Missouri State

Office of the Registrar

Undergraduate Catalog

This is the official catalog of all University course offerings, undergraduate programs, policies and requirements. Refer to the Graduate Catalog for graduate programs, policies and requirements.

Courses

Majors, Minors, Certificates and Degrees

Colleges and Academic Units

Academic Policies and Requirements

General University Information

First edition 2019-20 catalog

(effective Fall 2019)

Next publication

Second edition 2019-20 catalog

November 2019
(effective Spring 2020)

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Last Modified: September 10, 2019

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https://www.missouristate.edu/registrar/catalog/

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2019-20 Academic Calendar

Fall 2019

- **August 5** — Fall Intersession classes begin
- **August 16** — Fall Intersession classes end
- **August 19** — Classes begin
- **September 2** — Labor Day holiday (no classes)
- **October 8** — First Block classes end
- **October 9** — First Block final exams
- **October 10-11** — Fall Holiday (no classes)
- **October 14** — Second Block classes begin
- **November 26** — Thursday evening classes (4:00 pm or later) meet; Tuesday evening classes do not meet
- **November 27-December 1** — Thanksgiving Holiday (no classes)
- **December 5** — Last day of classes
- **December 6** — Study Day (no classes)
- **December 7-12** — Final exams period for full semester and second Block classes
- **December 13** — Commencement

Spring 2020

- **January 6** — Winter Intersession classes begin
- **January 10** — Winter Intersession classes end
- **January 13** — Classes begin
- **January 20** — Martin Luther King Jr. Holiday (no classes)
- **February 17** — Presidents' Day Holiday (no classes)
- **February 19** — Monday evening classes (4:00 pm or later) meet; Wednesday evening classes do not meet
- **March 5** — First block classes end
- **March 6** — First block final exams
- **March 9** — Second block classes begin
- **March 14-22** — Spring Break (no classes)
- **April 9-12** — Spring Holiday (no classes)
- **May 7** — Last day of classes
- **May 8** — Study Day (no classes)
- **May 9-14** — Final exams period for full semester and second bock classes
- **May 15** — Commencement

Summer 2020

- **May 18** — Summer Intersession classes begin
- **May 25** — Memorial Day Holiday (no classes)
- **June 5** — Summer Intersession classes end
- **June 8** — Classes begin
- **July 3** — Independence Day Observed (no classes)
- **July 29** — Last day of classes
- **July 30-31** — Final exam period

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Missouri State

Office of the Provost
Program Review

Accreditations

Missouri State University's regional accreditation is through the Higher Learning Commission. On a 10-year review cycle, Missouri State has been continuously accredited by the Higher Learning Commission since 1915. HLC accreditation is for the entire university not specific academic programs.



Review HLC accreditation data

Academic programs having an accreditation review process with similar goals as the MSU program review are given the opportunity to utilize the accreditation process as its periodic review. Reports from the accreditation evaluators are used in a manner similar to reports from an external evaluator for further deliberation by the department/program which then prepares a response. While program review is on a seven-year cycle, accreditation varies from 5–10 years. Programs may use the accreditation cycle with approval from the provost and respective deans.

In addition to the college, department and specific program, information concerning the accrediting or certifying body, year first accredited, dates of past and future site visits, and links to evaluation reports may be found. Notification of accreditation letters are also available to view.

Accreditations

Accrediting Body	College / Dept.	Program	Cycle	Start of Current Cert.	Cert. Expires	Comments
AACSB International	College of Business	All B.S. in Business; All Master programs	5 yr	SP 2018	FA 2023	View letter
ABET - Computing Accreditation Commission	Computer Science	Bachelor of Science Computer Science/Computer Science option	5 yr	FA 2015	FA 2019	View letter
Academy of Nutrition and Dietetics—Accreditation Council for Education in Nutrition and Dietetics (ACEND)	Biomedical Sciences	Dietetic Internship Certificate Program	7 yr	July 2016	FA 2023	View letter

Accrediting Body	College / Dept.	Program	Cycle	Start of Current Cert.	Cert. Expires	Comments
Accreditation Commission for Programs in Hospitality Administration	Hospitality Leadership	Bachelor of Science—Hospitality & Restaurant Administration	7 yr	SU 2018	SU 2025	View letter
Accreditation Review Commission on Education for the Physician Assistant, Inc.	Physician Assistant Studies	Master of Science in Physician Assistant Studies	7 yr	March 2012	SP 2019	
Accreditation Council for Occupational Therapy Education (ACOTE)	Occupational Therapy	Master of Occupational Therapy Program	7 yr	2017	2024	View letter Interim report due 2020. Onsite evaluation will be scheduled within the 2023/2024 academic year.
American Council for Construction Education	Technology & Construction Management	BS in Construction Management	6 yr	Feb 2017	SP 2023	View letter Next site visit in fall 2022
Academy of Nutrition and Dietetics—Accreditation Council for Education in Nutrition and Dietetics	Biomedical Sciences	Bachelor of Science in Dietetics	7 yr	April 2014	2022	View letter Site visit in fall 2021.
American Physical Therapy Association — Commission on Accreditation in Physical Therapy Education (CAPTE)	Physical Therapy	Doctor of Physical Therapy	10 yr	Oct 2018	Oct 2028	View letter
Commission on Accreditation of Athletic Training Education	Sports Medicine & Athletic Training	Entry-level Master's in Athletic Training (formerly B.S. in Athletic Training)	10 yr	SU 2018	SU 2028	View letter (Email dated June 13, 2018 from CAATE) Approval to move from B.S. to entry-level master's degree. Comprehensive review and on-site review will occur at normally scheduled time.
Commission on Collegiate Nursing Education	School of Nursing	All Bachelor and Master programs	10 yr	Nov 2009	FA 2019	View letter Progress report to CCNE in Dec. 2014.

Accrediting Body	College / Dept.	Program	Cycle	Start of Current Cert.	Cert. Expires	Comments
Commission on Collegiate Nursing Education	School of Nursing	Doctor of Nurse Practice	5 yr	Sept 2014	SU 2020	View letter Site visit will be fall of 2019. Website address - www.aacn.nche.edu/ccne-accreditation
Commission on English Language Program Accreditation	English Language Institute	English Language Institute	Initial 5yr, then 10 yr maximum	Aug 2015	FA 2025	
Council for Accreditation of Counseling and Related Educational Programs	Counseling, Leadership and Special Education	MS Clinical Mental Health Counseling MS School Counseling	6 yr	Spring 2017	Spring 2023	View letter
Council on Academic Accreditation in Audiology and Speech-Language Pathology	Communication Sciences & Disorders	CSD options in Speech-Language Pathology (MS)	8 yr	Nov 2017	Oct 2025	
Council on Academic Accreditation in Audiology and Speech-Language Pathology	Communication Sciences & Disorders	Doctor of Audiology	8 yr	Nov 2017	Oct 2025	
Council on Accreditation of Nurse Anesthesia Educational Programs	Biomedical Sciences	Doctorate of Nurse Anesthesia Practice, Entry Level Doctorate of Nurse Anesthesia Practice - Completion Master of Science in Nurse Anesthesia, Entry Level Master of Science in Nurse Anesthesia, Completion	10 yr	Nov 2016	Fall 2026	View letter
Council on Accreditation of Parks, Recreation, Tourism and Related Professions (COAPRT)	Kinesiology	Bachelor of Science Recreation, Sport, and Park Administration	7 yr	Oct 2015	FA 2022	View letter Prior to the fall 2022, the program will submit an updated self-study for review by Council.
Council on Education for Public Health	Master of Public Health Program	Master of Public Health	7 yr	June 2018	July 2025	View letter

Accrediting Body	College / Dept.	Program	Cycle	Start of Current Cert.	Cert. Expires	Comments
Council on Education of the Deaf	Communication Sciences & Disorders	MS Special Education: Deaf/Hearing Impaired	6 yr	July 2016	June 2022	View letter
Council on Social Work Education—Commission on Accreditation	Social Work	All Bachelor and Master programs	7 yr	Oct 2018	Oct 2025	View letter
Higher Learning Commission	University	Institutional accreditation	10 yr	SP 2016	SP 2026	View letter
International Facility Management Association—Committee on Academic Affairs	Technology & Construction Management	BS Facility Management	4 yr	July 2014	FA 2018	View letter
Missouri Department of Elementary & Secondary Education	College of Education			Feb. 2012		DESE requires a yearly reporting system by programs. 18 month certification period. Revision of MoSTEP will establish new approval process and timeline.
State Board of Nursing of Missouri (Approval only)	Nursing	Bachelor of Science in Nursing	5 yr	Sept. 2012	2017	View letter
National Association of Schools of Music—Commission on Accreditation	Music	Undergraduate and graduate	8 yr	SU 2016	SU 2024	View letter Received a commendation for a comprehensive and thoughtful response. Next visit is scheduled for the 2023-24 academic year.
National Association of Schools of Theatre—Commission on Accreditation	Theatre & Dance	Undergraduate	10 yr	April 2009	SP 2019	View letter
National Council for Accreditation of Teacher Education (new title - Council for the Accreditation of Educator Preparation)	College of Education	Teacher preparation programs, graduate and undergraduate	7 yr	Feb. 2012	FA 2018	

Accrediting Body	College / Dept.	Program	Cycle	Start of Current Cert.	Cert. Expires	Comments
Planning Accreditation Board	Geology, Geography, & Planning	Bachelor of Science in Planning (Comprehensive; Concentration in Community and Regional Planning or Concentration in Tourism Planning and Development)	5 yr	Dec 2013	FA 2018	View letter Next visit FA 2018.
Project Management Institute—Global Accreditation Center for Project Management Education Programs	Technology & Construction Management	Master of Science in Project Management	5 yr	August 2019	July 2024	View letter

Certifying body

Certifying Body	College / Dept.	Program	Cycle	Start of Current Cert.	Cert. Expires	Comments
American Chemical Society—Committee on Professional Training (certification)	Chemistry	BS in Chemistry Comprehensive	4 yr	July 2017	2022	
Association for Gerontology in Higher Education—Program of Merit Review Committee (Merit Evaluation only)	Psychology	Bachelor of Science in Gerontology	5 yr	July 2012	SP 2017	
Council of Applied Masters Programs in Psychology (Certification only)	Psychology	MS I/O Psychology	N/A	July 2004	Does not expire	

Programs by other universities

Accrediting/ Certifying Body	College/ Dept.	Number of Progms.	Program(s)	Cycle	Start of Current Cert.	Cert. Expires	Comments
ABET - Accreditation Board for Engineering Technology Missouri University of Science & Technology	The Missouri University of Science and Technology off-campus Electrical and Civil Engineering	2	BS in Electrical Engineering BS in Civil Engineering				
Accreditation Council for Pharmacy Education	University of Missouri-Kansas City	1	PharmD (Doctor of Pharmacy)	6 yrs currently	July 2010	June 30, 2016	The next comprehensive review for the UMKC PharmD program will

Accrediting/ Certifying Body	College/ Dept.	Number of	Program(s)	Cycle	Start of Current	Cert. Expires	Comments
							PharmD program will occur in 2015–2016.

Program Review Navigation

- Program Review Process
- Accreditations
- Higher Learning Commission
- Council for the Accreditation of Educator Preparation
- Educator Preparation Provider
- Statewide Review of Academic Programs

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Course Numbering System and Guide to Course Descriptions

Course numbering system (Fall 2009 to present)

Number	Definition
000-099	Background courses
100-199	Lower division courses designed primarily for freshmen
200-299	Lower division courses designed primarily for sophomores
300-399	Upper division courses designed primarily for juniors
400-599	Upper division courses designed primarily for seniors
600-799	Graduate courses designed primarily for master's level study
800-899	Upper-level graduate courses primarily for students in specialist or doctoral programs
900-999	Upper-level graduate courses primarily for students in doctoral programs

Course description

In addition to providing a brief description of the course content, it also includes:

- Pass/Not Pass grading options
- Repeat limitations
- Supplemental course fees
- Limitations on course applicability to degree requirements
- Parallel courses that have both an undergraduate and graduate version. Students enrolled in either version meet in the same room at the same time with the same instructor. The graduate level version of the course must require coursework appropriate for graduate credit. Parallel courses are referred to as "cross-listed" courses in the class schedule.
- Periodicity indicates the anticipated semester when the course may be offered.

Credit and contact hours

- *Credit hours* represent a unit of academic credit measured in semester hours. Some courses may be offered for a range of credit hours. Read more about credit and contact hours.
- *Lecture contact hours* represents the number of hours per week the class will meet in a lecture environment (based on a 15-week semester).
- *Lab contact hours* represents the number of hours per week the class will meet in a laboratory environment (based on a 15-week semester).
- *Clinical contact hours* represents the number of hours per week the course will meet in clinical experiences outside the classroom and

may not be indicated as lab hours. Normally clinical hours will require three or more hours per week per hour of credit. Some typical clinical courses are Nursing, Occupational Therapy, and Physical Therapy.

- Courses with no standard lecture or laboratory contact hours indicates class time is spent outside the normal classroom environment (i.e., field study, internships, practicums, research, service learning, supervised teaching, thesis, etc.)

Prerequisite and corequisite

- A prerequisite may consist of one or more background courses, a placement test score, admission to a specific program of study, or departmental permission. The student is responsible for having the appropriate prerequisites prior to the beginning of the class. If any academic department determines that a student does not have the appropriate prerequisite, registration for the class may be cancelled either prior to or after classes begin. Questions concerning the prerequisite should be directed to the academic department offering the class
- Some courses may require concurrent enrollment in another course during the same semester, referred to as a "corequisite" in the class schedule.
- Prerequisites and corequisites change over time and are not dependent on the student's catalog of graduation. The registration system will enforce prerequisites that are in effect for the semester of registration.

Variable content course

The *variable content course* statement indicates course is defined as one having in either its course title or its description any of the following terms: variable content, special topics, issues, problems, seminars, projects, independent study, or readings. Variable content courses include any courses that may be substantially different from one semester to another. Also included in this category are special problems, special projects, readings, and research conducted on a tutorial basis with individual students. Unless otherwise stipulated in the course description, a variable content course may be taken only once for credit.

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Faculty and Administrative Staff

- Faculty and Administrative Staff (as of September 25, 2019)
- Per Course Faculty (as of September 26, 2019)

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Missouri State University
Faculty and Administrative Staff
(as of September 25, 2019)

Last	First	Middle	Position/Title	Department/Office	Highest Degree	Awarding Institution
Abernathy	Amber	Rhea	Associate Professor	Psychology	PHD	Oklahoma State University
Adams	David	L	Associate Professor	Library	MA	University of Missouri-Columbia
Adams	Jodie	H	Practitioner-in-Residence	Kinesiology	BS	Missouri State University
Adams	Kathryn	Anne	Clinical Assistant Professor	Nursing, School of	MSN	University of Central Florida
Adamson	Reesha	M	Associate Professor	Counseling, Leadership and Special Education	PHD	University of Missouri-Columbia
Agnew	William	J	Associate Professor	Counseling, Leadership and Special Education	PHD	University of Missouri-St Louis
Agrawal	Deepti		Assistant Professor	Information Technology and Cybersecurity	PHD	University of Memphis
Ahmed	Haydory	Akbar	Assistant Professor	Economics		
Aho	Kyle	J	Instructor	Music	MM	New England Conservatory of Music
Ajuwon	Paul	M	Professor	Counseling, Leadership and Special Education	PHD	University of Calgary
Arbar Akhgari	Paria		Assistant Professor	Philosophy	PHD	University of Oregon
Albaugh	Rickey	D	Clinical Assistant Professor	Anesthesia, School of	BS	Missouri State University
Albers	Joshua	R	Assistant Professor	Art and Design	MFA	University of Illinois at Chicago
Albritton	Michael	A	Instructor	Management	MA	Missouri State University
Allen	Jimmie	R	Associate Professor	Art and Design	MFA	University of Texas at San Antonio
Allen	Natalie	B	Clinical Assistant Professor	Biomedical Sciences	MSED	University of Missouri-St Louis
Allen	Rebecca	L	Instructor	Biomedical Sciences	BS	Missouri State University
Alsup-Egbers	Clydette	M	Associate Professor	Environmental Plant Science and Natural Resources	PHD	Oklahoma State University
Amberg III	Richard	H	Associate Professor	Media, Journalism & Film	MFA	University of Southern California
Amidon	Ethan		Assistant Professor	Criminology and Criminal Justice	PHD	University of Missouri-St Louis
Ammons	Jacynda	L	Instructor	History	PHD	Texas Tech University
Anderson	Angela	L	Professor	Counseling, Leadership and Special Education	PHD	Oklahoma State University
Anderson	Jacob	D	Instructor	Greenwood Laboratory School	MA	Lindenwood University
Anderson	Rachel	M	Director of Business Incubator	Research and Economic Development	BGS	University of Missouri-Columbia
Anderson	Wayne	L	Professor	Finance and General Business	JD	California Western School of Law
Anitsal	Ismet		Department Head (Professor)	Marketing	PHD	University of Tennessee-Knoxville
Applegate	Andrea	D	Assistant Professor	Physicians Assistant Studies	MS	Missouri State University
Arendell	Telory	Davies	Associate Professor	Theatre and Dance	PHD	Stanford University
Argyle	Deidre		Assistant Professor	Art and Design	MFA	University of Arizona
Armstrong	Joan	E	Director of Project Access	Provost Office	MS	Missouri State University
Arora	Sonia	Bala	Visiting Assistant Professor	Communication Sciences and Disorders	BGS	University of Kansas
Arthaud	Tamara	J	Professor	Counseling, Leadership and Special Education	PHD	University of Nebraska-Lincoln
Artman	Amy		Instructor	Religious Studies	PHD	University of Chicago
Asay	Nancy	L	Senior Instructor	Technology and Construction Management	MSED	Drury University
Ashcroft	Paul	A	Associate Professor	Accountancy, School of	PHD	Texas A&M University
Atkinson	Jamie	Craig	Assistant Professor	Reading, Foundations and Technology	PHD	University of Georgia
Atwell	Jan	M	Clinical Assistant Professor	Nursing, School of	MSN	Missouri State University
Ault-Phillips	Jana	M	Instructor	Finance and General Business	JD	Washington University
Aurentz	Cynthia	L	Assistant Professor	Anesthesia, School of	BSN	Mercy College Nursing Health Sciences
Austin	Rebekah	E	Instructor	Information Technology and Cybersecurity	MS	Missouri State University
Backes	Heidi	A	Assistant Professor	Modern and Classical Languages	PHD	University of Wisconsin-Madison
Baggett	Holly	A	Professor	History	PHD	University of Delaware

Missouri State University
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Bailey	Sandra	L	Assistant Professor	Merchandising and Fashion Design	MS	Baker University
Bajalan	Djene	Rhys	Assistant Professor	History	PHD	University of Oxford
Baker	Andrew	Minor	Assistant Professor	Childhood Education and Family Studies	MED	Texas State University-San Mar
Baker	Anna	Marie	Assistant Professor	Library	MLS	University of Maryland-College Park
Baker	James	P	Vice President for Research and Economic Development	Research and Economic Development	PHD	University of Idaho
Baker	Rebecca	A	Senior Instructor	Physics, Astronomy and Materials Science	MSED	Missouri State University
Baker	Sarah	Jean	Assistant Professor	Childhood Education and Family Studies	PHD	Texas State University-San Marcos
Bakker	Klaas		Professor	Communication Sciences and Disorders	PHD	Southern Illinois University-Carbondale
Barber	Marlin	C	Senior Instructor	History	PHD	University of Missouri-Columbia
Barber	Sarah	R	Clinical Associate Professor	Communication Sciences and Disorders	AUD	Salus University
Barffour	Antoinette	A	Assistant Professor	Modern and Classical Languages	PHD	University of Alabama
Barffour	Maxwell	Adusei	Visiting Assistant Professor	Public Health Program	MPH	Missouri State University
Barnes	Ruth	E	Professor	Theatre and Dance	MFA	University of California-River Side
Barnett	Joann	E	Instructor	Mathematics	MSED	Missouri State University
Barnhart	Miles	C	Distinguished Professor	Biology	PHD	University of California-Los Angeles
Barnhouse	Tamra	L	Instructor	Greenwood Laboratory School	MSED	Missouri State University
Barreda	Albert	A	Associate Professor	Hospitality Leadership	PHD	University of Central Florida
Barrier	Tonya	B	Professor	Information Technology and Cybersecurity	PHD	University of Texas at Arlington
Bass	Samuel	J	Instructor	Accountancy, School of	MACC	Missouri State University
Bassett	Damon	J	Senior Instructor	Geography, Geology and Planning	MS	University of Missouri-Columbia
Basu Roy	Subhasree		Assistant Professor	Economics	PHD	Georgia State University
Bauman	R	Isabelle	Interim Department Head (Associate Professor)	Communication	PHD	University of Wisconsin-Madison
Baumann	Denise	M	Associate Director of Residence Life Housing and Dining Services	Residence Life Housing and Dining Services	EDD	University of Missouri-Columbia
Baumlin	James	S	Distinguished Professor	English	PHD	Brown University
Baynes	Leslie	A	Associate Professor	Religious Studies	PHD	University of Notre Dame
Beatty	Nick	L	Instructor	Political Science	MA	University of Missouri-Columbia
Beckham	Tracy	L	Assistant Professor	Anesthesia, School of	MS	University of Kansas
Belisle	Jordan		Assistant Professor	Psychology	PHD	Southern Illinois University-Carbondale
Bell	Angela	B	Visiting Assistant Professor	English	PhD	University of North Dakota
Belshoff	Richard	G	Professor	Mathematics	PHD	University of Kentucky
Benedict-Chambers	Amanda	Mary	Associate Professor	Childhood Education and Family Studies	PHD	University of Michigan-Ann Arbor
Bennett	Jessica	L	Assistant Professor	Library	MA	University of Missouri-Columbia
Benson	Tara	E	Associate Director of PSU and Director of Student Engagement	PSU-Student Engagement	MS	University of Central Missouri
Benzer	Fatih		Assistant Professor	Art and Design	EDD	Arizona State University
Berkwitz	Stephen	C	Department Head (Professor)	Religious Studies	PHD	University of Calif-Santa Barbara
Berquist	Charlene	A	Professor	Communication	PHD	University of Minnesota-Twin City
Berry	Melissa	D	Director of Institutional Equity and Compliance	Institutional Equity and Compliance	MS	Missouri State University
Besara	Rachel	M	Associate Dean (Associate Professor)	Library	MS	Florida State University
Besara	Tiglet		Assistant Professor	Physics, Astronomy and Materials Science	PHD	Florida State University

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Bhattacharyya	Gautam		Assistant Professor	Chemistry	PHD	Purdue University
Biagioni	Richard	N	Professor	Chemistry	PHD	University of California-Berkeley
Bigley	Louise	L	Assistant Professor	Nursing, School of	PHD	William Carey University
Bishop	Rhonda	L	Clinical Instructor	Childhood Education and Family Studies	EDD	University of Missouri-Columbia
Blackmon	W	D	Professor	English	PHD	University of Denver
Blansit	Amy	C	Instructor	Kinesiology	MA	Adelphi University
Blanton	Patti	Ann	Senior Instructor	Mathematics	MSED	Missouri State University
Bledsoe	Melissa	Ann	Associate Professor	Environmental Plant Science and Natural Resources	PHD	University of Missouri-Columbia
Blevins	Brooks	R	Professor	History	PHD	Auburn University
Bobbitt-Boyce	Edith		Clinical Associate Professor	Communication Sciences and Disorders	AUD	Salus University
Boehne	Tara	L	Clinical Assistant Professor	Occupational Therapy	MS	Southwest Baptist University
Bolyard	Chloe		Assistant Professor	Childhood Education and Family Studies	PHD	Miami University
Bonebrake	Tara		Instructor	Greenwood Laboratory School	EDD	University of Missouri-Columbia
Borneman	Dea	A	Professor	Library	MA	University of Missouri-Columbia
Bosch	Eric		Distinguished Professor	Chemistry	PHD	Weizmann Institute of Science
Bourhis	John	Stanley	Professor	Communication	PHD	University of Minnesota-Twin City
Bowe	Laura	M	Senior Instructor	Biology	PHD	Vanderbilt University
Boyd	Carmen		Assistant Professor	Biomedical Sciences	MS	Missouri State University
Boyer	William	F	Instructor	Animal Science	MNAS	Missouri State University
Boyle	Megan		Assistant Professor	Counseling, Leadership and Special Education	PHD	Utah State University
Boyle	Michael	P	Senior Instructor	Philosophy	MA	Missouri State University
Brahnam	S	Berlin	Professor	Information Technology and Cybersecurity	PHD	Baruch College
Brattin	Ricky	L	Assistant Professor	Information Technology and Cybersecurity	PHD	University of Arkansas
Bray	William	O	Department Head (Professor)	Mathematics	PHD	Missouri University of Science and Technology
Brazeal	LeAnn	M	Associate Professor	Communication	PHD	University of Missouri-Columbia
Brescia	Lisa	M	Assistant Professor	Theatre and Dance	MFA	George Washington University, The
Breyfogle	Bryan	E	Department Head (Professor)	Chemistry	PHD	Missouri University of Science and Technology
Brinson	Sabrina	A	Professor	Childhood Education and Family Studies	PHD	University of South Florida
Broaddus	Marilyn	A	Instructor	Greenwood Laboratory School	MSED	Drury University
Brock	Russell	E	Clinical Assistant Professor	Agency for Teaching, Leading and Learning	EDD	Saint Louis University
Brodeur	Amanda	C	Associate Professor	Biomedical Sciences	MD	University of Missouri-Columbia
Brooks	James	Patrick	Assistant Professor	Biomedical Sciences	MD	University of Michigan-Ann Arbor
Brown	Kenneth	H	Department Head (Professor)	Economics	PHD	University of Illinois at Urbana-Champaign
Brown	Michele	A	Assistant Professor	Social Work, School of	MSW	Missouri State University
Brown	Orville	Gilbert	Professor	Counseling, Leadership and Special Education	EDD	Indiana University Bloomington
Brown	Robert	Samuel	Instructor	Mathematics	MS	Missouri State University
Brummel	Sara	J	Associate Professor	Theatre and Dance	MFA	University of Arizona
Bunn	Roger		Instructor	Mathematics	PHD	Missouri University of Science and Technology
Burch	Abby	R	Instructor	Greenwood Laboratory School	MSED	Missouri State University
Burge	Sara	J	Senior Instructor	English	MFA	Southern Illinois University-Carbondale

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Faculty and Administrative Staff
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Burt	Zachary	J	Instructor	Kinesiology	MS	Missouri State University
Burton	Michael	G	Professor	Environmental Plant Science and Natural Resources	PHD	University of Nebraska-Lincoln
Burton	Richard	L	Instructor	Information Technology and Cybersecurity	MBA	Duke University
Busdieker-Jesse	Nichole	L	Assistant Professor	Agribusiness, Agriculture Education and Communications	MS	University of Illinois at Urbana-Champaign
Bushman	Barbara	A	Professor	Kinesiology	PHD	University of Toledo
Butcher	Deana	R	Instructor	Communication	MA	Missouri State University
Buyurgan	Nebil		Professor	Technology and Construction Management	PHD	Missouri University of Science and Technology
Cadle	Lanette	L	Professor	English	PHD	Bowling Green State University
Cafagna	Marcus	S	Professor	English	MFA	Norwich University
Cahoj	Patricia	A	Assistant Professor	Physical Therapy	PHD	Creighton University
Calihman	Matthew	S	Professor	English	PHD	Washington University
Callahan	Richard	N	Department Head (Professor)	Technology and Construction Management	PHD	Missouri University of Science and Technology
Cameron	James	S	Associate Professor	Music	DMA	University of Oklahoma
Canales	Roberto		Associate Dean (Professor)	Health and Human Services, McQueary College of	DHS	Nova Southeastern University
Capps	Steven	C	Director of Learning Diagnostic Center (Assistant Professor)	Learning Diagnostic Clinic	PHD	Ball State University
Carden-Jessen	Melanie	E	Instructor	Geography, Geology and Planning	MS	Missouri State University
Cardin	Ashlea	D	Assistant Professor	Occupational Therapy	OTD	St Catherine University St Paul
Carr	Sylvia		Instructor	Mathematics	MSED	Missouri State University
Carr	W	David	Associate Professor	Sports Medicine and Athletic Training	PHD	University of Southern Mississippi
Carson	Gay	D	Clinical Instructor	Nursing, School of	BS	College of the Ozarks
Carter	Shelley	Lynn	Clinical Assistant Professor	Nursing, School of	DNP	Missouri State University
Carver	Christopher		Assistant Professor	Counseling, Leadership and Special Education	PHD	University of Arkansas
Casey	Lisa	R	Professor	Music	DMA	University of Missouri-Kansas City
Cathey	Christie	L	Associate Professor	Psychology	PHD	University of Connecticut
Cemore Brigden	Joanna	J	Associate Professor	Childhood Education and Family Studies	PHD	Iowa State University
Cerdas Cisneros	Maria		Assistant Professor	Modern and Classical Languages	PHD	Texas Tech University
Chakraborty	Sapna		Department Head (Assistant Professor)	Occupational Therapy	OTD	Creighton University
Chang	Chih-Cheng	Edward	Professor	Finance and General Business	PHD	University of Illinois at Urbana-Champaign
Chang	Ching-Wen		Professor	Reading, Foundations and Technology	PHD	Indiana State University
Chapman	Carol	L	Associate Professor	Music	DMA	University of Missouri-Kansas City
Chaston	Joel	D	Distinguished Professor	English	PHD	University of Utah
Chen	Qiang		Assistant Professor	Social Work, School of	PHD	University at Albany/Suny
Chenoweth	Amelia	M	Instructor	Counseling, Leadership and Special Education	MS	Missouri State University
Chesman	Jeremy	A	Professor	Music	DMA	University of Missouri-Kansas City
Choi	Jung		Assistant Professor	Music	MM	Eastman School of Music
Choi	Minju		Assistant Professor	Music	DMA	Stony Brook University/Suny
Chorn	Gary	D	Assistant Director for Facilities Management, Maintenance	Facilities Management		

Missouri State University
Faculty and Administrative Staff
(as of September 25, 2019)

Christian	Donna	K	Director of Internal Audit and Risk Management	Internal Audit and Compliance	BS	Missouri State University
Christian	McCall	E	Visiting Instructor	Sports Medicine and Athletic Training	DAT	Indiana State University
Chuchiak	John	F	Professor	History	PHD	Tulane University
Claborn	David	M	Associate Professor	Public Health Program	DRPH	Uniformed Services University of the Health Sciences
Clark	Anthony		Assistant Professor	Computer Science	PHD	Michigan State University
Clark	John	B	Assistant Director for Facilities Management	Facilities Management	BS	Missouri State University
Clark	Ronald	A	Associate Professor	Marketing	PHD	Florida State University
Clayton	Michael		Assistant Professor	Psychology	PHD	University of Nevada-Reno
Cline	Andrew	R	Professor	Media, Journalism & Film	PHD	University of Missouri-Kansas City
Closser	Cole	B	Assistant Professor	Art and Design	MFA	Center for Cartoon Studies
Cobos	Liza	M	Assistant Professor	Hospitality Leadership	PHD	University of Central Florida
Cohen Ioannides	Mara	W	Senior Instructor	English	MA	Carnegie Mellon University
Coiner	Jeffery	S	Chief Information officer	Information Services		
Coleman	Joshua		Assistant Professor	Marketing	PHD	University of Memphis
Collins	Christopher		Assistant Professor	Communication	PHD	Southern Illinois University-Carbondale
Coltharp	Allison	R	Senior Instructor	Communication	MA	Missouri State University
Coltharp	Joel	W	Instructor	English	MA	Missouri State University
Combs	Julia	C	Department Head (Professor)	Music	DMA	University of North Texas
Conner	Karla	D	Clinical Assistant Professor	Nursing, School of	MSN	Kaplan University
Connor	George	E	Department Head (Professor)	Political Science	PHD	University of Houston
Cook	Jeanne	L	Department Head (Associate Professor)	Physical Therapy	PHD	University of Nebraska-Lincoln
Cook	Kimberly	D	Clinical Assistant Professor	Physician Assistant Studies	MS	Missouri State University
Cook	Sherry	James	Senior Instructor	Marketing	MBA	Missouri State University
Coombs	James		Associate Professor	Library	MLS	Ball State University
Corcoran	Deborah	B	Senior Instructor	Geography, Geology and Planning	MA	Michigan State University
Cornelison	David	M	Professor	Physics, Astronomy and Materials Science	PHD	Arizona State University
Cornelius-White	Jeffrey	H	Professor	Counseling, Leadership and Special Education	PHD	Argosy University/Twin Cities
Correll	Pamela		Assistant Professor	Reading, Foundations and Technology	EDD	University of Kentucky
Cox	Nora	F	Senior Instructor	Communication	MA	Missouri State University
Crafts	Daniel	D	Associate Professor	Hospitality Leadership	EDD	Oklahoma State University
Craig	Christopher	J	Deputy Provost (Professor)	Provost Office	EDD	Vanderbilt University
Crain	Susan	J	Professor	Finance and General Business	PHD	University of Oklahoma
Cron	Deborah	A	Clinical Professor	Communication Sciences and Disorders	MSED	University of Georgia
Crowder	Rebecca	J	Instructor	Greenwood Laboratory School	MSED	Missouri State University
Culver	Sandra	E	Director of Business Advisement Center	Business, College of	MBA	Missouri State University
Cunningham	Denise	D	Department Head (Professor)	Childhood Education and Family Studies	PHD	University of Missouri-St Louis
Curry	Matthew	T	Director of CASE	Jordan Valley Innovation Center	MS	Missouri State University
Curry	Natalie	A	Clinical Assistant Professor	Social Work, School of	MSW	Washington University
Curtis	Scott	M	Instructor	Chemistry	BS	Missouri State University
Czyzniejewski	Michael	G	Associate Professor	English	MFA	Bowling Green State University
Daehn	Ann Marie		Associate Professor	Music	DMA	Eastman School of Music
Dalton	Tracy	L	Senior Instructor	English	MA	Truman State University

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Daoust	Mario		Assistant Professor	Geography, Geology and Planning	PHD	McGill University
Darabi	Rachelle	L	Associate Provost for Student Development and Public Affairs (Professor)	Student Development and Public Affairs	PHD	Ball State University
Daugherty	Timothy	K	Professor	Psychology	PHD	University of Miami
Davis	Joshua	M	Department Head (Professor)	Information Technology and Cybersecurity	PHD	University of South Carolina-Columbia
Davis	Kathy	J	Director of Advisement Center	Advisement Center	MS	Missouri State University
Davis	Tammi	R	Assistant Professor	Childhood Education and Family Studies	PHD	Indiana University Bloomington
Day	Michele	L	Director (Professor)	Social Work, School of	PHD	University of Missouri-Columbia
Deal	William	Paul	Department Head (Associate Professor)	Psychology	PHD	University of Mississippi
Debode	Jason	D	Interim Department Head (Assistant Professor)	Management	PHD	Auburn University
Del Vecchio	Ronald	P	Dean (Professor)	Agriculture, William H. Darr College of	PHD	Texas A&M University
DePaepe	Paris	A	Professor	Counseling, Leadership and Special Education	PHD	University of Minnesota-Twin City
DeVore	Natasha	Mary	Assistant Professor	Chemistry	PHD	University of Kansas
Dicke	Crystal	D	Associate Professor	Library	MLS	University of Missouri-Columbia
Dicke	Thomas	S	Professor	History	PHD	Ohio State University, The
Dieterich	Alyssa	A	Clinical Assistant Professor	Nursing, School of	MSN	Walden University
Dillon	Randy	K	Professor	Communication	PHD	University of Florida
Dimond	Jack	E	Senior Instructor	Media, Journalism & Film	MA	Pittsburg State University
Do	Ngoc	T	Assistant Professor	Mathematics	PHD	Texas A&M University-Main Camp
Dockery	Rachael	M	General Counsel and Chief Compliance Officer	Legal Affairs and Compliance	JD	University of Arkansas
Dodge	Steven	T	Department Head (Clinical Associate Professor)	Physician Assistant Studies	MD	Southern Illinois University-Carbondale
Dogwiler	Toby	J	Department Head (Professor)	Geography, Geology and Planning	PHD	University of Missouri-Columbia
Dollar	Susan	C	Professor	Social Work, School of	PHD	Tulane University
Downing	John	H	Associate Professor	Kinesiology	PHD	University of Oregon
Dudash-Buskirk	Elizabeth	A	Associate Professor	Communication	MA	Miami University
Duitsman	Dalen	M	Director of Ozarks Public Health Institute (Professor)	Public Health Program	PHD	Indiana University Bloomington
Duncan	Janice	R	Director (Associate Professor)	Greenwood Laboratory School	PHD	University of Missouri-Columbia
Dunlop	Vicki	L	Assistant Professor	Greenwood Laboratory School	MSED	Missouri State University
Dunn	William	Brent	Vice President for University Advancement	University Advancement	MA	Missouri State University
Durham	Paul	L	Distinguished Professor	Biology	PHD	University of Iowa
Dyer	Samuel	Coad	Associate Professor	Communication	PHD	University of Tennessee-Knoxville
Echols	Leslie		Assistant Professor	Psychology	PHD	University of California-Los Angeles
Ehlers	Abigale	S	Senior Instructor	Hospitality Leadership	MSED	Drury University
Einhellig	Frank	A	Provost and Chancellor of Mountain Grove Campus	Provost Office	PHD	University of Oklahoma
Ekstam	Keith	A	Professor	Art and Design	MFA	University of Michigan-Ann Arbor
Ellickson	Mark	C	Professor	Political Science	PHD	Southern Illinois University-Carbondale
Elliott	Jessica	M	Assistant Professor	History	PHD	University of Calif-Santa Barbara
Engler	Karen		Clinical Professor	Communication Sciences and Disorders	EDD	University of Missouri-Columbia
English	Catherine		Associate Professor	English	PHD	University of Nebraska-Lincoln

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Entlicher-Stewart	Ronda	Suzanne	Clinical Assistant Professor	Nursing, School of	DNP	Missouri State University
Ernce	Keith	D	Professor	Kinesiology	EDD	University of New Mexico
Evans	Kevin	R	Professor	Geography, Geology and Planning	PHD	University of Kansas
Evans	Krista	M	Assistant Professor	Geography, Geology and Planning	PHD	Clemson University
Fallone	Melissa	D	Associate Professor	Psychology	PHD	University of Memphis
Fan	Lori		Executive Director of Alumni Relations	Alumni Relations	BS	Bradley University
Fearing	Cory	A	Instructor	Greenwood Laboratory School	MSED	Drury University
Feeney	Sylvia	Monika	Department Head (Assistant Professor)	Anesthesia, School of	DNAP	Virginia Commonwealth University
Fent	Nathan		Instructor	Agribusiness, Agriculture Education and Communications	MAT	Missouri State University
Ferguson	Wendy	M	Executive Director of Development	Development Office	BA	Lyon College
Few	Tamaria		Director of Human Resources	Human Resources	MBA	Benedictine University
Finch	Kim	K	Associate Professor	Counseling, Leadership and Special Education	EDD	University of Missouri-Columbia
Finn	Debra	S	Assistant Professor	Biology	PHD	Colorado State University
Fischer	Donald	L	Professor	Psychology	PHD	Ohio State University, The
Fitzgerald	Ivy	J	Instructor	Biomedical Sciences	PHD	University of Chicago
Flanders	Janelle	A	Instructor	Greenwood Laboratory School	MSED	Missouri State University
Flannery	Timothy	J	Assistant Professor	Economics	PHD	University of Arizona
Follensbee	Billie	J	Professor	Art and Design	PHD	University of Maryland College
Foreman	Elizabeth		Associate Professor	Philosophy	PHD	University of North Carolina At Chappel Hill
Foster	Jeffrey	L	Assistant Professor	Psychology	PHD	University of Missouri-St Louis
Foster	Lyle	Q	Assistant Professor	Sociology and Anthropology	MA	Yale University
Foster	Micheal	S	Professor	Theatre and Dance	MFA	Ohio University
Foucart	Stephen	C	Chief Financial officer	Financial Services	MBA	University of Houston-Clear Lake
Fraczak	Jacek	M	Associate Professor	Art and Design	MFA	Academy of Fine Arts Warsaw
Franklin	Keri	R	Director of Assessment	Assessment	PHD	University of Missouri-Columbia
Franklin	Thomas	C	Associate Professor	Communication Sciences and Disorders	PHD	Florida State University
Frederick	Dana	J	Instructor	Management	MBA	Emporia State University
Frederick	Teresa	L A	Associate Director of Residence Life-Facilities	Residence Life Housing and Dining Services	MS	Missouri State University
Friske	Wesley		Assistant Professor	Marketing	PHD	Texas Tech University
Frodermann	Evan		Assistant Professor	Physics, Astronomy and Materials Science	PHD	Ohio State University, The
Funderburk	Stacey	L	Director of Editorial and Design Services	Editorial and Design Services	BA	Missouri Southern State University
Gallaway	Julie	H	Senior Instructor	Economics	PHD	Colorado State University
Gallaway	Terrel	A	Professor	Economics	PHD	Colorado State University
Galloway	James	R	Assistant Professor	Kinesiology	PHD	University of Mississippi
Garg	Vinay	K	Associate Professor	Management	PHD	University of Texas at Arlington
Garland	Brett	E	Department Head (Professor)	Criminology and Criminal Justice	PHD	University of Nebraska-Omaha
Garland	Diana	K	Director of Learning Commons	Bear Claw	EDD	University of Missouri-Columbia
Garrad	Richard	C	Professor	Biomedical Sciences	PHD	Miami University
Garrison	Traci	A	Clinical Assistant Professor	Occupational Therapy	MOT	Washington University
Garrison-Kane	Linda		Professor	Counseling, Leadership and Special Education	PHD	University of Kansas
Garten	Daniel	A	Instructor	Kinesiology	MS	University of Central Arkansas
Gartin	Patrick	R	Associate Professor	Criminology and Criminal Justice	PHD	University of Maryland College
Gattis	Lyn	F	Associate Professor	English	PHD	Oklahoma State University

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Gdovin	Jacob	R	Assistant Professor	Kinesiology	PHD	University of Mississippi
Gebken	Richard	J	Associate Professor	Technology and Construction Management	PHD	University of Texas at Austin
Gerasimchuk	Nikolay	N	Professor	Chemistry	PHD	University of Kansas
Gerasimchuk-Djordjevic	Maria	N	Assistant Professor	Art and Design	MFA	Missouri State University
Gholson	Martha	R	Associate Professor	English	PHD	Memorial University of Newfoundland
Ghosh	Kartik	C	Distinguished Professor	Physics, Astronomy and Materials Science	PHD	University of Mumbai
Gibson	Hugh	M	Associate Professor	Kinesiology	EDD	Oklahoma State University
Gibson	Kathryn	M	Assistant Professor	Greenwood Laboratory School	MS	University of New Hampshire
Gillam	Kenneth	M	Associate Professor	English	PHD	Illinois State University
Gilmore	Kristy	L	Instructor	Greenwood Laboratory School	MS	Missouri State University
Given	Mark	Douglas	Associate Professor	Religious Studies	PHD	University of North Carolina At Chappel Hill
Gnau	Jaime	B	Clinical Instructor	Biomedical Sciences	BS	Missouri State University
Goddard	Stacy	E	Assistant Professor	Kinesiology	MS	Missouri State University
Goering	Daniel	D	Assistant Professor	Management	PHD	University of Iowa
Goeringer	Michael	E	Clinical Assistant Professor	Counseling, Leadership and Special Education	MSED	Missouri State University
Goerndt	Michael		Assistant Professor	Environmental Plant Science and Natural Resources	PHD	Oregon State University
Goodwin	Andrew	M	Artist-in-Residence	Art and Design	BFA	Missouri State University
Goodwin	David	R	Associate Professor	Reading, Foundations and Technology	PHD	University of Illinois at Urbana-Champaign
Gordon	Nancy	A	Director of Faculty Center for Teaching and Learning	Faculty Center for Teaching and Learning	MSED	University of Missouri-Columbia
Gorley	Nicole	A	Instructor	Biomedical Sciences	BS	Missouri State University
Goss	Benjamin	D	Assistant Professor	Management	EDD	University of Southern Mississippi
Gouzie	Douglas	R	Professor	Geography, Geology and Planning	PHD	University of Kentucky
Grace-Duran	Jennifer		Instructor	Greenwood Laboratory School	MA	Webster University
Gram	John	R	Instructor	History	PHD	Southern Methodist University
Gray	Stacy	M	Visiting Instructor	Greenwood Laboratory School	BSED	Pittsburg State University
Greene	Brian	D	Associate Professor	Biology	PHD	Texas A&M University
Grigsby	Jamie		Assistant Professor	Marketing	PHD	Kent State University
Guo	Kanghui		Professor	Mathematics	PHD	McGill University
Guo	Xiang		Assistant Professor	Information Technology and Cybersecurity	PHD	University of Mississippi
Gutierrez	Melida		Professor	Geography, Geology and Planning	PHD	University of Texas at El Paso
Gutzke	David	W	Distinguished Professor	History	PHD	University of Toronto
Hackney	James	M	Associate Professor	Physical Therapy	PHD	University of Minnesota-Duluth
Hadley	Heidi		Assistant Professor	English	PHD	University of Georgia
Haggard	Dana	L	Professor	Management	PHD	University of Missouri-Columbia
Haggard	Kelly	Stephen	Professor	Finance and General Business	PHD	University of Missouri-Columbia
Hall	David	A	Director of University Safety	University Safety	MBA	Missouri State University
Hall	Lisa	C	Associate Professor	Psychology	PHD	University of Kansas
Hallgren	Deanna	M	Director of Child Development Center	Child Development Center	MS	Missouri State University
Hamm	Randall	P	Professor	Music	MM	University of North Texas
Hammerschmidt	Melinda	M	Instructor	Greenwood Laboratory School	MSED	Drury University
Hammond	Michael	R	Senior Instructor	Accountancy, School of	MACC	Missouri State University

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Hammons	David	D	Instructor	Marketing	MBA	Missouri State University
Hamwi	Georg	Alex	Associate Professor	Marketing	PHD	Georgia State University
Harbaugh	Adam		Associate Professor	Mathematics	PHD	Texas A&M University
Harms	John	B	Professor	Sociology and Anthropology	PHD	University of Kansas
Harris	Hannah	J	Instructor	Psychology	PHD	Forest Institute
Harsen	Mark	F	Director of Networking and Telecommunications	Networking and Telecommunications	BS	Missouri State University
Hart	Algerian		Associate Dean (Professor)	Graduate College	PHD	Washington State University
Hart	Laura	B	Assistant Professor	Sociology and Anthropology	MA	Humboldt State University
Harvey	Michelle	Diane	Assistant Professor	Theatre and Dance	MFA	University of Arizona
Harwood	William	H	Assistant Professor	Philosophy	PhD	Penn State-University Park
Hass	Aida	Y	Professor	Criminology and Criminal Justice	PHD	George Washington University, The
Hatz	Kirsten	A	Senior Instructor	Kinesiology	MSED	Drury University
Hausback	Jason	M	Associate Professor	Music	DMA	University of North Texas
Hauschildt	Shannon	M	Assistant Professor	Physician Assistant Studies	MS	Missouri State University
Havlin	Tiffany	Sue	Clinical Assistant Professor	Social Work, School of	PHD	Capella University
Hays	David	R	Professor	Music	DM	Northwestern University
Hein	Stephanie	G	Department Head (Associate Professor)	Hospitality Leadership	EDD	University of Missouri-Columbia
Heinlein	Kurt	Gerard	Professor	Theatre and Dance	MFA	St Mary's College of Maryland
Heinz	Jessica	Joan	Director of Web Strategy and Development	Web Strategy and Development		
Heitger	Lester	E	Professor	Accountancy, School of	PHD	Michigan State University
Hellman	Andrea	B	Associate Professor	English	EDD	Boston University
Hellman	Daniel	S	Professor	Music	PHD	University of Southern Mississippi
Henary	Sara		Assistant Professor	Political Science	PHD	University of Virginia-Main Campus
Hermans	Charles	M	Professor	Marketing	PHD	New Mexico State University
Herr	Christopher	J	Professor	Theatre and Dance	PHD	University of Toronto
Herring	Sean	C	Practitioner-in-Residence	English	EDD	University of Phoenix
Herring	Tara	K	Instructor	Biology	PHD	Saint Louis University
Hetzler	Tona	M	Department Head (Associate Professor)	Sports Medicine and Athletic Training	EDD	Oklahoma State University
Heyboer	Jill	L	Professor	Music	DMA	Michigan State University
Hickey	Dennis	V	Distinguished Professor	Political Science	PHD	University of Texas at Austin
High	Brian	D	Senior Instructor	Chemistry	MS	Missouri State University
Hiller	Jokima	L	Assistant Professor	Hospitality Leadership	MBA	DeVry University Centers
Himes	Marcia	K	Assistant Professor	Physical Therapy	DPT	Missouri State University
Hines	Christopher	S	Associate Professor	Accountancy, School of	PHD	University of Arkansas
Hines	James	N	Instructor	Accountancy, School of	MACC	Missouri State University
Hobbs	Lora	J	Senior Instructor	Religious Studies	MSED	University of Missouri-Columbia
Hoegeman	Catherine	H	Associate Professor	Sociology and Anthropology	PHD	University of Arizona
Hoelscher	Carrisa		Assistant Professor	Communication	PHD	University of Oklahoma
Hoelscher	Seth		Assistant Professor	Finance and General Business	PHD	University of Oklahoma
Hogans	Azaria	Rianne	Artist-In-Residence	Theatre and Dance		
Holladay	Holly	W	Assistant Professor	Media, Journalism & Film	PHD	University of Missouri-Columbia
Holmer	Earl	G	Senior Instructor	English	MA	Missouri State University
Homburg	Andrew	H	Associate Professor	Music	PHD	University of Missouri-Kansas City
Hong	Hye-Jung		Associate Professor	Music	DMA	Johns Hopkins University, The
Hopkins	Jennifer	B	Instructor	Greenwood Laboratory School	MS	Missouri State University

Missouri State University
Faculty and Administrative Staff
(as of September 25, 2019)

Hopper	Tina-Maria		Instructor	Biology	MS	Missouri State University
Horine	Debbie	L	Assistant Professor	Nursing, School of	MSN	University of Kansas
Hornberger	Robert	S	Associate Vice President for Enrollment Management and Services	Student Affairs	EDD	University of Missouri-Columbia
Hornsby-Gutting	Angela	M	Associate Professor	History	PHD	University of North Carolina At Chappel Hill
Horton III	Leonard	B	Senior Instructor	Media, Journalism & Film	MS	Florida A&M University
Hough	David	L	Dean (Professor)	Education, College of	PHD	University of California-River Side
Hough	Lyon	H	Associate Professor	Biomedical Sciences	PHD	Saint Louis University
Howard	Jason	A	Instructor	Communication	MA	Missouri State University
Howell	Marcus	J	Associate Professor	Art and Design	MFA	University of Illinois at Urbana-Champaign
Hu	Shouchuan		Distinguished Professor	Mathematics	PHD	University of Texas at Arlington
Huang	Shyang		Professor	Physics, Astronomy and Materials Science	PHD	North Carolina State University
Hubbard	Kevin	M	Associate Professor	Technology and Construction Management	PHD	Missouri University of Science and Technology
Hudson	Danae	Lisa	Professor	Psychology	PHD	Louisiana State University
Hudson	Michael	B	Associate Professor	Sports Medicine and Athletic Training	PHD	University of Missouri-Columbia
Huffman	Stephanie	P	Department Head (Professor)	Reading, Foundations and Technology	EDD	Arkansas State University-Jonesboro
Hughes	Joseph	J	Professor	Modern and Classical Languages	PHD	University of Iowa
Hughes	Kevin	W	Associate Professor	Art and Design	MFA	Indiana University Bloomington
Hulgus	Joseph	F	Professor	Counseling, Leadership and Special Education	PHD	Texas Woman's University
Hulme	Amy	E	Assistant Professor	Biomedical Sciences	PHD	University of Michigan-Ann Arbor
Hunt	Chastity	Ann	Senior Associate Director Athletics/SWA	Intercollegiate Athletics	MA	University of Connecticut
Hunter	Anne Marie	B	Associate Professor	Biomedical Sciences	PHD	University of Nebraska-Lincoln
Hurst	Beth	A	Professor	Reading, Foundations and Technology	PHD	University of Arkansas
Hutter	James	B	Associate Professor	Agribusiness, Agriculture Education and Communications	PHD	University of Minnesota-Twin City
Hwang	Chin-Feng		Department Head (Professor)	Environmental Plant Science and Natural Resources	PHD	University of Iowa
Iantria	Linnea	A	Senior Instructor	Geography, Geology and Planning	MTA	George Washington University, The
Iman	Gary	L	Senior Instructor	Communication	MA	Missouri State University
Iqbal	Razib		Assistant Professor	Computer Science	PHD	University of Ottawa
Ireland	Kimberly	D	Clinical Instructor	Communication Sciences and Disorders	MS	Missouri State University
Jackson-Brown	Grace	M	Associate Professor	Library	PHD	Indiana University Bloomington
Jahnke	Tamera	S	Dean (Professor)	Natural and Applied Sciences, College of	PHD	University of Iowa
Jamos	Abdullah	Mohammad	Assistant Professor	Communication Sciences and Disorders	AUD	Missouri State University
Jamrose	Dennis	J	Assistant Professor	Marketing	PHD	University at Buffalo/Suny
Jean-Charles	Alex	J	Assistant Professor	Reading, Foundations and Technology	PHD	University of Illinois at Urbana-Champaign
Jean-Charles	Loretta	L	Instructor	Greenwood Laboratory School	MS	Radford University
Jennings	Bryan	Colby	Associate Professor	Art and Design	MFA	Washington State University
John	Judith	A	Professor	English	PHD	Kansas State University
Johnson	David	E A	Associate Professor	Political Science	PHD	University of Pittsburgh
Johnson	Emlyn	P	Instructor	Music	DMA	Eastman School of Music
Johnson	Richard	A	Professor	Information Technology and Cybersecurity	PHD	University of Arkansas

Missouri State University
Faculty and Administrative Staff
(as of September 25, 2019)

Jolivette	Catherine	Jane	Professor	Art and Design	PHD	Penn State-University Park
Jolley	Jason	R	Associate Dean (Department Head and Professor)	Arts and Letters, College of/Modern and Classical Languages	PHD	Penn State-University Park
Jones	Adena	D	Associate Professor	Psychology	PHD	Texas A&M University-Commerce
Jones	Alisha	K	Clinical Assistant Professor	Nursing, School of	MSN	Missouri State University
Jones	Cheryl	Gudmundson	Professor	Library	MLS	University of Chicago
Jones	Jeffrey	S	Department Head (Associate Professor)	Finance and General Business	PHD	University of Arkansas
Jones	Lauren	E	Clinic Director	Communication Sciences and Disorders	MS	Missouri State University
Jones	Martin	P	Associate Professor	Technology and Construction Management	PHD	Johns Hopkins University, The
Jones	Sarah	M	Clinical Assistant Professor	Communication Sciences and Disorders	AUD	University of Florida
Jones	Steven	P	Professor	Reading, Foundations and Technology	PHD	University of Chicago
Joswick	David	S	Senior Instructor	Technology and Construction Management	MTECH	University of Houston
Jutla	Rajinder	S	Professor	Geography, Geology and Planning	PHD	Virginia Tech
Kaatz	James	B	Associate Professor	Political Science	PHD	Northern Illinois University
Kaf	Wafaa		Professor	Communication Sciences and Disorders	MD	Assiut University
Kageyama	Yoshimasa		Assistant Professor	Hospitality Leadership	PHD	University of Central Florida
Kane	Thomas	D	Professor	Psychology	PHD	George Mason University
Kang	Sung-wan		Assistant Professor	Social Work, School of	MS	Ohio State University, The
Karanikas	Marianthe	V	Associate Professor	English	PHD	University of Illinois at Chicago
Katangur	Ajay	Kumar	Department Head (Professor)	Computer Science	PHD	Georgia State University
Kaufman	Daniel	A	Professor	Philosophy	PHD	Cuny-City College of New York
Kaula	Radhika		Instructor	Information Technology and Cybersecurity	MBA	Missouri State University
Kaula	Rajeev		Professor	Information Technology and Cybersecurity	PHD	Binghamton University/Suny
Keller	Carl	E	Associate Professor	Accountancy, School of	PHD	University of Tennessee-Knoxville
Kelts	Christopher	M	Associate Professor	Music	DMA	University of Missouri-Kansas City
Kemp	Paula	A	Distinguished Professor	Mathematics	PHD	Kansas State University
Kennedy	Kathleen	A	Department Head (Professor)	History	PHD	University of California-Irvine
Kenny	Erin	J	Assistant Professor	Sociology and Anthropology	PHD	University of Kentucky
Ketter	Daniel	M	Assistant Professor	Music	DMA	Eastman School of Music
Kettering	Denise	T	Director of Advancement Services	Advancement Services	BS	Missouri State University
Keys	Amanda	M	Assistant Professor	Social Work, School of	PHD	University of Missouri-Columbia
Kielhofner	Robert	B	University Engineer and Director of Facilities Management	Facilities Management	BS	Kansas State University
Killion	John	Kurt	Professor	Mathematics	EDD	University of Georgia
Kilmer	Shelby	J	Professor	Mathematics	PHD	Kansas State University
Kim	Junyoung		Assistant Professor	Kinesiology	PHD	Ohio State University, The
Kim	Kyoungtae		Associate Dean (Professor)	Natural and Applied Sciences, College of	PHD	Florida State University
Kindhart	Richard	S	Assistant Director for Athletics Communications	Athletics Communications	MS	Southeast Missouri State University
King	Elizabeth	K	Assistant Professor	Childhood Education and Family Studies	PHD	University of North Carolina At Greensboro
Kirkland-Ives	Mitzi	K	Professor	Art and Design	PHD	University of California-Santa Barbara
Kissoon-Charles	La Toya		Assistant Professor	Biology	PHD	North Dakota State University
Kitheka	Bernard	M	Assistant Professor	Kinesiology	PHD	Clemson University
Kleeschulte	Melanie		Instructor	Modern and Classical Languages	MA	Missouri State University
Koch	Philippa		Assistant Professor	Religious Studies	PHD	University of Chicago

Missouri State University
Faculty and Administrative Staff
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Koerber	Robin	Leann	Clinical Instructor	Childhood Education and Family Studies	MSED	Missouri State University
Koo	Pedro	G	Associate Professor	Modern and Classical Languages	PHD	University of Oklahoma
Korang-Okrah	Rose		Assistant Professor	Social Work, School of	MSW	Washington University
Koroglu	Didem		Instructor	Communication	MA	Arizona State University
Kostic	Bogdan	N	Associate Professor	Psychology	PHD	Colorado State University
Kotlaja	Marijana		Assistant Professor	Criminology and Criminal Justice	PHD	University of Nebraska-Omaha
Kovacs	Laszlo	G	Professor	Biology	PHD	University of Missouri-Columbia
Kuiper	Matthew		Assistant Professor	Religious Studies	PHD	University of Notre Dame
Kunkel	Allen	D	Associate Vice President for Research and Economic Development, and Director of JVIC	Research and Economic Development	MPA	University of Missouri-Columbia
Kyle	Jerri	Lynn	Senior Instructor	Communication	MA	Missouri State University
Kyle	Michael	J	Assistant Professor	Criminology and Criminal Justice	MS	Missouri State University
La Monica	Michael	B	Assistant Professor	Kinesiology	PHD	University of Central Florida
LaBarr	Cameron	Frederick	Associate Professor	Music	DMA	University of North Texas
Lambert	Joshua	D	Associate Professor	Library	MLS	Emporia State University
Lamouria	Lanya	M	Associate Professor	English	PHD	Washington University
Lancaster	Phillip		Assistant Professor	Animal Science	PHD	Texas A&M University
Lancaster	Sarah		Assistant Professor	Environmental Plant Science and Natural Resources	PHD	Texas A&M University
LaPreze	Melody	B	Assistant Professor	Management	PHD	University of Missouri-Columbia
Larson	Deborah	L	Associate Professor	Media, Journalism & Film	PHD	University of Missouri-Columbia
Lawler	Shirley	A	Chancellor, West Plains	West Plains Campus	EDD	University of Missouri-Columbia
Layman	Jill	K	Assistant Professor	Anesthesia, School of	MS	Missouri State University
Leamy	Diane	M	Senior Instructor	Criminology and Criminal Justice	MS	Illinois State University
Leasure	Stanley		Professor	Finance and General Business	JD	University of Tulsa
Lee	Kewman		Assistant Professor	Reading, Foundations and Technology	PHD	Arizona State University
Leinweber	Ashley		Associate Professor	Political Science	PHD	University of Florida
Lewellen	Ashleigh	M	Director of Campus Recreation	Campus Recreation	MS	Missouri State University
Lewis	Kayla	D	Assistant Professor	Reading, Foundations and Technology	PHD	University of Arkansas
Lewis	Robert	T	Assistant Professor	Media, Journalism & Film		
Li	LinDa		Assistant Professor	Marketing	PHD	University of Alabama
Liang	Yating		Professor	Kinesiology	PHD	Oklahoma State University
Liggett	Allan	J	Clinical Associate Professor	Sports Medicine and Athletic Training	EDD	University of Missouri-Columbia
Ligon	Day	B	Professor	Biology	PHD	Oklahoma State University
Liu	Hui		Professor	Computer Science	PHD	Georgia State University
Liu	Siming		Assistant Professor	Computer Science	PHD	University of Nevada-Reno
Livers	Stefanie		Assistant Professor	Childhood Education and Family Studies	PHD	University of Louisville
Llewellyn	John	E	Professor	Religious Studies	PHD	University of Chicago
Lockenvitz	Sarah		Assistant Professor	Communication Sciences and Disorders	PHD	University of Louisiana Lafayette
Lombilla	Luis	Francisco	Senior Instructor	Modern and Classical Languages	MA	Universidad De Alcala
Long	Jessica	L	Instructor	Management	EDS	University of Missouri-Columbia
Lopinot	Neal	H	Director of Center for Archeological Research	Center for Archaeological Research	PHD	Southern Illinois University-Carbondale
Loughary	Jeffrey	L	Instructor	Modern and Classical Languages	MAT	University of Utah
Lowe	Abby	Nicole	Instructor	Greenwood Laboratory School	MSED	Missouri State University

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Lowenthal-Hershey	Jennifer	M	Instructor	Information Technology and Cybersecurity	MBA	Drury University
Lozano	Justin	D	Director of Disability Resource Center	Disability Resource Center	MS	Missouri State University
Luo	Jun		Professor	Geography, Geology and Planning	PHD	University of Wisconsin-Milwaukee
Lupfer	Christopher		Assistant Professor	Biology	PHD	Oregon State University
Lyman	Sean	M	Professor	Art and Design	MFA	University of Kansas
Mabee	Jonathan		Assistant Professor	Media, Journalism & Film	MFA	Southern Illinois University-Carbondale
Macgregor	Cynthia	J	Professor	Counseling, Leadership and Special Education	EDD	University of Missouri-Columbia
Madden	Etta	M	Professor	English	PHD	University of New Hampshire
Maher	Sean	P	Assistant Professor	Biology	PHD	University of Kansas
Maimone	Luciane	L	Assistant Professor	Modern and Classical Languages	MS	Georgetown University
Mainali	Raju		Instructor	Information Technology and Cybersecurity	PHD	University of Nevada-Reno
Malega	Ronald	W	Associate Professor	Geography, Geology and Planning	PHD	University of Georgia
Mantie-Kozlowski	Alana	R	Associate Professor	Communication Sciences and Disorders	PHD	University of Louisiana Lafayette
Maples	Carol	J	Professor	Theatre and Dance	EDD	University of Missouri-Columbia
Margavio	Geanie	W	Associate Professor	Accountancy, School of	PHD	Troy University
Margavio	Thomas	M	Professor	Information Technology and Cybersecurity	PHD	University of Alabama
Martin	Jill	R	Instructor	Greenwood Laboratory School	MSED	Missouri State University
Martin	Judith	E	Professor	Modern and Classical Languages	PHD	Washington University
Martinez	Blanca	Judith	Assistant Professor	Modern and Classical Languages	MAT	Missouri State University
Masterson	Gerald		Professor	Kinesiology	PHD	University of Mississippi
Masterson	Julie	J	Associate Provost and Dean of Graduate College (Professor)	Graduate College	PHD	University of Memphis
Mathis	S	Alicia	Department Head (Distinguished Professor)	Biology	PHD	University of Louisiana Lafayette
Matthews	James	C	Instructor	Counseling, Leadership and Special Education	MS	Missouri State University
Matthews	Victor	H	Dean (Professor)	Humanities and Public Affairs, College of	PHD	Brandeis University
Mayanovic	Robert	A	Department Head (Distinguished Professor)	Physics, Astronomy and Materials Science	PHD	Purdue University
Mayes	Hillary	J	Instructor	Health and Human Services, McQueary College of	MS	Missouri State University
Mays	Larry	W	Instructor	Kinesiology	EDS	Missouri State University
Mbanga	Cedric Tresor		Assistant Professor	Finance and General Business	DBA	Louisiana Tech University
McCallister	Sarah	G	Department Head (Professor)	Kinesiology	EDD	University of Arkansas
McCarthy	Keeli	Marie	Artist-In-Residence	Art and Design		
McClain	William	E	Assistant Professor	Environmental Plant Science and Natural Resources	PHD	University of Missouri-Columbia
McCoy	Katelyn	Nichole	Instructor	Agribusiness, Agriculture Education and Communications	MNAS	Missouri State University
McCoy	Theresa	A	Director of Computer Services	Computer Services	BS	Drury University
McCroskey	Marilyn	J	Professor	Library	MA	University of Missouri-Columbia
McEntee	Jay		Assistant Professor	Biology	PHD	University of California-Berkeley
McGinnis	Rachel	L	Interim Director of Research Administration	Research Administration	PHD	Saint Louis University
McIntyre	Stephen	L	Professor	History	PHD	University of Missouri-Columbia
McKay	Matthew	Paul	Assistant Professor	Geography, Geology and Planning	PHD	West Virginia University
McLean	Annice	H	Senior Instructor	Reading, Foundations and Technology	MS	Missouri State University
McMeley	Cynthia	A	Instructor	Childhood Education and Family Studies	MSED	Missouri State University
Meadows	William	C	Professor	Sociology and Anthropology	PHD	University of Oklahoma

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Meek	Russell	K	Instructor	Finance and General Business	MBA	University of Central Missouri
Meinert	David	B	Dean (Professor)	Business, College of	PHD	University of Mississippi
Meints	Gary	A	Associate Professor	Chemistry	PHD	University of Washington
Mellors	Sarah	C	Assistant Professor	History	MA	University of California-Irvine
Meraz	Juan		Assistant Vice President for Diversity and Inclusion	Diversity and Inclusion	MBA	Missouri State University
Merrigan	Michael	W	Clinical Associate Professor	Management	JD	University of Iowa
Metcalf	Holly	V	Clinical Assistant Professor	Communication Sciences and Disorders	MS	Missouri State University
Metzker	Helena	P	Instructor	Chemistry	MS	Missouri State University
Meyer	Judith	L	Professor	Geography, Geology and Planning	PHD	University of Wisconsin-Madison
Miao	Xin		Professor	Geography, Geology and Planning	PHD	University of California-Berkeley
Michelfelder	Gary		Associate Professor	Geography, Geology and Planning	PHD	Montana State University
Mickus	Kevin	L	Distinguished Professor	Geography, Geology and Planning	PHD	University of Texas at El Paso
Millana	Jocelyn	B	Assistant Professor	Media, Journalism & Film	MFA	Academy of Art University
Miller	Andrea	L	Associate Professor	Library	MA	University of Missouri-Columbia
Miller	Carol	J	Distinguished Professor	Finance and General Business	JD	University of Missouri-Columbia
Miller	F	Thornton	Professor	History	PHD	University of Alabama
Miracle	Nathan	A	Assistant Professor	Physician Assistant Studies	MS	Missouri State University
Mirza	Babur	S	Assistant Professor	Biology	PHD	Texas State University-San Marcos
Mitchell	D	Wayne	Associate Dean (Associate Professor)	Health and Human Services, McQueary College of	PHD	University of Kansas
Mitchell	David	M	Professor	Economics	PHD	Oklahoma State University
Mitra	Mahua	B	Professor	Economics	PHD	Iowa State University
Mitra	Saibal		Professor	Physics, Astronomy and Materials Science	PHD	Iowa State University
Mitts	Maryann		Assistant Professor	Kinesiology	PHD	University of Arkansas
Moats	Kyle	L	Director of Athletics	Intercollegiate Athletics	MS	University of Kentucky
Mook	Natalie		Senior Instructor	Agriculture, William H. Darr College of	MED	South Dakota State University
Moore	Robert	C	Director of Financial Aid	Financial Aid	MIAA	Missouri State University
Morgan	Michelle	M	Associate Professor	History	PHD	University of Wisconsin-Madison
Morganthaler	Jennifer	S	Clinical Instructor	Environmental Plant Science and Natural Resources	BS	Missouri State University
Morris	Eric	R	Associate Professor	Communication	PHD	University of Kansas
Morris	Joseph	S	Director of New Student and Family Programs	New Student and Family Programs	MA	Missouri State University
Morris	Matthew	D	Vice President for Administrative Services	Administrative Services	MBA	Missouri State University
Morris	Taleyna	M	Instructor	Communication	PHD	University of Kansas
Morrison	Martin	T	Instructor	Music	MM	Southern Illinois University-Edwards
Moser	Linda	T	Associate Dean (Interim Department Head and Professor)	Arts and Letters, College of/English	PHD	University of California-Davis
Mostyn	Andrea	L	Director of University Communications	University Communications	MPA	Missouri State University
Mowrey	Sascha	C	Assistant Professor	Childhood Education and Family Studies	PHD	Vanderbilt University
Muchnick	Amy	Faye	Professor	Music	DMA	University of Maryland-College Park
Muegge	Frederick	D	Director of Health and Wellness Services	Health and Wellness Center	MD	University of Missouri
Mueller	Stephen	L	Professor	Management	PHD	University of Texas at Dallas
Murphy	Lindsey	M	Assistant Professor	Childhood Education and Family Studies	PHD	University of Missouri-Columbia
Murray	Michael	F	Professor	Music	DMA	University of Cincinnati

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Murray	Sarah	E	Senior Instructor	Biomedical Sciences	MS	Illinois State University
Murvin	Jennifer	L	Senior Instructor	English	MFA	Pacific States University
Naegle Jr	J	Conrad	Assistant Professor	Accountancy, School of	PHD	University of Kansas
Neely	Jeremy	C	Assistant Professor	History	PHD	University of Missouri-Columbia
Nelson	Eric	W	Professor	History	PHD	University of Oxford
Nelson	Jacob	A	Instructor	Technology and Construction Management	MS	Kansas State University
Nelson	Jessica	Ann	Assistant Professor	Counseling, Leadership and Special Education	EDD	Kansas State University
Nelson	Walt	A	Associate Professor	Finance and General Business	PHD	Georgia State University
Newman	Jonathan	M	Assistant Professor	English	PHD	University of Toronto
Newman	Mary	C	Associate Professor	Psychology	PHD	University of Arizona
Newton	Sean	C	Associate Professor	Physical Therapy	PHD	Southern Illinois University-Carbondale
Nixon	Sarah	B	Professor	Reading, Foundations and Technology	PHD	Kent State University
Nordyke	Kathy	J	Director of Citizenship and Service Learning	Citizen and Service Learning	PhD	North Central University
Norris	Joye	H	Associate Provost for Access and Outreach (Professor)	Missouri State Outreach	PHD	Illinois State University
Northrip-Rivera	Angelia	M	Senior Instructor	English	MA	Missouri State University
Novakowski	Julia	T	Assistant Professor	Reading, Foundations and Technology	PHD	Ohio State University, The
Novik	Melinda	G	Associate Professor	Kinesiology	PHD	University of Maryland College
Novotny	Daniela		Instructor	Biomedical Sciences	MS	Missouri State University
Nugent	Pauline		Professor	Modern and Classical Languages	PHD	University of Texas at Austin
Obafemi-Ajayi	Tayo		Assistant Professor	Engineering Program	PHD	Illinois Institute of Technology
Oden	Debra	H	Professor	Accountancy, School of	JD	St Mary's University of San Antonio
Odneal	Marilyn	B	Clinical Instructor	Environmental Plant Science and Natural Resources	MS	Madison Area Technical College
Oetting	Tara	L	Clinical Professor	Communication Sciences and Disorders	MS	Missouri State University
Olsen	Michelle	D	Director of Institutional Research	Institutional Research	PHD	University of North Dakota
Olsen	Reed	N	Professor	Economics	PHD	University of Illinois at Chicago
Ondetti	Gabriel	A	Associate Professor	Political Science	PHD	University of North Carolina At Chappel Hill
Ongaga	Kennedy	O	Assistant Professor	Counseling, Leadership and Special Education	PHD	Michigan State University
Onyango	Benjamin	M	Professor	Agribusiness, Agriculture Education and Communications	PHD	University of Connecticut
Oram	Samuel	Jonathan	Artist-In-Residence	Music		
Oyeniyi	Bukola		Associate Professor	History	PHD	Leiden University
Pace	Glenn	R	Senior Instructor	Management	MBA	University of Missouri-Kansas City
Paddock	Joel	W	Professor	Political Science	PHD	University of Kansas
Palacios-Valladares	Indira		Associate Professor	Political Science	PHD	University of North Carolina At Chappel Hill
Paliliunas	Dana	C	Assistant Professor	Psychology	PHD	Southern Illinois University-Carbondale
Panzer	Sarah	J	Assistant Professor	History	PHD	University of Chicago
Pardue	Mary	J	Associate Dean (Department Head and Professor)	Arts and Letters, College of/Media, Journalism & Film	DA	Middle Tennessee State University
Parnell	Patrick	M	Director of International Services office	International Services	MBA	Drury University
Parsons	James		Professor	Music	PHD	University of North Texas

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Faculty and Administrative Staff
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Patterson	Kathryn	A	Clinical Associate Professor	Nursing, School of	DNP	Missouri State University
Patterson	Paula	K	Associate Professor	Music	EDD	University of Missouri-Columbia
Patterson	Robert	S	Professor	Physics, Astronomy and Materials Science	PHD	University of Iowa
Patton	Marciann		Senior Instructor	Technology and Construction Management	MSED	Drury University
Pavlowsky	Robert	T	Distinguished Professor	Geography, Geology and Planning	PHD	University of Wisconsin-Madison
Paxton	Mark	A	Professor	Media, Journalism & Film	PHD	University of Tennessee-Knoxville
Payne	Ashley	N	Instructor	Psychology	PHD	University of Memphis
Payne	Richard	Todd	Professor	Music	DMA	University of Illinois at Urbana-Champaign
Pearman	Cathy	J	Professor	Reading, Foundations and Technology	PHD	University of Arkansas
Peddle	Zipporah	Christiana	Artist-In-Residence	Theatre and Dance		
Penkalski	James	T	Director of Athletic Medical and Rehab Services	Athletic Medical and Rehab Services	MA	Northern Michigan University
Penkalski	Melissa	R	Assistant Professor	Nursing, School of	DNP	Missouri State University
Percival	Michael	E	Instructor	Greenwood Laboratory School	MSED	Missouri State University
Perkins	David	R	Assistant Professor	Geography, Geology and Planning	PHD	University of North Carolina At Greensboro
Pervukhin	Eric		Professor	Art and Design	MFA	University of Illinois at Chicago
Peters	Grant	S	Professor	Music	DMA	University of North Texas
Peters	Thomas	A	Dean (Professor)	Library	MA	University of Missouri-Kansas City
Peterson	Dane	K	Professor	Information Technology and Cybersecurity	PHD	Southern Illinois University-Carbondale
Peterson II	James	Preston	Assistant Professor	Technology and Construction Management	PHD	Missouri University of Science and Technology
Pfeil	Timothy	M	Instructor	Greenwood Laboratory School	MAT	Missouri State University
Pham	Courtney	T	Senior Instructor	Marketing	MBA	Missouri State University
Phelps	Quinton		Assistant Professor	Biology	PHD	Southern Illinois University-Carbondale
Philpot	James	D	Associate Professor	Finance and General Business	PHD	University of Arkansas
Piccolo	Diana	L	Associate Professor	Childhood Education and Family Studies	PHD	Texas A&M University
Pierson	Carly	C	Instructor	Marketing	MBA	Missouri State University
Pierson	Matthew	C	Associate Professor	Engineering Program	MS	University of Kansas
Pippa	Christina	Michelle	Instructor	Media, Journalism & Film	MFA	University of Iowa
Plisco	Erin	E	Assistant Professor	Music		
Powell	Sarah	M	Assistant Professor	Kinesiology	PHD	University of North Caroline at Greensboro
Prakash	Puneet		Associate Professor	Finance and General Business	PHD	Georgia State University
Pratt	Harold	W	Assistant to President and Chief Diversity officer	Diversity and Inclusion	BA	Drury University
Pratt	Jennifer	M	Clinical Associate Professor	Communication Sciences and Disorders	MS	University of Washington
Prescott	John	S	Professor	Music	DMA	University of Kansas
Presnell	Raymond	L	Director of Bookstore	Bookstore	BS	Missouri State University
Price	Debra	A	Instructor	Childhood Education and Family Studies	MSED	Missouri State University
Price	Joseph		Department Head (Professor)	Theatre and Dance	MFA	Southern Methodist University
Proctor	Lisa	A	Interim Department Head (Professor)	Communication Sciences and Disorders	PHD	University of Nebraska-Lincoln

Missouri State University
Faculty and Administrative Staff
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Pszczolkowski	Maciej	A	Research Professor	Environmental Plant Science and Natural Resources	PHD	University of Warsaw
Pulley	Kathy	J	Professor	Religious Studies	PHD	Boston University
Pulleyking	Micki	A	Senior Instructor	Religious Studies	MD	Harvard College
Putman	Mark	A	Associate Professor	Theatre and Dance	MFA	University of California-Davis
Putzu	Vadim		Assistant Professor	Religious Studies	PHD	Hebrew Union College
Pybas	Kevin	M	Associate Professor	Political Science	JD	University of Tulsa
Qiao	Yuhua		Professor	Political Science	PHD	Florida Atlantic University
Qiu	Wenping		Research Professor	Environmental Plant Science and Natural Resources	PHD	North Carolina State University
Qiu	Xiaomin		Associate Dean (Professor)	Natural and Applied Sciences, College of	PHD	Texas State University-San Marcos
Quinn	Nathaniel	E	Senior Instructor	Counseling, Leadership and Special Education	MA	Pittsburg State University
Rabon	John	S	Instructor	Economics	PHD	University of North Carolina At Chappel Hill
Rachal	Brandon	D	Clinical Assistant Professor	Nursing, School of	MSN	University of Missouri-St Louis
Ragan	Gay	A	Professor	Mathematics	PHD	University of Missouri-Columbia
Ragan	Kent	P	Interim Associate Dean (Professor)	Business, College of	PHD	University of Missouri-Columbia
Rainwater	Douglas	G	Budget And Financial Manager	Provost Office	MS	Missouri State University
Rapp	Kelly	E	Director of Career Center	Career Center	PHD	Indiana University Bloomington
Rast	Rebecca	L	Assistant Professor	Marketing	MBA	Missouri State University
Ravenscraft	Julia	K	Instructor	Accountancy, School of	MACC	Missouri State University
Ray	Jack	H	Assistant Director for Center for Archaeological Research	Center for Archaeological Research	MA	University of Missouri-Columbia
Raza	Muhammad	Hassan	Assistant Professor	Childhood Education and Family Studies	PHD	Montclair State University
Rebaza-Vasquez	Jorge	L	Associate Dean (Professor)	Natural and Applied Sciences, College of	PHD	Georgia Institute of Technology
Rector	Paula	K	Senior Instructor	Criminology and Criminal Justice	MS	Northern Arizona University
Redd	Emmett	R	Professor	Physics, Astronomy and Materials Science	PHD	Missouri University of Science and Technology
Reed	Michael	D	Professor	Physics, Astronomy and Materials Science	PHD	Iowa State University
Reid	Leslie	F	Professor	Mathematics	PHD	Duke University
Reinis	Austra		Professor	Religious Studies	PHD	Princeton Theological Seminary
Richter	Mark	M	Professor	Chemistry	PHD	Washington State University
Rico	Cyren	M	Assistant Professor	Chemistry	PHD	University of Texas at El Paso
Riggs	Trisha	N	Director of Southwest Missouri Area Health Education Center	Southwest Missouri Area Health Education Center	MPH	Missouri State University
Rimal	Arbindra		Department Head (Professor)	Agribusiness, Agriculture Education and Communications	PHD	University of Florida
Roam	Kimberly	J	Clinical Assistant Professor	Childhood Education and Family Studies	MS	Missouri State University
Roberts	Hillary	L	Assistant Professor	Biomedical Sciences	MS	University of Sydney
Roberts	Jenifer	J	Assistant Professor	Merchandising and Fashion Design	PHD	Northcentral University
Robinson	Barbara	Susan	Professor	Physical Therapy	PHD	Creighton University
Robinson	Melinda		Senior Instructor	Theatre and Dance	MFA	University of Southern California
Robison	Jane	E	Executive Director of English Language Institute	English Language Institute	EDD	University of Missouri-Columbia
Rodriguez de la Vega	Vanessa		Assistant Professor	Modern and Classical Languages	PHD	Texas Tech University
Rogers	Lori	E	Senior Instructor	English	MA	Missouri State University

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Faculty and Administrative Staff
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Rogers	Mark	W	Professor	Mathematics	PHD	Purdue University
Rohall	David		Department Head (Professor)	Sociology and Anthropology	PHD	University of Maryland College
Rohr	Ami	D	Clinical Assistant Professor	Nursing, School of	MSN	University of Missouri-Kansas City
Romano	David		Professor	Political Science	PHD	University of Toronto
Ross	Jaime	M	Director of Adult Non-Traditional Student Resources	Adult Student Services	BS	Missouri State University
Rost	Ann	D	Professor	Psychology	PHD	University of Kansas
Rothschild	Philip	C	Associate Professor	Management	PHD	Florida State University
Rovey	Charles	W	Professor	Geography, Geology and Planning	PHD	University of Wisconsin-Milwaukee
Rowe	Roberta	A	Senior Instructor	Communication	MA	Missouri State University
Rozell	Elizabeth	J	Associate Dean (Professor), Interim Department Head	Business, College of/Merchandising and Fashion Design	PHD	University of Mississippi
Russell	Avery	L	Assistant Professor	Biology	PHD	University of Arizona
Russell	Regina	M	Clinical Assistant Professor	Social Work, School of	MSW	University of Texas at Arlington
Saenz	Gabriel	Diego	Assistant Professor	Psychology	PHD	Texas A&M University-Main Campus
Sailors	Pamela	R	Associate Dean (Professor)	Humanities and Public Affairs, College of	PHD	University of Georgia
Sakidja	Ridwan		Professor	Physics, Astronomy and Materials Science	PHD	University of Wisconsin-Madison
Salinas	Patti	J	Associate Professor	Criminology and Criminal Justice	PHD	Sam Houston State University
Samuelson	Steven	W	Instructor	Information Technology and Cybersecurity	MS	University of Dayton
Sandel	William	L	Assistant Professor	Criminology and Criminal Justice	PHD	Texas State University
Saquer	Jamil	M	Professor	Computer Science	PHD	University of Nebraska-Lincoln
Satterfield	James		Department Head (Professor)	Counseling, Leadership and Special Education	EDD	Eastern Michigan University
Satterfield	Michelle	Ann	Clinical Instructor	Childhood Education and Family Studies	MAT	Aurora University
Sauer	Aaron	D	Assistant Professor	Technology and Construction Management	PhD	Indiana State University
Saunders	Georgianna	L	Associate Professor	Biology	PHD	University of Oklahoma
Saxon	Caryn	E	Senior Instructor	Criminology and Criminal Justice	MS	Missouri State University
Schaefer	Allen	D	Professor	Marketing	PHD	Kansas State University
Schaefer	Weirong	Y	Senior Instructor	Modern and Classical Languages	PHD	Kyoto University
Schick	G	Alan	Professor	Chemistry	PHD	University of California-River Side
Schmalzbauer	John	A	Professor	Religious Studies	PHD	Princeton University
Schmelzle	George	D	Professor	Accountancy, School of	PHD	University of Mississippi
Schoeben	Melissa	A	Instructor	Biology	MS	Missouri State University
Schotthofer	Melissa	J	Clinical Instructor	Childhood Education and Family Studies	MA	University of Missouri-Columbia
Scott	Patrick	G	Professor	Political Science	PHD	Syracuse University
Scott	Shari	L	Instructor	Counseling, Leadership and Special Education	EDD	Tennessee State University
Scott	Vicky	Lynn	Instructor	Music	MSED	Missouri State University
Scroggins	Wesley	A	Professor	Management	PHD	New Mexico State University
Seawright	Leslie		Assistant Professor	English	PHD	University of Arkansas
Sedaghat-Herati	Reza		Professor	Chemistry	PHD	University of Surrey
Segovia Liga	Argelia		Instructor	History	PHD	Leiden University
Sells	Patrick	R	Instructor	Information Technology and Cybersecurity	MBA	Missouri State University
Senger	Steven		Assistant Professor	Mathematics	PHD	University of Missouri-Columbia
Seo	Jin	A	Assistant Professor	Art and Design	MFA	University of Illinois at Urbana-Champaign
Setzer	Shelby	M	Instructor	Greenwood Laboratory School	EDS	Missouri State University
Sexton	Randall	S	Professor	Information Technology and Cybersecurity	PHD	University of Mississippi

Missouri State University
Faculty and Administrative Staff
(as of September 25, 2019)

Shade	Maria	L	Clinical Assistant Professor	Nursing, School of	MSN	University of Missouri-Kansas City
Shah	Kishor		Professor	Mathematics	PHD	Purdue University
Shain	Ralph	E	Associate Professor	Philosophy	JD	Stanford University
Shand-Hawkins	Carolyn	H	Instructor	Mathematics	MS	Missouri State University
Shao	Feibo		Assistant Professor	Management	PHD	Oklahoma State University
Shaw	Jason	L	Assistant Professor	Physical Therapy	DPT	A.T. Still University
Shaw	Margaret	Suzanne	Vice President for Marketing and Communication	Marketing and Communication	MBA	Dartmouth College
Shea	Harry	D	Instructor	Mathematics	MA	University of Maine at Orono
Shepard	Jason	A	Instructor	Sociology and Anthropology	MPH	Missouri State University
Sherman-Wilkins	Kyler		Assistant Professor	Sociology and Anthropology	PHD	Penn State-University Park
Sherrill	Donna	N	Senior Instructor	Mathematics	MSED	Missouri State University
Shi	Yili		Professor	English	PHD	Ball State University
Shin	Soo	Il	Assistant Professor	Information Technology and Cybersecurity	PHD	Auburn University
Shirley	Corinne	E	Senior Instructor	Modern and Classical Languages	PHD	Indiana University Bloomington
Shoptaugh	Carol	F	Professor	Psychology	PHD	University of Missouri-St Louis
Shoumikhin	Andrei	Y	Instructor	Defense and Strategic Studies	PHD	Moscow State Pedagogical University
Siebert	Matthew		Associate Professor	Chemistry	PHD	University of California-Davis
Simmers	Christina	S	Professor	Marketing	PHD	Louisiana State University
Simmons	Daniel	Jake	Associate Dean (Associate Professor)	Arts and Letters, College of/Communications	PHD	Southern Illinois University-Carbondale
Simpson	Ashley	K	Clinical Assistant Professor	Nursing, School of	MSN	Missouri State University
Siscoe	Denita	S	Vice President for Student Affairs (Assistant Professor)	Student Affairs	EDD	University of North Texas
Skiba	Jenifer		Assistant Professor	Marketing	PHD	University of Nebraska-Lincoln
Skibiski	Barbara	Jeanie	Assistant Professor	Anesthesia, School of	DNAP	Missouri State University
Smart	Clifton	M	President	President's Office	JD	University of Arkansas
Smith	Amanda	Lynn	Assistant Professor	Art and Design	MFA	University of Nebraska-Lincoln
Smith	Cara	L	Clinical Instructor	Childhood Education and Family Studies	MA	University of Missouri-Columbia
Smith	Cole	R	Clinical Instructor	Social Work, School of	MSW	University of Arkansas-Little Rock
Smith	Joshua	J	Associate Professor	Biomedical Sciences	PHD	University of Minnesota-Twin City
Smith	Lloyd	A	Professor	Computer Science	PHD	University of North Texas
Smith	Mark		Dean (Professor)	Health and Human Services, McQueary College of	PHD	University of Georgia
Snow	Donald	Bradley	Assistant Professor	Music	DMA	University of Southern Mississippi
Sobel	Elizabeth	A	Professor	Sociology and Anthropology	PHD	University of Michigan-Ann Arbor
Sottile	James		Professor	Counseling, Leadership and Special Education	EDD	West Virginia University
Spates	Stephen		Assistant Professor	Communication	MA	Western Michigan University
Stafford	Gary	L	Senior Instructor	Mathematics	MA	Missouri State University
Stalnaker	Jo	Lynne	Instructor	Information Technology and Cybersecurity	MED	Wichita State University
Stanbrough	CaSandra	L	Assistant Professor	Psychology	PHD	Oklahoma State University
Stanojevic	Vera	B	Professor	Mathematics	PHD	University of Belgrade
Stanton	Rhonda	J	Associate Professor	English	PHD	Texas Tech University
Stapleton	Stephen		Director (Associate Professor)	Nursing, School of	PHD	University of Illinois at Chicago
Starr	Cathy	L	Associate Professor	Merchandising and Fashion Design	PHD	Oklahoma State University
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Stewart	Rabekah	D	Executive Director of TRIO Programs	TRIO Student Support Services	PHD	Walden University
Storochuk	Allison	M	Professor	Music	DMA	Arizona State University
Stout	Tracy	L	Professor	Library	MA	University of Arizona
Strong	Elizabeth	C	Director of Study Away Programs	Study Away	MBA	Missouri State University
Strong	John	T	Professor	Religious Studies	PHD	Union Theological Seminary
Stulce	Tara	J	Clinical Instructor	Biomedical Sciences	MPH	Missouri State University
Su	Wei-Han		Professor	Music	DMA	Johns Hopkins University, The
Su	Yingcai		Professor	Mathematics	PHD	University of North Carolina At Chappel Hill
Sudbrock	Christine	E	Instructor	Agribusiness, Agriculture Education and Communications	MS	University of Illinois at Urbana-Champaign
Sukovaty	Lacy	Dawn	Assistant Professor	Animal Science	DVM	University of Missouri-Columbia
Sullivan	Patrick		Assistant Professor	Mathematics	PHD	Penn State-University Park
Sun	Linda	R	Instructor	Mathematics	MS	University of Texas at Austin
Sun	Xingping		Professor	Mathematics	PHD	University of Texas at Austin
Suttmoeller	Michael		Associate Professor	Criminology and Criminal Justice	PHD	Michigan State University
Swearingen	Rebecca		Associate Professor	Reading, Foundations and Technology	EDD	Oklahoma State University
Swidey	Edward	S	Artist-In-Residence	Theatre and Dance	MFA	University of Delaware
Taggart	Lindsey	M	Assistant Professor	Library	MA	University of Missouri-Columbia
Tapis	Gregory		Assistant Professor	Accountancy, School of	PHD	Mississippi State University
Tapis	Kanu Priya		Assistant Professor	Management	PHD	University of Georgia
Tarbox	Judy	DAmmasso	Instructor	English	PHD	Rensselaer Polytechnic Institute
Tassin	Kerri	Lynn	Assistant Professor	Accountancy, School of	JD	University of Tulsa
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Templer Rodrigues	Abby	I	Assistant Professor	Sociology and Anthropology	PHD	University of Massachusetts-Amherst
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Thomas	Steven	L	Professor	Management	PHD	University of Kansas
Thomas	Suneeta		Assistant Professor	English	PHD	Purdue University
Thomas-Tate	Shurita		Associate Professor	Communication Sciences and Disorders	PHD	Ohio State University, The
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Thompson	Kip	R	Assistant Professor	Public Health Program	PHD	University of South Alabama
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Timson	Benjamin	F	Professor	Biomedical Sciences	PHD	Washington State University
Tinkler	Alan	Scott	Associate Professor	English	PHD	University of Denver
Tinkler	Barri	Evalee	Associate Dean (Professor)	Education, College of	PHD	University of Denver
Tinsley	Tonia	E	Associate Professor	Modern and Classical Languages	PHD	Washington University
Tipton	Sara	Lynn	Clinical Instructor	Childhood Education and Family Studies	EDS	Missouri State University
Tomasi	Thomas	E	Professor	Biology	PHD	University of Utah
Tripi	Anna	M	Instructor	Mathematics	MS	Missouri State University
Troche	Julia	D	Assistant Professor	History	PHD	Brown University
Tsai	Henry		Assistant Professor	Biomedical Sciences	PHD	University of Missouri-Columbia
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Udan	Ryan		Assistant Professor	Biology	PHD	Baylor College of Medicine
Ulbricht	Randi	J	Assistant Professor	Biomedical Sciences	PHD	University of Missouri-St Louis
Uribe-Zarain	Ximena		Assistant Professor	Counseling, Leadership and Special Education	PHD	University of Delaware
Van Landuyt	Cathryn	A	Senior Instructor	Information Technology and Cybersecurity	PHD	University of St Andrews
Van Ornum	Kimberly	Justine	Senior Instructor	Mathematics	MS	Missouri State University
Vaughan	David	A	Director of Environmental Management	Environmental Health and Safety	BS	Missouri State University
Visio	Michelle	E	Professor	Psychology	PHD	Southern Illinois University-Carbondale
Vu	Duat		Associate Professor	Art and Design	MFA	University of Connecticut
Wahl	Shawn	T	Dean (Professor)	Art and Letters, College of	PHD	University of Nebraska-Lincoln
Wait	D	Alexander	Professor	Biology	PHD	Syracuse University
Walker	Alicia	M	Assistant Professor	Sociology and Anthropology	PHD	University of Kentucky
Walker	Elizabeth	L	Professor	Animal Science	PHD	University of Missouri-Columbia
Walker	Ruth	V	Assistant Professor	Psychology	PHD	University of Akron
Walker-Pacheco	Suzanne	E	Professor	Sociology and Anthropology	PHD	Cuny-City College of New York
Wallentine	Scott	W	Associate Professor	Physical Therapy	PHD	Creighton University
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Walters	Heather	L	Senior Instructor	Communication	JD	University of Georgia
Wanekaya	Adam		Professor	Chemistry	PHD	State University of New York
Wang	Fei		Assistant Professor	Chemistry	PHD	Iowa State University
Wang	Jianjie		Associate Professor	Biomedical Sciences	PHD	University of Missouri-Columbia
Wang	Siyu		Assistant Professor	Economics	PHD	George Mason University
Wang	Weiyan		Associate Professor	Media, Journalism & Film	MFA	Ohio University
Wang	Yang		Professor	Computer Science	PHD	University of Nebraska-Lincoln
Ward	Andrew		Assistant Professor	Physical Therapy	BS	Oklahoma City University
Ward	V	Jane	Instructor	Reading, Foundations and Technology	EDD	Lindenwood University
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Weaver	Margaret	E	Professor	English	PHD	University of Texas at Arlington
Webb	Gary	W	Department Head	Animal Science	PHD	Texas A&M University
Weber	Donald	T	Director of Plaster Student Union	Plaster Student Union	MA	Bowling Green State University
Wehrman	Erin	C	Assistant Professor	Communication	PHD	University of Illinois-Urbana
West	Nicole	Mary-ella	Assistant Professor	Counseling, Leadership and Special Education	PHD	University of South Florida
Westenberg	Robert	W	Professor	Theatre and Dance	MFA	American Conservatory Theater
Whipple	Tanya	L	Senior Instructor	Psychology	PSYD	Forest Institute
Whisenhunt	Brooke	L	Professor	Psychology	PHD	Louisiana State University
White	Timothy	R	Associate Professor	Media, Journalism & Film	PHD	University of Wisconsin-Madison
White	Wajeana	Gail	Instructor	Hospitality Leadership	BS	Missouri State University
White Minnis	Letitia	J	Associate Dean (Professor)	Health and Human Services, McQueary College of	PHD	East Carolina University
Wickham	Cameron	G	Professor	Mathematics	PHD	University of Utah
Wiechert	Raegan	N	Assistant Professor	Library	MA	University of Missouri-Columbia
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Wilcoxon	Sarah		Assistant Professor	Theatre and Dance	MFA	Florida State University

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Wiley	Tammy	B	General Manager of KSMU	KSMU Ozarks Public Radio	MA	Missouri State University
Wilker	Karl	L	Research Professor	Environmental Plant Science and Natural Resources	PHD	Ohio State University, The
Willey	Marc	S	Assistant Professor	Occupational Therapy	PHD	University of Arkansas
Williams	John	R	Director (Associate Professor)	Accountancy, School of	PHD	University of Mississippi
Williams	Joseph	P	Senior Instructor	Biomedical Sciences	MS	Missouri State University
Williams	Sarah	K	Associate Professor	Art and Design	MFA	University of North Texas
Williamson	Elizabeth	M	Associate Professor	Physical Therapy	PHD	Texas Tech University
Willis	Jessica	Kay	Instructor	Health and Human Services, McQueary College of	MS	Missouri State University
Willis	Steven	C	Professor	Art and Design	PHD	Florida State University
Wills	C	Michael	Director of Procurement	Procurement Services	MS	Missouri State University
Wilson	Daniel	J	Professor	Kinesiology	PHD	Michigan State University
Winstead	Cynthia	J	Professor	Theatre and Dance	MFA	University of Virginia-Main Campus
Witkowski	Colette	M	Department Head (Professor)	Biomedical Sciences	PHD	University of Arizona
Witte	Hugh	Douglas	Associate Professor	Finance and General Business	PHD	University of Arizona
Wood	Gina	M	Clinical Assistant Professor	Childhood Education and Family Studies	EDD	Lindenwood University
Wood	Kelly	S	Executive Director of Center for Academic Success and Transition (Professor)	Center for Academic Success and Transition	PHD	Ohio University
Wood	Mary	Ann	Director of Public Affairs Support	Public Affairs	MS	Kansas State University
Woodard	Rebecca	J	Professor	Kinesiology	PHD	Indiana University Bloomington
Wooden	Shannon	R	Professor	English	PHD	University of North Carolina At Chappel Hill
Worman	Frederick	Scott	Associate Professor	Sociology and Anthropology	PHD	University of New Mexico
Wright	Christine	J	Assistant Professor	Childhood Education and Family Studies	PHD	University of Missouri-Columbia
Wright	Matthew	E	Associate Professor	Mathematics	PHD	University of Missouri-Columbia
Yadon	Carly	A	Associate Professor	Psychology	PHD	Colorado State University
Yang	Zhiguo		Assistant Professor	Information Technology and Cybersecurity	PHD	University of Kentucky
Yarberry	Vonda	K	Department Head (Professor)	Art and Design	MFA	Rutgers University
Yarckow-Brown	Ivy	V	Senior Instructor	Criminology and Criminal Justice	MS	University of North Texas
Yoes	Tammy	Marie	Clinical Assistant Professor	Nursing, School of	MS	University of Oklahoma Health Science Center
Yoshimatsu	Keiichi		Assistant Professor	Chemistry	PHD	Lund University
Zalewska-Duszek	Iwona		Senior Instructor	Art and Design	MFA	University of Illinois at Chicago
Zastoupil	John		Assistant Professor	Music	DMA	Northwestern University
Zhang	Ying	Jenny	Associate Professor	Finance and General Business	PHD	University of Kansas
Zheng	Songfeng		Professor	Mathematics	PHD	University of California-Los Angeles
Zhou	Fan		Instructor	Mathematics	MS	Missouri State University
Ziegler	Carol	Raeleen	Director	Veteran Student Center, Oldham Family	MED	Drury University
Zimmerman	David	M	Associate Professor	Psychology	PHD	City University of New York
Zimmerman	Scott	D	Associate Professor	Biomedical Sciences	PHD	University of Wyoming

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Per Course Faculty
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Last	First	Department	Degree Earned	Awarding Institution	Year	Email
Adler	Aaron	Physical Therapy	Doctor of Physical Therapy	Missouri State University	2011	adler2011@missouristate.edu
Adler	Allison	Physical Therapy	Doctor of Physical Therapy	Missouri State University	2014	chenoweth90@missouristate.edu
Albritton	Stephanie	Information Technology and Cybersecurity	Master of Arts	Baptist Bible Graduate School	2007	stephaniealbritton@missouristate.edu
Aldrich	Donna	Reading, Foundations and Technology	Master of Science in Education	Missouri State University	2008	aldrich680@missouristate.edu
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Allison	Kelly	Reading, Foundations and Technology	Educational Specialist	Missouri State University	1992	kellyallison@missouristate.edu
Ampleman	James	Marketing	Master of Business Administration	University of Central Oklahoma	1997	jamesampleman@missouristate.edu
Appelquist	John	Criminology and Criminal Justice	Juris Doctor	University of Missouri-Columbia	1988	jappelquist@missouristate.edu
Arciniegas	Guillermo	Modern and Classical Language	Bachelor of Science	Missouri State University	2013	Garciniegas@missouristate.edu
Armstrong	Allison	Reading, Foundations and Technology	Educational Specialist	Missouri State University	2017	akarmstrong@missouristate.edu
Armstrong	Barrington	Modern and Classical Language	Master of Arts	Liberty University	2014	barmstrong@missouristate.edu
Athmer	Keith	Information Technology and Cybersecurity	Master of Science	Missouri State University	2015	athmer1960@missouristate.edu
Austin	Jerome	Agriculture, William H. Darr College of	No Degree			jbaustin@missouristate.edu
Baker	Shane	Childhood Education and Family Studies	Master of Science in Education	Arkansas State University-Jonesboro	1986	shanebaker@missouristate.edu
Balasundaram	Megan	Management	Master of Business Administration	Missouri State University	2010	meganbalasundaram@missouristate.edu
Baldwin	Allen	Political Science				abaldwin@missouristate.edu
Baltes	Jennifer	Psychology	Master of Science	Missouri State University	1998	jenniferbaltes@missouristate.edu
Baney	Jon	Communication	Master of Arts	Missouri State University	2014	baney379@missouristate.edu
Barker	Michael	Physical Therapy	Doctor of Medicine	University of Washington	2002	mjbarker@missouristate.edu
Barnes	Jessica	History	Master of Science	Drury University	1977	jessicabarnes@missouristate.edu
Barnett	Helen	Sociology and Anthropology	Master of Arts	Lincoln University	1986	helenbarnett@missouristate.edu
Batchman	Marluce	Modern and Classical Language	Other Bachelors Degree	International Colleges	1995	mbatchman@missouristate.edu
Bateman	James	Information Technology and Cybersecurity	Master of Science	Missouri State University	2016	jamesbateman@missouristate.edu
Beberniss	Kathy	Biomedical Sciences	Master of Science in Education	University of Nebraska-Kearney	1982	ksbeberniss@missouristate.edu

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Bell	Josh	Sports Medicine and Athletic Training	Master of Science	Missouri State University	2016	bell720@live.missouristate.edu
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Bennett	Susan	Theatre and Dance	Master of Fine Arts	Lindenwood University	1987	susanbennett@missouristate.edu
Bergant	Amy	Modern and Classical Language	Master of Arts	University of Missouri-Columbia	2011	amy969@missouristate.edu
Berman	Ilan	Defense and Strategic Studies	Juris Doctor	American University	2000	ilanberman@missouristate.edu
Bihlmeyer	James	Media Journalism & Film	Master of Fine Arts	Ohio University	1987	jaimebihlmeyer@missouristate.edu
Bishop-Hopper	Andrea	Psychology	Master of Science	Missouri State University	2009	bishophopper732@missouristate.edu
Black	Angela	Theatre and Dance				anblack@missouristate.edu
Blackwell	Taylor	Information Technology and Cybersecurity				taylorblackwell@missouristate.edu
Blanchard	Nicole	Communication Sciences and Disorders	Master of Science	Missouri State University	2015	nicoleblanchard@missouristate.edu
Bodenstein	Amanda	History	Master of Arts	Missouri State University	2011	amanda0924@missouristate.edu
Borich	Michael	Media Journalism & Film	Master of Fine Arts	University of California-Irvine	1979	mborich@missouristate.edu
Bortosky	Rachel	Biology	Master of Science	Missouri State University	2014	bortosky1440@missouristate.edu
Botsford	Diana	Media Journalism & Film	Master of Arts	Seton Hill University	2006	dbotsford@missouristate.edu
Bowden	Dennis	Defense and Strategic Studies	Master of Arts	Indiana University-Bloomington	1985	dennisjbowden@missouristate.edu
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Bowman	Sarah	Biomedical Sciences	Master of Science in Education	Missouri State University	2016	sarahbowman@missouristate.edu
Brannon	Jeffery	Computer Science	Master of Science	Western Kentucky University	2004	jbrannon@missouristate.edu
Brasier	Jason	Media Journalism & Film	Bachelor of Science	Missouri State University	2009	jasonbrasier@missouristate.edu
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Brocaille	Nicole	Psychology	Master of Science	Missouri State University	2013	mardirosian21@missouristate.edu
Bronson	Lisa	Defense and Strategic Studies	Juris Doctor	Cornell University	1982	lbronson@missouristate.edu
Brooks	Sherri	Mathematics	Masters in Curriculum and Instruction	Drury University	1991	brooks6209@missouristate.edu
Brown	Bryan	Communication	Doctor of Philosophy	Southern Illionois University-Carbondale	2014	bryanbrown@missouristate.edu
Brown	Erin	International Services	Master of Arts	University of Hawaii Manoa	2008	ebrown@missouristate.edu
Brown	Gina	Childhood Education and Family Studies	Master of Science in Education	Missouri State University	2011	ginabrown@missouristate.edu
Brown	Lucas	Childhood Education and Family Studies	Master of Science in Education	Missouri State University	2016	lucasbrown@missouristate.edu

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Brunner	Judy	Reading, Foundations and Technology	Specialist in Education	Missouri State University	1990	judybrunner@missouristate.edu
Bryant	Emery	Kinesiology	Bachelor of Science	Missouri State University	2002	emerybryant@missouristate.edu
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Buening	Caitlin	Physical Therapy	Doctor of Physical Therapy	A.T. Still University	2016	cbuening@missouristate.edu
Buergler	Melanie	Psychology	Master of Science	Missouri State University	2003	melaniefischer@missouristate.edu
Bunton	Molly	Graduate College	Master of Science	Missouri State University	2013	bunton212@missouristate.edu
Burton	Kathleen	Reading, Foundations and Technology	Master of Education	Evangel University	2001	kburton@missouristate.edu
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Butcher	Darla	Counseling, Leadership and Special Education	Master of Science in Education	Missouri State University	2015	butcher2@missouristate.edu
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Call	Anna	Communication Sciences and Disorders	Master of Science	Missouri State University	2013	anna08@missouristate.edu
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Choate	Lenetta	Psychology	Master of Arts	Southern Connecticut State University	1998	lenettachoate@missouristate.edu
Christell	Todd	Information Technology and Cybersecurity	Master of Business Administration	Missouri State University	2011	todd000@missouristate.edu

Missouri State University
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Coffey	Lynn	Information Technology and Cybersecurity	Master of Science in Education	Missouri State University	1996	lynncoffey@missouristate.edu
Coker	Calvin	Communication	Master of Arts	Missouri State University	2014	calvincoker@missouristate.edu
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Collins	Daisy	Reading, Foundations and Technology	Doctorate in Education	University of Missouri-Columbia	2016	daisybcollins@missouristate.edu
Condict	Glenda	Reading, Foundations and Technology	Specialist in Education	Missouri State University	2005	glendacondict@missouristate.edu
Cook	Heather	English	Master of Arts	Missouri State University	2012	heather626@live.missouristate.edu
Cornelius-White	Cecily	Psychology	Doctor of Psychology	Argosy University-Chicago	1996	cfcorneliuswhite@missouristate.edu
Craycroft	Robin	Counseling, Leadership and Special Education	Bachelor of Science	University of La Verne	2003	craycroft7@missouristate.edu
Crosby	Shannon	Biomedical Sciences	Master of Public Administration	Missouri State University	2007	scrosby@missouristate.edu
Crowder	Tony	Psychology	Master of Science	Missouri State University	2018	crowder001@live.missouristate.edu
Daehn	James	Computer Science	Master of Science	Siena College	1994	jdaehn@missouristate.edu
Dalbom	Clinton	Agriculture, William H. Darr College of	Master of Science	Missouri State University	2016	cjdalbom@missouristate.edu
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Dalton	Rebecca	Psychology	Master of Science	Missouri State University	2015	dalton211@missouristate.edu
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Datema	Mary	Childhood Education and Family Studies	Master of Science in Education	Missouri State University	1992	marydatema@missouristate.edu
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Deringer	Thomas	Communication	Master of Science	Missouri State University	2013	thomasderinger@missouristate.edu
Dibble	Laurel	Media Journalism & Film	Master of Fine Arts	University of Southern California	2003	ldibble@missouristate.edu
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Dodge	Michala	Defense and Strategic Studies	Master of Science	Missouri State University	2011	michaeladodge@missouristate.edu
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Scheele	Robert	Information Technology and Cybersecurity	Master of Science	Missouri State University	2003	mscheele@missouristate.edu
Schmitt	Vicki	Reading, Foundations and Technology	Doctor of Philosophy	University of Kansas	2007	vickischmitt@missouristate.edu
Schneider	Steven	Agriculture, William H. Darr College of	Master of Education	University TX Pan American	2006	stevenschneider@missouristate.edu
Schroeder	Amy	Reading, Foundations and Technology	Master of Science in Education	Missouri State University	2006	amyschroeder@missouristate.edu
Schwendinger	Kate	Social Work, School of	Master of Social Work	Missouri State University	2009	kate1974@missouristate.edu
Seal	Stephen	Reading, Foundations and Technology	Specialist in Education	Missouri State University	1981	sseal@missouristate.edu
Senter	Pamela	Art and Design	Master of Fine Arts	University of Missouri-Columbia	1994	psenter@missouristate.edu
Sheets-McKeag	Sarah	Art and Design	Master of Fine Arts	University of Iowa	1989	ssheetsmckeag@missouristate.edu
Shepherd	James	Agriculture, William H. Darr College of	Master of Ed Administration	William Woods University	2004	jamesshepherd@missouristate.edu
Shirley	Darin	Communication Sciences and Disorders	Master of Science	Missouri State University	2014	darin.shirley@missouristate.edu

Missouri State University
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(as of September 26, 2019)

Shriver	Jayson	Agriculture, William H. Darr College of	Master of Science	Missouri State University	2017	jshriver@missouristate.edu
Sims-Giddens	Susan	Nursing, School of	Doctorate in Education	Northern Arizona University	2000	susansims-giddens@missouristate.edu
Skibiski	Kevin	Physics, Astronomy and Materials Science	Master of Science	Missouri University of Science and Technology	1976	kevinskibiski@missouristate.edu
Slinkard	Christopher	Accountancy, School of	Master of Science	Missouri State University	2012	chrisslinkard@missouristate.edu
Slone	Allison	Communication Sciences and Disorders	Master of Science	Missouri State University	2010	allison243@missouristate.edu
Sly	James	Psychology	Master of Science	Missouri State University	2014	jimsly@missouristate.edu
Smillie	Donald	Graduate College	Master of Science	Missouri State University	2001	smillie848@missouristate.edu
Smith	Brianne	Counseling, Leadership and Special Education	Master of Arts	University of Northern Colorado	2014	briannesmith@missouristate.edu
Smith	Meghan	English	Master of Arts	Missouri State University	2017	klein12@live.missouristate.edu
Smith	Sean	Technology and Construction Management	Master of Science	Missouri State University	2012	seanmsmith@missouristate.edu
Smith	Susan	Political Science	Master of Public Administration	Missouri State University	2002	susanasmith@missouristate.edu
Snider	Philip	Religious Studies	Doctor of Divinity	University of Chicago	2009	philsnider@missouristate.edu
Spitko	Cynthia	Theatre and Dance	Master of Fine Arts	University of Alabama	2019	cspitko@missouristate.edu
Squires	Susan	Counseling, Leadership and Special Education	Master of Education	Drury University	1982	ssquires@missouristate.edu
Srivastava	Kumkum	Modern and Classical Language	Doctor of Philosophy	Ambedkar University	2005	kumkum541@live.missouristate.edu
St Pierre	Laurine	Music	Doctor of Musical Arts	University of Missouri-Columbia	1999	gracestpierre@missouristate.edu
Stacy	Clay	Social Work, School of	Master of Social Work	Missouri State University	2017	cstacy@missouristate.edu
Stacy	William	Music	Doctor of Musical Arts	University of Colorado-Boulder	1972	wstacy@missouristate.edu
Starnes	David	Theatre and Dance	Master of Arts	Missouri State University	2011	loganstarnes@missouristate.edu
Starnes	Kara	Communication	Master of Arts	Missouri State University	2017	kstarnes@missouristate.edu
Steiger	Julie	Reading, Foundations and Technology	Master of Science	Missouri State University	1988	jsteiger@missouristate.edu
Steiro	Dustin	Technology and Construction Management	Master of Science	Missouri State University	2018	steiro008@live.missouristate.edu
Stockburger	David	Psychology	Doctor of Philosophy	Ohio State University,The	1975	dstockburger@missouristate.edu
Stotsbery	Lawrence	Music	Master of Music	Converse College	1996	lstotsbery@missouristate.edu
Stout	Kristen	Communication	Master of Arts	Missouri State University	2012	kristenstout@missouristate.edu
Strickler	John	Music	Master of Music	University of North Texas	1998	johnastrickler@missouristate.edu
Stubbs	Sue	Music	Master of Music	University of Missouri-Columbia	1984	suestubbs@missouristate.edu

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Stulce	Brad	Kinesiology	Master of Business Administration	Webster University	2014	bradstulce@missouristate.edu
Sumler	James	Childhood Education and Family Studies	Master of Science in Education	Arkansas State University-Jonesboro	2012	aaronsumler@missouristate.edu
Sutherland	Kelly	Childhood Education and Family Studies	Doctorate in Education	Lindenwood University	2009	ksutherland@missouristate.edu
Sutliff	Jackson	English	Master of Arts	Missouri State University	2011	jackson37@live.missouristate.edu
Sutliff	Jennifer	English	Master of Arts	Missouri State University	2015	jennifer082@live.missouristate.edu
Sutton	Kim	Childhood Education and Family Studies	Master of Education	William Woods University	2005	kimsutton@missouristate.edu
Taylor	Amanda	Music	Master of Music	Webster University	1991	actaylor@missouristate.edu
Taylor	Kerra	Art and Design	Master of Fine Arts	Southern Illionois University-Carbondale	2016	kerra444@missouristate.edu
Temple	Renee	Kinesiology	Bachelor of Science	Missouri State University	1988	rtemple@missouristate.edu
Terry	Sean	Geography, Geology and Planning	Master of Science	Missouri State University	1991	sterry@missouristate.edu
Tibbs	Christine	Nursing, School of	Master of Arts	Missouri State University	2011	christinetibbs@missouristate.edu
Trachtenberg	David	Defense and Strategic Studies	Master of Science	Georgetown University	1980	djtrachtenberg@missouristate.edu
Tsahiridis	Peter	History	Master of Science	American Public University Sys	2009	ptsahiridis@missouristate.edu
Tucker	Timothy	Geography, Geology and Planning	Master of Science in Education	Missouri State University	2005	ttucker@missouristate.edu
Tyree	Ashley	Reading, Foundations and Technology	Doctorate in Education	Lindenwood University	2015	ashleytyree@missouristate.edu
Umbarger	Annesha	Criminology and Criminal Justice	Master of Science	Missouri State University	2016	aumbarger@missouristate.edu
Utley	Rose	Nursing, School of	Doctor of Philosophy	Wayne State University	1997	roseutley@missouristate.edu
VanArsdale	Ernest	Information Technology and Cybersecurity	Master of Arts	Assemblies of God Seminary	2010	evanarsdale@missouristate.edu
Varava	Kira	Communication	Doctor of Philosophy	University of Illinois-Urbana	2016	kvarava@missouristate.edu
Vera	Lauren	Psychology	Doctor of Philosophy	Sam Houston State University	2017	lvera@missouristate.edu
Wagler	Justin	Art and Design	Bachelor of Fine Arts	Missouri State University	2010	wagler214@missouristate.edu
Walker	Amy	Modern and Classical Language	Specialist in Education	University of Missouri-Columbia	2015	amywalker@missouristate.edu
Walker	Kristen	Music	Master of Music	Missouri State University	2015	kristenwalker@missouristate.edu
Wallace	J Dane	Modern and Classical Language	Master of Arts	Missouri State University	2006	danewallace@missouristate.edu
Wallenburg	Roger	Finance and General Business	Master of Business Administration	Missouri State University	2003	ragerwallenburg@missouristate.edu
Wan	Stephanie	Psychology	Juris Doctor	University of Missouri-Columbia	2006	stephaniewan@missouristate.edu

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Waters	Teresa	Childhood Education and Family Studies	Master of Science in Education	Missouri State University	2008	teresawaters@missouristate.edu
Weimer	Rebecca	Management	Master of Science	Missouri State University	2000	aliceweimer@missouristate.edu
Weiss	Kirsten	Music	Master of Music	DePaul University	2016	kweiss@missouristate.edu
Wells	Jeffrey	Technology and Construction Management	Master of Science	Kansas State University	2005	jwells@missouristate.edu
Westerwald	Greta	Modern and Classical Language	Master of Arts	University of Missouri	2013	gretawesterwald@missouristate.edu
Westphal	Leonard	Communication	Master of Arts	Missouri State University	1972	wwestphal@missouristate.edu
Westpheling	Devon	Psychology	Master of Science	Missouri State University	2018	devon84@live.missouristate.edu
Wiles	Mike	Agriculture, William H. Darr College of	Bachelor of Science	Missouri State University	1980	mikewiles@missouristate.edu
Williams	Douglas	Communication Sciences and Disorders	Master of Public Administration	Gallaudet University	2016	douglas249@live.missouristate.edu
Williams	James	Music	Doctor of Musical Arts	University of Missouri-Kansas City	2014	jkwilliams@missouristate.edu
Williams	Kirby	Psychology	Master of Science	Missouri State University	2018	kirbywilliams@missouristate.edu
Williams	Paul	Criminology and Criminal Justice	Master of Science	Northeastern State University	1986	paulwilliams@missouristate.edu
Wingfield	Carly	Music	Master of Music	Missouri State University	2019	carlywingfield@missouristate.edu
Wixson	Bobbi	Agriculture, William H. Darr College of	Master of Arts	Webster University	2018	brwixson@missouristate.edu
Wood	Kimberly	Biomedical Sciences	Bachelor of Social Work	Missouri State University	1992	kimberlywood@missouristate.edu
Yu	Hae Min	Childhood Education and Family Studies	Doctorate in Education	Columbia University-Columbia College	2013	haeminyu@missouristate.edu
Yurczyk	Alana	Theatre and Dance	Master of Fine Arts	Indiana University	2018	akyurczyk@missouristate.edu
Zinselmeier	Daniel	Accountancy, School of	Master of Accountancy	Missouri State University	2006	dzinselmeier@missouristate.edu

Missouri State

Glossary of Terms

This reference guide is designed to assist in defining terms frequently used at Missouri State University and in the Undergraduate Catalog.

Academic Advisor A University employee who is committed to helping students meet their educational goals and to make informed and responsible decisions.

Academic Year Begins in August with the fall Intersession, continues through the spring semester, and concludes with the summer session.

Accelerated graduate program option that allows eligible juniors and seniors to take a limited number of graduate-level courses that count towards both their undergraduate and graduate degree thereby reducing the time it takes to complete a graduate degree.

Alumni Individuals who have attended or graduated from a particular college or university.

Admission to Degree Program A process required of students who have a major with specific admission requirements.

Auditing a Class A grading option that allows completion of a course without receiving credit or a traditional grade. An audited course cannot be used to fulfill a degree requirement.

BearPass Card Student's official University identification card.

Block Classes meets for only the first or second half of the term (semester).

Board of Governors Governing body for Missouri State University appointed by the Governor of Missouri.

Boomer University mascot

Catalog University's official publication of academic policies and procedures, programs of study, and course offerings for a particular academic year.

Certificate Document representing that the student has completed a University Certificate.

Change of Schedule Period First five days of the fall and spring semester and first two days of summer session in which students can add and drop classes.

Class Schedule An online listing of courses offered for a specific term.

College Group of academic departments and/or programs administered by a college dean.

College Level Examinations Program (CLEP) Program that allows students to receive credit by examination instead of completing a course.

Commencement Ceremony held at the end of the fall and spring semesters to recognize candidates for graduation.

Comprehensive Major A BA or BS major that includes both a primary and secondary area of study and, therefore, does not require completion of a minor.

Core Courses Group of foundation courses required by a college, department, or specific major.

Corequisite Two or more courses that must be taken during the same semester.

Credit by Examination Method of earning academic credit outside of traditional course offerings.

Credit Hour Standard unit of measuring coursework. The unit of credit used at Missouri State is the semester hour.

Cross-Listed Courses Two or more different courses taught in the same room, at the same time, with the same instructor. Students may receive credit toward graduation for only one.

Dean (academic) Highest administrative officer of a college.

Dean's List Published list of students who have achieved a specific level of achievement established by the University. The list is published at the conclusion of each semester and Summer Session.

Declaring a Major/Minor indicates that student wishes to pursue a particular major and/or minor. Many majors have specific admission requirements.

Degree Audit Advising tool designed to assist in tracking a student's progress towards graduation.

Department Head Administrative officer holding faculty rank; responsible for a primary unit within an academic organization.

Diploma Document provided by the University certifying that the student has earned a degree.

Dual Enrollment Typically refers to high school students who are receiving high school credit while also being enrolled in college-level credit. This term can also refer to students who are concurrently enrolled in two or more higher education institutions.

Enrollment Status Terms used for reporting a student's academic load to external agencies. (i.e., full-time, half-time, less than half-time)

Exit Exam Required for all bachelor degree graduates for assessment purposes.

Good Standing Academic status of students who are not on probation or under suspension.

General Education Program Group of foundation courses required of undergraduate students regardless of the student's major.

Grade Point Numerical value given to grades. For example, four grade points per credit hour is awarded for a grade of "A".

Grade Point Average (GPA) Calculation derived from dividing the grade points earned by the number of credits attempted.

Hold Block which prohibits students from functions such as registering for courses or receiving a transcript or diploma. Most holds are due to an unpaid financial obligation, or failure to complete a required process.

Honors, Scholastic Designation indicated on the graduates' diploma and transcript that reflects outstanding scholarship.

Honors College Program Designed to serve the needs of academically talented, high-achieving students accepted into the Honors College Program.

Identical Courses Those courses identified by multiple course codes and/or numbers that are taught in the same classroom, at the same time, and by the same instructor. Student may only receive credit toward graduation for one.

Incomplete Grade Assigned when a student has not completed all work for a course and the instructor agrees to allow additional time for completion of the course.

Internship Work at a business or agency related to a student's major and/or career plans for which credit hours are awarded.

Intersession Brief period (typically 1-3 weeks) between semesters when a limited number of courses are offered.

Lower Division Undergraduate courses numbered lower than 300.

Major Collection of courses and requirements that is designated as the student's primary area of specialization. Appears on the student's diploma and transcript.

Minor Collection of courses indicating additional specialization in an area of study beyond the major. Minors do not appear on the student's diploma but are listed on the student's transcript.

Mixed Credit Courses that are part of an accelerated graduate program in which students can receive both graduate and undergraduate credit.

My Missouri State Web-based system that provides access to personal student information, email, blackboard, online registration, and much

more. A BearPass account is required to access the system.

Non-Comprehensive Major One that requires completion of a minor in order meet graduation requirements.

Non-resident Student who does not meet requirements for classification as a Missouri resident for fee purposes in accordance with the residence policy.

Non-traditional student Includes evening students, married students, students with children, and students of 22 years of age or older.

Option Sub-set of courses within the major that represent a specialized area of study. Officially approved options appear on the transcript but are not printed on the diploma.

Overload Semester credit hours that exceed the maximum number of hours permitted based on the student level (undergraduate or graduate). Permission is required for an overload.

Parallel (undergraduate and graduate level) courses those courses that have both an undergraduate and graduate version (example: ACC 504 and ACC 604). Students who enroll in either course meet in the same room at the same time with the same instructor. The graduate level version of the course must require coursework appropriate for graduate credit. Parallel courses are identified in the semester class schedule as "cross-listed" courses.

Pass/Not Pass Grading option that allows students to pursue coursework without affecting their GPA.

PIE (Partners in Education) Program designed to facilitate communication between first-year students and their families. Through written consent of the student, members will have increased access to their student's information.

Postbaccalaureate Nondegree seeking student who has earned a bachelor's degree and wishes to take additional courses but not pursue an additional undergraduate degree or a graduate degree.

Prerequisite Specific requirements that must be met prior to enrolling in a given class. Prerequisites may consist of courses, test scores, or enrollment in a specific program of study.

Probation Status that indicates unsatisfactory academic progress. Students may be subject to academic load limitations and other restrictions.

Program of Study All requirements that a student must complete in order to be awarded a degree or University certificate.

Readmission Admission process followed by a student who wishes to enroll after not taking classes for one full calendar year.

Registration Restriction A type of prerequisite that requires student be in a specific program of study in order to take the class

Reinstatement Process by which a suspended student appeals to return to the university.

Semester Instructional period of 15 weeks plus a final examination period offered twice a year (referred to as *Fall* and *Spring* semester). Additional instructional periods include intersessions and a summer session.

Senior Permission Allows students to take graduate coursework while still classified as an undergraduate. Permission is required.

Service Learning Program which allows students to earn academic credit in selected courses in exchange for meaningful and productive community service.

SOAR (Student Orientation, Advisement, and Registration) Program, a day and a half in length, designed to assist students and their families in making a successful transition to university life.

Student Services Fees Required fees assessed at the time of registration that cover the student's access to a variety of services, programs, and activities.

Suspension Status that prevents a student from enrolling in courses unless an exception is granted by the dean of the student's major.

Syllabus Document describing the objectives, outcomes, assessment activities, and structure of a course that is made available to students during the first week of classes.

Term Another name for a semester or summer session.

Transcript Serves as the student's official academic record and the University's official record of credit and degrees awarded, including the

Transcript Serves as the student's official academic record and the University's official record of credit and degrees awarded, including the courses taken by a student and the grades received in each course. Probations, suspensions, and disciplinary expulsions also appear on the transcript.

Transfer Credit Courses taken at another accredited institution and accepted toward degree requirements at Missouri State.

Transfer Student Student who has completed 24 or more transferable credit hours *after* high school graduation.

Tuition The amount of money that must be paid for classes. Other fees may be assessed in addition to tuition.

Upper Division Undergraduate courses numbered 300 and above.

"W" Grade Indicates student withdrew from (dropped) a class without academic penalty.

MAKE YOUR MISSOURI STATEMENT.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Selected University Policies

- Disability Accommodation Policy for Students
- Email Communications
- Equal Opportunity and Affirmative Action
- FERPA/Confidentiality of Student Education Records
- Student Rights and Responsibilities

View the entire University Policy Library

MAKE YOUR MISSOURI STATEMENT.

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Missouri State

Office of the Registrar

Detailed Tuition and Fees

2019-20 required student fees

Required Student Fees are a combination of Tuition and Student Services Fees. Additional enrollment fees are charged for certain classes.

Tuition for regular instruction (per credit hour)*

Course Level or Type *(includes blended courses†)*	**Missouri Resident**	**Non-Missouri Resident**
Courses numbered 1-599	$218.00	$495.00
Courses numbered 600-999 (not listed below)	$289.00	$582.00
McQueary College of Health and Human Services - ANE courses numbered 700-899	$314.00	$314.00
McQueary College of Health and Human Services • ATC courses numbered 600-799 • BMS courses numbered 600-799 • CSD courses numbered 600-999 • DTN courses numbered 700-799 • NUR courses numbered 700-999 • OTE courses numbered 600-799 • PAS courses numbered 600-799 • PTE courses numbered 700-899	$319.00	$612.00

*See Funding Contingencies below.

†Blended courses are those that integrate online and traditional face to face activities. They are assessed at the regular instruction rate and are assessed Student Services Fees. Such courses are identified with an instructional method of "blended" in the class schedule.

Tuition for Internet based instruction (per credit hour)

Course Level or Type *(does not include blended courses†)*	**Missouri Resident**	**Non-Missouri Resident**
Internet based instruction except courses listed below	$295.00	$295.00
McQueary College of Health and Human Services - ANE courses numbered 700-899	$320.00	$320.00

Course Level or Type ***(does not include blended courses†)***	**Missouri Resident**	**Non-Missouri Resident**
McQueary College of Health and Human Services • ATC courses numbered 600-799 • BMS courses numbered 600-799 • CSD courses numbered 600-999 • DTN courses numbered 700-799 • NUR courses numbered 700-999 • OTE courses numbered 600-799 • PAS courses numbered 600-799 • PTE courses numbered 700-899	$325.00	$325.00
Master of Science in Computer Information Systems: CIS 732, 734, 736, 738, 740, 742, 744, 746, 747, 748, 750, 752, 754, 756, 765, 775 Courses specifically listed in the Graduate Catalog as applicable to the program requirements for the Master of Science in Computer Information Systems programs will be assessed at the Master of Science in Computer Information Systems rate when taken for degree credit in the Master of Science in Computer Information Systems program, but will not be assessed the graduate-level College of Business Additional Per Credit Hour fee.	$500.00	$500.00

†Blended courses are those that integrate online and traditional face to face activities. They are assessed at the regular instruction rate and are assessed Student Services Fees. Such courses are identified with an instructional method of "blended" in the class schedule.

Tuition for courses offered at BearNet locations other than Springfield including ITV instruction (per credit hour)

Course Level or Type	**Missouri Resident**	**Non-Missouri Resident**
Courses numbered 1-599	$218.00	$218.00
Courses numbered 600-999	$289.00	$289.00
EDD courses numbered 900-999	based on University of Missouri-Columbia rate	

Tuition for courses offered via Web Conference (per credit hour)

Course Level or Type	**Missouri Resident**	**Non-Missouri Resident**
Courses numbered 1-599	$218.00	$218.00
Courses numbered 600-999	$289.00	$289.00
EDD courses numbered 900-999	based on University of Missouri-Columbia rate	

Exceptions to the above

Per credit hour

Course Level or Type	**Missouri Resident**	**Non-Missouri Resident**

Course Level or Type	Missouri Resident	Non-Missouri Resident
High School Dual Credit	$70.00	$70.00

AGE 728 and AGE 738	$175.00	$175.00
eMINTS (Enhancing Missouri's Instructional Networked Teaching Strategies)	$100.00	$100.00
R-12 enrollees in SFR 791/Step-Up	$45.00	$45.00
EDD (Educational Leadership) 900-level courses are based on University of Missouri-Columbia per credit hour fee		
EGR (cooperative Engineering program) 100, 200, 201, 300, 301, 400, 401, 500, 501 are based on Missouri University of Science and Technology rates		
For Study Away courses or exchanges administered by MSU, tuition will be assessed at the Missouri resident rate for both residents and non-residents. This does not apply to students registered in courses administered by affiliate program providers. Additional program fees will be assessed.		

Flat fee in place of per credit hour

Course Level or Type	Missouri Resident	Non-Missouri Resident
GEN 598 and GEN 798, Active in Research	$75.00 flat fee	$75.00 flat fee
MIL 225 and MIL 325, Military Science Practicum	$150.00 flat fee	$150.00 flat fee
MS to DNAP courses, Sections 895‡ ‡For students admitted into the MS to DNAP completion program (coded NAPM-DNAP) Summer 2017 or later, tuition and fees will be assessed at the Flat Fee rate of $2,700 for each three-credit course ($900 per credit hour).	$2,700.00 flat fee	$2,700.00 flat fee

Student Services Fees

Student Services Fees are assessed in addition to tuition and are based on the total credit hours for which a student enrolls, **excluding** the credit hours associated with the following sections identified as:

- Intersession, iCourse, and Internet
- Sections taught in any location other than the Springfield campus
- Sections scheduled to meet on the Springfield campus fewer than four times

Fall 2019 and Spring 2020§

Credit Hours	
1-hour load	$182.00
2-hour load	$233.00
3-hour load	$283.00
4-hour load	$333.00
5-hour load	$382.00
6-hour load	$433.00
7 or more-hour load	$524.00

Summer 2020

Credit Hours	
1-hour load	$119.00
2-hour load	$162.00
3-hour load	$206.00
4 or more-hour load	$251.00

Additional information regarding Student Service Fees is available.

[§]See Funding Contingencies below.

Other Enrollment Fees (per credit hour)

These enrollment Fees will not be assessed for sections identified as High School Dual Credit, but will be assessed for online courses.

Course Level or Type	Missouri Resident	Non-Missouri Resident
College of Arts and Letters - Media, Journalism & Film Production-Intensive Courses: • JRN 384, 388, 478, 481, 493, 592 • MED 130, 290, 361, 365, 382, 383, 390, 461, 462, 465, 466, 472, 490, 493, 498, 561, 562, 583, 762, 793	$25.00	$25.00
College of Arts and Letters - Music courses numbered 000-799 **except:** • MUS 107, 108, 149, 151, 152, 153, 155, 156, 157, 158, 159, 160 • MUS 207, 208, 249, 251, 252, 253, 255, 256, 257, 258, 259, 260, 298 • MUS 307, 308, 349, 351, 352, 353, 355, 356, 357, 358, 359, 360, 398 • MUS 407, 449, 451, 452, 453, 455, 456, 457, 458, 459, 460, 488, 494, 496, 498, 499 • MUS 649, 651, 652, 653, 655, 656, 657, 660, 749, 751, 752, 753, 755, 756, 757, 760, 798	$15.00	$15.00
College of Arts and Letters - Art, Design, and Museum Studies courses numbered 000-799 **except:** • ART 360, 366, 374, 377, 378, 381, 382, 385, 386, 387, 388, 390, 399 • ART 401, 407, 469, 472, 474, 475, 478, 479, 480, 483, 484, 485, 490, 491, 492, 494, 495, 496, 497, 598 • ART 672, 675, 678, 680, 684, 685, 692, 698, 760, 783, 794, 795 • MST 495, 501	$25.00	$25.00
College of Business undergraduate-level courses numbered 200-599	$40.00	$40.00
College of Business graduate-level courses; ACC and CIS courses numbered 601-799 BUS, FIN, LAW, MGT, MKT, QBA, RMI, TCM courses numbered 600-799	$45.00	$45.00
College of Natural and Applied Sciences undergraduate-level courses; AST, BIO, CHM, CSC, GEO, GLG, GRY, HSP, MAT, MTH, PHY, PLN, and SCI Courses numbered 000-199 (**except** MTH 101, MTH 103, and MTH 107)	$15.00	$15.00
College of Natural and Applied Sciences undergraduate-level courses; AST, BIO, CHM, CSC, GEO, GLG, GRY, HSP, MAT, MTH, PHY, PLN, and SCI Courses numbered 200-599 (**except** MTH 493, MTH 494, MTH496, SCI 493, SCI 494, SCI 499)	$30.00	$30.00

Funding Contingencies

The Board of Governors approved a tuition of $223.00 per credit hour for regular instruction for Missouri resident, undergraduate students and a student services fee of $530.00 for students taking 7 or more credit hours in the fall and spring semesters. Missouri State will waive collecting $5.00 of the approved $223.00 tuition and $6.00 of the approved $530.00 student services fee.

For comprehensive fee information, refer to the 2019-2020 Fee Schedule, approved by the Board of Governors. All tuition and fees are subject to revision without notice.

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Last Modified: July 30, 2019

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Missouri State

Academic Policies and University Requirements

Academic policies

In addition to satisfying all degree requirements below, students should be familiar with the University's Academic Policies and Procedures. These policies may change from year to year and such changes apply to *all* future, current, continuing, and returning students. Students are encouraged to consult with their academic advisor or the Office of the Registrar if they have questions regarding an academic policy.

All Missouri State University policies regarding courses, programs, program accreditation, academic regulations and degree requirements are applicable regardless of delivery method or location.

Components of a degree program

A. The General Education Program is that portion of the curriculum in which the university addresses the knowledge, abilities, skills, habits, and dispositions of educated persons.
B. A major is the student's primary area of specialization. Many majors have options which are sub-sets of courses within the major that represent an even more specialized area of study. Students who select a major with options must choose from one of the options (i.e., options are not optional.)
C. A minor is the student's secondary area of specialization. Minors are required for all non-comprehensive majors offered under the Bachelor of Arts and Bachelor of Science degrees and are optional for all other degrees.
D. The General Baccalaureate Policies and Degree Requirements include such requirements as catalog of graduation policy, total hours, upper division, GPA, and residence requirements.
E. All Bachelor of Arts degree candidates must complete a 27-hour core of courses.
F. All Bachelor of Science in Education and Bachelor of Music Education degree candidates must satisfy all Teacher Education Program requirements.

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Missouri State

Office of the Registrar
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Academic Policies and Procedures

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Academic Integrity Procedures Summary

Op3.02 Academic Integrity Procedures Summary

1. Instructor / Student Discussion: Ideally in the first step, the instructor and student meet face-to-face as soon as possible to discuss the apparent violation of the AI policy. In this, the instructor presents the student with allegation of academic dishonesty and any evidence supporting that allegation, and informs the student of intended sanction(s), consistent with those specified in the course syllabus. The student presents evidence of his/her innocence. [*GO TO #2*]

***Special Case: Student Not Associated With Enrollment in a Course:** Any incident of alleged academic dishonesty by a student not enrolled in a particular course should be reported directly to the Academic Integrity Council (AIC) Chair. [*GO TO #4*]

2A. No AI Violation Occurred: If, after this meeting, the instructor believes that no violation had occurred, the allegation(s) will be dropped. The case ends here. [*STOP*]

OR

2B. Violation of the AI Policy has Occurred: If the instructor still believes that the AI policy has been violated by the student, he/she must complete the violation-reporting form (available on the Academic Integrity website) which provides the student with a written summary of the alleged incident and the intended sanction(s). Copies are sent to the instructor's Department Head, the AIC Chair, and the Office of the Provost to be maintained as part of AIC records.

The student has one week from the receipt of this letter (form) in which to notify the Department Head if he/she plans to appeal the instructor's accusation/sanction.

When a report of academic dishonesty is filed with the AIC, the student will receive another letter, copied to the instructor and the Department Head. This letter will verify that a report has been received from the instructor and indicate how it will be used, affirm the confidentiality of the report, reiterate the student's right to appeal, and recommend that the student review the university's AI policy. [*GO TO #3*]

3A. No appeal to the Department Head: Records are maintained, and the sanction(s) indicated by the instructor is(are) enforced. [*STOP*]

OR

3B. Appeal to Department Head: Upon receipt of the student's written appeal, the Department Head will meet separately with the student and the instructor. The Department Head must notify the instructor and the student in writing of his/her decision, and must inform the instructor and the student that **either** may appeal the Department Head's decision (in writing) to the AIC Chair within fifteen (15) academic days (days when classes are in session) from the date of the Department Head's letter. The Department Head must send a detailed report of his/her decision along with pertinent documents to the AIC Chair and the Office of the Provost. [*GO TO #4*]

4A. No appeal to the Academic Integrity Council: Records are maintained, and the sanction(s) indicated by the instructor is(are) enforced. [*STOP*]

OR

4B. Appeal to the Academic Integrity Council: The Chair of the AIC will assemble a five-member panel of faculty and student members of the Council to hear the appeal, and will notify the student, the instructor, and the Department Head in writing fifteen (15) academic days prior to the proceeding (whenever possible). An Academic Integrity Proceeding is an academic process unique to a community of scholars and is not modeled on criminal or civil legal proceedings; however, a student against whom an allegation has been lodged may be accompanied by an advisor (with prior approval from the AIC Chair). The advisor may be an attorney, but does not address the panel. [*STOP*]

Important note:
No grade-related sanction may be imposed until a student admits misconduct and/or forgoes appeal rights, or is found in violation after a formal proceeding. **The student must be allowed to continue attending the class in which dishonesty has been alleged until the right of appeal has been exhausted**. If an academic integrity matter is pending at the end of a semester, the instructor must assign an Incomplete (I) in the course until the matter is resolved. **A student cannot avoid a failing grade by dropping the course.** The instructor can impose a sanction of "F" or "XF" even if the student drops the class, including drops that occur prior to the no-penalty drop deadline. (See below for further information on this process.)

Reporting academic dishonesty

Anyone who has witnessed an apparent act of student academic dishonesty, or has information that reasonably leads to the conclusion that such an act has occurred or has been attempted, is strongly encouraged to report said act. Acts of apparent academic dishonesty that occur in the classroom may be reported directly to the course instructor, the instructor's Department Head, and/or the instructor's College Dean. Incidences of apparent academic dishonesty may also be reported directly to the Academic Integrity Council by contacting the Chair of the Council at 836-5169. Anonymous reports will not be accepted, but the identity of any person reporting a suspected instance of academic dishonesty will be held in strict confidence.

Academic Integrity records

Academic Integrity records are subject to the Family Educational Rights and Privacy Act (FERPA) and our Policy Regarding Personally Identifiable student Records. Academic Integrity records are maintained in the Office of the Provost.

Sanctions

Possible sanctions available to instructors include (but are not limited to):

- Denying credit on the assignment/exam
- Requiring additional assignments/exams
- Lowering the student's course grade
- Issuing a failing course grade of "F"
- Issuing a failing course grade of "XF," indicating failure due to academic dishonesty
- Completing the AI Policy On-line Tutorial

Course policy statement

The syllabus/course policy statement is very important in determining sanctions that can be imposed. Syllabi may reflect the instructor's personal views and class policies, but syllabi must also be consistent with the university's student *Academic Integrity Policies and Procedures.*

Following is suggested syllabus wording. This recommended wording allows an instructor to impose all sanctions available under the university policy, including the grade of "XF."

"MISSOURI STATE UNIVERSITY IS A COMMUNITY OF SCHOLARS COMMITTED TO DEVELOPING EDUCATED PERSONS WHO ACCEPT THE RESPONSIBILITY TO PRACTICE PERSONAL AND ACADEMIC INTEGRITY.

STUDENTS ARE RESPONSIBLE FOR KNOWING AND FOLLOWING THE UNIVERSITY'S STUDENT ACADEMIC INTEGRITY POLICIES AND PROCEDURES.

THE COMPLETE DOCUMENT IS AVAILABLE AT THE RESERVES DESK IN MEYER LIBRARY. ANY STUDENT PARTICIPATING IN ANY FORM OF ACADEMIC DISHONESTY WILL BE SUBJECT TO SANCTIONS AS DESCRIBED IN

THIS POLICY.

Assigning the “XF” grade

A grade of “XF” cannot be assigned via the on-line grade submission process. To assign a grade of “XF,” the instructor must send a memo stating the intention to assign an “XF” grade to the AIC Chair, and the Office of the Provost with a copy to the Department Head. A memo must also be sent if the instructor wishes to assign an “F” grade to a student who dropped the class before the no-penalty deadline. The Office of the Provost will then notify the Records Office.

Note: After a time period of at least 12 months, a student may petition to the AIC to have the “XF” removed from the transcript and replaced with a grade of “F.” The decision to remove the grade of “XF” and replace it with an “F” shall rest in the discretion and judgment of a majority of the entire AIC, which will undertake a review of the records in the case, and may include additional requirements before granting the petition.

Revoking a grade/degree

If an instructor discovers academic dishonesty after final grades have been assigned and wishes to retroactively impose an “F” or “XF” grade for the course as a sanction, the instructor must send written notification to the AIC, and the Office of the Provost, with a copy to the instructor’s Department Head and Dean; and in the case of a Graduate student, with a copy to the Dean of the Graduate College. This written notice must be received by the AIC within five (5) calendar years. However, alleged academic dishonesty may be reported to the AIC regardless of how much time has passed since the alleged act. If retroactively failing a class due to academic dishonesty means that a graduated student no longer has met the requirements of the degree, the university may revoke said degree. Refer to the student *Academic Integrity Policies and Procedures* for further information.

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Missouri State

Office of the Registrar
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Academic Renewal Policy

Note: If you choose Academic Renewal, you may be ineligible for financial aid. Check with the Financial Aid Office before deciding if Academic Renewal is right for you.

Op3.04-2 Academic Renewal

Academic renewal is designed to permit students with a grade point average deficiency to remove the effects of low grades from their academic record, under the following conditions:

1. This policy applies only to undergraduate students and must be invoked prior to earning a degree at Missouri State or another institution.
2. A student enrolled at Missouri State after an absence of five years or more from college may elect academic renewal. This renewal will affect only those courses taken prior to the five-year absence and may be elected only once in a lifetime.
3. Once elected, academic renewal applies to all courses, whether passed or failed and regardless of origin, taken prior to the date chosen by the student.
4. Academic renewal does not erase the record. The grades received are removed from the GPA with an appropriate notation on the transcript indicating the renewal election. Academic renewal is a policy of Missouri State and as such may not be recognized by outside institutions or agencies.
5. Credit hours subjected to academic renewal cannot be used to meet any requirements (e.g., graduation, prerequisite, or certification).
6. Once elected, academic renewal is irrevocable. Students must consult an academic advisor prior to election of academic renewal. Final approval for all academic renewal applications will be processed by the Office of the Provost.

Procedures

1. Download the Academic Renewal Request form, or obtain form from the Office of Academic Assistance, University Hall 115.
2. Students who have *ever* received GI Bill benefits at *any* institution must obtain the approval and signature of the Missouri State University Veterans Affairs Certifying Official on the form.
3. Take the form to your academic advisor and obtain advisor signature.
4. Take the completed form to the Office of Academic Assistance, University Hall 115, for processing. Upon approval of the Associate Provost, the form will then be forwarded to the Office of the Registrar.

Please contact the Office of Academic Assistance, University Hall 115, 417-836-8346 if you have questions.

Note: If you choose Academic Renewal, you may be ineligible for financial aid. Check with the Financial Aid Office before deciding if Academic Renewal is right for you.

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Missouri State

Academic Status

Op3.04-3 Academic Status

The following policy applies to undergraduate students based on their undergraduate grade point averages (GPA).*

Good standing

A student who has both a cumulative Missouri State **and** a combined (Missouri State and transfer) GPA of at least 2.00 is considered to be in good standing. Students not in good standing will be placed on academic probation or suspension.

Probation

Any student with a cumulative Missouri State **or** a combined GPA of less than 2.00 is on probation unless placed on academic suspension (see below).

The purpose of academic probation is to remind students that the quality of their cumulative academic work is unsatisfactory. Students on probation must have an advisor release prior to registering for classes. Additionally, students on probation may be ineligible for participation in organizations or activities and may be ineligible for financial aid. Students on probation are encouraged to take advantage of the resources offered by the University to ensure their academic success.

Suspension

A student who enters a semester on academic probation and fails to earn a semester GPA of 2.00 or higher will be suspended unless s/he has both a cumulative MSU GPA and a combined (Missouri State and transfer) GPA of 2.00 or higher at the end of the semester. Additionally, a student who earns a semester GPA less than 1.00 and, as a result, has a Missouri State or combined GPA of less than 2.00, will be suspended unless the dean of the college of the student's major determines that there are circumstances which warrant an exception. Individual deans establish the process by which such exceptions will be considered.

After an initial suspension, students must remain out for at least one full semester (not including summer) to be eligible for reinstatement. Students who have been suspended two or more times must remain out for at least one full year prior to being eligible for reinstatement.

Reinstatement

Reinstatement procedures are determined by the deans and the Office of Admissions. Information regarding the procedure is available from the Office of Admissions. Reinstatement is not an automatic process. Students must be approved for reinstatement by the dean of the college under which they plan to return.

**Students whose last semester of attendance was prior to fall 2010 should refer to the catalog in effect for that semester.*

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Missouri State

Office of the Registrar

Procedures for Adding and Dropping Classes (and Withdrawing)

- Adding a class
- Dropping a class
- Additional Procedures for dropping all classes

Procedures for adding a class or changing sections

For students without a registration hold:

Students without any holds that block registration may add a class or make a section change online through the My Missouri State portal or through the Office of the Registrar.

For students with a registration hold:

- Students with any hold that prevents web registration will need to clear the hold with the appropriate office before initial registration can take place. Visit the Hold Codes page to understand how to remove your holds.
- Students with current registration, may make a change of schedule by contacting the Office of the Registrar.

Special circumstances:

- If permission is required as a course prerequisite, that permission must be granted by the department before the class can be added to registration.
- University athletes must process all registrations and change of schedules in the Dr. Mary Jo Wynn Academic Achievement Center.

Changing schedule after schedule change deadline:

After the stated deadline to add/change classes, departmental approval will be required to add a class or change sections of a class. Students must go the department office which offers the class with the Registration/Change of Schedule Form with the proper signature and department stamp, and take the completed form to the Office of the Registrar for processing.

Procedures for dropping a class

The date each drop is completed shall be the date used in determining the refund of fees and the assignment of grades. For exception to drop after the stated deadline to drop a class, refer to the "Exception" section of the Change of Schedule policy.

For students without a registration hold:

Students may withdraw from one or more of their classes online through their My Missouri State portal on the Registration tab or through the Office of the Registrar.

For students with a registration hold:

Students, including athletes, who have a hold that prevents using the web registration system can drop the class or classes by accessing the Holds page in the My Missouri State portal, on the Registration tab.

Important Notes:

Drops are not allowed after the last day to drop deadline for the course. Students may find the specific deadlines for their courses through their My Missouri State portal, on the Registration tab, Refund and Drop Deadlines link.

Students should use the drop procedure judiciously as dropping courses will generally result in extending the time required to complete a degree. In addition, dropping below a full-time or half-time enrollment status may jeopardize insurance, financial aid, scholarship, athletic participation eligibility and immigration status for F-1 or J-1 students.

Students dropping a class because of a concern regarding their grade in a course are encouraged to consult with the instructor prior to dropping a course. Students who are concerned about the impact of dropping a course on their progress toward graduation are encouraged to consult with their academic advisor prior to dropping.

University athletes must process all registrations and change of schedules in the Dr. Mary Jo Wynn Academic Achievement Center.

Additional procedures for dropping *all* classes

Drops are not allowed after the last day to drop deadline for the course. Students may find the specific deadlines for their courses through their My Missouri State portal, on the Registration tab, Refund and Drop Deadlines link. For exception to drop after the stated deadline to drop a class, refer to the "Exception" section of the Change of Schedule policy.

Important information for students who withdraw from all classes during a semester:

Meal Plans: Contact the Dining Services Office regarding their refund policy for meal plans which are independent of a housing contract.

Parking: Parking permits must be returned to the Parking Administration Office by students who wish to receive a refund of the parking permit fee.

Residence Halls: Students living in University housing must terminate their housing contract and vacate their room or apartment within 24 hours of the date of the drop. For information, contact the Office of Residence Life and Services.

Veterans: Recipients of veterans benefits must report drops to the Veteran Student Center.

BearPass Card: Students who have a BearPass Card Debit Account must complete a BearPass Card Debit Account Withdrawal form which is available at the BearPass Card Office. This form will cancel the account and authorize a refund of the account balance.

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Address Change

Procedures for changing address

Download Change of Student Contact Information Form

You need Adobe Reader to view and print documents on this page.

This form is used to request changes to:

- Temporary/Local Address
- Primary Permanent Address
- Emergency Contact Information
- Personal Email Address
- Cell Phone Number

Students may:

- Bring form to the Office of the Registrar, Carrington Hall Room 320. Office hours are Monday, Tuesday, Wednesday and Friday 8 a.m. to 5 p.m. and Thursday from 9 a.m. to 5 p.m.; or
- Fax to 417-836-6334; or
- Mail to Office of the Registrar, Missouri State University, 901 S. National Ave, Springfield, MO 65897; or
- Email scanned form to Registrar@MissouriState.edu from your Missouri State email account

Employees may:

- Bring form to the Office of Human Resources, Carrington Hall 315; or
- Fax to 417-836-6789; or
- Email scanned form to HumanResources@missouristate.edu

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Assessment Program

Op3.04-6 Assessment Program

The assessment program at Missouri State is designed to assist in the development and maintenance of the highest quality programs and services. The information gathered in this process is used by University administrators, department heads, the faculty and staff to evaluate and improve both academic and non-academic offerings. Because the success of this program requires widespread cooperation from the entire university community, it is the policy of Missouri State that all students are expected to participate in the assessment process. This participation may include, but not be limited to: the assessment and evaluation of basic skills, general education, programs in the majors and minors, continuing education, and surveys of the various components of the students' educational experiences. The Office Of Assessment implements the University's assessment program and provides faculty with unique opportunities for enhancement of instruction and student learning.

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Attendance Policy

Op3.04-7 Attendance Policy

Because class attendance and course grade are demonstrably and positively related, the University expects students to attend *all* class sessions of courses in which they are enrolled. Each instructor has the *responsibility* to determine specific attendance policies for each course taught, including the role that attendance plays in calculation of final grades and the extent to which work missed due to non-attendance can be made up. On the *first day of class,* each instructor will make available to each student a written statement of the specific attendance policy for that class. The University encourages instructors not to make attendance a disproportionately weighted component of the final grade. The University expects instructors to be reasonable in accommodating students whose absence from class resulted from: (1) participation in University-sanctioned activities and programs; (2) personal illness; (3) temporary military orders or Veterans Administration medical appointments; or (4) family and/or other compelling circumstances. Instructors have the right to request documentation verifying the basis of any absences resulting from the above factors. Any student who believes that his or her final grade for a course has been reduced unfairly because of attendance factors has the right to appeal that grade under the process outlined below.

Appeal process for attendance-related grade reductions:

The process of grade appeal based upon attendance factors is intended to render a timely and peer-based judgment and is outlined as follows:

A. The student should first attempt to resolve the grade conflict with the instructor on an informal basis. If satisfactory resolution is not reached, formal appeal should be initiated as outlined in (2) below.
B. The student initiates the formal appeal process as follows:
    a. The student writes a formal letter to the instructor (or to the appropriate department head if the instructor is no longer on campus) requesting a re-evaluation of his or her grade. The letter should include the following information: student's name and BearPass Number; the course code, number, and section; the year and semester the course was taken; the instructor's name; and a clear statement of the grade change request and reasons which justify the request. This formal letter must be initiated no later than the end of the first semester after the grade in question is received (excluding summer semester).
    b. The instructor (or the appropriate department head if the instructor is no longer on campus) must respond to the formal appeal within ten (10) school days of the receipt of the formal letter:
        a. If it is determined that the student's request is justified, the instructor (or department head, as appropriate) will prepare a Grade Change Authorization and submit it to the department head, who will forward it to the Office of the Registrar. If the grade change is in a course taken for graduate credit, the department head must also notify the Graduate College.
        b. If it is determined by the instructor (or department head, as appropriate) that the student's request is *not* justified, the instructor (or department head) will write a formal response to the student justifying his or her decision.
    c. Should the student desire to continue the appeal process, he or she may request a formal hearing before the Attendance Appeal Board (AAB)[1] as follows:
        a. The student will submit to the Office of the Vice President for Student Affairs a completed AAB Request for Hearing Form (including a release of information on grades awarded on examinations and assignments, and attendance data, for the specific course in question); the student's formal letter to the instructor (or department head, as appropriate); and the instructor's (or department head's) response.
        b. Upon receipt of the specified documentation, the AAB will determine if the grade reduction is attendance related and potentially unreasonable and/or at variance with the instructor's stated attendance policy. If it is so determined, the AAB will convene a hearing *at the earliest possible date* based upon the schedules of the involved parties. The hearing will be conducted in an attempt to determine the facts associated with the appeal and the intent is that a recommendation will be rendered by the end of the semester in which the appeal was filed.

c. The AAB is advisory only. The Board will forward all documentation and its recommendation to the Provost. Based upon those data, the Provost will make a ruling to the extent that: (1) the grade should be changed including the new grade to be awarded; or (2) the grade should not be changed.

[1]The Attendance Appeal Board will consist of five members as follows: The Board Chair will be the Vice President for Student Affairs or his/her designee. The Vice President for Student Affairs will also select one faculty member from among those serving on the Faculty Student Judicial Commission and three students from among those serving as Justices on the Campus Judicial Board.

Students are not automatically dropped for non-attendance. Failure to properly drop or withdraw will result in F grade(s) and a continued financial obligation.

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Missouri State

Auditing a Course

Op3.04-8 Auditing a Course

The auditing student is expected to attend class regularly and should consult with the instructor to determine what else is expected in the course. If an auditing student does not attend class regularly or does not fulfill agreed-upon expectations, the instructor may direct the Office of the Registrar to drop the student from the class. Such drops will be graded with a "W" grade and will be subject to the normal fee refund policy.

Students may audit courses to the maximum authorized academic load. A person currently not enrolled at the University must be admitted in order to register as an auditor. Courses audited are counted in the same way as courses taken for credit in determining required student fees. Credit is not awarded for auditing a class. Audited classes are excluded when determining enrollment status (full-time, half-time) and eligibility for the semester Deans List. Audited classes are included when determining need for Overload Permission.

To audit a course (or to remove a course from audit) the student must complete a form in the Office of the Registrar, Carrington Hall room 320 any time prior to the "W" grade deadline for that course. Students may not change from a credit basis to an audit basis or vice versa once the "W" grade deadline has ended.

Procedures

Download Request to Place Course on Audit Form

- Bring form to the Office of the Registrar, Carrington Hall Room 320. Office hours are Monday, Tuesday, Wednesday and Friday 8:00 a.m. to 5:00 p.m. and Thursday from 9:00 a.m. to 5:00 p.m.; or
- Fax to 417-836-6334; or
- Email scanned form to Registrar@MissouriState.edu from your Missouri State email account; or
- Mail to Office of the Registrar, Missouri State University, 901 S. National Ave, Springfield, MO 65897

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University Certificate

Op3.04-53 Undergraduate Certificate Program Procedures

General certificate policies

Certificates and options

A university undergraduate certificate generally requires 12-18 credit hours. The certificate document given to a student who earns a university certificate will contain the title of the certificate but not any option/emphasis.

Certificate usage

A certificate may not be used in lieu of a minor (or second major) to satisfy the needs of a comprehensive major.

Certificate pursuit and aid eligibility

Students may pursue a certificate and a degree concurrently or independently. Certificates and degrees can be awarded concurrently or independently.

Students should contact the office of student financial aid to determine if enrollment in pursuit of a certificate is eligible for financial aid since some certificates are eligible and others are not.

Undergraduate students who are seeking a degree and wish to add a certificate should contact either the office of the registrar or the Academic Advisement Center to declare the certificate. If the certificate has admission requirements, the student initially will be put into a pre-admission certificate code. Once the certificate's admission requirements are met, the department will submit an Admission to Degree Program to the office of the registrar to have the student's status moved from pre-admission to admission.

Certificate student classification

Undergraduate students who wish to pursue a certificate must be admitted to the university under a degree-seeking classification even in cases where the student is only pursuing a certificate.

Certificate time limit

Credit for courses completed in the undergraduate certificate more than eight years before the student's date of certificate awarding may be disallowed by the certificate department.

General certificate requirements

Catalog of certificate requirements

Students shall satisfy the certificate requirements in effect upon the original semester of certificate declaration unless the certificate has admission requirements, in which case the student shall satisfy the requirements in effect upon the semester of certificate admission.

Credit hours and GPA

All undergraduate certificates generally require a minimum of 12 credit hours. Students pursuing an undergraduate certificate must attain at least a 2.00 GPA on all courses utilized in the certificate programs. Departments may establish higher minimum GPA's as outlined in the university catalogs.

Residence requirement

Undergraduate students must complete a minimum of 6 credits of upper or lower division credits in the certificate in courses administered by the Springfield campus.

Certificate exceptions

Students who wish to appeal for exceptions to the general certificate requirements should submit an appeal to the Degrees Committee. The procedure for submitting an appeal is maintained by the office of the provost.

Printing and issuance of certificate

Op3.04-21 Diploma/University Certificate

The diploma/certificate is provided to students approximately four to six weeks after the end of the semester of graduation if all graduation requirements have been met. Any hold preventing the release of a student's transcript will also prevent the release of a student's diploma/certificate.

The diploma lists the degree earned, major(s), and the scholastic honors attained at the end of the semester of graduation. Options within majors and minors are not recorded on the diploma but are on the transcript. Students completing multiple majors in the same degree in the same semester will only receive one diploma listing all majors.

The certificate lists the level (undergraduate or graduate) and the name of the program of study.

The student name listed on a diploma or certificate must match a name on file in the University's student information system, which will be available to select in the application to graduate process. Information on adding or changing a name in the system is available in the Change of Student Legal Information and Status Policy.

All reissued diplomas and/or certificates produced on or after August 28, 2005 will bear the name Missouri State University.

The Office of the Registrar will be responsible for establishing and communicating the procedure for requesting a reissued diploma/certificate. A reissued diploma/certificate fee will be charged in accordance with the current Fee Schedule.

Procedures for requesting reissued certificate

Refer to the Office of the Registrar for more information and forms.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Change of Schedule (Add/Drop)

Op3.04-10 Change of Schedule (Add/Drop)

Policy

Below are policies related to adding a class, dropping a class, section changes, and exceptions. Refer to the Procedures for Adding and Dropping Classes for more information on how to add or drop a class, or withdraw from the University (drop all classes).

Adding a class

Classes may be added prior to the beginning of the semester and during the Change of Schedule Period (from the first day of classes through the end of the 100%refund period). Classes which have not yet begun (e.g., second block courses, short courses, independent study, etc.) may be added after the Change of Schedule Period has ended.

Dropping a class

Dropping all classes is considered a "withdrawal from the University." Refer to Procedures for Adding and Dropping Classes for more information.

Classes dropped prior to the end of the Change of Schedule period will not appear on the transcript. Classes may be dropped with a "W" grade from the end of the Change of Schedule period until four weeks prior to the last day of full semester classes, after which time students may not drop. For all classes with a different duration than a full semester, the relevant deadlines can be found in the Drop and Refund page. A "W" grade indicates the student withdrew from the course without academic penalty.

Students who plan to drop a class in which academic dishonesty has alleged to have occurred should first refer to the Academic Integrity Policies and Procedures.

Students who have a hold which prevents using the registration system can drop a class or classes by requesting a drop via the Drop With a Registration Hold Request Form found on the Holds and Add or Drop Classes links of My Missouri State.

Students are expected to complete all registered courses. Failure to properly drop classes will result in the assignment of F grades for those classes, as well as a continued financial obligation for any unpaid tuition charges for those classes. For more information, see the "Exceptions to the Required Student Fees Refund Policy" section of the fee resolution.

Section changes

As stated in the Fee Schedule, students may drop a section and add a different section of the same course during the same part of term and receive an even exchange of fees, provided the section add and drop were processed during the same transaction. Students who drop and add a section in the same course, but in a different part of term do not qualify for this fee exchange. Students who drop a special topics course and add the same course but with a different topic do not qualify for this fee exchange.

Exceptions to the policy

Exceptions to allow a drop after the stated deadline to drop a class are issued to students who have an overwhelming, unforeseen

circumstance (e.g., personal medical condition, catastrophic loss) which significantly interferes with the ability to meet the academic commitments of the class or circumstances that interfere with the ability to drop the class before the deadline. In order to be considered for a request for an exception to the drop date, the student must provide appropriate documentation as early as possible but no later than the last day of the class the student is requesting to drop.

Examples of acceptable documentation regarding personal illness include:

- A letter from the student's appropriate health care provider describing the student's health problem, how it was unforeseen before the drop deadline, and how it interferes with successful completion of the semester. The letter should include a recommendation that the student be granted an exception to the drop deadline from the date of the onset of the health problem. Medical visit dates should be listed.
- Records of hospitalization or treatment related to the specific health condition(s) (inpatient and/or outpatient).
- Any other pertinent information that supports how the student's acute health condition(s) interfered with the ability to meet academic commitments.

Copies of medical bills are not sufficient documentation to support an exception to the drop deadline.

Examples of acceptable documentation for other situations include:

- Copy of obituary or funeral program.
- Letter of support from a family member.
- Formal record confirming circumstance of disaster.

Documentation must provide a date (or dates) that can confirm the time-frame for which the appeal has been submitted.

Students who are approved to have a class or classes dropped because of documented extenuating circumstances after the last day to drop, will receive a "W" in the dropped courses and may appeal for a prorated/partial refund for tuition and room and board (upon proper checkout), but not for nonrefundable fees or charges.

Requests for exceptions to the drop deadline will be considered by a committee appointed by the Provost, including the Dean of Students and Registrar (or their appointed designees). Final appeals may also be considered by the Provost or President of the University.

Procedures for Exceptions

To request an exception to the drop policy, print and complete a Drop Exception Appeal Request form, and submit along with a letter of explanation and supporting documentation as listed above to the Office of the Registrar.

Office of the Registrar
Carrington 320
Missouri State University
901 S. National Ave.
Springfield, MO 65897
Phone: 417-836-5520
Fax: 417-836-6334
Email: Registrar@missouristate.edu

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Class Disruption

Op3.04-11 Class Disruption

The course instructor has original jurisdiction over his/her class and may deny a student who is unduly disruptive the right to attend the class. The student is expected to comply with all reasonable directives of the course instructor. The course instructor may have a student administratively withdrawn from a course upon showing of good cause and with the concurrence of the department head. The appeals process in case of such administrative withdrawal shall be as stated in the Grade Appeals and Academic Grievances policy.

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https://www.missouristate.edu/registrar/catalog/classdis.html

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Classification

Op3.04-12 Classification

Undergraduate degree-seeking students are classified according to the number of credit hours earned, as follows: freshmen = 0 – 29.99; sophomores = 30 – 59.99; juniors = 60 – 89.99; seniors = 90+. Other undergraduate classifications include precollege and nondegree-seeking. Graduate classifications include graduate master's, graduate specialist, doctoral and nondegree-seeking.

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https://www.missouristate.edu/registrar/catalog/classification.html

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Office of the Registrar
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Commencement

Op3.04-13 Commencement

Students who wish to participate in commencement ceremonies must do so according to the following protocol:

- spring semester graduates must participate in the spring ceremony,
- summer semester graduates, because there is not a summer ceremony, may choose to participate in either the preceding spring or following fall ceremony, and
- fall semester graduates must participate in the fall ceremony.

Students who wish to participate in a ceremony prior to their semester of graduation (except summer graduates who wish to participate in the preceding spring) may appeal to the Associate Provost for Student Development and Public Affairs (undergraduate students) or Associate Provost and Dean of the Graduate College, (graduate students). If approved, the listing of their names in the commencement program will remain in the semester of graduation.

Students who complete a University certificate program will receive a "certificate of completion." These students will not be recognized at the commencement ceremonies.

Commencement information is available on the commencement website.

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https://www.missouristate.edu/registrar/catalog/commencement.html

Missouri State

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Credit for Military Education and Experience

Op3.04-50 Credit for Military Education and Experience

Missouri State University grants credit for armed service education and training according to the recommendations of the American Council on Education (ACE) as stated in "A Guide to the Evaluation of Educational Experiences in the Armed Services." No limit exists on credit awarded in this category.

Credit is also awarded for military experience based on ACE guidelines. Credit for military experience is limited to a total of 30 credit hours and a maximum of 6 credit hours in any one discipline.

Undergraduate credit for military education and experience is generally awarded consistent with the Undergraduate Transfer Credit Policy. Initial equivalencies are determined by the Office of Admissions, while the final authority for equivalencies rests with the head of the appropriate academic department at MSU. Some credit for military experience and/or education may be deemed applicable to general education requirements though not equivalent to a specific MSU course. All credit is awarded with a “Pass” grade equivalent.

Graduate credit for military education and experience is awarded in a manner consistent with the Graduate Transfer Credit Policy and as such may not exceed 30% of the requirements for a given program.

To be considered for credit, students should request that an official copy of their Joint Services Transcript (JST) or Community College of the Air Force (CCAF) transcript be sent directly to the MSU Office of Admissions.

Veteran and current members of the military should also refer to the Prior Learning Assessment for information regarding credit for DANTES Subject Standardized Tests (DSST), College Level Examination Program (CLEP) and other credit by examination programs.

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https://www.missouristate.edu/registrar/catalog/Credit-for-Military.htm

Missouri State

Credit Hours and Semester System

Op3.04-16 Credit Hours and Semester System

The unit of credit used at Missouri State is the semester hour. The university follows the semester system in which the academic year is divided into two instructional semesters with each having 15 weeks of instruction plus a final examination period. Additional instructional periods such as summer, intersession, blocks, sessions, short and extended class periods are offered.

Due to Federal regulations promulgated by the US Department of Education, the Higher Learning Commission requires institutions to document how they determine in-class and out-of-class time equivalencies for distance courses and therefore document how credit hours for distance courses are determined. Missouri State University's assignment and award of credit hours shall conform to commonly-accepted practices in higher education and with the federal definition of the credit hour.

FEDERAL CREDIT HOUR DEFINITION: A CREDIT HOUR IS AN AMOUNT OF WORK REPRESENTED IN INTENDED LEARNING OUTCOMES AND VERIFIED BY EVIDENCE OF STUDENT ACHIEVEMENT THAT IS AN INSTITUTIONALLY-ESTABLISHED EQUIVALENCY THAT REASONABLY APPROXIMATES NOT LESS THAN:

(1) ONE HOUR OF CLASSROOM OR DIRECT FACULTY INSTRUCTION AND A MINIMUM OF TWO HOURS OF OUT-OF-CLASS STUDENT WORK EACH WEEK FOR APPROXIMATELY FIFTEEN WEEKS FOR ONE SEMESTER OR TRIMESTER HOUR OF CREDIT, OR TEN TO TWELVE WEEKS FOR ONE QUARTER HOUR OF CREDIT, OR THE EQUIVALENT AMOUNT OF WORK OVER A DIFFERENT AMOUNT OF TIME; OR (2) AT LEAST AN EQUIVALENT AMOUNT OF WORK AS REQUIRED IN PARAGRAPH (1) OF THIS DEFINITION FOR OTHER ACTIVITIES AS ESTABLISHED BY AN INSTITUTION, INCLUDING LABORATORY WORK, INTERNSHIPS, PRACTICA, STUDIO WORK, AND OTHER ACADEMIC WORK LEADING TOWARD TO THE AWARD OF CREDIT HOURS. 34CFR 600.2 (11/1/2010)

The number of credit hours awarded for courses is based on the expected time required to successfully meet the course objectives. This time is a combination of activities including in-class lecture, laboratory work, outside reading, and other academic work. The following ranges can be used to determine hours to assign to laboratory components of courses.

Credit hours	Contact hours in weekly lab (based on 15-week semester and the amount of expected out-of class effort)
1	1 to 3 hours
2	2 to 6 hours
3	3 to 9 hours
4	4 hours and above

Whereas courses taught with an online/blended format may not have specific seat time expectations, they maintain comparable quality and student learning outcomes. College courses taught in a shorter period of time than regular semester courses described in this catalog shall meet the same number of hours for both lecture and laboratories as required if offered on a semester or summer session basis.

Some courses include clinical contact hours that represent the number of hours per week the course will meet in clinical experiences outside the classroom (i.e., nursing, physical therapy, etc.). Normally clinical hours will require three or more hours per week per hour of credit.

Courses with no standard lecture or laboratory contact hours indicate class time is spent outside the normal classroom environment (i.e., field study, internships, practicums, research, service learning, supervised teaching, thesis, etc.). The numbers of credit and contact hours associated with the course are determined by the department.

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https://www.missouristate.edu/registrar/catalog/credithours.html

Missouri State

Office of the Registrar
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Dean's List

Op3.04-17 Dean's List

A Dean's list is prepared at the end of each semester listing the names of undergraduate degree-seeking students who earned at least 12 hours of graded credit in the fall or spring semester or 6 hours of graded credit during the summer session, with a semester grade point average of 3.50 or better. Note: Courses taken or graded Pass/Not Pass and audited courses will not count toward the total semester hours required for eligibility.

Refer to the University Communications website for more information on release of graduation lists, dean's list, and scholarship lists.

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Missouri State

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Declaring or Changing a Major

Op3.04-18 Declaring or Changing a Major

If you are interested in declaring or changing a major, it is recommended that you first visit the department of the major to learn more about the program, including any admission requirements (if required).

- When you have confirmed your plans to declare or change a major, please contact the Academic Advisement Center in University Hall 109 to have the change processed on your record. It is recommended that you visit the office in person. The Academic Advisement Center will continue to accommodate phone and email requests from departmental advisors and representatives regarding major changes for students. If you are a newly admitted student and have not yet registered for classes, contact the Office of Admissions at 417-836-5517 for major changes.
- If you wish to declare or change to a major or minor in the College of Business, please contact the Business Advisement Center in Glass 276. It is recommended that you visit the office in person.
- If you wish to add a second major, you should contact the department of the major as indicated above.
- If you wish to add a minor, please visit the Academic Advisement Center in University Hall 109.

If you have any questions about declaring or changing a major, contact the Academic Advisement Center at 417-836-5258.

Admission to degree program

Some majors have specific admission requirements. If you declare or change to a major with admission requirements, you will initially be placed in a "pre-major." When you have fulfilled all of the requirements for admission to the program, the department will instruct the Office of the Registrar to update your record to show that you are admitted to the major.

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https://www.missouristate.edu/registrar/catalog/declare.html

Missouri State

Degree Audits

Degree audits are designed to assist the student, advisor, and University in tracking student progress toward completion of all applicable degree requirements. This degree audit report matches completed, in-progress, and registered courses with all requirements of a specified degree program to determine which requirements have or will be met and which requirements are deficient or not yet completed. The degree audit will then list what is needed to complete the requirement. The degree audit is designed to be used as an advisement tool. Final confirmation of degree requirements is subject to University approval.

All admitted and currently enrolled undergraduate degree-seeking students may view their degree audit through the My Missouri system provided they have been assigned a BearPass Number.

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https://www.missouristate.edu/registrar/catalog/degreeaudits.html

Missouri State

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Degree Program

Op3.04-20 Degree Program

A degree program consists of a major, a minor (required for non-comprehensive majors under the Bachelor of Arts and Bachelor of Science degrees), and the applicable requirements associated with the degree (see the General Baccalaureate Degree Requirements section of this catalog). Students completing multiple majors in the same degree are considered to have only one degree.

Students must be admitted to a degree program before completing ***75 credit hours*** or a hold will be placed on their record and they will not be allowed to register. Entering first-time students are required to complete GEP 101 (or UHC110 for Honors College students) in their first semester. Students are strongly encouraged to complete COM 115, ENG 110 and a Quantitative Literacy course within their first 30 hours, and are required to do so prior to earning ***75 hours***.

To be admitted to a program of study that has admission requirements, students should first contact their advisor and then the departmental office of the major.

Application to Degree Program form

Download Application to Degree Program form

Note: This form is only necessary when a student is seeking admission to a major that has specific admission requirements. Students declaring a major that does **not** have admission requirements, or declaring a minor, are automatically admitted to their major/minor in the semester it is declared and, therefore, this form is not required.

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Missouri State

Diploma

Op3.04-21 Diploma/University Certificate

The diploma/certificate is provided to students approximately four to six weeks after the end of the semester of graduation if all graduation requirements have been met. Any hold preventing the release of a student's transcript will also prevent the release of a student's diploma/certificate.

The diploma lists the degree earned, major(s), and the scholastic honors attained at the end of the semester of graduation. Options within majors and minors are not recorded on the diploma but are on the transcript. Students completing multiple majors in the same degree in the same semester will only receive one diploma listing all majors.

The certificate lists the level (undergraduate or graduate) and the name of the program of study.

The student name listed on a diploma or certificate must match a name on file in the University's student information system, which will be available to select in the application to graduate process. Information on adding or changing a name in the system is available in the Change of Student Legal Information and Status Policy.

All reissued diplomas and/or certificates produced on or after August 28, 2005 will bear the name Missouri State University.

The Office of the Registrar will be responsible for establishing and communicating the procedure for requesting a reissued diploma/certificate. A reissued diploma/certificate fee will be charged in accordance with the current Fee Schedule.

Procedures for requesting reissued diploma/certificate

Refer to the Office of the Registrar for more information and forms.

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Missouri State

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Dual Enrollment

Op3.04-22 Dual Enrollment

College

Current students who wish to take courses at other colleges or universities, either while enrolled or between terms, are encouraged to verify transferability of credit with the Office of Admissions prior to enrolling at the other institution. Transfer equivalencies for many Missouri colleges and universities are available on the Admissions Office web site.

High school

Highly qualified high school seniors may be admitted under the precollege enrollment program. See Precollege/Dual Enrollment Program for details.

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Missouri State

Enrollment Status/Reduced Course Load Policy

Op3.04-24 Enrollment Status/Reduced Course Load Policy

Enrollment status may be reported to external agencies such as the National Student Clearinghouse. Audited classes are excluded when determining enrollment status. For official reporting purposes, Missouri State uses the following definitions:

Full-Time. Undergraduate students carrying 12 or more credit hours and graduate students carrying 9 or more credit hours in the fall or spring semester are considered full-time students. Undergraduate and graduate students carrying 6 or more credit hours during the summer session are considered full-time students.

Three-Quarter Time. Undergraduate students carrying 9-11 credit hours and graduate students carrying 7-8 credit hours during a fall or spring semester are considered three-quarter time students. Undergraduate and graduate students carrying 4-5 credit hours during the summer session are considered three-quarter time students.

Half-Time. Undergraduate students carrying 6-8 credit hours and graduate students carrying 5-6 credit hours during a fall or spring semester are considered half-time students. Undergraduate and graduate students carrying 3 credit hours during the summer session are considered half-time students.

Less Than Half-Time. Undergraduate students carrying less than 6 credit hours and graduate students carrying less than 5 credit hours during a fall or spring semester are considered less than half-time students. Undergraduate and graduate students carrying less than 3 credit hours during the summer session are considered less than half-time students.

Reduced course load policy

The University complies with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973. These laws mandate that the University provide academic accommodation for students with disabilities.

The purpose of the reduced course load policy is to allow for case-by-case consideration of requests that students with disabilities be considered full-time, three-quarter time, or half-time when taking a reduced course load due to their disability. Students must petition for this accommodation each academic year. Students obtaining approval under this policy will adhere to the current fee structure of the University, but will be considered full-time or half-time and entitled to all of the services, benefits, rights and privileges of their status. Students must be enrolled in a minimum of 6 credit hours to be approved for full-time status, 4-5 credit hours to be approved for three-quarter time status, and 3 credit hours to be approved for half-time status.

Reduced course load requests, with supporting documentation, shall be submitted to the Director of the Disability Resource Center. Supporting documentation must include a diagnostic evaluation from an appropriate professional that permits evaluation of the current need for accommodation. The Director shall review potential consequences of reduced course load with the student, including slower progress toward graduation, changes in financial aid, and changes in University billing. The Director shall encourage the student to explore potential external consequences of a reduced course load, including changes in vocational rehabilitation funding and federally regulated financial aid.

The Director shall submit the student's request, with supporting documentation, to the Office of the Provost for disposition. If the request is approved, the Office of the Registrar shall ensure that enrollment status is accurately noted on the student's record and accurately reported.

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Missouri State

Office of the Registrar

Family Educational Rights and Privacy Act (FERPA)

What is FERPA?

FERPA is the Family Educational Rights and Privacy Act and is a federal law that was enacted in 1974. FERPA protects the privacy of student education records. All educational institutions that receive federal funding must comply with FERPA.

Why should I care about FERPA?

If you're a student, it's important for you to understand your rights under FERPA. If you're a parent, you'll need to understand how the law changes once your student enters a post-secondary institution. If you're a University employee, you'll need to understand what information can and cannot be released, and the appropriate procedures for release of student information.

What are students' rights under FERPA?

Eligible students have four primary rights under FERPA including the right to:

1. inspect their education records,
2. consent to disclosure of personally identifiable information except to the extent that FERPA authorizes disclosure without consent,
3. seek correction of their records, to prevent inaccurate or misleading information, and
4. file a complaint with the U.S. Department of Education if they feel their rights are being violated.

Do parents have any rights under FERPA?

In primary and secondary educational institutions (i.e. K-12), all FERPA rights belong to the parent. However, when the student reaches the age of 18 ***or*** begins to attend a post-secondary institution ***regardless of age***, all FERPA rights transfer to the student.

Where can I find more information about FERPA?

- The entire Missouri State Student Rights (FERPA) Policy is available in the University Policy Library.
- Many questions are addressed in the FERPA Frequently Asked Questions. Contact the Office of the Registrar, Carrington Hall, Room 320, 417-836-5520, if you have any additional questions.
- A FERPA online training program is available to all University employees in My Missouri State → Profile Tab → Professional Development Channel → My Learning Connection.
- More information is available on the U.S. Department of Education's FERPA website.

FERPA forms

- The FERPA Hold-Request to Prevent Disclosure of Student Information form is used by currently enrolled students to request that the University not release any "directory information".
- The FERPA Removal form is used to rescind a FERPA hold.
- The People Search website is the University's official directory of students, faculty, and staff. A request to exclude information from People Search may be completed by currently enrolled students at http://search.missouristate.edu/hide/. To be removed from anything

People Search may be completed by currently enrolled students at http://searchmissouristate.edu/hide/. To be removed from anything other than People Search, including the Outlook Address Book, a FERPA hold must be completed. Read more about People Search and your options regarding display of your information.

- The Release of Information Authorization form is used by students to authorize the University to disclose education records that are otherwise protected under FERPA.
- The Letter of Recommendation Authorization form is used by students to authorize a University employee to include personally identifiable information (such as grades, GPA, etc.) in a letter of recommendation.
- Acknowledgement of Confidentiality Regulations

FERPA Contact List

- Dr. Rob Hornberger - Associate Vice President for Enrollment Management
- Ms. Rebecca Harbaugh - Associate Registrar-Operations
- Ms. Rachael Dockery - General Counsel

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Missouri State

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Final Examination Period

Op3.04-25 Final Examination Period

A two-hour final examination period is scheduled for each course. This final examination period is used either for administration of final examinations or for other appropriate course terminating activities. If students must reschedule final exams because of extenuating circumstances or if they have more than three finals on the same day, they should attempt to resolve their need to reschedule by contacting the instructor(s) one week prior to the scheduled exam time. If this process is unsuccessful, the student may file a written appeal to the associate provost for student development and public affairs for assistance in reaching a satisfactory resolution.

Summer 2019 Finals Schedule

Fall 2019 Finals Schedule

Spring 2020 Finals Schedule

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Missouri State

Grade Appeals and Academic Grievances

Op3.04-28 Grade Appeal and Academic Grievances

A student may request that an assigned grade be changed in accordance with the following procedures. **The change must be requested prior to the end of the semester (excluding summer) following the term in which the grade was assigned.** This process should not be used for students appealing a grade of F or XF assigned due to academic dishonesty. Refer to Academic Integrity Policies and Procedures and to the Student Academic Integrity Policies and Procedures document.

Student evaluations and assignments of final course grades are the responsibility of the faculty. The faculty member is accountable for any and all grades assigned to students; therefore, each faculty member shall maintain records to support student evaluations and grades.

Students who have reasons which can be substantiated to request grade changes must:

1. write a formal letter to the instructor (or to the appropriate department head if the instructor is no longer on campus) requesting a re-evaluation of their performance in the course; and
2. provide the following information in the letter: name and BearPass Number; course number, title, and section; semester and year taken; name of instructor; and a clear statement of the grade change request and reasons which justify the request.

Faculty members, upon receipt of a student's request for a grade change, will review their records. If it is determined that a student's request is justified, the faculty member will prepare a Grade Change Authorization and submit it to the department head, who will forward it to the Office of the Registrar. If the grade change is in a course taken for graduate credit, the department head must also notify the Graduate College. **A faculty member may not change an F grade to a W grade in those cases in which the student did not follow the proper procedures for dropping the course.**

The student can appeal a negative decision of a faculty member. The steps in the appeal process are as follows:

1. present the appeal first to the faculty member’s department head;
2. then to the college dean;
3. next to the Dean of the Graduate College, if the appeal is in a course taken for graduate credit;
4. then to the Provost, who may refer the appeal to his/her designee for a hearing and recommendation;
5. finally, to the President of the University.

At any step of the appeals process, any of the above individuals can authorize a grade change, and must notify the involved individuals of their action (i.e., the department head must notify the student and the faculty member of his/her decision; the college dean must notify the department head, faculty member, and student of his/her decision; the Graduate Dean, in the case of a graduate course, must notify the college dean, department head, faculty member, and student; the Provost or designee is responsible for notifying the college dean, department head, faculty member, and student of his/her decision. If the request for grade change is appealed to the final step, the President will take action deemed appropriate and so inform the Provost, college dean, department head, faculty member, and student. It is solely the student’s responsibility to appeal in the order specified at each step of the process, and the student may halt the appeal at any step.

To appeal an attendance-related grade reduction, the appeal process that is part of the Attendance Policy must be followed. That appeal process can be found in the section describing the Attendance Policy.

Requests for grade changes made after an extended period

Appeals for changes in a student’s academic record that are not made within one semester (excluding summer) of receipt of grades must be submitted to the Office of the Provost. Those appeals with documented exceptional circumstances will be considered on a case-by-case

basis by the Scholastic Standards and Revision of Records Committee, and the committee will make its recommendation to the Provost.

Grade re-evaluation based on exceptions to University policy

In those cases in which the grade received by the student is the result of the University policy (e.g., an F resulting from failure to remove an Incomplete grade in the time allowed or failure to officially drop a course) rather than a faculty member's evaluation of performance in a course, the student's written appeal must be directed to the Office of the Provost within one calendar year of receipt of grade(s). Such appeals will be considered by the Scholastic Standards and Revision of Records Committee, and the Committee will make its recommendation to the Provost.

This process should not be used for students appealing a grade of F or XF assigned due to academic dishonesty. Refer to Academic Integrity Policies and Procedures and to the Student Academic Integrity Policies and Procedures document.

Failure to satisfy academic standards of university, college or department

The University's colleges and departments have authority to set standards for admission of students to their programs or may deny enrollment for failure to satisfy academic standards or course/program prerequisites, even though no violation of disciplinary standards is involved. Except to the extent that cheating or plagiarism is involved, such standards are beyond the primary scope of this document. The University *Undergraduate Catalog* and/or *Graduate Catalog* and relevant advisement centers or deans' offices should be consulted for academic standards and for the process of requesting a waiver(s) or appeal(s) of a decision(s) involving those standards.

Financial aid or scholarships

For disputes related to the awarding or renewal of financial aid or scholarships, the student should consult the Financial Aid Office or the particular college or department under which the award is granted to ascertain the appropriate channel of inquiry. Also the student should obtain a copy of the scholarship eligibility criteria. Such disputes can be referred for appellate review only upon the recommendation of the Vice President for Student Affairs or the Provost or their designee. Where the grounds for denial of a scholarship or financial aid involves academic dishonesty, the matter should follow the procedure described for "Academic Dishonesty by Student Enrolled in a Course."

Procedures

Students who wish to submit an appeal for a grade re-evaluation based on exceptions to University policy as described above should review the guidelines for submitting an appeal to the Scholastic Standards and Revision of Records Committee.

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https://www.missouristate.edu/registrar/catalog/graderev.html

Missouri State

Office of the Registrar
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Grade Point Average

Op3.04-29 Grade Point Average

Undergraduate and graduate grade point averages are maintained. A student's Missouri State grade point average is based only on courses completed at Missouri State. A combined grade point average, based on work completed at Missouri State and in transfer, is also maintained by the office of the registrar. This combined grade point average is used in determining a student's academic standing and eligibility for graduation and scholastic honors at graduation. Refer to the sections on "Academic Status" and "Scholastic Honors" as well as the individual degree and program descriptions for more details on grade point average requirements.

Grade point average is calculated by dividing the total quality points earned by the total credit hours attempted. The semester grade point average is calculated by dividing the quality points earned for the semester by the credit hours attempted for the semester. See "Grading and the Credit Point System" and "Repeat Policy" sections for more details on grade point average calculation. The grade point average of graduate and nondegree-seeking students is based only on graduate level courses (those numbered 600 and above). If a graduate student enrolls in undergraduate courses, grades earned in those courses will be included in the calculation of the undergraduate grade point average.

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Grading and the Credit Point System

Op3.04-31 Grading and the Credit Point System

Note: This version of the policy is **effective August 21, 2017**. Contact the office of the registrar for the version in effect through August 20, 2017.

Faculty are required to provide final grades for all classes and mid-semester grades for 100 and 200 level full-semester courses each semester. (Faculty have the option of providing mid-semester grades for other full-semester courses as well). Final and mid-semester grade reports are available to students online. Grades are awarded to indicate the quality of a student's work and are assigned as follows. Transfer grades begin with a "T" and are listed next to the MSU equivalent grade in the chart below.

Grade MSU / Transfer Equivalent	Interpretation	Counts in Credit Hours Earned	Grade or Quality Points Per Credit Hour	Counts in GPA Hours (used to calculate GPA)
A / TA	**Outstanding work.** *Outstanding achievement relative to the level necessary to meet course requirements. Performance was of the highest level. Excellence while meeting course objectives was sustained throughout the course. Not only was the student's performance clearly and significantly above satisfactory, it was also of an independent and creative nature.*	Yes	4.00	Yes
A- / TA-	**Excellent work.** *Excellent achievement relative to the level necessary to meet course requirements. Performance was clearly and significantly above satisfactory, and was creative and independent.*	Yes	3.70	Yes
B+ / TB+	**Near excellent work.** *Achievement was significantly above the level necessary to meet course requirements. Performance was clearly and significantly above satisfactory, and was creative and independent.*	Yes	3.30	Yes
B / TB	**Very good work.** *Achievement significantly above the level necessary to meet course requirements. Performance was very good, although not of the highest level. Performance was clearly and significantly above satisfactory fulfillment of course requirements (For undergraduate students: B = meritorious; For graduate students: B = adequate).*	Yes	3.00	Yes
B- / TB-	**Good work.** *Achievement at a level just above that necessary to meet course requirements. Performance was notable.*	Yes	2.70	Yes
C+ / TC+	**Slightly above satisfactory work.** *Achievement that meets the course requirements. Performance was slightly more than adequate.*	Yes	2.30	Yes
C / TC	**Satisfactory work.** *Achievement that meets the course requirements. Performance was adequate, although marginal in quality (For undergraduate students: C = adequate: For graduate students: C = inadequate).*	Yes	2.00	Yes
C- / TC-	**Slightly below satisfactory work.** *Achievement that barely meets the course requirements. Performance has been slightly below satisfactory and was marginal in quality. A C- will not fulfill a prerequisite of a C or better on any course, nor will it meet a C or better requirement on a major.*	Yes	1.70	Yes
CR / TE	**Credit by Prior Learning Assessment.** *Student receives credit for the course from credit by assessment or examination. Prior to fall 2017 such credit was recorded with a grade of P or TP.*	Yes	0.00	No

Grade MSU / Transfer Equivalent	Interpretation	Counts in Credit Hours Earned	Grade or Quality Points Per Credit Hour	Counts in GPA Hours (used to calculate GPA)
D+ / TD+	**Passing work.** *Achievement below satisfactory in meeting course requirements. Student demonstrated below satisfactory achievement in meeting course objectives, yet fulfilled a sufficient enough portion of the course objectives that repeating the course is not necessary unless required by the academic unit.*	Yes	1.30	Yes
D / TD	**Minimum passing work.** *Achievement barely worthy of credit. Student demonstrated unsatisfactory achievement in meeting course objectives, yet fulfilled a sufficient enough portion of the course objectives that repeating the course is not necessary unless required by the academic unit.*	Yes	1.00	Yes
F / TF	**Failed – no credit.** *A failure to meet course requirements. The work of course objectives were either: 1) completed but not at a level of achievement that is worthy of credit, or 2) have not been completed and there was no agreement between the instructor and the student that the student would be awarded an "I" (incomplete).*	No	0.00	Yes
I	**Incomplete.** *Grade assigned when due to unusual circumstances a small portion of a course, such as a term paper or final examination, has not been completed. (Refer to Incomplete Grade policy for more information.)*	No	0.00	No
IP	**In Progress course.**	No	0.00	No
NG	**Grade Not Yet Available/Extended Course.** *Grade assigned for extended course which has not yet ended.*	No	0.00	No
NP / TT	**Not Pass.** *Student did not pass the course under the Pass/Not Pass policy.*	No	0.00	No
NR	**Grade Not Yet Reported.** *Grade not submitted by instructor on time.*	No	0.00	No
P / TP	**Pass.** *Student passed the course under the Pass/Not Pass policy. Prior to fall 2017, credit by prior learning assessment was recorded as P or TP. Credit by prior learning assessment awarded after fall 2017 is recorded with a grade of CR or TE.*	Yes	0.00	No
V	**Visitor.** *Student completed the course under the Auditing a Course policy. No hours or points assigned.*	No	0.00	No
W	**Withdrew.** *Student withdrew from course without academic penalty. Prior to fall 2009 grade was recorded as an N.*	No	0.00	No
XF/TXF	**Failure due to academic dishonesty.**	No	0.00	Yes
XM / XT	**Academic Renewal.** *Grades and hours have been removed from GPA calculation.*	No	0.00	No
Z	**Deferred grade.** *Assigned only to students enrolled in 600-level or higher courses, restricted to graduate theses, graduate problem courses, or graduate seminars which might not be completed within a semester. Z grades not removed within four calendar years, will be changed to a W.*	No	0.00	No

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Office of the Registrar
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Graduate Credit, Undergraduate Students Taking

Op3.04-51 Undergraduate Students Taking Graduate Credit

Undergraduate students have three options for taking graduate credit prior to completion of a bachelor's degree:

Mixed Credit (Accelerated Graduate Programs): Students admitted into an approved accelerated graduate degree program may have a limited number of 600-level or higher courses counted toward both an undergraduate and graduate degree. Before enrolling in a course to be counted as both undergraduate and graduate credit (mixed credit), the undergraduate student must be accepted into the accelerated program and receive prior approval from: 1) the Graduate Program Director, 2) the Department Head of the undergraduate program, and 3) the Dean of the Graduate College. All approvals must be completed prior to the end of the Change of Schedule Period for the course(s). Although a maximum of 12 credit hours may be taken as Mixed Credit, many programs have lower limits. See the "Graduate College" section of the catalog for further information.

Mixed Credit (General): Undergraduate students who meet all the admission requirements of a graduate degree or certificate program other than the completion of a baccalaureate degree may receive permission to take up to six hours of mixed (undergraduate and graduate) credit without first being admitted to a specific graduate program. In order to qualify for this credit, the student must have completed 90 or more credit hours with a minimum cumulative GPA (MSU and combined) of 3.00. Note, however, that Individual programs may have a higher required GPA. Qualified students must receive prior approval from: 1) the Graduate Program Director of the program in which the graduate course is taken; 2) the Department Head of the undergraduate major to which the mixed credit will be applied; and 3) the Dean of the Graduate College. It should be noted that permission of the Graduate Program Director of one program does not guarantee that those approved mixed credit courses can be used in a different graduate program.

Senior Permission: Undergraduate students who have accumulated at least 90 hours from Missouri State or another accredited institution may be permitted to take a maximum of 12 credits of 600-level or higher courses for graduate credit. Students who desire to participate in this program must receive the recommendation of the head of the department in which the course(s) are offered and the approval of the Dean of the Graduate College. To be eligible, students must have a GPA of at least 3.00 on the last 60 hours of their undergraduate course work. Students are limited to a maximum of 9 credit hours of graduate level courses and a maximum of 15 credit hours of graduate and undergraduate courses combined during a semester. Courses completed for graduate credit under Senior Permission cannot be applied toward the undergraduate degree. Graduate credit earned under Senior Permission may be applied toward a graduate degree or certificate program contingent upon approval of the Graduate Program Director.

The Graduate College and the Office of the Registrar are responsible for developing and administering procedures for students utilizing the above options. Both offices will provide information on the procedures through their websites.

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Graduation

Op3.04-32 Graduation

All students must inform the University of their plan to graduate before or early in the semester of graduation by submitting an Application to Graduate. Degrees are awarded at the conclusion of the fall and spring semesters. Students who are not eligible for graduation in their original semester of intended graduation must reapply for a future graduation semester. Graduation dates will not be backdated in the event that a student fails to apply to graduate.

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Holds

Op3.04-23 Holds

A hold may be placed on a student's record for a variety of reasons such as an unpaid bill or fine, failure to return books or equipment, or failure to be admitted to a degree program within the specified time limit. Most holds will prevent a student from registering for upcoming semesters and the release of a student's transcript and diploma.

See Hold Codes for contact information.

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Incomplete Grade

Op3.04-33 Incomplete Grade

An incomplete (or "I" grade) indicates that due to unusual circumstances a small portion of a course, such as a term paper or final examination, has not been completed. If a student is unable to complete a significant part of a course, and the drop deadline has not passed, the student may drop the course and repeat it. Otherwise, a letter grade based on the work completed should be assigned per the course's grading scale. Assigning a "W" grade is not an option available to the instructor.

In each instance where an "I" grade is assigned, the instructor of the course shall, at the end of the semester in which the "I" grade is given, indicate on the Assignment of Incomplete Grade form what the student must do to complete the course and how the completed work would affect the final grade. The original copy must be filed with the appropriate department office, one copy must be given to the student, and one copy must be retained by the instructor. Students should not re-register in the course to resolve the incomplete grade. If a student re-enrolls in a course for which they have an outstanding "I" grade, the "I" grade will be changed to an "F" grade after grading has been completed for the semester of the repeat attempt and the repeat policy will apply.

An "I" grade must be removed within one calendar year after it is received, or earlier as specified by the instructor, otherwise the "I" grade automatically becomes an "F" grade. An extension of the time limit to remove an "I" grade will be made only if a written request for such extension is submitted to the Office of the Registrar by the instructor. The student should make arrangements with the instructor or the department head for completion of the work. When the work is completed, the instructor will complete a Grade Change Authorization Form online or send a Form to the Office of the Registrar for processing. The grade may be changed from an "I" grade (or from an "F" grade if the automatic change has already occurred) to the appropriate grade earned.

Members of the military (undergraduate or graduate) who re-enroll within one year of being released from military assignment shall have one year from the date of resumption of coursework at Missouri State to remove any "I" grades pending at the time of mobilization or received as a result of mobilization.

Graduating Seniors who have incomplete grades in any course used to satisfy a graduation requirement must resolve those incomplete grades by the middle of the following semester (summer for spring graduates, fall for summer graduates, and spring for fall graduates) or they will not graduate that semester and must reapply for a future semester of graduation.

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Office of the Registrar
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Instructor Drop

Op3.04-34 Instructor Drop

If a student does not attend by the second class meeting of a semester or summer session, and has not informed the departmental office of the intent to remain in the course, the instructor may institute proceedings to drop the student from the class. This should only be done when the space is needed for another student. A faculty member may not institute drop proceedings after the third week of class. **A student cannot drop a class merely by not attending.** The student who is dropped by the instructor will be notified of such action by the Office of the Registrar.

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Intersession

Intersession classes are considered to be part of the following semester for purposes of admission, financial aid, registration, overloads, grading, scholastic action, and graduation. Fall Intersession is part of the Fall semester; Winter Intersession is part of the Spring semester; and Summer Intersession is part of the Summer Session.

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Student Legal Information and Status

Op3.04-35 Change of Student Legal Information and Status

Students may change legal information such as name, marital status, social security number, date of birth, sex, guardianship (parent or legal guardian) or citizenship status by submitting suitable legal documentation along with the Change of Student Information form to the Office of the Registrar.

Suitable legal documentation consists of documents required by the State of Missouri to make the requested change and will vary depending on the information sought to be changed and could include, but is not limited to: driver's license, official state ID card, Social Security card, certified copy of marriage license, court order from a court of competent jurisdiction, current passport or official proof of identity certified by the U.S. embassy abroad or by the appropriate foreign embassy in the United States.

When academic records are maintained on microfilm, the student's name cannot be updated on the microfilm. Students who last attended Missouri State University before 1985 have microfilm records. A Change of Student Information form is available online.

Students are expected to keep addresses, phone numbers, personal email addresses, and emergency contact information up-to-date. The Change of Student Information form is not intended to update a student's contact information or emergency contact. Updates to students' contact information or emergency contact must be done through the Change of Student Contact Information form.

All current and previous names, addresses, phone numbers, and email addresses are permanently maintained as part of the student's record.

The Office of the Registrar will be responsible for establishing and communicating the procedure for requesting a student information change.

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Policy for Military Students and Dependents Regarding Class Drops and Refunds Associated With Active Orders

Op3.04-48 Policy for Military Students and Dependents Regarding Class Drops and Refunds Associated With Active Orders

In keeping with our commitment to serving military members and their families, Missouri State University has developed the below policies which will apply to service members as well as spouses and children of mobilized service members.

Whenever possible, normal procedures for dropping all classes (withdrawing) should be followed (see Op3.04-10 – Change of Schedule [Add/Drop]). However, if a student is unable to follow these procedures due to special circumstances the University will accept documentation from a family member of the student. Appropriate documentation (such as orders) must be provided at time of drop.

Refunds

- **Tuition/Fees**. Students who drop one or more classes during a semester due to required military service will receive a 100% credit on their account for their tuition and student service fees (supplemental fees will not be refunded) at the time of the drop regardless of regular refund schedule.
- **Parking**. If required military service occurs prior to finals and the student must drop all classes a full refund of parking fees will be credited to the student's account for that semester. If required military service occurs after finals and the student has purchased an academic year pass a full refund for the future semesters charges will be credited to the student's account. Veteran Student Services will notify Parking Administration upon request from student at time of drop for refund to student account.
- **Books.** Students who must drop all classes may receive a full refund for text books purchased at the University Bookstore. Students must request a letter from Veteran Student Services confirming military drop which should be presented to the bookstore along with the books for full refund.
- **Housing.** Students who must drop all classes may receive a prorated refund for housing based on the actual number of days room and board was used prior to drop. Veteran Student Services will notify Residence Life and Services upon request from student at time of drop for refund to student account.

Grading

Should students be mobilized at such a point in the semester that the course instructor believes that they have completed a majority of the material in their class, the instructor may assign a passing grade or initiate an "I" grade. If a passing or "I" grade is not assigned, the student will receive a W grade, even if the withdrawal took place after the last day to drop or withdraw deadline. Students will receive a 100% refund only for those classes that are officially processed as a withdrawal.

Other

Graduate students who drop all classes and have assistantships can expect their stipend to end effective the day of the drop.

All other withdrawal policies indicated in Op3.04-10 apply to military students/dependents as they do for any other student.

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Missouri State

Overload Permission

Op3.04-36 Overload Permission

Permission must be obtained for hours taken over the maximum allowed as per the student's level. Courses for which a student is enrolled on an audit basis are counted in hours for an overload.

Undergraduate students

Maximum*: 18 hours for fall or spring semesters. Maximum of 10 hours for summer sessions. Upon the recommendation of their advisors, students who have a 3.00 or higher GPA for a semester in which a minimum of 15 hours is carried may request permission for an overload from the dean of their college.

Obtain overload permission from: Dean of college of student's major. If major is undecided, then Associate Provost for Student Development and Public Affairs.

Graduate students

Maximum*: 16 hours for fall or spring semesters. Maximum of 10 hours per summer sessions. Also, nondegree-seeking students (excluding those seeking teacher certification) may not enroll in more than nine total hours of graduate-level courses including completed, in-progress and registered without permission from the Dean of the Graduate College.

Obtain overload permission from: Dean of the Graduate College.

Precollege students

Maximum*: Nine hours for fall or spring semesters; six hours for summer semester.

Obtain overload permission from: If enrolled in the high school based (dual credit) Program, obtain permission from The Extended Campus. If enrolled in the campus based (dual enrollment), obtain permission from the Associate Provost for Student Development and Public Affairs.

* Hours for fall include fall intersession; hours for spring include winter intersession; hours for summer include summer intersession

Procedures

Download Overload Permission Form

- Take form to the appropriate administrator as noted on the form for approval.
- Once approved, bring form to the Office of the Registrar, Carrington Hall Room 320. Office hours are Monday, Tuesday, Wednesday and Friday 8:00 a.m. to 5:00 p.m. and Thursday from 9:00 a.m. to 5:00 p.m.; or
- Fax to 417-836-6334; or
- Email scanned form to Registrar@MissouriState.edu from your Missouri State email account; or
- Mail to Office of the Registrar, Missouri State University, 901 S. National Ave, Springfield, MO 65897

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Pass/Not Pass Grading Option

Op3.04-37 Pass/Not Pass Grading Option

The Pass/Not Pass grading option is intended to provide students an opportunity to pursue specialized or outside interests without penalty or reduction of grade point average. It allows students a greater degree of participation in those courses than the audit system permits. Students earning a passing grade in courses for which they were enrolled on a Pass/Not Pass basis are given a “P" grade; those failing will receive a grade of “NP”. Pass and Not Pass grades are not used in calculating grade point averages. To place a course on Pass/Not Pass, students must complete a form in the Office of the Registrar, Carrington Hall 320, any time prior to the “W” grade deadline for that course.

Caution: Prerequisite requirements of other courses may not be met with a course completed on a Pass/Not Pass basis. The decision to take a course on a Pass/Not Pass basis cannot be reversed.

Students may take courses on a Pass/Not Pass basis under the following conditions:

1. Courses taken under the Pass/Not Pass option cannot be used to satisfy general education, major, minor, professional education, or specific degree requirements. Courses taken under the Pass/Not Pass option can be counted towards the 120 minimum credit hours and 40 hours of upper-division credit hours (as applicable) required for completion of a baccalaureate degree unless otherwise restricted.
2. Honors classes cannot be taken on a Pass/Not Pass basis.
3. The Pass/Not Pass option is not available as a choice to graduate students for graduate-level courses (600 or above). Departments may elect to offer certain non-didactic graduate courses (e.g., readings, special problems, independent study, clinical internships, research and thesis) on a Pass/Not Pass only basis.
4. Courses which are graded Pass/Not Pass only are exempt from the limitations otherwise imposed upon students by Pass/Not Pass regulations.
5. If a Pass/Not Pass student does not attend class regularly or does not fulfill agreed-upon expectations, the instructor may direct the Office of the Registrar to drop the student from the class.

Procedures

Download Pass/Not Pass Request Form

- Bring form to the Office of the Registrar, Carrington Hall Room 320. Office hours are Monday, Tuesday, Wednesday and Friday 8:00 a.m. to 5:00 p.m. and Thursday from 9:00 a.m. to 5:00 p.m.; or
- Fax to 417-836-6334; or
- Email scanned form to Registrar@MissouriState.edu from your Missouri State email account; or
- Mail to Office of the Registrar, Missouri State University, 901 S. National Ave, Springfield, MO 65897

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Posthumous Degree

Op3.04-52 Posthumous Degree Policy

A degree may be posthumously awarded on behalf of a deceased student if the following conditions are met.

- The student was enrolled at the University within the 12 months preceding their death.
- The student was in good academic and disciplinary standing with the University.
- Undergraduate students must have completed at least 90 credit hours toward a degree at Missouri State and made significant progress in their major.
- Graduate students must have completed at least two-thirds of the requirements toward a degree at Missouri State.
- The request was received within two years of student's death.

Requests for exceptions to the conditions above must be approved by the Degrees Committee.

The posthumous degree must be approved by the dean of the college from which the degree is being awarded, the Provost (or designee), and the President (or designee).

The procedures for implementation of this policy will be developed and administered cooperatively by the Office of the Provost and Office of the Registrar.

Posthumous Degree Procedures

Initial recommendation of a candidate for a posthumous degree may be made by a family member of the deceased student or by the appropriate department of the faculty to the Dean of the candidate's college.

To be eligible for a posthumous degree the following conditions must be met:

- The student must have been enrolled at the University within the last 12 months
- The student must be in good standing with the University
- Undergraduate students must have completed at least 90 credit hours toward a degree at Missouri State and made significant progress in their major
- Graduate students must have completed at least two-thirds of the requirements toward a degree at Missouri State

If the Dean approves the recommendation, the Dean will be responsible for contacting the student's family to ascertain the family's wishes.

Upon Dean's approval, the recommendation is routed to the Provost for approval and then to the President for approval. Approved recommendations should be forwarded to the Office of the Registrar for processing.

If deadlines allow, the student's name will be printed in the commencement program. If the family wishes, a designated member of the student's family may participate in the commencement ceremony and receive the diploma. The designated family member will not be allowed to wear academic regalia.

Appropriate transcript comments will be posted and the posthumous degree will be recorded by the Registrar.

The diploma and final transcript will be mailed to the student's family.

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https://www.missouristate.edu/registrar/catalog/posthumous-degree.htm

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Prerequisites

Op3.04-38 Prerequisites

The student is responsible for having the appropriate prerequisites prior to enrollment in a course. Prerequisites are indicated in the University Catalog and the web class schedule and will be enforced at the time of registration. If any academic department determines that a student does not have the appropriate prerequisites for a course, registration for the course *may* be cancelled either prior to or after classes begin. Any questions concerning the prerequisites should be answered by consulting the current catalog or by contacting the academic department offering the course.

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Prior Learning Assessment

Op3.04-14 Prior Learning Assessment

Note: This version of the policy is **effective August 21, 2017**. Contact the office of the registrar for the version in effect through August 20, 2017.

The University recognizes that students may attain college-level competencies through a variety of extra institutional means, including rigorous high school curricula, professional or military experience, corporate training, and self-directed learning. The systematic evaluation of such competencies against established course learning outcomes is known as prior learning assessment (PLA).

Academic departments determine the specific procedures they utilize to grant course credit, course waivers, or prerequisite overrides and determine the scores or outcomes required for such consideration. Credit for prior learning may be granted on the basis of institutional assessment procedures developed by departments or through external examinations, such as Advanced Placement, CLEP, and IB tests. In the case of internally developed and administered PLA protocols, departments may collect the assessment administration fee stipulated in the current fee schedule.

Departments offering PLA options for their courses must make the following information available on their websites: a list of the courses (course code and number) for which PLA options exist; a brief description of the PLA mechanism used; basic details about the administration of the assessment (frequency, dates, times, etc.); whether an assessment fee is charged; whether students may repeat or retake an assessment; the specific scores or outcomes required to grant course credit, course waivers, or prerequisite overrides; and details about whom to contact for more information. The Office of the Provost will maintain a centralized PLA website that lists all courses with PLA options and provides links to the relevant departmental websites.

All PLA hours, whether granted through institutional assessments or external examinations, are treated as transfer credit and thus cannot be applied toward residence requirements for graduation, renewal of scholarships, or other requirements based on credit earned through the University.

No more than 30 hours of PLA may be applied to the credit hour requirement for a bachelor's degree. For graduate degrees, no more than 49% of the required semester hours may be fulfilled by combining senior permission (up to 12 hours), courses taken prior to admission to the program (up to 30%), transfer (up to 30%), and assessment of prior learning.

PLA hours are transcripted with CR or TE grades, indicating whether they were granted on the basis of institutional assessments or external examinations, respectively. When prior learning assessment takes place prior to initial enrollment, credit will be assigned to the first term in which the student enrolls. Otherwise, credit for prior learning will be assigned to the term in which prior learning is assessed.

Students who wish to receive credit for PLA granted by other institutions must consult with the head of the MSU department that offers courses in that area or a designee of the Office of the Provost. Such requests will be evaluated on a case-by-case basis.

Undergraduate students who wish to be considered for such approval should contact the Office of Admissions regarding the procedure. Graduate students should contact the Director of the graduate program in which the credit could apply.

External examinations

Some departments grant course credit, course waivers, and prerequisite overrides on the basis of scores on external examinations, which include, but are not necessarily limited to, the following:

- Advanced Placement (AP)
- College Level Examination Program (CLEP)

- International Baccalaureate Program (IB)
- DANTES Subject Standardized Tests (DSST)

Students must have original (official) score reports for these examinations sent to the Office of Admissions by the testing agency to be considered for credit. For individual AP, CLEP, and IB examinations, academic departments are responsible for determining whether PLA is granted and for also determining minimum score requirements, number of credit hours, and course equivalencies.

In the case of DSST exams, the determination to grant PLA is based on American Council on Education (ACE) guidelines. Students who meet the minimum score recommended by ACE on examinations that cover subjects taught by MSU will be awarded PLA based on ACE guidelines. Academic department heads are responsible for determining whether such PLA hours will be considered equivalent to a specific MSU course or considered elective credit.

Students seeking credit for prior learning on the basis of military education and experience should consult the Credit for Military Education and Experience Policy.

To request graduate credit on the basis of external examinations, students should contact the director of the graduate program in which the credit could apply.

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https://www.missouristate.edu/registrar/catalog/priorlearning.htm

Missouri State

Registration

Op3.04-39 Registration

The University allows currently enrolled, admitted, and readmitted/reinstated students to register well in advance of the beginning of each semester. Students can check their registration status online through My Missouri State. New students are informed of registration opportunities with admission materials. Evening, online and nondegree-seeking students may seek additional registration assistance through Missouri State Outreach.

Students who meet any one of the following criteria are required to obtain advisor release each semester prior to registration:

1. Undergraduate students who have earned fewer than 75 undergraduate credits. Since these are earned credits, in-progress credits do not apply.
2. Undergraduate students who have obtained fewer than three prior spring or fall advising releases.
3. Undergraduate students on academic probation.
4. Graduate students.

Students who are in good academic standing and plan to return within one calendar year under the same classification do not require readmission for registration. Students who have University holds that restrict registration are not permitted to register for any succeeding semester or summer term until such holds have been removed.

Individuals intending to participate in a class are not permitted to attend unless they are officially registered in those classes. Exceptions must be approved by the instructor and department head of the course, in consultation with the Office of the Registrar. Visitors, without the expectation of receiving class credit, may attend class sessions on a limited basis at the discretion of the instructor.

Once enrolled, students are required to withdraw from their courses if they will not be able to attend. Failure to do so will result in failing grades and continued financial obligations. See "Procedures for Adding and Dropping Classes (and Withdrawing)" section.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Repeat Policy

Op3.04-40 Repeat Policy

A student may repeat any of the courses that he or she has taken at Missouri State University. All attempts at the course and the grades earned (including those resulting in a W, I, and Z) appear on the transcript. The grade from the most recent attempt at the course, including the repeat of a Pass/Not Pass grade with a standard letter grade, (though not a W, I, or Z) will be the one that counts in GPA calculations. For example, if a student takes the course four times and gets a P, B, C, and W, in that order, then the C would be their official grade that would be used when calculating the student's grade point average. Also, a course that has been repeated will only be counted once in the student's total credit hours earned.

This policy applies to course repeat attempts taken fall 2009 and subsequent semesters. When the most recent repeat attempt was taken prior to fall 2009, the policy published in the 2008-09 Undergraduate Catalog will be applied.

The repeat policy is applicable to transfer credit as well as credit earned at Missouri State. For example, if a student earns a C in a course at Missouri State and repeats an equivalent course at another institution, the C will be removed from the calculation of the Missouri State GPA. The transfer grade, however, will be included only in the transfer and combined grade point averages. See Grade Equivalencies in the "Transfer Credit Policy" section of the catalog for further information.

Students should also be aware that even though a course prefix, number, and/or title changes, it is still considered the same course for repeat policy purposes. The Office of the Registrar maintains the complete listing of course prefix and number changes and should be contacted for such questions.

Students should also be aware that many graduate and professional schools recalculate GPAs taking into account every grade that appears on a transcript.

Students who are receiving financial aid must consider the impact of repeating classes on their eligibility for financial aid for future semesters. While repeated courses are counted when determining a student's enrollment status and annual satisfactory progress, students who fail to progress toward graduation (i.e., by increasing total hours earned) may exhaust their aid eligibility prior to graduation.

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https://www.missouristate.edu/registrar/catalog/repeat.html

Missouri State

Requesting a Transcript from Missouri State University to be Sent Elsewhere

Op3.04-44 Transcript

A transcript is a chronological listing of student's academic record at Missouri State University. A transcript guide is available which defines the information that appears on the transcript. A printed transcript is considered official when produced by the Office of the Registrar bearing the University Seal and signature of the University registrar. An electronic transcript is considered official when it is sent by the University through an approved electronic transmission method.

The Office of the Registrar will be responsible for establishing and communicating the procedure for requesting a transcript. A transcript fee and fees for special requests (e.g., overnight delivery) will be charged in accordance with the Fee Schedule. Official transcripts will not be released for students who have a University hold in accordance with the hold policy. Students with a hold may view and print their unofficial transcript via My Missouri State.

Procedures for Requesting a Transcript

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Missouri State

Scholastic Honors

Op3.04-41 Scholastic Honors

Special distinction is awarded to students who demonstrate high scholarship in completing a baccalaureate degree. Honors are conferred according to the requirements in effect at the time of admission into the University (or at time of readmission if the student was not enrolled for more than one calendar year).

Missouri State credit hours and grade point average include courses taken at the West Plains Campus prior to fall 1995. Courses taken at the West Plains Campus fall 1995 and after are considered to be transfer credit.

Requirements to be met for students admitted to the University fall 2004 and beyond

1. Completion of 60 undergraduate credit hours at Missouri State, and
2. a Missouri State grade point average of 3.50 or better, and
3. a combined (Missouri State and transfer) grade point average of 3.50 or better.

Honors will then be granted based on the lower grade point average of either Missouri State or combined as follows:

- GPA of 3.50 - 3.74 — Cum Laude
- GPA of 3.75 - 3.89 — Magna Cum Laude
- GPA of 3.90 - 4.00 — Summa Cum Laude

Requirements to be met for students admitted to the University fall 1992 through summer 2004

1. Completion of 60 undergraduate credit hours at Missouri State, and
2. a Missouri State grade point average of 3.40 or better, and
3. a combined (Missouri State and transfer) grade point average of 3.40 or better.

Honors will then be granted based on the lower grade point average of either Missouri State or combined as follows:

- GPA of 3.40 - 3.74 — Cum Laude
- GPA of 3.75 - 3.89 — Magna Cum Laude
- GPA of 3.90 - 4.00 — Summa Cum Laude

Students who meet the above GPA criteria according to the protocol below shall be honored at commencement ceremonies.

- Scholarship honors for spring and fall graduates shall be determined on the basis of their credit hour totals and grade point average(s) at the end of the semester preceding their semester of graduation (and include in-progress hours), and
- Because there is not a summer ceremony, scholarship honors for summer graduates choosing to participate in the spring ceremony shall be determined on the basis of their credit hour totals and grade point average(s) at the end of the fall semester preceding their semester of graduation (and include in-progress hours).

Students who qualify for scholarship honors shall have those honors entered on their academic record and printed on their diploma.

Questions concerning eligibility for scholastic honors should be directed to the Office of the Registrar, Carrington Hall 320, 417-836-5520.

Refer to "Dean's List" section for further information regarding scholastic honors.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Undergraduate Transfer Credit Policy

Op3.04-45 Undergraduate Transfer Credit Policy

Introduction

Missouri State University (MSU) welcomes transfer students and endorses the "Joint Statement on Transfer and Award of Academic Credit" approved by the American Council on Education, the American Association of Collegiate Registrars and Admissions Officers and the Council for Higher Education Accreditation. Many of the principles of that statement are inherent to this policy.

Determination of transferability

MSU awards credit in transfer for undergraduate courses completed at colleges and universities accredited by regional accrediting associations recognized by the United States Department of Education (USDE).

To be accepted, coursework must have been completed at an institution after it received accreditation or during the time it was granted candidacy status for accreditation from one of the above accrediting associations

In addition, transfer credit is:

- awarded for regular academic courses taken at institutions accredited by the Association for Biblical Higher Education (ABHE). Courses such as mission, theology, doctrine, homiletics, and religious education courses are not accepted. A limited number of Bible courses (e.g., Old Testament, New Testament, Life of Christ, and Life of Paul) that are substantially similar to courses offered at MSU may be accepted. Education courses transfer only as general electives.
- awarded for courses completed at colleges and universities outside of the United States that are accredited or approved by the Ministry of Education (or other appropriate governmental agency) of the country in which they are located. Credit and placement decisions are based on recommendations of the American Association of Collegiate Registrars and Admissions Officers, NAFSA: Association of International Educators, and selected other professional organizations and agencies that evaluate foreign educational institutions.
- generally *not* awarded for courses completed at institutions not accredited or approved as indicated above. Exceptions may be approved on a course-by-course basis by the head of the MSU department through which similar course are offered. In the case of courses that may be applicable to general education requirements at MSU but that do not have specific equivalents, exceptions must be approved by the Provost or designee. Students should contact the Office of Admissions for information on the procedure.
- not awarded for remedial courses.
- awarded for graduate credit at another institution only if approved by the head of the appropriate academic department at MSU.
- generally only awarded for vocational-technical courses if they are included in a transfer agreement with the source institution or on a case-by-case basis with approval by the Provost as applicable to an MSU degree program.
- awarded and posted to transcripts only for students who enroll at MSU subsequent to completing coursework at other institutions.

Course equivalencies

Transfer equivalencies are based on current policies and generally reflect course numbers from the MSU catalog at the time the evaluation is conducted. MSU courses and course numbers are subject to change; thus, transfer equivalencies are subject to change as well. MSU maintains a transfer course equivalency website. Established course equivalencies for most Missouri and many out-of-state institutions are included. Current MSU students who plan to take courses at other institutions are encouraged to consult with their advisors and to confirm transferability of such courses prior to enrolling.

Courses from institutions that participate in the Missouri Higher Education Core Curriculum (CORE 42) initiative that have been designated as CORE 42 courses will transfer in accordance with the statewide policy. The MSU CORE 42 website provides additional details.

Initial determination of course equivalencies

Initial determinations of transfer credit equivalencies are made by the MSU Office of Admissions through a comparison of course descriptions and/or course titles. If substantial similarity exists between a course taken at another institution and an MSU course, transfer credit will be awarded for the MSU course. If substantial similarity does not exist, but the course is in a subject matter taught at MSU under a specific subject code, elective credit will be awarded under that subject code (e.g., MTH electives for a mathematics course).

If the content of a course includes subject matter offered in more than one MSU department or if the course description does not provide sufficient information to assign the credit to a specific prefix, general elective credit will be awarded. In some such cases, the course may be designated as applicable to a specific category of the MSU general education requirements. Elective credits awarded for upper-division courses taken at four-year colleges and universities will be designated as upper-division for transfer purposes (i.e., will apply to the upper-division credit hour requirement for graduation at MSU).

Appeal of transferability or course equivalencies

The ultimate authority for transfer of credit rests with the head of the department through which similar courses are offered at MSU. Students who wish to appeal the initial evaluation or transferability of a course may do so through the online "Transfer Credit Reevaluation and Preapproval" system on My Missouri State through which requests are routed to the appropriate department head. This process is available only to admitted students who have conferred with an academic advisor and received an initial advisor release to register. When making an appeal, students must be prepared to provide supporting documentation (e.g., a course syllabus, course description from the other institution's catalog, examples of work).

Students who have taken courses that do not have specific equivalencies at MSU but that appear to be substantially similar to courses in the MSU general education program may appeal through the Transfer Credit Reevaluation and Preapproval system to have those courses applied to the general education program. Such appeals will be routed to the appropriate designee of the Provost for review. Students should be prepared to provide supporting documentation as indicated above. Students may also appeal to have courses applied to the CORE 42 requirement. The procedure is described on the CORE 42 website.

Credit hour equivalencies

Credit is converted to semester hour equivalents. In converting quarter hours to semester hours, a conversion factor of two-thirds is used.

If a course at another institution is offered for fewer credit hours than an equivalent course at MSU (e.g., if a three credit hour course at another institution is substantially similar in content to a four credit hour course at MSU), the student will be given transfer credit for the equivalent course at MSU but only for the number of credit hours earned at the other institution. In such cases, the student may need to take an additional course to fulfill MSU credit hour requirements. Conversely, if the number of credit hours for a course at another institution is greater than the credit hours attached to the MSU course, the student will be given credit for the MSU course and additional elective credit to make up the difference.

Grade equivalencies

Transfer grade equivalents will be determined and recorded with the student's transfer credit. Credit will be awarded for courses in which a passing grade was earned. Grades of "F" are included in the calculation of the transfer grade point average. In all cases, transfer grades are preceded by a T (e.g., TA) on a student's MSU transcript.

Transfer grades are assigned on the basis of the MSU grading policy. Courses taken at institutions that do not use a grading system comparable to the MSU grading system (i.e., an A, B, C, D, F grading scale, regardless of whether pluses and minuses are used) will be evaluated with the transfer grade equivalents of Pass or Not Pass. "Withdraw failing" grades are calculated in a student's transfer grade point average as "F" grades. Failing grades assigned as a result of academic dishonesty will be so noted in transfer and treated as "F" grades.

Courses for which transfer credit is awarded that are taken at colleges and universities not accredited by a USDE approved regional accrediting organization or the ABHE will be treated as "Pass/Not Pass" courses for grading purposes. This includes courses taken through

colleges or universities in other countries.

A student's grade point average at MSU is based only on courses completed at MSU. A transfer grade point average is carried as part of the student's total record. The MSU and transfer grade point average are combined into a combined grade point average. Refer to the MSU undergraduate catalog for details on how MSU and combined grade point averages are used (e.g., to determine eligibility for admission to programs, academic status, and graduation honors).

Repeating courses

The MSU repeat policy applies to transfer credit as well as MSU credit. Transfer students also have the option to apply for academic renewal under the academic renewal policy.

Transfer of general education requirements

MSU adheres to the guidelines set forth in *Credit Transfer: Guidelines for Student Transfer and Articulation among Missouri Colleges and Universities*, approved by the Missouri Coordinating Board for Higher Education (CBHE) in June 2000 and revised in April 2013. Under these guidelines, students who transfer from Missouri public colleges and universities and Missouri private institutions that adhere to these guidelines will be considered as having met the MSU general education requirements if they complete:

- an Associate of Arts (AA) or an Associate of Arts in Teaching (AAT) degree; or,
- the Missouri CORE 42 requirement; or,
- the designated general education program at the other institution, provided that the institution certifies the student's completion of that program on an official transcript.

MSU will also honor an AA or AAT degree from any college or university accredited by a USDE-recognized regional accrediting organization. Students with an AA or AAT degree from such an institution will be exempt from the MSU general education requirements. This is a policy of MSU and may not be recognized by other institutions to which a student may subsequently transfer.

Students with a two-year degree other than an AA or AAT (for example, an Associate of Science or an Associate of Applied Science) are not exempt from MSU general education requirements on the basis of their degrees unless approved for an exception by the Provost or designee. Such students will receive a course-by-course evaluation of their transfer credit that will indicate applicability of their courses to MSU general education requirements.

Students who have a bachelor's degree from a college or university accredited by a USDE-recognized regional accrediting organization or by the ABHE and who wish to pursue an additional undergraduate degree will be exempt from all general education requirements at MSU.

Students who have completed or been exempted from the general education requirements by any of the provisions listed above are not exempt from specific course requirements for their majors, even if those courses may be used to satisfy general education requirements at MSU.

Special provisions regarding transfer of credit from two-year institutions

Students are generally awarded only lower division credit for courses completed at two-year institutions. Departments may approve individual courses for upper division credit and may require that a student complete a validation examination or course at MSU.

Professional education courses at Missouri community colleges must be approved by the Missouri Department of Elementary and Secondary Education (DESE) to be acceptable in transfer as specific equivalencies for MSU professional education courses required for the Bachelor of Science in Education or Bachelor of Music Education degrees. Such courses that are not approved by DESE may transfer as elective credit.

If a direct equivalency is not given by an academic department, but the College of Education decides that substantial similarity exists between a course taken at the community college with the DESE approved education program and an MSU course with respect to Missouri Teaching Standards (MTS), a code will be assigned to the transfer credit associated with the community college course that will allow it to substitute for the MSU course in an undergraduate education degree program. Such credit is at the lower-division level unless otherwise specified.

The MSU Professional Education Certification office maintains additional information on its website.

Transfer credit limit

No limit exists on the number of credits that may be transferred from other institutions; however, students must meet the minimum residence and upper division requirements in effect at MSU to receive a degree, as described in the MSU catalog.

Transfer of dual credit courses

Courses taken for dual credit (courses for which students receive both high school and college credit) are evaluated for transfer credit in the same manner as traditional courses offered by the institution through which they are taken. No limit exists on the number of transfer credit hours that will be awarded for dual credit courses.

Credit for military education and experience

MSU maintains a separate policy regarding credit for military education and experience.

Prior learning assessment/credit for experiential learning

The University recognizes that students may attain college-level competencies through a variety of extra institutional means, including rigorous high school curricula, professional or military experience, corporate training, and self-directed learning. MSU maintains a separate prior learning assessment policy through which students may be considered for credit.

Administration of policy and right of appeal

The Provost has delegated the authority for administering this policy to the Office of Admissions. Students with questions regarding initial determinations of transferability or course equivalencies are encouraged to contact the Office of Admissions for clarification or guidance. Appeals of transferability or course equivalency decisions may be submitted as outlined under the "Appeal of transferability or course equivalencies" section of this policy. Students have a right to appeal previous decisions by contacting the MSU Articulation Officer, appointed by the Provost. The final level of appeal within the institution is the Provost. Students from Missouri public institutions have the right of further appeal as outlined in *Credit Transfer: Guidelines for Student Transfer and Articulation among Missouri Colleges and Universities*, available on the CBHE website.

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Missouri State

Veterans Benefits

In compliance with the Veterans Benefits and Transition Act of 2018, Missouri State will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries or other institutional facilities, or the requirement that a Chapter 31 or Chapter 33 recipient borrow additional funds to cover the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement of a payment by the U.S. Department of Veterans Affairs provided the student.

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Missouri State

Office of the Registrar
Undergraduate Catalog

General Education Program and Requirements

Every course in the program will promote a common set of General Education objectives. The major components are Foundations and Breadth of Knowledge.

- Most students will complete the General Education Program with 45 credit hours.
- Many majors and degrees require specific General Education courses. Students should review specific major and/or degree requirements before enrolling in General Education courses.
- Students are strongly encouraged to complete their Foundations before completing 75 credit hours.
- All students are required to have a 2.00 cumulative grade point average (transfer and Missouri State combined) in their General Education Program in order to graduate.
- General Education courses may not be taken on a Pass/Not Pass basis.
- Excluding the Foundations area, students may count no more than 3 courses with the same course code towards the General Education requirements.

Learn more about the Goals of General Education and Learning Outcomes.

Contact

Administrator

Rachelle L. Darabi, Associate Provost for Student Development and Public Affairs

Office

University Hall, Room 115

Phone

417-836-8346

Fax

417-836-6372

Website

www.missouristate.edu/generaleducation/

Foundations (14-16 hours)

First-year seminar

General Learning Goals: Public Affairs (GG12, GG13 and GG14), Information Literacy (GG6), and Collaboration (GG7)

Complete one course (2 hours). Must be taken during first semester on campus.

Course Options

GEP 101 – First Year Foundations (2) **or**

UHC 110 – Freshman Honors Seminar (2) Note: required for Honors College students.

Focus on Written Communication and Information Literacy

General Learning Goals: Written Communication (GG3) and Information Literacy (GG6)

Complete one course (3 hours). Should be taken during first year.

Course Option

ENG 110 – Writing I (3)

Focus on Oral Communication

General Learning Goals: Oral Communication (GG4) and Information Literacy (GG6)

Complete one course (3 hours). Should be taken during first year.

Course Option

COM 115 – Fundamentals of Public Speaking (3)

Focus on Quantitative Literacy

General Learning Goals: Quantitative Literacy (GG5)

Complete one course (3-5 hours).

Course Options

MTH 130 – Contemporary Mathematics (3)

MTH 134 – Algebraic Reasoning and Modeling (3)

MTH 135 – College Algebra (3)

MTH 136 – Pre-Calculus 1 (3)

MTH 137 – Pre-Calculus 2 (3)

MTH 138 – Pre-Calculus Mathematics (5)

MTH 181 – Trigonometry (3)

MTH 261 – Analytical Geometry and Calculus I (5)

MTH 287 – Computational Calculus with Analytical Geometry I (3)

Focus on Written Communication and Integrative and Applied Learning

General Learning Goals: Written Communication (GG3) and Integrative and Applied Learning (GG15)

Complete one course (3 hours).

Course Options

AGR 320 – Writing II: Writing in the Applied Sciences (3)

ENG 210 – Writing II: Writing Across the Disciplines (3)

ENG 221 – Writing II: Writing for the Professions (3)

ENG 310 – Writing II: Writing for Graduate and Professional Schools (3)

ENG 321 – Writing II: Beginning Technical Writing (3)

GLG 358 – Writing II: Reporting Geological Information (3)

HST 210 – Writing II: Historical Inquiry (3)

NUR 472 – Writing II: Nursing Research and Scholarly Writing (3)

Breadth of Knowledge (31-33 hours)

Breadth of Knowledge (31-33 hours)

Knowledge of Human Cultures (*12 hours, four different course codes*)

Focus on Social and Behavioral Sciences

General Learning Goals: Social and Behavioral Sciences (GG8)

Complete two courses (6 hours).

Course Options

AGR 100 – Food Security (3)

ANT 125 – Exploring our Human Ancestry (3)

CFD 155 – Principles of Human Development (3)

CFD 163 – Relationships in Today's Families (3)

CRM 220 – Criminology (3)

ECO 155 – Principles of Macroeconomics (3)

ECO 165 – Principles of Microeconomics (3)

GRY 108 – Principles of Sustainability (3)

MED 120 – Mass Media and Society (3)

PSY 121 – Introductory Psychology (3)

REL 131 – Religion in America (3)

SOC 150 – Introduction to Society (3)

Focus on Humanities

General Learning Goals: Humanities and the Arts (GG9)

Complete one course (3 hours).

Course Options

AAS 100 – Introduction to African American Studies (3)

ART 271 – History of Western Art I (3)

ART 272 – History of Western Art II (3)

ART 273 – Survey of the Art of Africa, Oceania, and the Americas (3)

ART 274 – Survey of Asian Art (3)

ENG 200 – Great Books and Instant Classics (3)

ENG 282 – Literature by Women (3)

ENG 283 – Folklore and Cultural Engagement (3)

HST 103 – World History to Circa 1600 C.E. (3)

HST 104 – World History Since 1600 C.E. (3)

LLT 121 – Classical Mythology (3)

MED 274 – Introduction to Film (3)

MUS 241 – The Language of Music (3)

PHI 110 – Introduction to Philosophy (3)

REL 101 – Old Testament/Hebrew Bible (3)

REL 102 – New Testament (3)

Focus on the Arts

General Learning Goals: Humanities and the Arts (GG9) and Collaboration (GG7)

Complete one course, (3 hours).

Course Options

ART 200 – Art in Context (3)

DAN 180 – Introduction to the Dance (3)

ENG 203 – Creative Writing: Poetry (3)

ENG 205 – Creative Writing: Nonfiction (3)

ENG 215 – Creative Writing: Short Story (3)

MUS 239 – Introduction to World Music (3)

THE 101 – Introduction to Theatre and Drama Arts (3)

Knowledge of the Natural World

(*7-9 hours with one course in each category (e.g., focus); with two different course codes; and at least one course must have a lab.)*

Focus on Life Sciences

General Learning Goals: Life Sciences (GG10)

Complete one course (3-4 hours).

Course Options

BIO 100 – Biological Sciences for Educators (4) **(lab)**

BIO 101 – Biology in Your World (3)

BIO 111 – Laboratory for Biology in Your World (1) **(lab)**. Note: Student must have completed BIO 101 or be concurrently enrolled in both BIO 101 and BIO 111.

BIO 121 – General Biology I (4) **(lab)**

BMS 100 – Concepts and Issues in the Life Sciences (3)

BMS 101 – Concepts and Laboratory in the Life Sciences (1) **(lab)**. Note: Student must have completed BMS 100 or be concurrently enrolled in both BMS 100 and BMS 101.

BMS 110 – Introduction to the Biomedical Sciences (3)

BMS 111 – Introductory Laboratory in the Biomedical Sciences (1) **(lab)**. Note: Student must have completed BMS 110 or be concurrently

enrolled in both BMS 110 and BSM 111.

GLG 115 – Life of the Past (3)

Focus on Physical Sciences

General Learning Goals: Physical Sciences (GG11)

Complete one course (3-5 hours).

Course Options

AST 113 – Modern Astronomy (3)

AST 114 – Survey of Astronomy (4)

AST 115 – Basic Astronomy (4) **(lab)**

CHM 107 – Chemistry for the Citizen (3)

CHM 108 – Chemistry for the Citizen Laboratory (1) **(lab)**. Note: Student must have completed CHM 107 with a grade of "C" or better or be concurrently enrolled in both CHM 107 and CHM 108.

CHM 116 – Fundamentals of Chemistry (4)

CHM 117 – Fundamentals of Chemistry Laboratory (1) **(lab)**. Note: Student must have completed CHM 116 with a grade of "C" or better or be concurrently enrolled in both CHM 116 and CHM 117.

CHM 160 – General Chemistry I (4)

CHM 161 – General Chemistry I Laboratory (1) **(lab)**. Note: Student must have completed CHM 160 or be concurrently enrolled in both CHM 160 and CHM 161.

GLG 110 – Principles of Geology (4) **(lab)**

GLG 171 – Environmental Geology (3)

GRY 135 – Principles of Weather and Climate (4) **(lab)**

GRY 142 – Introductory Physical Geography (4) **(lab)**

PHY 100 – Survey of Physics with Laboratory (4) **(lab)**

PHY 101 – Physics by Inquiry for Educators (4) **(lab)**

PHY 123 – Introduction to Physics I (4) **(lab)**

PHY 203 – Foundations of Physics I (5) **(lab)**

Public Affairs (*12 hours; four different course codes*)

Focus on Constitutions of U.S. and Missouri and American History and Institutions

General Learning Goals: Cultural Competence (GG13) and either Community Engagement (GG12) or Ethical Leadership (GG14)

Complete two courses (6 hours) with two different course codes.

Course Options

HST 121 – Survey of the History of the United States to 1877 (3) **OR** HST 122 – Survey of the History of the United States Since 1877 (3)

PLS 101 – American Democracy and Citizenship (3)

Focus on Cultural Competence

General Learning Goals: Cultural Competence (GG13) and either Community Engagement (GG12) or Ethical Leadership (GG14)

Complete one course (3 hours).

Course Options

ANT 100 – World Cultures (3)

COM 260 - Communicating with Cultural Competence (3 hours)

ENG 289 – Literature, Culture, and Conflict (3)

GRY 100 – World Regional Geography (3)

IDS 297 – International Culture and Study Abroad (3)

LLT 180 – The Heroic Quest (3)

MCL 200 – Global Perspectives on Languages and Cultures in Society (3)

MTH 121 – Multicultural Views of History and Mathematics (3)

REL 100 – Introduction to Religion (3)

REL 210 – Paths of World Religion (3)

SWK 219 – Human Diversity (3)

Focus on Public Issues

General Learning Goals: Critical Inquiry (GG1), Creative Thinking and Expression (GG2), and Public Affairs (GG12, GG13 or GG14)

Complete one course (3 hours). Prerequisite: 12 completed hours.

Note: *Students who successfully complete Basic Training in any of the United States Military branches will be awarded 3 hours of transfer credit which will satisfy the Focus on Public Issues requirement.*

Course Options

CIS 200 – Critical and Creative Thinking Using Information Technology (3)

CRM 210 - Introduction to the American Criminal Justice System (3)

CSC 210 – Public Affairs Issues in Computing (3)

ECO 101 – Economics of Social Issues (3)

EDC 249 – Schooling in America (3)

ENG 201 – Public Issues in Popular Culture (3)

ENG 222 – Writing for Social Change (3)

GEO 200 - Exploring Our Digital Earth (3)

KIN 210 – Healthy Lifestyles: Preventive Approaches (3)

KIN 286 – Ethics and Diversity in American Sport (3)

PHI 105 – Critical Thinking (3)

PHI 115 – Ethics and Contemporary Issues (3)

PLN 100 – Understanding Cities (3)

SOC 152 - Social Problems in the Community (3)

Appeals for exceptions

The General Education Program of the University is administered by the Associate Provost for Student Development and Public Affairs. Appeals for exceptions to the General Education Program and/or requirements should be made to the Associate Provost for Student Development and Public Affairs. Students who are unsatisfied with the Associate Provost's decision may appeal to the Degrees Committee. Students who are unsatisfied with the Degrees Committee decision may appeal to the Provost.

42-hour general education transfer block

In accordance with the transfer policy of the Missouri Coordinating Board of Higher Education, Missouri State has identified the following 42-hour block of general education classes. Upon completion of this block, a student may submit a request through the Office of the Registrar for a 42-hour block notation to be entered on the student's transcript. If the student then transfers to another participating school in the state, the receiving institution should accept the Missouri State 42-hour block as equivalent to their own general education block. In a similar manner, if a student transfers to Missouri State with certification of a completed 42-hour general education block from another participating institution, the student will not be required to take any of the following classes at Missouri State unless they are needed to fulfill a requirement of the student's major, minor or degree.

Foundations (14 hours)

1. First Year Seminar (2)
2. Focus on Written Communication and Information Literacy; ENG 110 (3)
3. Focus on Oral Communication; COM 115 (3)
4. Focus on Quantitative Literacy (3)
5. Focus on Written Communication and Integrative and Applied Learning (3)

Breadth of Knowledge (28 hours)

1. Knowledge of Human Cultures (12)
    a. Focus on Social & Behavioral Sciences (6)
    b. Focus on Humanities (3)
    c. Focus on the Arts (3)
2. Knowledge of the Natural World (7)
    a. Focus on Life Sciences (3)
    b. Focus on Physical Sciences (3)
    c. Life or Physical Sciences Lab; separate or embedded (1)
3. Public Affairs (9)
    a. Focus on Constitutions of U.S. and Missouri and American History and Institutions (3)
    b. Focus on Cultural Competence (3)
    c. Focus on Public Issues (3)

CORE 42 - Missouri Higher Education Core Transfer Curriculum

CORE 42 is a statewide transferable general education lower-division core curriculum of 42 semester credit hours among all Missouri's public Institutions of Higher Education (IHE). The courses are designed to ensure that all graduates from Missouri IHE possess a common core of college-level competencies, skills, and knowledge. Completion of all 42 semester credit hours will result in completion of general education at any Missouri IHE. Upon completion of this CORE 42, a student may submit a request through the Office of the Registrar for a CORE 42 notation to be entered on the student's transcript. If the student then transfers to another participating school in the state, the receiving institution will accept the Missouri State CORE 42 as equivalent to their own general education block. In a similar manner, if a student transfers to Missouri State with certification of CORE 42 from another Missouri IHE, the student will not be required to take any of the Missouri State General Education requirements unless they are a requirement of the student's major, minor, or degree.

Missouri State General Education requirements unless they are a requirement of the student's major, minor, or degree.

View the list of approved MOTR courses offered at Missouri State University at: CORE 42 at MSU website. For approved MOTR courses at other Missouri public colleges and universities go to: Missouri Department of Higher Education CORE.

CORE 42 is comprised of at least 42 semester credit hours of courses distributed across five knowledge areas. Courses that are approved for CORE 42 contain a Missouri Transfer (MOTR) course number in the undergraduate catalog.

CORE 42 Knowledge Areas and Requirements:

1. Communications (minimum of 9 MOTR credit hours)
   a. Written Communications (minimum of 6 MOTR credit hours)
   b. Oral Communications (minimum of 3 MOTR credit hours)
2. Mathematical Sciences (minimum of 3 MOTR credit hours)
   *MTH courses that use one of the MOTR MATH courses as a prerequisite will meet requirement for this area (i.e. Trigonometry, Calculus, etc.).
3. Social and Behavioral Sciences (minimum of 9 credit hours)
   a. Must include minimum of 3 credit hours Civics course (MOTR POSC 101, MOTR HIST 101, or MOTR HIST 102)
   b. Must include at least 2 disciplines (e.g., MOTR PSYC 100, MOTR HIST 101; discipline designation four letters after MOTR before the number)
4. Natural Sciences (minimum of 7 credit hours from 2 disciplines; one MOTR course with a lab component)
5. Humanities and Fine Arts (minimum of 9 credit hours; from at least 2 disciplines)
6. Additional MOTR Courses (select from any knowledge area MOTR courses to make at least 42 MOTR credit hours; approximately 5 MOTR credits).

Eligibility for CORE 42 completion instead of Missouri State University General Education is determined using the following criteria:

- Student has transferred to Missouri State University in the spring 2019 semester or later from a Missouri public college or university.
- Student has earned 12 or more transferrable credit hours at a Missouri public college or university following graduation from high school (credits earned through dual credit do not count in eligibility).

Changing your General Education Placement

- A transfer student that has been initially placed on CORE 42 because of meeting the eligibility requirements above may request to be placed instead on the Missouri State University General Education requirements. A student may submit a request through the Office of the Registrar for this change.
- A student who initially enrolls at Missouri State as a degree-seeking student during or after the Fall 2018 semester and who has transfer credits from a Missouri public institution, but who does not meet the above criteria for eligibility (i.e., and is placed under Missouri State general education requirements) may appeal to be placed under Missouri CORE 42 requirements instead (appeals made to the Associate Provost for Student Development and Public Affairs).

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Missouri State

Office of the Registrar
Undergraduate Catalog

General Baccalaureate Degree Policies and Requirements

Effective spring 2018, the minimum credit requirement for an undergraduate degree has been reduced from 125 to 120. This applies to all undergraduate students regardless of degree or major catalog term.

NOTE: Some programs have specific requirements that total more than 120 credit hours. This change will not impact students in those programs.

Op3.04-27 General Baccalaureate Degree Policies and Requirements

General degree policies

Majors and options

A major is an academic program of study. A major may be divided into options or emphasis areas that consist of a core area of study plus selected topical courses related to the specified option. The diploma will list the major and not the option. For example, a student majoring in Marketing with an option in Advertising and Promotion will have Marketing listed on the diploma. Both the major and the option title will be listed on the student transcript.

Multiple degrees and/or multiple majors

For students with two majors, the first will determine the students' department and dean for various administrative purposes.

Students who complete the requirements for two or more majors under the same degree in the same semester will be awarded one diploma listing all majors. If either major requires a minor, the other major will fulfill this requirement. An additional major option or university certificate will not fulfill a minor requirement.

Students who complete the requirements for two or more different degrees in the same semester will be awarded a diploma for each degree.

Multiple use of courses

Courses may be counted toward meeting the requirements in more than one area (major and minor, two majors, major and general education requirements, etc.) unless specifically prohibited by the academic departments and/or degree requirements and so stated in the catalog.

Courses completed for graduate credit other than approved mixed credit courses cannot be applied toward an undergraduate degree program, nor can courses taken for undergraduate credit be applied toward a graduate degree program.

Additional undergraduate degree and/or major

Students who have previously earned a baccalaureate degree may return to pursue an additional major or degree. A student may also pursue multiple majors and/or degrees at the same time.

A student may not receive a second baccalaureate degree with the same major (even if the option within the major is different) as a degree previously earned unless one of the degrees is an education degree (e.g. Bachelor of Science in Education or Bachelor of Music Education) and the other degree is not.

Students pursuing multiple options of the same major must graduate with the multiple options during the same semester of graduation as the student may not return in a later semester and be awarded the same major again.

Students who have earned a bachelor's degree from an institution accredited by a regional accrediting association recognized by the Council for Higher Education Accreditation (CHEA) are considered to have fulfilled general education requirements for the subsequent major/degree. Additionally, for students pursuing a subsequent degree that requires a minor, the major on the previous degree will fulfill the requirement.

Minors

Minors may only be awarded as part of an earned degree and must be of the same degree type as the degree. A minor cannot be in the same field of study as a current or previously earned major. A minor cannot be awarded independently and students cannot complete a minor post-graduation to add to a previously awarded degree.

Teacher certification

A Bachelor of Science in Education or Bachelor of Music Education degree may be granted without a recommendation for a teaching certificate if the graduate does not present evidence of good moral character as determined by the Professional Education Committee.

Time limit

Credit for courses completed in the major more than eight years before the student's date of graduation may be disallowed by the major department.

Bachelor's degree requirements

Catalog of graduation

Students shall satisfy the General Education, General Baccalaureate Degree Requirements, and Scholastic Honors requirements in effect upon first enrollment as a degree-seeking student at Missouri State. Major and minor requirements and other specific degree requirements in effect at the time the student is admitted to that program shall be satisfied. Candidates for the Bachelor of Science in Education and Bachelor of Music Education degrees must meet all Missouri state teacher certification requirements in effect at the time the certificate is granted.

If a student re-enrolls after an absence of one calendar year or more from Missouri State, requirements in effect at the time of readmission as a degree-seeking student must be satisfied. Any undergraduate student who re-enrolls at Missouri State within one year of being released from military assignment shall be allowed to continue under the same "catalog of graduation." Any undergraduate student who had been admitted to a degree program or any graduate student with an approved program of study prior to mobilization and who re-enrolls within one year of being released from military assignment shall not be subject to any additional degree requirements enacted in the interim.

Transfer students from Missouri public colleges and universities may follow the general education and general baccalaureate degree requirements in effect at Missouri State when they first enrolled (or re-enrolled after an absence of one calendar year or more) as degree-seeking students at the institutions from which they transferred. The general education catalog year for these students will be established at the point of admission on the basis of this policy. Students who elect instead to follow the general education and general baccalaureate degree requirements in effect during their first semester may do so by notifying the Office of the Registrar.

Credits and grade point average requirements

All candidates for any baccalaureate degree must meet the following minimum credits and grade point average requirements:

1. Completed a total of at least 120 semester hours of credit. *(Note: This requirement first applies to students applying to graduate in the spring 2018 semester.)*
2. Completed 40 hours of upper division credit (courses numbered 300 and above).
3. Attained at least a 2.00 Missouri State cumulative GPA.
4. Attained at least a 2.00 combined (MSU and transfer) GPA.
5. Attained at least a 2.00 general education GPA on all courses used to meet the student's General Education requirements.
6. Attained at least a 2.00 GPA on all courses that are required in the major.
7. Attained at least a 2.00 GPA on all courses that are required in the minor.

Candidates for the Bachelor of Science in Education degree are also required to meet the following additional grade point average requirements. All GPA requirements include both Missouri State and transfer grades.

1. Attain at least a 2.75 combined (MSU and transfer) cumulative GPA.
2. Attain at least a 3.00 GPA in the certificate subject area (major field of study).
3. Attain at least a 3.00 GPA in any additional certificate subject area.
4. Attain at least a 3.00 GPA in the professional education courses.
5. Have no grade lower than a “C” in all professional education courses.

Note: Many majors and minors require a GPA higher than the above stated minimums for admission, graduation, or both. Such requirements are listed as a part of the major or minor requirements.

Public Affairs Capstone Experience

All candidates for any baccalaureate degree must have completed a capstone experience (the equivalent of at least three cumulative credit hours) related to the major. The capstone experience allows a student to demonstrate the capacity to synthesize and apply information, demonstrate analytical, practical, and interpretive skills and promulgate ideas acquired from the major to bear on one significant summative experience, project, or class intrinsic to two elements of the public affairs mission. The capstone experiences/projects/classes will be designed and approved by individual departments or programs. The course number and credit hours assigned to the capstone experience will be determined by the department and specified within each major’s requirements.

University exit exam

All students admitted into a baccalaureate degree program must complete a University Exit Exam. Students must take this University Exit Exam prior to graduation and upon the completion of 90 or more credit hours.

Students who complete more than one baccalaureate degree are only required to take the exam one time. Requests for exceptions to the exam requirement due to extreme hardship should be directed to the Office of the Provost. Information regarding the University Exit Exam may be obtained online.

Missouri Higher Education Civics Achievement Examination

In compliance with Mo. Rev. Stat. § 170.013, all undergraduate, degree-seeking students with a general education catalog semester/year of fall 2019 or later must, prior to graduation, pass an examination on the provisions and principles of American civics (Missouri Higher Education Civics Achievement Examination) with a score of seventy percent or greater.

Residence requirements

A candidate for a degree who transfers credit from another college must meet the following residence requirements:

1. Complete a minimum of at least 30 hours of courses administered by the Springfield Campus.
2. Complete at least 12 hours of upper division credit in the major in courses administered by the Springfield Campus.
3. Complete at least 6 hours of upper or lower division credit in the minor in courses administered by the Springfield Campus.
4. Complete at least 20 out of the last 30 hours in courses administered by the Springfield Campus. Students who have completed at least 90 hours in courses administered by the Springfield Campus, may petition the department head of their major to take less than 20 out of the last 30 hours on the Springfield Campus. If this petition is granted, written approval from the department head must be forwarded

to the Office of the Registrar prior to the semester of graduation.

Exceptions to 20 out of the last 30 hours requirement are made for the following: a) Medical Technology majors when the last year is completed at an approved school of Medical Technology, b) Radiography majors when the last two years are completed at an approved school of Radiologic Technology, c) Animal Science major when the last two years are completed at the University of Missouri School of Veterinary Medicine, d) students who participate in a Missouri State study away or exchange program approved by the Office of International Programs, and e) students in the West Plains Campus completion degree programs.

Appeals for exceptions

Students who wish to appeal for exceptions to the general baccalaureate degree requirements should submit an appeal to the Degrees Committee. The procedure for submitting an appeal is maintained by the Office of the Provost.

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Missouri State

Office of the Registrar
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Bachelor of Arts Requirements

All students pursuing a Bachelor of Arts degree must satisfy the following degree requirements:

A. **Language Requirement.** Complete one of the following options:
   1. Complete 12 hours in a single language offered by the Department of Modern and Classical Languages. Students with advanced proficiency in a language other than English may be exempted from this requirement with approval from the head of the Department of Modern and Classical Languages.
   2. Complete 12 hours in American Sign Language (ASL) courses. Consult with the Department of Communication Sciences and Disorders regarding any exceptions or substitutions.

B. **World History.** Complete both HST 103 and HST 104 (6 hours). Note: may also count toward the General Education Focus on Humanities requirement.

C. **Philosophy.** Complete 3 hours of Philosophy. Note: PHI 105 or PHI 115 may also count toward the General Education Focus on Public Issues requirement.

D. **Fine Arts.** Complete 6 hours chosen from any of the following courses. Courses used to meet the Fine Arts requirement cannot be used to meet the General Education Program requirements. Following three departments have additional restrictions on double-counting of courses: English; Modern and Classical Languages; and Theatre and Dance. Refer to the department page for more information.
   1. **Art:** ART 200, 271, 272, 273, 274, 374, 378, 381, 382, 385, 386, 387, 472, 474, 475, 478, 479, 480, 483, 484, 485
   2. **Literature:** ENG 184, 200, 282, 287, 289, 312, 330, 334, 336, 338, 340, 341, 350, 351, 354, 355, 360, 361, 362, 363, 366, 455, 483, 485, 510, 512, 513, 514, 517, 519, 533, 534, 536, 541, 543, 544, 546, 547, 548, 553, 554, 557, 558, 559, 563, 568, 580, 583
   3. **Language/Literature from Modern and Classical Language:** ARB 297; CHI 297, 410, 498; FRN 297, 326, 335, 381, 382, 410, 412; GRM 297, 320, 325, 400, 410, 455, 465, 475, 485, 495, 498; GRK 297, 301, 302, 498; HBW 297; ITL 297; JPN 297; KOR 297; LLT 121, 180, 215, 225, 240, 271, 296, 321, 325, 326; LTN 450, 451, 460, 461, 470, 471; PTG 297; RUS 297; SPN 297, 314, 320, 325, 326, 410, 450, 460, 480, 495, 510
   4. **Music:** MUS 239, 241, 345, 346
   5. **Kinesiology:** KIN 240. Note: this is a 2-hour course.
   6. **Theatre and Dance:** DAN 180; THE 101, 109, 541, 542, 543, 545, 547

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Missouri State

Office of the Registrar
Undergraduate Catalog

Teacher Certification, Teacher Education Program and Secondary Education Requirements

The Teacher Education Program and the Secondary Education programs are interdisciplinary in nature and applicable to all students pursuing teacher certification. These programs are overseen by the Educator Preparation Provider (EPP) with a Educator Preparation Provider Council (EPPC) and numerous subcommittees. All academic departments/schools with a teacher education program participate in these committees and administer their programs in accordance with approved policies and curriculum. The following offices assist the EPP, EPPC, and the departments in administering the programs.

- **Educator Preparation Provider Head:** Dr. Chris Craig, Deputy Provost, Carrington Hall, room 209, 417-836-5022
- **Professional Education Certification:** Kim Dubree, Director, 417-836-8772
- **Education Advisement:** Juli Panza, Coordinator, 417-836-5429
- **Secondary Education Advisement:** Dr. Karen Engler, Director, 417-836-6204

Teacher education program

The professional education programs have received continuing accreditation by the Missouri Department of Elementary and Secondary Education for teacher preparation and certification. Admission to the University does not automatically qualify a student to participate in the professional component of the teacher education program. A high level of academic and professional competence is required for admission to and continuation in the teacher education program. Completion of the program is designed to lead to certification to teach in Missouri public schools.

Postbaccalaureate teacher certification

Students who have already obtained a bachelor's degree and are seeking Missouri state teacher certification should contact the Teacher Certification Office, 417-836-8772. This office provides a program evaluation service for initial certificates ($25 fee required), advisement and assistance to gain certification and/or additional endorsements.

Diversity component

Diversity coursework is required through professional and program-specific courses. Students must consult with the program or department of major for specific program requirements that may meet this diversity component.

Professional liability

All candidates for professional education programs at Missouri State University are required to have professional liability insurance coverage before being placed in the initial practicum, and/or subsequent clinical and field experiences. The proof of coverage must accompany all other required documentation prior to placement. No exceptions may be granted. For more information, refer to Professional Liability Insurance.

Transition points

Transition points

All students pursuing Missouri certification are required to meet a series of Transition Points that will be assessed, evaluated, and monitored throughout the teacher education program with assistance and guidance from faculty. There are five distinct Transition Points students meet from entry to their education program to follow up post graduate training.

Transfer credit

To apply transfer credit in educational methods courses to the degrees of Bachelor of Science in Education, Bachelor of Music Education, or Bachelor of Science – Modern Language with an option in Teacher Certification, a student enrolled at Missouri State should contact their academic advisor for assistance.

Certification eligibility requirements

Completion of certification requirements is a four-step process. Students who receive a certification recommendation must meet the standards for certification eligibility as outlined below:

A. **Requirements for Eligibility to Enroll in Professional Education Courses:** Before a student can enroll in the introductory methods courses (ECE 304, ELE 302, KIN 200, MUS 200, SEC 302, or SPE 310), the student must have:
   a. A combined (Missouri State and transfer) GPA of 2.50 or higher.
   b. Meet with academic advisor to determine whether completion of EDC 150 transfer section is required. Note: For Agriculture Education, Early Childhood Education, Elementary Education, Music Education, Physical Education, and Special Education majors, competency is covered in major requirements.
   c. Completion of Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI Fingerprinting Background Check prior to any clinical experience placement. For more information, refer to Compliance Documents Required for Practicum, Internship or Student Teaching.

B. **Requirements for Admission to and Continuance in the Teacher Education Program:** Students who plan to complete teacher certification requirements must be admitted to the Teacher Education Program. Eligibility is automatically monitored when enrolling in EDC 150 transfer section, ECE 304, ELE 302, KIN 200, MUS 200, SEC 302, or SPE 310. Admission to the Program is required before students are allowed to begin additional courses in the professional education component (with the exception of EDT 365 which may be taken concurrently with EDC 345, ELE 302, SEC 302, or SPE 310).

   The criteria used to determine admission to the Teacher Education Program are outlined below. In addition to having completed at least 45 semester hours (secondary and middle school majors) or 30 semester hours (early childhood, elementary, and special education majors) of university coursework, the student must have:
   1. Earned a combined (Missouri State and transfer) GPA of 2.75 or higher. A major (certificate subject area) GPA of 2.75 or higher is also required for students in History (Social Science), and a major (certificate subject area) GPA of 3.00 and passing score on the piano proficiency exam are also required for all students in Music education.
   2. Earned a composite score of 20 or better on the ACT or earned a passing score on all four sub-tests of the Missouri General Education Assessment (MoGEA).
   3. Earned a grade of “C” or higher in COM 115.
   4. Purchased and activated a subscription to Taskstream (comprehensive portfolio system).
   5. Completed ECE 304, ELE 302, KIN 200, MUS 200, SEC 302, or SPE 310, with a grade of “C” or higher. Note: A grade of "B" or higher is required in ELE 302 or transfer equivalent for Elementary Education majors.
   6. Completion of Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI Fingerprinting Background Check prior to any clinical experience placement. For more information, refer to Compliance Documents Required for Practicum, Internship or Student Teaching.
   7. Completed Disposition Checklist and Student Contract.

Upon completion of the above requirements, a student’s record is reviewed and submitted to the Educator Preparation Provider Council (EPPC) for admission to Teacher Education. A student’s qualifications for continuance in the Teacher Education Program is subject to review and change by the EPPC at any time while the student is enrolled. Students should check with their advisor or department head for any additional program specific requirements.

C. **Requirements for Assignment to Supervised Teaching (effective fall 2017 and after):** Successful completion of supervised teaching is

C. **Requirements for Assignment to Supervised Teaching (effective fall 2017 and after):** Successful completion of supervised teaching is a requirement for teacher certification. The criteria used to determine eligibility for Supervised Teaching are outlined below. The student must have:

1. Been admitted to the Teacher Education Program and completed Transition Point #1 and Transition Point #2.
2. Current and valid TB test.
3. Current and valid Professional Liability Insurance.
4. Completion of Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI Fingerprinting Background Check prior to any clinical experience placement. For more information, refer to Compliance Documents Required for Practicum, Internship or Student Teaching.
5. A combined (Missouri State and transfer) GPA of 2.75 or higher for all college level coursework completed.
6. Completed at least 15 hours at Missouri State.
7. Completed all courses in the major (certificate subject area) with a combined (Missouri State and transfer) GPA of 3.00 or higher.
8. Completed all Professional Education courses with a grade of "C" or higher (Elementary Education majors are required to have a grade of “B” or higher).
9. Complete all degree requirements except supervised teaching, or have an approved exception on file.
10. Attempted the Missouri Content Assessment (MoCA) in the certification area (must be passed for certification recommendation).
11. Been recommended by the student’s advisor. The recommendation shall be based upon the applicant’s character, personality, and potential for teaching.
12. Been recommended by the department in which the student is completing an undergraduate major or seeking certification. For those students completing a degree which involves significant work in more than one department (i.e., Speech and Theatre Education) the departmental recommendation will come from the department in which the greatest number of hours is completed. For those students who have already completed a degree, the departmental recommendation will come from the department which would normally provide the majority of the course work for that certification.

D. **Requirements for Certification Recommendation (effective fall 2017 and after):** To be recommended for an initial Missouri teaching certification, the student must have:

1. Successfully completed Supervised Teaching
2. Met all Missouri teacher certification requirements which are in effect at time of certification. These requirements are normally met by persons earning the degrees of Bachelor of Science in Education, Bachelor of Music Education, or Bachelor of Science – Modern Language with an option in Teacher Certification.
3. A combined (Missouri State and transfer) GPA of 2.75 or higher.
4. Completed all Professional Education courses with a combined (Missouri State and transfer) GPA of 3.00 or higher and no grade lower than “C” (Elementary Education majors require no grade lower than “B”).
5. A combined (Missouri State and transfer) GPA of 3.00 or higher in the major (certificate subject area) and for each additional area of endorsement.
6. Successful completion of the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education.
7. Completed Transition Point #3.

The Missouri Department of Elementary and Secondary Education (DESE) will require a current and valid FBI background check prior to issuing a certificate.

Secondary Education (Certifiable grades 9-12 and K-12)

All students must be admitted to the Teacher Education Program and to Supervised Teaching. Refer to procedures stated above.

In order to meet Missouri state teacher certification requirements, candidates for the degrees of Bachelor of Science in Education, Bachelor of Music Education, or Bachelor of Science – Modern Languages with an option in Teacher Certification are required to meet the following GPA requirements. All GPA requirements include both Missouri State and transfer grades.

1. at least a 2.75 GPA on all course work attempted at all colleges attended
2. at least a 3.00 GPA in the major (certificate subject area) which includes all courses listed under C below
3. at least a 3.00 GPA in any additional certificate subject area
4. at least a 3.00 GPA in the Professional Education courses and no grade lower than “C” in all Professional Education courses

Additional State Board of Education certification rules require successful completion of the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education.

The curriculum for secondary (9-12 and K-12) teaching leads to the degree of Bachelor of Science in Education, Bachelor of Music Education, or Bachelor of Science – Modern Languages with an option in Teacher Certification and carries with it an Initial Professional Certificate (IPC) to teach in the state of Missouri.

A. General Education Program (45-49 hours)
B. Specific major requirements may also meet General Education Requirements. See the content discipline department for course listing. Students must also satisfy the following requirements which may be met through General Education coursework.
    1. Prerequisite for Professional Education courses is PSY 121.
    2. International students must provide documentation of completion of coursework in the following:
        a. English Composition, two (2) courses, each a minimum of two (2) semester hours;
        b. U.S. History, three (3) semester hours; and
        c. U.S. Government, three (3) semester hours
    3. Admission to the Teacher Education Program requires completion of COM 115 with a grade of "C" or higher.
C. Complete a subject area major not less than 30 hours or a comprehensive major of not less than 50 hours. See discipline department for major requirements. Although not required, minors must be no less than 15 hours. Note: Students who wish to be certified in an additional area of certification should check the state and departmental requirements in that area.
D. Professional Education Courses (Music Education and Physical Education majors must refer to the department section of the catalog for admission to Teacher Education Program and degree requirements.) The program outlined below has been designed to prepare teachers and to meet the requirements for Missouri state teacher certification. Note: A grade of "C" or higher is required in each course.
    1. Required Core (25-35 hours):
        a. SEC 302(3) General Methods of Instruction in the Middle and Secondary Schools. Note: Music Education majors satisfy this requirement by completion of MUS 200(3); Physical Education majors satisfy this requirement by completion of KIN 200(3).
        b. PSY 360(3) Educational Psychology
        c. EDC 345(3) Introduction to Multicultural Education and Diversity
        d. SPE 340(2) Educational Alternative for Exceptional Students. Note: Music Education majors satisfy this requirement by completion of MUS 340(2); Physical Education majors satisfy this requirement by completion of KIN 468(4).
        e. RDG 474(3) Reading and Writing in the Content Fields
        f. RDG 574(3) Analysis and Correction of Difficulties in Literacy. Note: B-12 and K-12 (Art and Design, Family and Consumer Sciences, Music, Physical Education and Modern Language) majors are not required to complete this course.
        g. Teaching Methods Course (3-6). Courses are specified within the Professional Education section of the major requirements. Note: A teaching methods course is required for each area of certification.
        h. Supervised Teaching (8-12). Courses are specified within the Professional Education section of the major requirements.
    2. Additional required competencies or equivalent course(s) required for major
        a. EDC 150(0) Introduction to Teaching. EDC 150 is required for students who completed a beginning teaching methods/field experience course at another institution and who wish to apply course credit toward completion of the SEC 302 requirement. Note: Agriculture Education, Music Education, and Physical Education majors cover competencies in major requirements.
        b. EDC 350(3) School and Society. Note: Family and Consumer Sciences Education, Music Education, and Physical Education majors cover competencies in major requirements.
        c. EDT 365(3) Educational Applications of Technology and Media. Note: Agriculture Education, English Education, Family and Consumer Sciences Education, History (Social Science) Education, Mathematics Education, Music Education, and Physical Education majors cover competencies in major requirements.
        d. SFR 486(3) Management and Assessment in the Middle and Secondary Classroom. Note: English Education, Mathematics Education, Music Education, and Physical Education majors cover competencies in major requirements.
E. Most programs leading to teacher certification require more than the University minimum of 120 hours for graduation. It is the student's responsibility to meet all degree requirements for the Bachelor of Science in Education-Secondary in specific subject area major areas. Refer to the program requirements for each major.
F. General Baccalaureate Degree Requirements

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Missouri State

Office of the Registrar
Undergraduate Catalog

Majors, Minors, Certificates and Degrees

Program Outcomes

Pursuant to Missouri HB 1606 (2018), information regarding program lengths, costs, and students' median time-to-degree, as well as employment and wage outcomes, can be found at jobs.mo.gov. Employment and wage outcomes are limited to completers found employed in Missouri. Students not found as employed may also be working out-of-state, self-employed, or enrolled in continuing education. Additional information on programs and program outcomes may be found by searching at MoScores portal.

Majors Minors Certificates Degrees

Majors

Indicates accelerated graduate program is available for students in this major.

A

Accounting (BS)

Agricultural Business (BS) *Options: Agricultural Enterprise Management;* Agricultural *Finance and Management; Agricultural Marketing and Sales*

Agricultural Communications (BS)

Agriculture Education (BSEd)

Animal Science (BS)

Anthropology (BA, BS) *Minor Required*

Art (BFA) *Options: 3D Studies, Computer Animation, Digital Arts, Drawing, Painting, Photography, Printmaking*

Art and Design (BA)

Art and Design (BSEd)

Art History (BA) *Minor Required*

Athletic Training (BSAT)

B

Biology (BA, BS) *Minor Required*

Biology (BS) *Options: Environmental Biology and Evolution; Microbiology and Biotechnology; Pre-Teacher Education; Wildlife Biology*

Business Analysis (BS)

C

Cell and Molecular Biology (BS)

Chemistry (BS) *Minor Required*

Chemistry (BS) *Options: Biochemistry, Graduate School/Industrial*

Chemistry (BS) *Minor Required*

Child and Family Development (BS) *Options: Child Development; Child Life; Family Studies; Youth Development*

Clinical Laboratory Sciences-Medical Technology (BS)

Communication (BA) *Minor Required. Options: Communication Studies; Intercultural Communication and Diversity*

Communication (BS) *Minor Required. Options: Communication Studies; Intercultural Communication and Diversity*

Communication Sciences and Disorders (BS) *Options: Audiology; Education of Deaf and Hard of Hearing; Speech-Language Pathology*

Community and Regional Planning (BS)

Computer Science (BS) *Minor Required. Options: Computer Science; Software Development*

Conflict and Interpersonal Communication (BS)

Construction Management (BS)

Criminology (BA, BS)

D

Dance (BS)
Dance option-Theatre and
Dance major (BFA)

Design (BFA) *Options: Graphic Design; Graphic Design and Illustration; Illustration*

Dietetics (BS)

Digital Film and Television Production (BS)

E

Early Childhood Education (BSEd)

Economics (BA, BS) *Minor Required*

Economics (BS)

Electronic Arts (Art and Design - BS) *Minor Required. Option: Computer Animation Studies*

Electronic Arts (Media, Journalism & Film - BS) *Minor Required. Options: Audio Studies, Interactive New Media Studies, Video Studies*

Elementary Education (BSEd)

Engineering Program (BS) *(cooperative program with Missouri University of Science and Technology)*

English (BSEd)

English (BA, BS) *Options: Creative Writing, Literature*

Entertainment Management (BS)

Entrepreneurship (BS)

Environmental Plant Science (BS) *Options: Horticulture, Crop Science*

Exercise and Movement Science (BS) *Options: Health Studies, Pre-Professional*

F

Family and Consumer Sciences (BSEd)

Fashion Merchandising and Design (BS) *Options: Fashion Design and Product Development; Fashion Merchandising and Management*

Film and Media Studies (BA, BS) *Minor Required*

Finance (BS) *Options: Corporate and Investments; Financial Planning*

G

General Agriculture (BS, BAS) *Options: Agricultural Communications, Agriculture*

General Business (BS)

General Studies (BGS)

Geography (BA, BS) *Minor Required*

Geology (BS)

Geology (BS) *Minor Required*

Geospatial Sciences (BS)

Gerontology (BS)

Global Studies (BA) *Minor Required*

H

Health Services (BS) *Options in Clinical Services, Health Services*

History (BA) *Minor Required*

History (BS)

History (BSEd)

Hospitality Leadership (BAS)

Hospitality Leadership (BS) *Options: Club Management; Food and Beverage; General Operations; Lodging; Senior Living Management; Tourism*

I

Individualized Major (BA, BS)

Information Technology (BS) *Options: Application Development; Cybersecurity; IT Infrastructure*

Interior Design (BS)

J

Journalism (BS) *Minor Required.*

M

Management (BS) *Options: Administrative Management, Human Resources Management, International Business Administration*

Marketing (BS) *Options: Advertising and Promotion; Marketing Management; Marketing Research; Sales/Sales Management*

Mathematics (BA) *Minor Required*

Mathematics (BS)

Mathematics (BS) Minor Required. Options: Actuarial Mathematics, Applied Mathematics, General Mathematics, Statistics

Mathematics (BSEd)

Middle School Education (BSEd) Options: Language Arts , Mathematics, Science, Social Sciences

Modern Language (BS) Minor Required

Modern Language (BS) *Options: Applied Business, Second Language, Teacher Certification, Translation*

Music (BA, BS) *Minor Required*

Music (BMus) *Options: Composition, Instrumental Performance, Jazz Performance, Keyboard Performance, Vocal Performance*

Music-Instrumental (BME)

Music-Vocal/Choral (BME)

Mechanical Engineering Technology (BS)

Musical Theatre (Music - BFA)

Musical Theatre (Theatre and Dance - BFA)

N

Natural Resources (BS)

Nursing (generic 4-year program) (BSN)

Nursing (completion program for registered nurses) (BSN)

O

Organizational Communication (BS) *Minor Required*

P

Philosophy (BA, BS) *Minor Required*

Physical Education (BSEd)

Physics (BS) *Options: Astronomy and Astrophysics; Career Prep Physics; Materials Physics; Teaching Prep Physics*

Political Science (BA, BS) *Minor Required*

Professional Writing (BA, BS) *Minor Required*

Psychology (BA, BS) *Minor Required*

Public Relations (BS)

R

Radiography (BS) *Options: Education; Management; Science*

Recreation, Sport and Park Administration (BS) *Minor Required*

Recreation, Sport and Park Administration (BS)

Religious Studies (BA, BS) *Minor Required*

Respiratory Therapy (BS) *Options: Education; Management; Science*

Risk Management and Insurance (BS) *Options: Enterprise Risk Management; Insurance*

S

Social Work (BSW)

Socio-Political Communication (BS)

Sociology (BA, BS) *Minor Required*

Special Education/Cross Categorical (BSEd)

Speech and Theatre Education (Communication - BSEd)

Speech and Theatre Education (Theatre and Dance - BSEd)

Supply Chain, Logistics and Operations Management (BS) *Options: Logistics and Operations Management; Supply Chain Analytics*

T

Theatre (BA, BS) *Minor Required*

Theatre and Dance (BFA) *Options: Acting, Dance, Design/Technology/Stage Management*

W

Wildlife Conservation and Management (Agriculture - BS)

Wildlife Conservation and Management (Biology - BS)

Minors

Degree codes are in parenthesis. Minor degree code must match the major degree code. Example: student pursuing a Bachelor of Arts (BA) major that requires a minor must select from those minors designated as BA. See degree abbreviations below.

A

Accounting (BA, BAS, BS)

Advertising and Promotion (BA, BFA, BS)

African and African American Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Agricultural Business (BS)

Agriculture (BSEd)

Agronomy (BS)

Animal Science (BS)

Anthropology (BA, BS, BSW)

Art (BA, BS)

Art History (BA, BFA, BS, BSEd)

Asian Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Astronomy (BA, BS)

B

Biology (BA, BS, BSEd)

Biomedical Sciences (BA, BS, BSAT, BSN)

Business Analytics (BA, BS)

Business Application Development (BA, BS)

C

Chemistry (BA, BS)

Child and Family Development (BA, BS, BSW)

Chinese (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Classics-Classical Humanities (BA, BS)

Classics-Concentration in Ancient Greek (BA)

Classics-Latin Concentration (BA, BAS, BFA, BMus, BS, BSAT, BSN, BSW)

Coaching (BA, BS, BSEd)

Communication (BA, BS)

Community and Regional Planning (BS)

Companion Animal Science (BA, BAS, BS)

Computer Science (BA, BS)

Construction Management (BA, BAS, BS)

Creative Writing (BA, BFA, BS)

Criminology (BA, BS, BSEd, BSW)

Cybersecurity (BA, BS)

D

Dance (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Disability Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Design (BS)

Diversity Studies (BA, BFA, BS, BSEd, BSN, BSW)

BSW)

E

Economics (BA, BS, BSEd)

English (BA, BFA, BMus, BS, BSEd)

Enterprise Risk Management (BA, BS)

Entrepreneurial Studies (BS)

Entrepreneurship (BS)

Environmental Physics Technology (BS)

Equine Studies (BA, BS)

ESOL (English for Speakers of Other Languages) (BA, BS)

Ethical Leadership (BA, BS, BSEd)

Ethics and Social Policy (BA, BFA, BS, BSEd, BSW)

Exercise Biology (BS, BSAT)

F

Film Studies (BA, BS)

Finance (BA, BS)

Financial Planning (BA, BS)

Fire Administration (BA, BS)

Folklore (BA, BFA, BS, BSEd)

Forestry (BA, BAS, BS)

Foundations of Interdisciplinary Science (BS)

French (BA, BAS, BFA, BMus, BS, BSAT, BSEd, BSN, BSW)

G

Gender Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

General Agriculture (BS)

General Business (BA, BS)

General Family and Consumer Sciences (BA, BS, BSEd)

Geography (BA, BS, BSEd)

Geology (BA, BS)

Geospatial Sciences (BS)

German (BA, BAS, BFA, BMus, BS, BSAT, BSEd, BSN, BSW)

Gerontology (BA, BAS, BFA, BMus, BS, BSAT, BSEd, BSN, BSW)

Global Studies (BA, BS)

H

Health Care Management (BA, BS, BSN)

History (BA, BS, BSEd, BSW)

Horticulture (BS)

Human Resources Management/Industrial Relations (BA, BS)

I

Industrial Management (BA, BAS, BS)

Informatics (BS)

Information Technology (BA, BS)

Insurance (BA, BS)

Interior Design (BA, BS)

International Business (BA, BS)

International Business Studies (BA, BS)

International Management (BA, BS)

International Marketing (BA, BS)

International Relations (BA, BS)

IT Infrastructure (BA, BS)

J

Japanese (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Journalism (BA, BS)

L

Latin (BA, BFA, BS, BSW)

Latin American, Caribbean, and Hispanic Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Law and Society, The (BA, BS)

Leadership (BS)

Legal Studies in Business (BA, BS)

Linguistics (BA, BS, BSEd)

Literacy (BSEd)

M

Management (BA, BS)

Marketing (BA, BFA, BS)

Marketing Research (BS)

Mass Media (BA, BS)

Mathematics (BA, BS, BSEd)

Middle Eastern Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Military Science (BA, BAS, BFA, Mus, BS, BSAT, BSEd, BSN, BSW)

Molecular Biology (BS)

Museum Studies (BA, BFA, BS)

Music (BA, BS)

Music Composition (BA, BMus, BS)

N

Native American Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Nutrition (BA, BS, BSAT, BSN)

O

Ozarks Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

P

Personalized Minor (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Philosophy (BA, BFA, BS, BSEd, BSW)

Political Science (BA, BS, BSEd, BSW)

Psychology (BA, BAS, BFA, BMus, BS, BSAT, BSEd, BSN, BSW)

Physics (BS)

Public Administration (BA, BS, BSEd, BSW)

Public Law (BA, BS, BSW)

R

Ranch Management (BAS, BS)

Recording Arts (BA, BMus, BS)

Recreation, Sport, and Park Administration (BA, BS)

Religious Studies (BA, BFA, BS, BSEd, BSN, BSW)

S

Screenwriting (BA, BFA, BS)

Selling (BA, BS)

Sign Language Studies (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Sociology (BA, BS, BSEd, BSW)

Spanish (BA, BAS, BFA, BMus, BS, BSAT, BSEd, BSN, BSW)

Sports Medicine (BA, BAS, BFA, BME, BMus, BS, BSEd, BSN, BSW)

Supply Chain, Logistics and Operations Management (BA, BS)

Sustainability (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

Sustainable Tourism Development (BA, BS)

T

Teaching English to Speakers of Other Language (BSEd)

Technical Writing (BA, BFA, BS)

Theatre (BA, BAS, BFA, BME, BMus, BS, BSAT, BSEd, BSN, BSW)

W

Web Application Development (BA, BS)

Writing (BSEd)

Certificates

The University certificate programs are designed for those who wish to complete a recognized concentration of study in an area. Each certificate program is a focused combination of courses designed to significantly increase competency in the stated discipline area. Completion of the certificate will be reflected on the student's transcript. All candidates must satisfy the University Certificate Policies and Requirements.

A

Advocacy Writing

Applied Geophysics

Applied Geospatial Science

C

Companion Animal Management

Computational Science

Conflict and Dispute Resolution

Conservation Law Enforcement

Criminal Investigation

D

Diversity in the United States

Documentary Filmmaking

E

Engineering Geology

Environmental Education

Environmental Geoscience

Environmental STEM for Teachers

F

Fire Administration

Food and Beverage Operations

Forensic Child Psychology

Foundations of Pharmaceutical Science

G

Geographic Information Sciences

Geologic Foundations

Globalization and Sustainability

I

Interfaith Engagement

International Agricultural Leadership

International Perspectives in K-12 Special Education

J

Jazz Studies

M

Medical Humanities

Museum Studies

O

Online Entrepreneurship

P

Paleontology

Petroleum Geology

Paleontology

Petroleum Geology

Press Politics

R

Rhetoric and Argument Writing

S

Small Town Planning and Development

Sustainable Food Production

Spanish for the Professions

T

Terrorism and National Security

V

Video Production

W

Web Programming

Writing for Television and Film

Degrees

BA — Bachelor of Arts

BAS — Bachelor of Applied Science

BFA — Bachelor of Fine Arts

BGS — Bachelor of General Studies

BME — Bachelor of Music Education

BMus — Bachelor of Music

BS — Bachelor of Science

BSAT — Bachelor of Science in Athletic Training

BSEd — Bachelor of Science in Education

BSN — Bachelor of Science in Nursing

BSW — Bachelor of Social Work

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University Course Offerings

A

AAS - African American Studies

ACC - Accounting

AGB - Agricultural Business

AGC - Agricultural Communications

AGE - Agricultural Education

AGN - Agricultural Natural Resources

AGP - Agricultural Plant Science

AGR - Agriculture, General

AGS - Animal Science

AGT - Technology Education

AGV - Agricultural Vocational

ANE - Anesthesia, Nurse

ANT - Anthropology

ARB - Arabic

ART - Art

AST - Astronomy

ATC - Athletic Training

B

BIO - Biology

BMS - Biomedical Sciences

BUS - Business

C

CFD - Child and Family Development

CHI - Chinese

CHM - Chemistry

CIS - Computer Information Systems

CLS - Child Life Studies

COM - Communication

COU - Counseling

CRM - Criminology

CSC - Computer Science

CSD - Communication Sciences and Disorders

D

DAN - Dance

DAS - Disabilities Studies

DES - Design

DSS - Defense and Strategic Studies

DTN - Dietetics and Nutrition

E

EAD - Educational Administration

ECE - Early Childhood Education

ECO - Economics

EDC - Education, General (Teaching)

EDD - Educational Leadership

EDT - Educational Technology

EEM - Early Childhood and Elementary Education

EGR - Engineering

ELE - Elementary Education

ENG - English

ENT - Entrepreneurship

F

FCS - Family and Consumer Science

FIN - Finance

FRN - French

G

GBL - Global Studies

GEO - Geospatial Sciences

GEP - General Education Program

GER - Gerontology

GLG - Geology

GRD - Graduate College

GRK - Greek

GRM - German

GRY - Geography

GST - Gender Studies

H

HBW - Hebrew

HCM - Health Care Management

HID - Housing and Interior Design

HIN - Hindi

HLH - Health

HSP - Hospitality Leadership

HST - History

I

IDS - Interdisciplinary Studies

IPE - Interprofessional Education

ITL - Italian

J

JPN - Japanese

JRN - Journalism

K

KIN - Kinesiology

KOR - Korean

L

LAW - Law

LIS - Library Science

LLT - Language and Literature

LTN - Latin

M

MAT - Materials Science

MCL - Modern and Classical Languages

MED - Media

MFD - Merchandising and Fashion Design

MGT - Management

MID - Middle School Education

MIL - Military Science

MKT - Marketing

MST - Museum Studies

MTC - Medical Technology

MTH - Mathematics

MUS - Music

N

NRS - Nursing-RN Completion Program

NUR - Nursing

O

OTE - Occupational Therapy

OZK - Ozarks Studies

P

PAS - Physician Assistant Studies

PBH - Public Health

PHI - Philosophy

PHY - Physics

PLN - Planning

PLS - Political Science

PSY - Psychology

PTE - Physical Therapy

PTG - Portuguese

Q

QBA - Quantitative Business Analysis

R

RAD - Radiography

RDG - Reading

REC - Recreation, Sport, and Park Administration

RTH - Respiratory Therapy

REL - Religious Studies

RUS - Russian

RMI - Risk Management and Insurance

S

SAE - Student Affairs in Higher Education

SPE - Special Education

SCI - Science Education

SPN - Spanish

SEC - Secondary Education

SWA - Swahili

SFR - Secondary Education, Foundations, and Research

SWK - Social Work

SOC - Sociology

T

TCM - Technology and Construction Management

THE - Theatre

U

UHC - Honors College

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https://www.missouristate.edu/registrar/catalog/coursesearch.htm

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Personalized Minor

A student whose educational objectives cannot be best served by existing minors may design a personalized minor suited to individual needs. The student, after completing a minimum of 30 hours, must petition in writing the department head of the area in which the minor is to be taken. This petition is prepared in consultation with the student's advisor and the department of the minor; it includes a list of the proposed courses to be taken with a detailed statement of justification. The department head may accept or reject the petition. When the proposal is agreed upon by both the student and the department head, a personalized program is written and forwarded to the Office of the Registrar, Carrington Hall, room 320.

Download Personalized Minor Request form

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https://www.missouristate.edu/registrar/catalog/persminor.htm

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Missouri State Outreach

Missouri State Outreach works with academic departments and colleges throughout the University to provide a wide range of credit courses at both the Springfield campus and off-campus sites beyond the Springfield campus, using technology-based delivery systems and traditional off-campus instruction delivery systems. The academic programs offered undergo the same academic review and scrutiny as academic programs offered in traditional settings.

Visit the Outreach website for more information on online, iCourses, Evening College Plus, noncredit, off-campus, high school dual credit, and summer classes.

Traditional on-site instruction

Classes are offered at locations throughout southwest Missouri taught by MSU faculty, commuting to the sites, or by qualified instructors from the local community approved by academic departments as having areas of special expertise.

Technology-based delivery systems

The distance learning strategy involves two major delivery systems: Interactive Video (BearNet) and iCourses.

Interactive video (BearNet)

Technology-based courses may be offered via BearNet at the following sites:

- Cassville MO – Crowder College-Cassville Campus
- El Reno OK – Redlands Community College
- Hollister MO – Ozarks Technical Community College-Table Rock Campus
- Joplin MO – Missouri State University-Joplin Site
- Lebanon MO – Ozarks Technical Community College-Lebanon Campus
- Miami OK – Northeastern Oklahoma A&M College
- Mountain Grove MO – Missouri State-Mountain Grove Campus
- Neosho MO – Crowder College-Neosho Campus
- Nevada MO – Crowder College-Nevada Campus
- Nixa MO – Nixa Public Schools Faught Administration Center
- Waynesville MO – Ozarks Technical Community College-Waynesville Campus
- West Plains MO – Missouri State-West Plains Campus

iCourses

iCourses provide an opportunity for students to take required general education courses with minimal physical classroom attendance required. Learn more about iCourses.

Contact

Administrator

Dr. Joye Norris, Associate Provost for Access and Outreach

Office

300 S. Jefferson, Suite 400

Phone

417-836-4127

Fax

417-836-6016

Email

outreach@missouristate.edu

Website

http://outreach.missouristate.edu/

High School Dual Credit Program

Qualified high school students can receive both high school and college credit in specially approved classes offered at participating high schools. Learn more about high school dual credit.

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https://www.missouristate.edu/registrar/catalog/outreach.html

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Pre-Professional Programs

The university provides prerequisite courses and degrees for students seeking entrance into professional schools. Students are regularly admitted to leading schools in all professional areas. Because admission to most professional schools is highly competitive, students are urged to work closely with an academic advisor on the selection of courses and the sequence in which they are to be taken. Although there are general guidelines for each profession, students should contact the professional program(s) they intend to pursue for specific admission criteria.

Pre-engineering

The Department of Mathematics, the Department of Physics, Astronomy and Materials Science, and the collaborative Engineering Program share student advisement for all pre-engineering areas. Most students select a major in one of the two departments or continue on with our collaborative Engineering Program. Contact either department or the Engineering Program Office. For more pre-engineering options, visit the Pre-Engineering website.

Pre-health professions

The University provides pre-professional education for a variety of health occupations. Some of these professional programs require the completion of a bachelor's degree while others encourage students to apply much earlier in their educational careers. Students may decide on any major area offered by the University, provided they complete the admission requirements for their chosen professional program. In those departments most heavily involved in providing the required academic background, special advisors have been trained for each of the various health areas. For more information, visit the Pre-Health Professions website.

Pre-law

Pre-law students draw on courses, facilities, and services from throughout the University, but primarily those in the Colleges of Humanities and Public Affairs, Arts and Letters, and Business. Many professors have expertise in law-related subjects, teaching in areas such as political science, economics, history, philosophy, the sciences, and business administration, among others. The Academic Advisement Center, departmental pre-law advisors, and Phi Alpha Delta Pre-Law Club sponsored by the Department of Political Science, can assist, direct, and inform students seeking admission to law school. For more information, visit the Pre-Law website.

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https://www.missouristate.edu/registrar/catalog/preprofessional.htm

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Study Away Programs

Eligibility requirements

In order to participate in an semester or year-long approved Study Away program, students must meet the following eligibility requirements: a minimum 2.5 cumulative GPA at the time of application, 30 credit hours of university coursework completed at the time of application, enrollment as a full-time student on the Springfield campus the semester prior, and good judiciary standing with the university. Additional eligibility requirements may apply depending on the program. Please contact Study Away Programs for further clarification. In order to participate on a short-term faculty-directed program, participants must be in good judiciary standing and obtain approval from the faculty program director.

Receiving academic credit

Students participating on an approved Study Away program, where coursework is completed at a host institution, are eligible to transfer credit back to Missouri State University. All transfer coursework must be approved by the appropriate academic department head(s), and will transfer as pass/not pass.

Students expecting to transfer coursework from a host institution will be enrolled in study away placeholder (SAP) courses during the term they are abroad. Once Study Away Programs receives the official transcript from the host institution, a credit authorization memo will be issued to the Office of Admissions to authorize the credit transfer. Students who complete coursework abroad that is not approved by an academic department are eligible to transfer general elective credit, or GEN 000.

Short-term faculty-directed programs will be directly enrolled in corresponding Missouri State University courses during their time abroad. Missouri State University coursework will transfer as letter grades.

Contact

Director

Elizabeth C. Strong

Office

Plaster Student Union, Suite 209

Phone

417-836-6368

Fax

417-836-6146

Email

StudyAway@missouristate.edu

Website

http://international.missouristate.edu/studyaway/

Use of financial aid

Students participating on approved study away programs are eligible to apply for all federal, state, and university financial aid, but participation in a program does not automatically increase financial aid eligibility. Most types of financial aid, however, can be applied to approved programs. Please contact Study Away Programs for further clarification.

Program overview

Study Away Programs facilitates high quality academic programs to increase the cultural competence of the Missouri State community, while developing the global leaders of tomorrow. With hundreds of study abroad options to choose from, Missouri State University students can choose programs in 80+ different countries that run from one week up to a full academic year. Study away program options are facilitated by three campus departments: Study Away Programs, Study in China, and International Business Programs. Each administrative unit oversees specific program options that contribute to the collective portfolio of exciting study away options available to Missouri State University

students.

Missouri State University offers a diverse portfolio of study away programs to meet the academic, financial, and personal needs of each student. The most basic types of study away programs are short-term faculty-directed, exchanges, and affiliate provider programs. Missouri State University students also have the option of requesting approval to pursue an independent study away program or an international academic experience (i.e. internship, practicum, service-learning, or research abroad).

The following section highlights Missouri State University's most popular study away offerings through Study Away Programs, International Business Programs, and Study in China. To learn about other available options, students are encouraged to contact Study Away Programs in Plaster Student Union 209.

Short-term faculty-directed programs

Short-term faculty-directed programs offer global opportunities for personal and intellectual growth that match those gained in traditional semester- or year-long study away programs. These one- to six-week courses, led by MSU faculty members, provide an excellent way to gain domestic and international travel experience while earning MSU credit during intersessions, spring breaks and summers. Over 50% of MSU's Study Away participants choose short-term programs, making these options Missouri State's most popular program type.

Some short-term faculty-directed programs offer "total immersion" experiences where students study with native speakers and live with host families. Short-term faculty-led participants may also have the opportunity to pursue a service-learning project or engage in field-specific research alongside an MSU faculty member. Previous Missouri State short-term faculty-directed program destinations have included: Spain, Italy, England, Scotland, France, Belgium, Greece, Israel, Jordan, Ecuador, Jamaica, and Ghana.

Students participating on a short-term faculty-directed program will be enrolled in a corresponding MSU course(s). Academic content and number of credit hours will vary by program. Students pay tuition for the course(s) and a program fee, which includes travel expenses, to Missouri State University. Financial aid may apply to the cost of tuition and fees. Current short-term faculty-directed program offerings are found on the Study Away Programs website.

Semester and year-long programs

Semester and year-long study away opportunities are available through a variety of organization and partner institutions, including the International Student Exchange Program (ISEP), reciprocal exchange partners, and affiliate program providers. With some, participants pay Missouri State tuition and fees while attending the institution abroad. With others, participants pay the host institution's tuition and fees directly. Transfer of credit is arranged through the Study Away Programs office and financial aid can apply to the cost of tuition and fees. Further information on semester and year-long options can be found on the Study Away Programs website.

The International Student Exchange Program (ISEP) is a non-profit network of 300 member institutions in 45 different countries cooperating to provide affordable international educational experiences for a diverse student population. Through this program, students pay MSU tuition, room and board. The program allows for semester and year-long study in a variety of academic fields, offering courses taught in English, as well as other foreign languages.

Missouri State University partners with Federation University and the University of Tasmania to foster reciprocal exchange opportunities in Australia. These locations offer academic coursework in English with a cosmopolitan lifestyle and breathtaking natural environments. Through these programs, students pay MSU in-state tuition and fees to study for a semester or a year.

The Missouri London Program (MLP), sponsored by the Missouri Consortium for International Programs and Studies, provides students with an opportunity to study in London. This program offers students the opportunity to enroll at the University of Roehampton with fellow study abroad students and British peers.

Study Away Programs also partners with approved affiliate providers to offer an array of customized options that support individual academic or professional interests. Affiliate programs typically provide additional assistance throughout the application process and onsite support throughout the duration of the program. Affiliate providers can also assist students with additional needs such as finding an internship, setting up housing, or organizing excursions.

International business programs

International Business Programs (IBP) offers business-focused study away options to all undergraduate and graduate students. Most classes are taught in English, but language courses are also an option for students who wish to enhance their foreign language proficiency. IBP

facilitates the Magellan Exchange Program and the reciprocal exchange with Blaise-Pascal University in France. Transfer of credit is arranged through the International Business Programs office and the financial aid can apply to the cost of tuition and fees. Further information on semester and year-long options can be found on the International Business Programs website.

The Magellan Exchange offers study abroad opportunities for students at dozens of locations outside of the U.S., including South Korea, Costa Rica, Germany, and Finland. Students are fully immersed in the educational and social life of the host country. Each participating university offers courses in English and students can attend for a semester or full year. Many of the schools also offer summer programs. This exchange allows students to pay MSU tuition and fees.

The College of Business also participates in an exchange program with Blaise-Pascal University (BP) in France, located in the beautiful region of the Auvergne. All courses are taught in English at its campus in the town of Vichy, and students who study a full academic year can earn a diploma in International Business with French or International Studies with French. BP also has a larger campus in the city of Clermont-Ferrand, where all courses are taught in French. The exchange is primarily directed towards business students, but classes taught in English at the Vichy campus are appropriate for other majors also. This exchange allows students to pay MSU tuition and fees.

Study in China programs

The purpose of the Missouri State University Study in China Program is to increase cultural and educational exchanges and to promote friendship and understanding between the United States and China. Missouri State University offers many opportunities for students to study in China with or without a Chinese language requirement. Offered through the Office of the Vice President for Research and Economic Development and China Programs, the most popular Study in China programs allow students to choose options in the cities of Dalian, Qingdao, Zhengzhou, or Haikou. At these campuses, a variety of program offerings have been developed to address the diverse needs of students and their academic focus. The transfer of credit is arranged through the China Programs office and financial aid can apply to the cost of tuition and fees. Information is available by visiting the China Programs website, and students are encouraged to contact Tami Sutton in Carrington Hall, Suite 210.

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https://www.missouristate.edu/registrar/catalog/study-away-programs.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Colleges and Academic Units

Colleges

Missouri State has seven academic colleges and one Graduate College. These units comprise the overall structure of the University's academic programs.

College of Arts and Letters

College of Business

College of Education

College of Humanities and Public Affairs

College of Natural and Applied Sciences

Graduate College

McQueary College of Health and Human Services

William H. Darr College of Agriculture

Academic units

A

Accountancy, School of

Agribusiness, Agricultural Education and Communications Department

Anesthesia, School of

Animal Science Department

Area Studies Programs

Art and Design Department

B

Biology Department

Biomedical Sciences Department

C

Chemistry Department

Childhood Education and Family Studies Department

Communication Department

Communication Sciences and Disorders Department

Computer Science Department

Counseling, Leadership and Special Education Department

Criminology and Criminal Justice Department

D

Defense and Strategic Studies Department

E

Economics Department

Engineering Program

English Department

Environmental Plant Science and Natural Resources Department

F

Finance and General Business Department

G

Geography, Geology and Planning Department

Global Studies Program

Graduate College

Greenwood Laboratory School

H

History Department

Honors College

Hospitality Leadership Department

I

Information Technology and Cybersecurity Department

Interdisciplinary Studies Programs

K

Kinesiology Department

L

Library Science Department

Linguistics Program

M

Management Department

Marketing Department

Mathematics Department

Media, Journalism & Film Department

Merchandising and Fashion Design Department

Military Science Department

Modern and Classical Languages Department

Music Department

N

Nursing, School of

O

Occupational Therapy Department

P

Philosophy Department

Physical Therapy Department

Physician Assistant Studies Department

Physics, Astronomy and Materials Science Department

Political Science Department

Psychology Department

Public Health Program

R

Reading, Foundations and Technology Department

Religious Studies Department

S

Social Work, School of

Sociology and Anthropology Department

Sports Medicine and Athletic Training Department

T

Technology and Construction Management Department

Theatre and Dance Department

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Missouri State

Office of the Registrar
Undergraduate Catalog

William H. Darr College of Agriculture

Programs

Indicates accelerated graduate program is available

Undergraduate

Agricultural Business (BS, Minor)

Agricultural Communications (BS)

Agriculture Education (BSEd, Minor)

Agronomy (Minor)

Animal Science (BS, Minor)

Companion Animal Management (Certificate)

Companion Animal Science (Minor)

Environmental Plant Science (BS)

Equine Studies (Minor)

Forestry (Minor)

General Agriculture (BAS, BS, Minor)

Horticulture (Minor)

International Agricultural Leadership (Certificate)

Natural Resources (BS)

Ranch Management (Minor)

Sustainable Food Production (Certificate)

Wildlife Conservation and Management (BS)

Graduate

Agriculture (MS)

Natural and Applied Science with an emphases in Agriculture, and in Plant Science (MNAS)

Plant Science (MS)

Ranch Management (Certificate)

Secondary Education with option in Agriculture (MSEd)

General information

Center for Grapevine Biotechnology

The Center explores genetic resources of diverse grapevine species for securing the profitability and sustainability of the grape and wine industry and for improving human health.

Contact

Dean

Ronald P. Del Vecchio, PhD

Office

Darr Agricultural Center

The Darr Agricultural Center, located on 90-acres near the intersection of Kansas Expressway and Sunshine Street in southwest Springfield, serves as a laboratory and field experience classroom for the study of livestock management, equine studies, horticulture, agronomy, animal science, and wildlife conservation and management.

Fruit Experiment Station

The Fruit Experiment Station, operated on the Mountain Grove Research Campus, has a statewide mandate by law to generate knowledge through research, and to disseminate this knowledge for the economic development of the Missouri fruit industry. In addition to carrying out research, conducting advisory education programs, and teaching courses, the faculty are available to guide graduate students in their thesis research.

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https://www.missouristate.edu/registrar/catalog/dept_ag.html

Missouri State

Agriculture Faculty

Professor

Ronald P. Del Vecchio, PhD

Senior instructor

Natalie Mook, MEd

Emeritus faculty

W. Gayle Ashley, MS

W. Anson Elliott, PhD

Robert F. Glenn, PhD

Lyndon N. Irwin, PhD

Harry R. James, PhD

James F. Moore, Jr., PhD

Michael P. Roling, PhD

Howard G. Townsend, Jr., PhD

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Missouri State

Agriculture Courses

Agriculture (General) (AGR) courses

AGR 100 Food Security

General Education Course (Focus on Social and Behavioral Sciences).

An examination of policies and technology that affect food security for the United States in a global setting.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AGR 108 Topics in Agriculture

A course designed to treat specific areas of agriculture to meet specialized student needs. Treatment of the subject will include consideration of historical, theoretical, scientific, and application aspects. Variable content course. May be repeated to a maximum of four hours provided the same topic is not duplicated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

AGR 110 Agriculture Orientation

Introduction to the educational opportunities, facilities, services, and activities with specific emphasis toward the William H. Darr College of Agriculture. Course designed for students interested in Agriculture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

AGR 118 Leadership

A course for entering freshmen students to examine leadership through the observation and analysis of leaders in various career paths. To demonstrate leadership through class projects.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

AGR 157 Principles of Agricultural Mechanization

Engineering and mechanical principles; their application to agriculture equipment, systems and concepts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AGR 200 Mini Agriculture

A course designed to treat specific areas of agriculture to meet specialized student needs. Treatment of the subject will include consideration of historical, theoretical, scientific and application aspects. Variable content course. May be repeated to a maximum of four hours provided the same topic is not duplicated. 1(1-0) D. Approved recurring course topic: Floral Design I. Basic concepts and elements of floral design. Specific emphasis on aesthetics, color, shape, space and texture. 1(1-0) D. Approved recurring course topic: Floral Design II. Assist student to develop his or her unique individual style of advanced floral design. Expansion on basic concepts and elements. Specific emphasis placed on aesthetics, color, shape, space and texture. 1(1-0) D. Approved recurring course topic: Home and Garden Insects. Basic concepts of pest control appropriate for residences and businesses. 1(1-0) D. Approved recurring course topic: Rodeo Techniques. Provide students with an appreciation for and general knowledge of rodeo history, events, organizations, economic impact on today's society and future direction.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

AGR 250 Agricultural Communications

Recommended Prerequisite: ENG 110 and COM 115. Introduces the scope and applications of communications and journalism as they relate to agriculture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

AGR 299 Special Topics

Prerequisite: permission of instructor.

Special study of agricultural topics not treated in other courses. Variable content course. May be repeated to a maximum of five hours provided the same topic is not duplicated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

AGR 300 Food and Agricultural Chemistry

Prerequisite: C- or better in BIO 101 or BIO 121 or BIO 122 or BMS 100 or CHM 107 or CHM 116 or CHM 160.

Chemistry, sources and importance of biological materials used for food, fiber, and feed for man and domestic animals.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AGR 301 Agriculture Transfer Student Orientation

An integrative experience which addresses public affairs issues and individual choices promoting academic success for first semester William H. Darr College of Agriculture transfer students. Required of all sophomore, junior, and senior transfer students during their first two semesters at Missouri State who have not taken GEP 101/UHC 110.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

AGR 313 Beekeeping

Prerequisite: permission of instructor.

Fundamentals needed for the amateur to establish and maintain honey bees and produce a surplus honey crop.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

AGR 320 Writing in the Applied Sciences

Prerequisite: ENG 110 and 45 hours.

General Education Course (Focus on Written Communication and Integrative and Applied Learning).

Strategies for accessing information. Writing proposals, progress reports, final reports, manuals, and online documents for the Applied Sciences.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AGR 330 Statistical Applications in Agriculture

Recommended Prerequisite: MTH 130 or higher. Collection, display, analysis and application of agricultural data, including measurement of location and dispersion, probability, normal distribution, sampling, sampling distributions, hypothesis testing, analysis of variance, correlation and regression analysis. Computer statistical packages will be used for simulation study and agricultural data analysis. Applications are

specific to Agriculture. Cannot receive credit toward a degree for more than one of the following courses: AGR 330, IPE 381, MTH 340, PSY 200, QBA 237, REC 328, SOC 302.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

AGR 357 Agricultural Power

Recommended Prerequisite: MTH 130 or higher. Principles of operation, construction and utilization of power units.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGR 367 Agricultural Machinery

Recommended Prerequisite: MTH 130 or higher. Principles of construction, operation, selection and utilization of farm field equipment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

AGR 370 Animal Welfare, Animal Rights, and the Ethics of Food Production

Animal welfare, animal rights, and the ethics of using animals for food, fiber, research, and entertainment will be discussed. The question of sustainability as it pertains to meat animal production, water quality, energy used to produce different food stuffs, and how agriculture affects the environment will also be addressed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGR 377 Agricultural Structures and Systems

Recommended Prerequisite: MTH 130 or higher. Functional and structural design of unified structures and systems for agricultural enterprises.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

AGR 399 Special Topics

Special study of agricultural topics not treated in other courses. Variable content course. May be repeated to a maximum of five hours provided the same topic is not duplicated. Approved recurring course topic: Agriculture and Water Quality. Issues related to agriculture and

its impact on water quality--both surface and ground water. Common practices that have a negative impact will be studied along with practices that can have positive and/or minimal impact on water quality. 1(1-0) D. Approved recurring course topic: Events Management. Specific tasks of organization, marketing, and managing resources for special events. 1(1-0) D. Approved recurring course topic: Principles of Horseshoeing. Horseshoeing techniques including safe use of tools and handling of horses. 1(1-0) D. Approved recurring course topic: Therapeutic Riding. Recommended Prerequisite: AGS 162 or AGS 262. Introduction to therapeutic riding and the role of the horse in equine assisted therapy programs. Development of horses and volunteers for use in a therapeutic riding program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Spring

AGR 490 Agronomy/Horticulture Senior Seminar

Recommended Prerequisite: 90 hours. Presentation, discussions and analysis of professional and technical topics in Agronomy and Horticulture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

AGR 499 Internship in Agriculture

Prerequisite: permission of instructor.

Supervised agricultural work experience. A paper describing and analyzing the experience required. May be repeated to a maximum of 10 hours. 1-8, D. Approved recurring course topic: Internship-Equine. An academic program to integrate class experience with actual practice and to provide students with hands-on experience in businesses or agencies which employ agriculture majors. 1-8, D. Approved recurring course topic: Internship-Horticulture. An academic program to integrate class experience with actual practice and to provide students with hands-on experience in businesses or agencies which employ agriculture majors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-8			Upon demand

AGR 599 International Study in Agriculture

Faculty-led study course that will include travel to a foreign country as part of further learning of world agricultural systems. Paper and/or other classroom-related work required in addition to travel. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGR 696 International Study in Agriculture

Faculty-led study course that will include travel to a foreign country as part of further learning of world agricultural systems. Paper and/or other classroom-related work required in addition to travel. Variable content course. May be repeated to a maximum of six hours.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

1-3			Upon demand

AGR 790 Introduction to Agricultural Research Methods

Prerequisite: permission of instructor.

This course is designed to provide an introduction to the process of research. The course will address planning, conducting, and reporting research; and development of good consumers of research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

AGR 796 Science Internship

Completion of an internship project (80 hours/credit hour, 6 credit hours maximum) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a master's degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

AGR 797 Seminar

Prerequisite: permission of advisor.

In-depth study in an area of agriculture, culminating in an extensive scholarly presentation. May be repeated to a maximum of three hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

AGR 798 Research

Prerequisite: permission of instructor.

Supervised research in agriculture. May be repeated, but not more than six hours may be counted toward a master's degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

AGR 799 Thesis

Prerequisite: permission of instructor.

Demonstration of the capacity for research and independent thought culminating in a thesis. May be repeated but no more than six hours may be counted a master's degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Agribusiness, Agricultural Education and Communications

Programs

Indicates accelerated graduate program is available

Undergraduate

Agricultural Business (BS, Minor)

Agricultural Communications (BS)

Agriculture Education (BSEd, Minor)

International Agricultural Leadership (Certificate)

Accreditations

- Missouri Department of Elementary and Secondary Education – Agriculture Education (BSEd); Secondary Education/Agriculture (MSEd)
- Council for the Accreditation of Educator Preparation – Agriculture Education (BSEd); Secondary Education/Agriculture (MSEd)

Contact

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https://www.missouristate.edu/registrar/catalog/dept_an.html

Missouri State

Office of the Registrar
Undergraduate Catalog

Agribusiness, Agricultural Education and Communications Faculty

Professors

Ronald P. Del Vecchio, PhD

Benjamin M. Onyango, PhD

Arbindra Rimal, PhD

Associate professor

James B. Hutter, PhD

Assistant professor

Nichole L. Busdieker-Jesse, MS

Instructors

Nathan Fent, MAT

Katelyn N. McCoy, MNAS

Christine E. Sudbrock, MS

Emeritus faculty

R. Bruce Johnson, PhD

Jon H. Wiggins, EdD

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Missouri State

Agribusiness, Agricultural Education and Communications Courses

Agricultural Business (AGB) courses

AGB 144 Agricultural Economics I

Characteristics of our economic system and basic economic concepts with applications to agriculture. Effects on agriculture by money and banking systems, monetary and fiscal policies, government policies, and international trade.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

AGB 314 Legal Aspects of Agriculture

Recommended Prerequisite: 30 hours. Legal framework impinging upon decision making of farm business including farm ownership and transfer, taxation, business organization, losses, and regulations of land and water use.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGB 334 Marketing Agricultural Products

Recommended Prerequisite: AGB 144 or ECO 165. Marketing functions and agencies involved in the movement of farm products from producers to consumers. Explains how the economic behaviors of the farmers, marketing agents and consumers affect the organization and performance of the food markets.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

AGB 344 Financing Agriculture

Recommended Prerequisite: AGB 144. Capital requirements and sources and uses of each type of credit.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	2	2	Fall, Spring

AGB 354 Land Economics

Recommended Prerequisite: AGB 144. Principles and institutions affecting the allocation of land resources among uses and users.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

AGB 364 Introduction to Agricultural Risk Management: Commodity Futures and Options

Recommended Prerequisite: AGB 334. Introduction to the economic theory, organization, and operating principles of agricultural commodity futures markets. The course will give students the opportunity to explore, through theory and practice, the relationship between cash, futures, basis, exchange and local contracts, and other course concepts. Emphasis is placed on speculating, hedging, and investing in agricultural markets.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGB 374 Agricultural Business Management

Recommended Prerequisite: AGB 144. A study of agricultural firm management including planning, organizing, directing, controlling and coordinating functions used to attain business goals. The role of finance and type of business organization including agricultural cooperatives.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGB 384 Agricultural Selling

Recommended Prerequisite: AGB 334. Principles of selling with application to agricultural inputs and products. Attitudes, value systems, and behavioral patterns that relate to agricultural sales. Relationship of sales to marketing, selling strategies, preparing for sales calls, making sales presentations, handling objections, and closing sales. Analysis of the buying or purchasing process. Evaluation of agri-selling as a possible career choice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

AGB 394 Agricultural Industry Study

Prerequisite: concurrent enrollment in AGB 494 for 1 credit hour; completion of 60 hours including 6 hours in agricultural business; and permission of instructor.

A five-day study alternating between St. Louis and Kansas City to examine the management process of a variety of agricultural businesses. May be repeated to a maximum of two hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

AGB 444 American Agricultural Policy

Recommended Prerequisite: AGB 144. Description and analysis of economic problems of US Agriculture. History and significance of government programs to support farm prices and incomes, conserve land resources, encourage adequate food supplies and expand US agricultural trade.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGB 494 Problems in Agricultural Business

Prerequisite: permission of instructor.

Student selects a specific topic, prepares an outline, makes an investigation and presentation under the supervision of an agricultural business staff member.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

AGB 499 Internship in Agribusiness, Agricultural Education and Communication

Course in supervised agricultural work experience. A program to integrate class experience with actual practice and to provide students with hands-on experience in agricultural businesses or agricultural communications agencies. Variable content course. May be repeated to a maximum of eight hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-8			Fall, Spring, Summer

AGB 514 International Agricultural Trade

Prerequisite: AGB 334 or MKT 350.

Gains from trade, agricultural trade policies of exporters and importers, exchange rates, multilateral trade negotiations, preferential trade agreements, technical barriers and environmental regulations and trade. May be taught concurrently with AGB 614. Cannot receive credit for both AGB 614 and AGB 514.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

AGB 524 Agricultural Prices

Prerequisite: AGB 334.

Factors influencing the level and movement of agricultural commodity prices and prices of agricultural inputs. May be taught concurrently with AGB 624. Cannot receive credit for both AGB 624 and AGB 524.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

AGB 534 Production Economics

Prerequisite: AGB 144.

Application of economics of production in agricultural and business management, examination of the relationships between inputs and outputs, and impact of technology selection on business profitability. May be taught concurrently with AGB 634. Cannot receive credit for both AGB 534 and AGB 634.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGB 574 Advanced Agricultural Risk Management

Recommended Prerequisite: AGB 364. This course explores theory and practice of agricultural risk management in production, market, finance, human, legal, and institutional risk. Students will construct an applicable risk management plan while developing tools and problem solving skills in identifying ways to mitigate risk. May be taught concurrently with AGB 674. Cannot receive credit for both AGB 574 and AGB 674.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

AGB 584 Farm Business Management

Prerequisite: AGB 144.

Economic principles applied to the organization and operation of agricultural units; tools of decision-making; and factor allocation. May be

taught concurrently with AGB 684. Cannot receive credit for both AGB 684 and AGB 584.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

AGB 594 Agricultural Entrepreneurship

This course is designed to explore the best foundational knowledge of owning your own business within the expansive industry that is agriculture. Course will cover various facets of entrepreneurship from resource evaluation to budgets and marketing. By the end of the course, not only will each student have an understanding of entrepreneurship but will also have a completed business plan built on that knowledge. Real world applications will also be explored through guest speakers from the local agricultural community and current event discussions. While most applications will be agriculturally focused, all topics that are discussed can be applied to other sectors of the business world. May be taught concurrently with AGB 694. Cannot receive credit for both AGB 594 and AGB 694.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGB 614 International Agricultural Trade

Recommended Prerequisite: AGB 334 or MKT 350. Gains from trade, agricultural trade policies of exporters and importers, exchange rates, multilateral trade negotiations, preferential trade agreements, technical barriers and environmental regulations and trade. May be taught concurrently with AGB 514. Cannot receive credit for both AGB 514 and AGB 614.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

AGB 624 Agricultural Prices

Recommended Prerequisite: AGB 334. Factors influencing the level and movement of agricultural commodity prices and prices of agricultural inputs. May be taught concurrently with AGB 524. Cannot receive credit for both AGB 524 and AGB 624.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

AGB 634 Production Economics

Prerequisite: AGB 144.

Application of economics of production in agricultural and business management, examination of the relationships between inputs and outputs, and impact of technology selection on business profitability. May be taught concurrently with AGB 534. Cannot receive credit for both AGB 634 and AGB 534.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGB 674 Advanced Agricultural Risk Management

Recommended Prerequisite: AGB 364. This course explores theory and practice of agricultural risk management in production, market, finance, human, legal, and institutional risk. Students will construct an applicable risk management plan while developing tools and problem solving skills in identifying ways to mitigate risk. May be taught concurrently with AGB 574. Cannot receive credit for both AGB 574 and AGB 674.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

AGB 684 Farm Business Management

Recommended Prerequisite: AGB 144. Economic principles applied to the organization and operation of agricultural units; tools of decision-making; and factor allocation. May be taught concurrently with AGB 584. Cannot receive credit for both AGB 584 and AGB 684.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

AGB 694 Agricultural Entrepreneurship

This course is designed to explore the best foundational knowledge of owning your own business within the expansive industry that is agriculture. Course will cover various facets of entrepreneurship from resource evaluation to budgets and marketing. By the end of the course, not only will each student have an understanding of entrepreneurship but will also have a completed business plan built on that knowledge. Real world applications will also be explored through guest speakers from the local agricultural community and current event discussions. While most applications will be agriculturally focused, all topics that are discussed can be applied to other sectors of the business world. May be taught concurrently with AGB 594. Cannot receive credit for both AGB 694 and AGB 594.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

Agricultural Communications (AGC) courses

AGC 183 Introduction to Agricultural Communications

Prerequisite: ENG 110.

Students will gain a basic understanding of the agricultural communications field, specifically in relation to issues in agriculture. Students will gain a broad understanding of agricultural communications, including a basic understanding of available communication mediums such as print media, audio, video and social media.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGC 293 News Writing in Agriculture

Prerequisite: ENG 110 or AGC 183.

Through the publication of the 'Ag Review', students will develop a basic understanding of news writing and Associated Press Style, specifically in the context of agricultural topics. The 'Ag Review' is a tradition in the School of Agriculture, and allows students to gain experience in journalistic writing, editing and publishing of the news magazine.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGC 303 Event Communications for Agricultural Organizations

Prerequisite: ENG 110 and AGR 320 (or Writing II equivalent).

Students will understand how to organize and run a successful press room for an agricultural organization's event. The class is centered around the Missouri FFA Convention press room at Missouri FFA Convention. Students learn the skills needed to perform in the press room during the lecture portion and spend the week of convention applying their skills to help run the press room.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

AGC 313 Feature Writing for Agricultural Publications

Prerequisite: ENG 110 and AGR 320 (or Writing II equivalent).

Students will learn how to effectively use the feature writing style, specifically in relation to agriculture publications and topics. Students will understand the different types of feature stories, how to identify story ideas, interview sources and write stories they could potentially publish in an agriculture, food or natural resources related publication which differs from other publications due to the complexities of the industry.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGC 323 Media in Agriculture

Prerequisite: AGC 183 or AGR 320 (or writing II equivalent).

Students will understand how to integrate multiple media platforms to share a targeted message, with specific focus on social media, radio and video. Agricultural organizations utilize social media and other multimedia platforms to relay information to their consumers. Agricultural communications professionals have had to adapt to the shift of media trends, which include the up rise of technology. Students will apply the skills learned in this course to better reach target audiences within the agricultural industry using multimedia platforms.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGC 333 Layout and Design for Agricultural Publications

Students will learn the fundamentals of Adobe Creative Cloud software, especially InDesign and Illustrator, while grasping basic graphic design principles in the context of agriculture. Specifically, students can apply class content to agricultural entities in their lives. Examples could include creating a graphic design portfolio for a family farm including a logo, brochure, business cards, etc.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGC 343 Agricultural Photography

Students will have an understanding of manual camera settings, photo composition and basic photo editing skills in Photoshop. Ideal for students who will have basic photography requirements in their job. Examples of relevant careers include event photography, livestock photography, communications specialist, etc.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

AGC 393 Public Relations in Agriculture

Prerequisite: ENG 110 and AGR 320 (or Writing II equivalent).

Students will learn the role public relations plays in agriculture through study of the history, theory and modern application of public relations. After initial study, students will apply their knowledge to create a public relations plan for an agricultural organization.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGC 493 Capstone in Agricultural Communications

Prerequisite: AGC 313 and AGC 333.

Students will understand the process of developing and publishing a feature magazine including both writing and design of the magazine. For the writing portion, students will be responsible for story idea development, interviews, executing writing and editing. The design portion will include photography and content layout. Another component of the course will be selling advertisements to help offset printing costs. Advertisements are sold to community businesses by students, who potentially could also work with the business to create the advertisement itself.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

Agricultural Education (AGE) courses

AGE 318 Introduction to Agricultural Education

Recommended Prerequisite: 30 hours. Building an acquaintance with the aims, philosophy, functions, opportunities and demands of

Recommended Prerequisite: 30 hours. Building an acquaintance with the aims, philosophy, functions, opportunities and demands of agricultural education programs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

AGE 337 Agricultural Mechanics Practices

Shop processes and techniques required for the construction, repair, and maintenance of agricultural facilities and equipment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall

AGE 493 Supervised Teaching (Secondary Agriculture)

Prerequisite: completion of all methods courses in Agriculture; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in AGE 494.

Student observes then teaches agriculture classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5-6			Spring

AGE 494 Supervised Teaching (Secondary Agriculture)

Prerequisite: concurrent enrollment in AGE 493.

Student observes, then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5-6			Spring

AGE 498 Problems in Agricultural Education

Prerequisite: permission of instructor.

Student selects a specific topic, prepares an outline, makes an investigation and presentation under the supervision of an agricultural education staff member. May be repeated with permission.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGE 499 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate master's level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

AGE 508 Teaching Adults in Vocational Education

Rise of the adult education movement; learning abilities, educational interests and vocational needs of adults; problems and procedures in organizing and operating adult education programs; relationship of adult education to public school education. Identical with AGV 527 and SEC 527. Cannot receive credit for AGV 527 and SEC 527 and AGE 508. May be taught concurrently with AGE 608. Cannot receive credit for both AGE 608 and AGE 508.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

AGE 518 Agriculture Education Special Topics

Prerequisite: permission of instructor.

Special study of agricultural education topics not covered in other courses. May be repeated to a maximum of five hours provided the same topic is not duplicated. May be taught concurrently with AGE 628. Cannot receive credit for both AGE 628 and AGE 518.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGE 548 Agriculture in the Classroom

Course is designed to help elementary teachers better appreciate the importance of agriculture in their student's lives and to better understand Missouri agriculture. Course stresses integration of resources available from the agricultural industry across the curriculum. May be taught concurrently with AGE 648. Cannot receive credit for both AGE 648 and AGE 548.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Summer

AGE 558 Teaching of Agriculture

Prerequisite: SEC 302 and EDC 350 and 20 hours in agriculture and admission to the teacher education program.

Establishing objectives and organizing the course, selecting textbooks and equipment, securing and using teaching aids; using workbooks and notebooks, planning field trips, selecting and supervising projects. Credited only on BSEd (Secondary). A grade of "C" or better is required in this course in order to take AGE 493 or AGE 494. Cannot be taken Pass/Not Pass. May be taught concurrently with AGE 658. Cannot receive credit for both AGE 658 and AGE 558.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGE 568 Course and Program Building in Agricultural Education

Prerequisite: AGE 318 and AGE 558; and 60 hours.

Organization and analysis of agricultural instruction courses and programs; including the adoption of resource materials to meet individual student needs. May be taught concurrently with AGE 668. Cannot receive credit for both AGE 668 and AGE 568.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGE 578 Methods of Teaching Agricultural Management

Prerequisite: AGE 318 and AGE 558; and 60 hours.

Identification, development, and utilization of supervised agriculture experience programs in Agricultural Education that includes methods of teaching program management, record keeping, and appropriate methodologies. May be taught concurrently with AGE 678. Cannot receive credit for both AGE 678 and AGE 578.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

AGE 588 Methods of Teaching Agricultural Laboratory Management

Prerequisite: AGE 318 and AGE 558; and 60 hours.

Prepare prospective agricultural science teachers to determine subject matter, methods of teaching, and organization of equipment and facilities as applied to agricultural laboratories in high schools. May be taught concurrently with AGE 688. Cannot receive credit for both AGE 688 and AGE 588.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

AGE 608 Teaching Adults in Vocational Education

Prerequisite: permission of instructor.

Rise of the adult education movement; learning abilities, educational interests and vocational needs of adults; problems and procedures in organizing and operating adult education programs; relationship of adult education to public school education. Identical with AGV 627 and SEC 627. Cannot receive credit for AGV 627 and SEC 627 and AGE 608. May be taught concurrently with AGE 508. Cannot receive credit for both AGE 508 and AGE 608.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

AGE 628 Agriculture Education-Special Topics

Prerequisite: permission of instructor.

Special study of agricultural education topics not covered in other courses. May be repeated to a maximum of five hours provided the same topic is not duplicated. May be taught concurrently with AGE 518. Cannot receive credit for both AGE 628 and AGE 518.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGE 648 Agriculture in the Classroom

Course is designed to help elementary teachers better appreciate the importance of agriculture in their student's lives and to better understand Missouri agriculture. Course stresses integration of resources available from the agricultural industry across the curriculum. May be taught concurrently with AGE 548. Cannot receive credit for both AGE 548 and AGE 648.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Summer

AGE 658 Teaching of Agriculture

Prerequisite: SEC 302 and EDC 350 and teacher certification students must be admitted to the teacher education program.

Establishing objectives and organizing the course, selecting textbooks and equipment, securing and using teaching aids; using workbooks and notebooks, planning field trips, selecting and supervising projects. A grade of "C" or better is required in this course in order to take AGE 493 or AGE 494. May be taught concurrently with AGE 558. Cannot receive credit for both AGE 558 and AGE 658.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGE 668 Course and Program Building in Agricultural Education

Prerequisite: AGE 318 and AGE 658.

Organization and analysis of agricultural instruction courses and programs; including the adoption of resource materials to meet individual student needs. May be taught concurrently with AGE 568. Cannot receive credit for both AGE 568 and AGE 668.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGE 678 Methods of Teaching Agricultural Management

Prerequisite: AGE 318 and AGE 658.

Identification, development, and utilization of supervised agriculture experience programs in Agricultural Education that includes methods of teaching program management, record keeping, and appropriate methodologies. May be taught concurrently with AGE 578. Cannot receive credit for both AGE 578 and AGE 678.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

AGE 688 Methods of Teaching Agricultural Laboratory Management

Prerequisite: AGE 318 and AGE 658.

Prepare prospective agricultural science teachers to determine subject matter, methods of teaching, and organization of equipment and facilities as applied to agricultural laboratories in high schools. May be taught concurrently with AGE 588. Cannot receive credit for both AGE 588 and AGE 688.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

AGE 718 Topics in Agricultural Education

Prerequisite: permission of instructor.

Current developments and trends in teaching agricultural education as well as new developments in resources and techniques. May be repeated, however, only nine hours will count towards the graduate program of study.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGE 728 Induction Year Teaching I

Prerequisite: permission of instructor.

Course for the professional development of first-year teachers of agriculture. The course focuses on the pedagogical knowledge, skills, and attitudes and managerial skills needed by beginning teachers of agriculture.

attitudes and managerial skills needed by beginning teachers of agriculture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

AGE 738 Induction Year Teaching II

Prerequisite: AGE 728.

Course for the professional development of second-year teachers of agriculture. The course is a continuation of AGE 728 and focuses on the pedagogical knowledge, skills, and attitudes and managerial skills needed by beginning teachers of agriculture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

Technology Education (AGT) courses

AGT 416 Principles of Teaching Industrial Education

Prerequisite: EDC 150 and SEC 302 and 60 hours; and admitted to teacher education program or teacher certification.

Instructional methods of attaining the objectives of technology education and vocational industrial technical education; design of individualized instruction and classroom and laboratory management; techniques of problem solving and applied critical thinking/decision-making; construction of tests; student evaluation; and use of visual aids. Credited only on BSEd (Secondary). A grade of "C" or better is required in this course in order to take AGT 493 or AGT 494. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGT 420 Technology Education for the Classroom

Prerequisite: AGT 416 or concurrent enrollment; EDC 150 and SEC 302; and 60 hours; and admitted to Teacher Education Program or teacher certification.

Techniques, constructional activities, instructional materials and critical thinking/problem solving activities used in teaching technology education in elementary and secondary schools. Credited only on BSEd (Secondary). A grade of "C" or better is required in this course in order to take AGT 493 or AGT 494. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

AGT 493 Supervised Teaching (Secondary Technology)

Prerequisite: completion of all method courses in Technology; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for student teaching; and concurrent enrollment in AGT 494.

Student observes then teaches industrial technology classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade

Student participates in school related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Spring

AGT 494 Supervised Teaching (Secondary Technology)

Prerequisite: concurrent enrollment in AGT 493.

Student observes then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. The course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Spring

AGT 499 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate master's level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

AGT 521 Selection and Organization of Industrial Education

Prerequisite: AGT 416 or concurrent enrollment; and AGT 420 or concurrent enrollment.

Selection and arrangement of units to teach; preparation of informational and job assignments; selection, purchase and arrangement of laboratory equipment; dispensing of supplies and keeping of adequate records. Course typically taken in same semester as AGT 416 and AGT 420. Identical with AGV 521. Cannot receive credit for both AGT 521 and AGV 521. May be taught concurrently with AGT 621. Cannot receive credit for both AGT 621 and AGT 521.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGT 621 Selection and Organization of Industrial Education

Prerequisite: AGT 416 or concurrent enrollment; and AGT 420 or concurrent enrollment.

Selection and arrangement of units to teach; preparation of informational and job assignments; selection, purchase and arrangement of laboratory equipment; dispensing of supplies and keeping of adequate records. Course typically taught in same semester as AGT 416 and AGT 420. Identical with AGV 621. Cannot receive credit for both AGT 621 and AGV 621. May be taught concurrently with AGT 521. Cannot receive credit for both AGT 521 and AGT 621.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

Agricultural Vocational (AGV) courses

AGV 520 Occupational Analysis

Analysis and breakdown of broad occupations or specific jobs into basic elements for instructional purposes. May be repeated to a maximum of two hours provided the same topic is not duplicated. May be taught concurrently with AGV 620. Cannot receive credit for both AGV 620 and AGV 520.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

AGV 521 Selection and Organization of Industrial Education

Selection and arrangement of units to teach; preparation of informational and job assignments; selection, purchase and arrangement of laboratory equipment; dispensing of supplies and keeping of adequate records. Course typically taken in same semester as AGT 416. Identical with AGT 521. Cannot receive credit for both AGV 521 and AGT 521. May be taught concurrently with AGV 621. Cannot receive credit for both AGV 621 and AGV 521.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

AGV 522 Philosophy of Vocational Education

Philosophical foundations of vocational education; philosophies of vocational education in the contemporary school. Identical with SEC 522. May be repeated to a maximum of three hours provided the same topic is not duplicated. May be taught concurrently with AGV 622. Cannot receive credit for both AGV 622 and AGV 522.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGV 523 Guidance for Vocational Development

Materials, procedures, and problems involved in the guidance of individuals in the selection of, preparation for, and advancement in a vocation. May be repeated to a maximum of three hours provided the same topic is not duplicated. May be taught concurrently with AGV 623. Cannot receive credit for both AGV 623 and AGV 523.

625. Cannot receive credit for both AGV 625 and AGV 525.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGV 525 Organization and Management in Vocational Education

A systematic approach to defining and measuring occupational knowledge, skills and attitudes based upon an occupational analysis, instructional methodology, evaluation, and program standards. May be taught concurrently with AGV 625. Cannot receive credit for both AGV 625 and AGV 525.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

AGV 526 Coordination of Cooperative Education

Problems and procedures in organizing and operating part-time cooperative and evening occupation programs. Identical with SEC 526. May be repeated to a maximum of two hours provided the same topic is not duplicated. May be taught concurrently with AGV 626. Cannot receive credit for both AGV 626 and AGV 526.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

AGV 527 Teaching Adults in Vocational Education

Rise of the adult education movement, learning abilities, educational interests, and vocational needs of adults; problems and procedures in organizing and operating adult education programs; relationship of adult education to public school education. Identical with AGE 508 and SEC 527. Cannot receive credit for AGV 527 and AGE 508 and SEC 527. May be taught concurrently with AGV 627. Cannot receive credit for both AGV 627 and AGV 527.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

AGV 528 Measurement and Evaluation of Vocational Education Programs

Means for assessing specific program needs as determined from occupational surveys and other demographic data; follow-up techniques to evaluate the overall effectiveness of the program to the manpower needs in a given labor market area. Identical with SEC 528. May be repeated to a maximum of three hours with departmental approval provided the same topic is not duplicated. May be taught concurrently with AGV 628. Cannot receive credit for both AGV 628 and AGV 528.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGV 576 Teaching of Industrial/Vocational Subjects

Instructional methods and techniques of teaching industrial/vocational education subjects; attaining objectives of career and technical education, design and evaluation of instructional units; classroom and laboratory management; and development of evaluative instruments. May be taught concurrently with AGV 676. Cannot receive credit for both AGV 676 and AGV 576.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

AGV 620 Occupational Analysis

Analysis and breakdown of broad occupations or specific jobs into basic elements for instructional purposes. May be repeated to a maximum of two hours provided the same topic is not duplicated. May be taught concurrently with AGV 520. Cannot receive credit for both AGV 520 and AGV 620.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

AGV 621 Selection and Organization of Industrial Education

Selection and arrangement of units to teach; preparation of informational and job assignments; selection, purchase and arrangement of laboratory equipment; dispensing of supplies and keeping of adequate records. Course typically taken in same semester as AGT 416. Identical with AGT 621. Cannot receive credit for both AGV 621 and AGT 621. May be taught concurrently with AGV 521. Cannot receive credit for both AGV 521 and AGV 621.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

AGV 622 Philosophy of Vocational Education

Philosophical foundations of vocational education; philosophies of vocational education in the contemporary school. Identical with SEC 622. May be repeated to a maximum of three hours provided the same topic is not duplicated. May be taught concurrently with AGV 522. Cannot receive credit for both AGV 522 and AGV 622.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGV 623 Guidance for Vocational Development

Materials, procedures, and problems involved in the guidance of individuals in the selection of, preparation for, and advancement in a vocation. May be repeated to a maximum of three hours provided the same topic is not duplicated. May be taught concurrently with AGV 523. Cannot receive credit for both AGV 523 and AGV 623.

523. Cannot receive credit for both AGV 523 and AGV 623.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGV 625 Organization and Management in Vocational Education

A systematic approach to defining and measuring occupational knowledge, skills and attitudes based upon an occupational analysis, instructional methodology, evaluation, and program standards. May be taught concurrently with AGV 525. Cannot receive credit for both AGV 525 and AGV 625.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

AGV 626 Coordination of Cooperative Education

Problems and procedures in organizing and operating part-time cooperative and evening occupation programs. Identical with SEC 626. May be repeated to a maximum of two hours provided the same topic is not duplicated. May be taught concurrently with AGV 526. Cannot receive credit for both AGV 626 and AGV 526.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

AGV 627 Teaching Adults in Vocational Education

Rise of the adult education movement, learning abilities, educational interests, and vocational needs of adults; problems and procedures in organizing and operating adult education programs; relationship of adult education to public school education. Identical with AGE 608 and SEC 627. Cannot receive credit for AGV 627 and AGE 608 and SEC 627. May be taught concurrently with AGV 527. Cannot receive credit for both AGV 527 and AGV 627.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

AGV 628 Measurement and Evaluation of Vocational Education Programs

Means for assessing specific program needs as determined from occupational surveys and other demographic data; follow-up techniques to evaluate the overall effectiveness of the program to the manpower needs in a given labor market area. Identical with SEC 628. May be repeated to a maximum of three hours with departmental approval provided the same topic is not duplicated. May be taught concurrently with AGV 528. Cannot receive credit for both AGV 528 and AGV 628.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGV 676 Teaching of Industrial/Vocational Subjects

Instructional methods and techniques of teaching industrial/vocational education subjects; attaining objectives of career and technical education, design and evaluation of instructional units; classroom and laboratory management; and development of evaluative instruments. May be taught concurrently with AGV 576. Cannot receive credit for both AGV 576 and AGV 676.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

AGV 724 Organization and Administration of Vocational Education

Prerequisite: permission of instructor.

Problems, procedures and local, state and federal relationships in the organization and administration of vocational education in the contemporary school. Identical with SFR 724. May be repeated to a maximum of three 3 hours provided the same topic is not duplicated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGV 726 Seminar in Industrial Education

Prerequisite: permission of instructor.

Presentation and discussion of professional or technical problems in the organization and management of programs and facilities in industrial education.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

AGV 760 Special Investigations

Prerequisite: permission of instructor.

The student, in consultation with the advisor, selects for in-depth study an area determined by the interest/career objectives of the student. Based on demand and timeliness of the subject, a cluster study group may engage in a joint investigation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Agricultural Business

Major(s)

Agricultural Business (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
Specific General Education Requirements: MTH 135(3) or MTH 138(5) or 181(3) or 261(5) or 287(3); PSY 121(3); GEP 101(2) or UHC 110(2) or AGR 301(1)
B. Major Requirements (63-71 hours)
1. AGN 115(3) or AGP 103(3); AGN 215(3); AGB 144(4); AGB 314(3) or LAW 231(3); AGB 334(3), 354(2), 364(3), 374(3), 394(1), 494(1); AGB 514(3) or ECO 565(3) or MKT 474(3); AGB 524(3); AGB 444(3) or AGR 499(2); AGR 330(3) or QBA 237(3); AGR 490(1); ACC 201(3)
2. Complete one course from: COM 315(3); MGT 286(3); AGB 384(2)
3. Complete CHM 107(3) and 108(1); or CHM 116(4) and 117(1); or CHM 160(4)
4. Public Affairs Capstone Experience Requirement will be fulfilled by completion of AGB 394(1), AGB 494(1), and AGR 490(1).
5. Complete one of the following options:
a. **Agricultural Enterprise Management** (18 hours):
1. AGB 344(3) or 534(3) or 584(3); MGT 384(3)
2. Complete 12 hours from one of the following groups:
a. Animal Science: AGS 101(4), 161(3), 301(3), 302(3), 306(3); 310(3) or 311(3); 316(3), 342(2), 346(2), 361(3), 402(2), 432(3), 442(3), 446(3), 451(3), 452(3), 461(3), 511(3); AGP 365(3) or 370(3)
b. Natural Resources: AGN 335(3), 405(3), 455(3); AGP 485(3)
c. Environmental Plant Science: AGP 303(3), 333(3), 353(3), 363(3), 365(3), 370(3), 393(3), 403(3), 441(3), 543(3), 573(3), 575(2), 583(3)
b. **Agricultural Finance and Management** (22 hours):
1. ACC 211(3); AGB 344(3), 584(3); AGS 101(4)
2. Complete two courses from: ACC 311(3); AGB 534(3); ECO 305(3); FIN 266(3), 380(3), 485(3); MGT 340(3), 345(3); RMI 211(3), 415(3)
3. Complete one course from: AGN 335(3); AGP 303(3), 353(3), 365(3), 370(3), 485(3), 583(3); AGS 311(3)
c. **Agricultural Marketing and Sales** (16 hours):
1. AGB 344(3) or 534(3) or 584(3); AGS 101(4)
2. Complete two courses from: MKT 351(3), 354(3), 355(3), 360(3); MGT 340(3) or 345(3)
3. Complete one course from: AGN 335(3); AGP 303(3), 353(3), 365(3), 370(3), 485(3), 583(3); AGS 311(3)
C. General Baccalaureate Degree Requirements

Minor(s)

Agricultural Business

Bachelor of Science

A. AGB 144(4), 394(1)
B. Additional hours from the following courses to total at least 20 hours in Agricultural Economics: AGB 334(3), 344(3), 354(2), 374(2),

524(3), 534(3), 584(3)

Accelerated graduate program in Agriculture

Eligible Missouri State undergraduate students may apply for admission to the Agriculture program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for program details.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Agricultural Communications

Major(s)

Agricultural Communications (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
   Specific General Education Requirements: AGR 100(3); BIO 101(3) and 111(1) or BIO 121(4); CHM 107(3) and 108(1) or CHM 116(4) and 117(1); GEP 101(2) or UHC 110(2) or AGR 301(1)
B. Major Requirements
   1. General Agriculture Courses: AGS 101(4); AGN 115(3) or AGP 103(3); AGN 215(3); AGB 144(4); AGR 490(1)
   2. Complete 3 additional upper division hours from each of the following 3 areas:
      a. Environmental Plant Science and Natural Resources (AGP/AGN)
      b. Animal Science (AGS)
      c. Agricultural Business (AGB)
   3. Agricultural Communications Courses: AGC 183(3), 293(3), 313(3), 323(3), 333(3), 343(3), 393(3) 493(3); AGR 499(2); COM 209(3)
   4. Public Affairs Capstone Experience Requirement will be fulfilled by completion of AGC 493(3).
   5. In consultation with advisor, select an additional 22 hours to bring total hours in degree to a minimum of 120. Select additional hours of 300-level or above to bring total upper division hours to a minimum of 40.
C. General Baccalaureate Degree Requirements

Accelerated graduate program in Agriculture

Eligible Missouri State undergraduate students may apply for admission to the Agriculture program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for program details.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the

undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Agriculture Education

Major(s)

Agriculture Education

Bachelor of Science in Education (Certifiable grades 9-12)

A. General Education Program and Requirements
   Specific General Education Requirements: BIO 101(3) and 111(1); PSY 121(3); GEP 101(2) or UHC 110(2) or AGR 301(1)
B. Major Requirements
   1. AGB 144(4), 334(3); AGE 337(3); AGP 103(3) or AGN 115(3); AGN 143(3), 215(3); AGN 335(3) or AGR 383(3)-course deleted-see advisor; AGP 303(3) or AGP 333(3) or AGP 543(3); AGS 101(4)
   2. CHM 107(3) and 108(1); or CHM 116(4) and 117(1); or CHM 160(4)
   3. AGE 318(2), 568(3), 578(2), 588(2)
   4. Area of Specialization: Students must select a minimum of 20 hours of Agriculture courses to complete 45 hours of Technical Agriculture required by the State Department of Education. These courses must consist of any agriculture course not required as a major or Professional Education requirement.
   5. Public Affairs Capstone Experience Requirement will be fulfilled by completion of AGE 493(5-6) and 494(5-6).
C. Professional Education courses. Note: A grade of “C” or better in each course is required for state certification.
   1. AGE 558(3), 493(5-6), 494(5-6)
   2. Professional Education Required Core and Competencies - see Teacher Education Program
D. General Baccalaureate Degree Requirements
E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.
   1. at least a 2.75 GPA on all course work attempted at all colleges attended
   2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
   3. at least a 3.00 GPA in any additional certificate subject area
   4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

Minor(s)

Agriculture

Bachelor of Science in Education (Non-Certifiable)

A. Select at least one course from each of the following areas: Agriculture Economics, Animal Husbandry, Soils, and Field Crops
B. Select at least one course from each of the following areas: Dairy Husbandry, Horticulture, and Poultry Husbandry
C. Select additional courses to complete 24 hours or more of agriculture. Students desiring to minor in agriculture on the Bachelor of Science in Education should confer with a member of the agriculture staff before scheduling to receive advice of desirable courses which meet their special needs.

Accelerated graduate program in Agriculture

Eligible Missouri State undergraduate students may apply for admission to the Agriculture program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for program details.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

International Agricultural Leadership Certificate

International Agricultural Leadership

This certificate allows visiting students to complete a 12-hour program in Agriculture. The program will focus on building the skills necessary to translate local agricultural knowledge and leadership into a learning framework, which can be applied to a variety of settings.

Admission requirement

Students must be concurrently enrolled in an eligible program through the International Leadership Training Center (ILTC) or be enrolled in a recognized Study Away Program.

Program requirements (12 hours)

A. AGR 499(2); AGP 496(2); AGR 100(3) or AGB 494(3)
B. Select five additional hours of agriculture or other approved courses in consultation with an agriculture and ILTC/Study Away advisor.
C. All candidates must satisfy the General University Certificate Requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Animal Science

Programs

Indicates accelerated graduate program is available

Undergraduate

Animal Science (BS, Minor)

Companion Animal Management (Certificate)

Companion Animal Science (Minor)

Equine Studies (Minor)

Ranch Management (Minor)

Graduate

Ranch Management (Certificate)

Pre-professional curriculum in veterinary medicine

Students considering the Pre-Veterinary Program should consult with the Pre-Veterinary advisor in the Department of Animal Science.

Option I: To be eligible to apply to the College of Veterinary Medicine at the University of Missouri, a minimum of 64 hours must be completed including the following courses:

1. CHM 160(4), 161(1), 170(3), 171(1), 201(3), 202(2), and 352(3)
2. COM 115(3); ENG 110(3); MTH 138(5), or 135(3) and 181(3); PHY 123(4) and 124(4)
3. 10 hours of biological sciences are recommended: BIO 212(2) and 213(1), and BIO 380(5)
4. Additional 10 hours of coursework in the social sciences and humanities

Option II: By completing this option of approximately 100 hours, a student may apply for a B.S. degree in Animal Science from Missouri State University after successfully completing the first two years in the College of Veterinary Medicine at the University of Missouri.

1. General Education Requirements (45 hours)
2. Science and Mathematics Requirements (38-47 hours): BIO 212(2) and 213(1); or BIO 312(3) and 313(2), BIO 380(5); CHM 160(4),* 161(1),* 170(3), 171(1), 201(3), 202(2), and 352(3); MTH 138(5)* or 135(3)* and 181(3); and PHY 123(4)* and 124(4)
3. Agriculture Requirements (32 hours): AGS 101(4), 301(3), 302(3) or 306(3), 311(3), 316(3) and 511(3); AGN 115(3) or AGP 103(3); AGN 215(3); AGB 144(4); AGR 330(3)

*May count toward General Education requirements

Contact

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May count toward General Education requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Animal Science Faculty

Professors

Ronald P. Del Vecchio, PhD

Elizabeth L. Walker, PhD

Gary W. Webb, PhD

Assistant professors

Phillip Lancaster, PhD

Lacy D. Sukovaty, DVM

Instructor

William F. Boyer, MNAS

Emeritus faculty

Dennis Schmitt, PhD, DVM

Susan Webb, MS

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Missouri State

Animal Science Courses

Animal Science (AGS) courses

AGS 101 Animal Science

Introduction to farm animal industries, breeds, numbers, distribution, nutrition, heredity, reproduction, health and products.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	0	Fall, Spring

AGS 161 Introduction to Horses

Scope and role of the horse industry. Responsibilities of ownership; selection, breeds-development and uses; basic care-nutrition, health care, conditioning; and facilities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGS 162 Introduction to Riding

This is an introductory course with a focus on safe and effective techniques for both English and Western riding. Students are responsible for transportation and payment of a horse care fee. May be repeated to a maximum of three hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring, Summer

AGS 163 Introduction to Hunt Seat Equestrian Competition

Prerequisite: AGS 162 or permission of instructor.

This course is for students who have limited or no experience in equestrian competition in the hunt seat discipline. Students are responsible for transportation to the Darr Center. A horse care fee will be charged. This course cannot be taken concurrently with AGS 263 or AGS 363. May be repeated for a total of 2 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring, Summer

AGS 164 Introduction to Stock Seat Equestrian Competition

Prerequisite: AGS 162 or permission of instructor.

This course is for students who have limited or no experience in equestrian competition in the stock seat discipline. Students are responsible for transportation to the Darr Center. A horse care fee will be charged. This course cannot be taken concurrently with AGS 264 or AGS 364. May be repeated to a maximum of two hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring, Summer

AGS 185 Introduction to Companion Animal Science

An introduction to companion animal biology through consideration of the anatomy, nutrition, behavior, husbandry, and reproduction of companion animals. Course content is largely focused on cats and dogs, although other mammals, birds and reptiles commonly kept as pets will be discussed. Legal, economic, and ethical issues associated with companion animals will be addressed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGS 191 Evaluation and Performance Appraisal of Horses

Detailed evaluation of athletic performance of horses; influence of training and other environmental effects, heredity, and conformation; use of racing and performance records, visual appraisal, and industry trends; oral and written defense of judgments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Upon demand

AGS 196 Dairy and Meat Animal Evaluation

Comparative judging including selection, grading, and classification of dairy cattle, or beef cattle, swine and sheep. Variable content course. May be repeated to a maximum of four hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall

AGS 251 Introduction to the Beef Industry

Prerequisite: AGS 101.

Overview of the U.S. and global beef industry with regard to beef production and consumption. Standard management decisions for seedstock, commercial cow-calf, stocker, and feedlot sectors of the beef industry. Basics of reproduction, breeding and genetics, nutrition, health, and growth related to beef cattle.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

AGS 262 Riding for Horse Training

Prerequisite: AGS 162.

This is an intermediate-level riding course with a focus on developing skills necessary for training horses. Students may ride hunt seat, stock seat, or both seats during the semester. Students are responsible for transportation and payment of horse care fee.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

AGS 263 Intermediate Hunt Seat Equestrian Competition

Prerequisite: permission of instructor.

Recommended Prerequisite: AGS 163. This course is for students who have a moderate amount of experience in equestrian competition in the hunt seat discipline. Students are responsible for transportation to the Darr Center. A horse care fee will be charged. This course cannot be taken concurrently with AGS 163 or AGS 363. May be repeated to a maximum of two hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring, Summer

AGS 264 Intermediate Stock Seat Equestrian Competition

Prerequisite: permission of instructor.

Recommended Prerequisite: AGS 163 or 164. This course is for students who have a moderate amount of experience in equestrian competition in the stock seat discipline. Events to be covered will include horsemanship and ranch horse events. Students are responsible for transportation to the Darr Center. A horse care fee will be charged. This course cannot be taken concurrently with AGS 164 or AGS 364. May be repeated to a maximum of two hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring, Summer

AGS 301 Physiology of Farm Animals

Recommended Prerequisite: AGS 101 and BIO 101 and 111 and CHM 116 and 117. Basic physiology of farm animals with special emphasis on systems related to the economic importance of domestic animals such as the mammary, reproductive, endocrine, and other systems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGS 302 Reproductive Physiology

Prerequisite: AGS 101 and C- or better in BIO 101 or BIO 121 or BIO 122 or BMS 100 or CHM 107 or CHM 116 or CHM 160.

Physiological principles of reproductive processes in domestic animals (production and companion) including sperm and ova production, estrus, fertilization, gestation, and parturition.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGS 306 Veterinary Science

Recommended Prerequisite: AGS 101. Functional anatomy, diseases and parasites of farm animals; sanitation; disease prevention and control.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGS 310 Animal Nutrition

Prerequisite: AGS 101 and C- or better in BIO 101 or BIO 121 or BIO 122 or CHM 107 or CHM 116 or CHM 160.

Key topics include the basic fundamentals of nutrition and comparative nutrition of farm animals. Anatomy and physiology of the digestive system and basic metabolism will also be covered along with the characteristics, digestion and functions of the basic nutrients.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGS 311 Feeds and Feeding

Prerequisite: AGS 101; and MTH 130 or higher; and C- or better in BIO 101 or BIO 121 or BIO 122 or BMS 100 or CHM 107 or CHM 116 or CHM 160.

Feedstuff composition and formulation of rations and feeding management of livestock and companion animals.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AGS 316 Animal Breeding

Prerequisite: AGS 101; and C- or better in MTH 130 or higher; and C- or better in BIO 101 or BIO 121 or BIO 122 or BMS 100 or CHM 107 or CHM 116 or CHM 160.

Principles of heredity applied to the improvement of farm animals; variation, selection, inbreeding and crossbreeding.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGS 342 Meat Science and Products

Recommended Prerequisite: AGS 101 and either CHM 116 and 117 or CHM 160. Processing, inspection, grading, preservation and nutritive value of meats and meat products.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

AGS 346 Dairy Products

Recommended Prerequisite: AGS 101 and either CHM 116 and 117 or CHM 160. Processing, inspection, grading, preservation and nutritional value of dairy products.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

AGS 361 Horse Management and Training

Recommended Prerequisite: AGS 161 or previous experience with horses. Survey of management and basic handling of horses. Feeding management, health care and equine enterprise management are emphasized. Instruction in fitting for show or sale, practical horse psychology and training for basic performance is given.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring, Summer

AGS 362 Riding Instruction

Prerequisite: AGS 162.

This is an advanced-level riding course with a focus on developing skills necessary for basic riding instruction. Students may ride hunt seat, stock seat, or both seats during the semester. Students are responsible for transportation and payment of horse care fee.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

AGS 363 Advanced Hunt Seat Equestrian Competition

Prerequisite: permission of instructor.

Recommended Prerequisite: AGS 263. This course is for students who are ready to compete in advanced levels of equestrian competition in the hunt seat discipline. Events to be covered will include over fences classes. Students are responsible for transportation to the Darr Center. A horse care fee will be charged. This course cannot be taken concurrently with AGS 163 or AGS 263. May be repeated to a maximum of two hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring, Summer

AGS 364 Advanced Stock Seat Equestrian Competition

Prerequisite: permission of instructor.

Recommended Prerequisite: AGS 263 or 264. This course is for students who are ready to compete in advanced levels of equestrian competition in the stock seat discipline. Events to be covered will include reining and ranch horse events. Students are responsible for transportation to the Darr Center. A horse care fee will be charged. This course cannot be taken concurrently with AGS 164 or AGS 264. May be repeated to a maximum of two hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring, Summer

AGS 365 Equine-assisted Activities and Therapies

Recommended prerequisite: AGS 162 or AGS 262 or experience handling horses. Introduction to equine-assisted activities and therapies and the role of the horse in these programs. Focus on the development of horses and volunteers to work in equine-assisted therapy programs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

AGS 385 Companion Animal Management I

Recommended Prerequisite: AGS 185. Application of the reproductive and nutritional management of companion animals. Course will focus on reproductive anatomy and physiology of dogs and cats as pertaining to both breeding and population control. Discussion of nutritional requirements and management of companion animals will focus on dog and cats through different life stages. Course will include some discussion of nutritional issues in commonly kept "pocket pets". Materials will be addressed through discussion and hands on labs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

AGS 389 Companion Animals in Society

This course explores the current role of companion animals in cultures throughout the world, as well as historical functions and influences of companion animals in the United States. Covered topics include evolution of companion animals, current issues with companion animals, use of animals for service and assistance, global growth of the pet industry, and roles of companion animals in developing countries.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGS 391 Animal Industry Tour

This course will provide students an opportunity to see and meet people actively working in sustainable animal production businesses or doing research in sustainable animal based agriculture. Students and faculty will travel across the country meeting production agriculturalists, scientists, and teachers from a wide variety of locations. May be repeated to a maximum of four hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

AGS 396 Advanced Dairy and Meat Animal Evaluation

Recommended Prerequisite: AGS 196. Continuation of AGS 196 with special emphasis on comparative judging and giving of oral reasons. Variable content course. May be repeated to a maximum of four hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Spring

AGS 402 Applied Reproductive Techniques

Prerequisite: AGS 302.

Techniques of artificial insemination, pregnancy determination, semen processing and collecting, and embryo transfer. Planning and management for successful artificial breeding programs. Additional Saturday field trips may be required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall, Spring

AGS 432 Sheep and Goat Science

Recommended Prerequisite: AGB 144 and AGN 115 and AGS 301 and AGS 311. Applications of the principles of nutrition, physiology and genetics to sheep and goat management. Wool and mohair production.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGS 442 Swine Science

Recommended Prerequisite: AGS 311. Applications of the principals of nutrition, physiology and genetics of swine management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGS 446 Dairy Production

Recommended Prerequisite: AGS 311. Efficient dairy farm enterprise organization, feed supplies, economical rations, breeding record analysis, labor-saving buildings and equipment, herd replacements, health and other management problems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall (even-numbered years)

AGS 451 Poultry Science

Recommended Prerequisite: AGS 101. Broiler production, market turkey production, egg production and processing of poultry products.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGS 452 Cow-Calf Production

Prerequisite: AGS 101 or AGB 144 or AGN 115 or AGP 103; and 60 hours.

Management of the cow-calf enterprise including grazing management, reproduction, genetics, nutrition, and animal health. Costs of production, financial statements, and partial budgeting evaluate profitability of management practices. Hands-on experience managing beef cows through calving and rebreeding.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

AGS 453 Stocker and Feedlot Cattle Production

Prerequisite: AGS 101 or AGB 144 or AGN 115 or AGP 103; and 60 hours.

Management of post-weaning growing and finishing beef cattle including grazing management, nutrition, genetics, and animal health. Financial aspects of purchasing feeder cattle, marketing fat cattle, and risk management of stocker and feedlot enterprises. Hands-on experience managing calves post-weaning.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGS 461 Equine Nutrition and Physiology

Recommended Prerequisite: AGS 310; or AGS 311 and AGS 301 or AGS 302. Nutrition and physiology for the production, management and use of the equine. May be taught concurrently with AGS 661. Cannot receive credit for both AGS 461 and AGS 661.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGS 485 Companion Animal Management II

Prerequisite: AGS 385.

Students will learn how an understanding of innate and learned behaviors in dogs and cats can be applied in shelter and breeding settings. Students will learn the fundamentals of socialization periods, behavioral assessments, and training. Students will learn to assess environmental factors that lead to behavior issues and apply this knowledge to improving environments and providing enrichment in facilities that house dogs and cats. Students will gain an understanding of how behavior affects the human-animal bond.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGS 492 Problems in Animal Science

Prerequisite: permission of instructor.

Assigned investigations dealing with current problems in animal science supervised by an agricultural staff member. Student prepares outline, investigates the sources of information concerning the subject, and summarizes his/her findings in a written report. May be repeated with permission.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

AGS 496 Ranch Management Experience

Prerequisite: 46 hours and permission of instructor.

Students will develop managerial skills through a manager-in-training position at Missouri State University's Journagan Ranch or other approved, privately-held ranch. Students, along with the ranch manager and the instructor, will design a special project in which the student will evaluate a change in management practices at the ranch. Student may not work at a ranch owned by their family. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-6			Fall, Spring, Summer

AGS 511 Animal Nutrition and Metabolism

Prerequisite: C- or better in AGR 300 or CHM 201; and C- or better in AGS 310 or CHM 352.

Utilization and metabolism of nutrients by domestic animals; role of vitamins and minerals. May be taught concurrently with AGS 611. Cannot receive credit for both AGS 611 and AGS 511.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGS 611 Animal Nutrition and Metabolism

Prerequisite: C- or better in AGR 300 or CHM 201; and C- or better in AGS 310 or CHM 352.

Utilization and metabolism of nutrients by domestic animals; role of vitamins and minerals. May be taught concurrently with AGS 511. Cannot receive credit for both AGS 511 and AGS 611.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGS 661 Equine Nutrition and Physiology

Recommended Prerequisite: courses in animal nutrition and physiology. Topics covered will include nutrition and both reproductive and exercise physiology for the production and management of the equine. May be taught concurrently with AGS 461. Cannot receive credit for both AGS 661 and AGS 461.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGS 712 Special Topics in Animal Science

Prerequisite: permission of instructor.

Special study in an identified area of animal science not treated in other courses. Recent advances and new research techniques will be discussed. May be repeated to a maximum of six hours provided the same topic is not duplicated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGS 716 Mammalian Reproductive Physiology

Recommended Prerequisite: AGS 302. Comparative anatomy and physiological processes of reproduction with an emphasis on domestic and laboratory animals. Fertilization through embryonic development, pregnancy, and growth to sexual maturity, reproductive efficiency and application of reproductive technology.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Spring

AGS 752 Advanced Cow-Calf Production

Students will gain knowledge in current cow-calf management practices through reading of current and classic scientific literature. Students will engage in discussion of scientific research publications on topics of cattle nutrition, forages and grazing management, reproduction, genetics and breeding, and animal health. Students will gain verbal and written communication skills through oral presentations, and writing of review papers and project proposals.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGS 753 Advanced Stocker and Feedlot Cattle Production

Students will gain knowledge in current stocker/feedlot cattle management practices through reading of current and classic scientific literature. Students will engage in discussion of scientific research publications on topics of cattle nutrition, forages and grazing management, animal growth and body composition, beef carcass merit, and animal health. Students will gain verbal and written communication skills through oral presentations, and writing of review papers and project proposals.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

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Missouri State

Office of the Registrar
Undergraduate Catalog

Animal Science

Major(s)

Animal Science (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
Specific General Education Requirements: BIO 101(3) and 111(1) or BIO 121(4); GEP 101(2) or UHC 110(2) or AGR 301(1); MTH 130(3) or 135(3) or 138(5) or 181(3) or 261(5) or 287(3); CHM 107(3) and 108(1) or CHM 116(4) and 117(1)
B. Major Requirements
1. AGB 144(4); AGP 103(3) or AGN 115(3); AGP 365(3) or 370(3); AGR 300(3), 490(1); AGS 101(4), 301(3), 302(3), 310(3), 311(3), 316(3)
2. Public Affairs Capstone Experience Requirement: AGS 432(3) or 442(3) or 446(3) or 452(3) or 453(3) or 461(3).
3. Select a minimum of 21 hours from the following two groups of courses including at least eight hours from Group A, five hours from Group B, and an additional eight hours from Groups A or B.
   a. Group A courses: AGR 399(1-5); AGS 161(3), 162(1), 163(1), 164(1), 185(3), 191(2), 196(2), 262(2), 263(1), 264(1), 306(3), 342(2), 346(2), 361(3), 362(3), 363(1), 364(1), 385(3), 389(3), 402(3), 432(3), 442(3), 446(3), 452(3), 453(3), 461(3), 492(1-3), 511(3)
   b. Group B courses: AGB 314(3), 334(3), 344(3), 354(2), 364(3), 374(3), 384(2), 394(1), 444(3), 494(1), 514(3), 524(3), 534(3), 584(3), 594(3); AGN 143(3, 215(3), 216(1), 335(3), 343(4), 351(2), 405(3), 455(3), 543(3); AGR 250(2), 330(3), 370(3), 377(3), 399(1-5), 499(1-3); AGP 325(3), 333(3), 363(3), 365(3), 370(3), 393(3); AGC 183(3), 323(3), 333(3)
C. General Baccalaureate Degree Requirements

Minor(s)

Animal Science

Bachelor of Science

A. AGS 101(4), 311(3)
B. additional hours from other courses in Animal Science to total at least 20 hours.

Accelerated graduate program in Agriculture

Eligible Missouri State undergraduate students may apply for admission to the Agriculture program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for program details.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted

toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Companion Animal Management Certificate

Companion Animal Management

This certificate provides a program for students who desire an education that exposes them to companion animals. Some students in disciplines outside of agriculture may desire this certificate if they intend to incorporate companion animals into mental or physical therapy programs.

Admission requirements

To be admitted, students must submit a personal statement explaining their reasons for seeking the certificate and how the program will meet their professional goals. It is highly recommended that a student has had a college level math and English course.

Program requirements (15 hours)

A. AGS 185(3), 385(3), 389(3), 485(3)
B. Internship: AGR 499(3) with approval of advisor and an emphasis in companion animals, specifically at a small animal veterinary clinic, animal shelter, training facility, or breeding operation.
C. All candidates must satisfy the General University Certificate Requirements.

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

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https://www.missouristate.edu/registrar/catalog/prog-companion-animal-management-certificate.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Companion Animal Science

Minor(s)

Companion Animal Science

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Science

A minor in Companion Animal Science provides students with a broad foundation of knowledge in the physiology, anatomy, nutrition, reproduction, welfare, behavior, and husbandry of companion animals. The minor prepares students for all aspects of care and management of companion animals. Pre-veterinary students can utilize the curriculum in preparing for veterinary school.

Complete AGS 101(4), 185(3), 310(3), 385(3), 389(3), 485(3)

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https://www.missouristate.edu/registrar/catalog/prog-companion-animal-science.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Equine Studies

Minor(s)

Equine Studies

Bachelor of Arts

Bachelor of Science

A. AGS 101(4), 161(3), 191(2), 311(3), 461(3)
B. 6 additional hours from courses in Equine Studies to be determined by consultation with advisor.

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Missouri State

Ranch Management

Minor(s)

Ranch Management

Bachelor of Applied Science

Bachelor of Science

A. AGB 584(3), AGP 370(3), AGS 496(3)
B. Complete two of the following production courses: AGS 432(3), AGS 446(3), AGS 452(3), AGS 453(3)
C. Complete one additional course from each of the two following groups to total at least 20 hours:
    1. Group A: AGS 310(3), AGS 311(3), AGS 302(3)
    2. Group B: AGN 143(3), AGN 323(3), AGN 543(3), BIO 373(3)

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Environmental Plant Science and Natural Resources

Programs

Indicates accelerated graduate program is available

Undergraduate

Agronomy (Minor)

Environmental Plant Science (BS)

Forestry (Minor)

Horticulture (Minor)

Natural Resources (BS)

Sustainable Food Production (Certificate)

Wildlife Conservation and Management (BS)

Graduate

Plant Science (MS)

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Missouri State

Environmental Plant Science and Natural Resources Faculty

Professors

Michael G. Burton, PhD

Ronald P. Del Vecchio, PhD

Chin-Feng Hwang, PhD

Research professors

Maciej A. Pszczolkowski, PhD

Wenping Qiu, PhD

Karl L. Wilker, PhD

Associate professors

Clydette M. Alsup-Egbers, PhD

Melissa A. Bledsoe, PhD

Assistant Professors

Michael Goerndt, PhD

Sarah Lancaster, PhD

William E. McClain, PhD

Clinical instructors

Jennifer S. Morganthaler, BS

Marilyn B. Odneal, MS

Emeritus faculty

Ben D. Fuqua, PhD

Martin L. Kaps, PhD

Pamela Trewatha, PhD

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Missouri State

Environmental Plant Science and Natural Resources Courses

Agricultural Natural Resources (AGN) courses

AGN 115 Sustainable Agriculture and the Environment

This course examines the practice of agro-ecology: the interface of management, biology, and the environment in our effort to produce food, feed, and fiber for a rapidly growing human population. Consequences of historical and current practices, as well as strengths and weaknesses of alternative practices that attempt to employ more knowledge of biology and ecology, will also be evaluated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AGN 143 Introductory Forestry

Introduction to field of forestry. In addition to traditional topics of species identification, biology and timber management, this course examines the sociological, environmental, political and industrial influences on domestic and international management of forest resources.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AGN 215 Soils

Recommended Prerequisite: CHM 107 or 116 or CHM 160. Physical, chemical and biological activities within the soil as related to moisture, temperature, drainage, and tillage.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AGN 216 Soils Lab

Recommended Prerequisite: AGN 215 or concurrent enrollment. Laboratory and computer methods for evaluation of the physical, chemical and biological properties of soil.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

AGN 323 Intermediate Forestry

Recommended Prerequisite: AGN 143. This course encompasses topics of forestry science including tree identification, Missouri forest products, integrated wildlife management, hardwood and shortleaf pine management, timber sales, urban forestry and more. The course is centered on in-field examples and field work. Each student will also compile a forestry management plan as a final project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

AGN 335 Soil Conservation and Water Management

Recommended Prerequisite: AGP 103 or AGN 115 or AGN 215. The history and policies surrounding management of soil and water resources will be considered, but the majority of class time will be used addressing the processes of erosion and nutrient loss, and the practices used to conserve natural resources and sustain productivity/function of cropland, pasture, urban, and wild landscapes. May be taught concurrently with AGN 635. Cannot receive credit for both AGN 335 and AGN 635.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AGN 336 Dendrology and Wood Science

Prerequisite: AGN 143.

Dendrology includes the study of plant taxonomy, with emphasis in identification, species associations, morphology, and range of tree and woody shrub species. This course will focus on dendrology of tree species common to Missouri and surrounding states, and the identification of cellular features of both hardwood and softwood species and of tree species based on wood characteristics alone.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGN 343 Measurements and Sampling for Forest Management

Prerequisite: AGN 143.

Theory and practice of forest sampling and cruising techniques including: stratified and non-stratified sampling systems with fixed plots, variable plots, and tree measurement techniques. Special emphasis is placed on practical application of forest measurements through field experience and computer-based learning.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall

AGN 345 Forest Ecosystems

Prerequisite: AGN 143.

This course will focus on factors affecting forest structure and composition, the effects of environmental gradients on plant species distribution, the dynamics of vegetation communities over time, and key ecosystem-level processes such as the cycling of carbon and nutrients.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

AGN 351 Game Bird Production

Production and management of quail, pheasants and other game birds.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

AGN 353 Wildland Fire Management

Recommended Prerequisite: AGN 143. This class provides basic knowledge of wildland and prescribed fire management and utilizes the National Wildfire Coordination Group (NWCG) entry level courses to prepare for NWCG firefighter qualification. Subjects include fireline leadership, organization, suppression tactics, fire weather, fire suppression, prescribed fire tools, natural cover fuels, and an introduction to the use of prescribed fire for wildlife habitat management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

AGN 405 Soil Fertility and Plant Nutrition

Prerequisite: AGN 215.

Principles of soil fertility, amendments and factors affecting nutrient availability and plant growth. May be taught concurrently with AGN 605. Cannot receive credit for both AGN 405 and AGN 605.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGN 455 Soil Genesis, Morphology and Classification

Recommended Prerequisite: AGN 215. Pedogenetic processes that are responsible for genesis, morphology, and classification of the twelve orders of soil taxonomy will be covered along with interpretation of water relationships, site characteristics, soil classification and land use. May be taught concurrently with AGN 655. Cannot receive credit for both AGN 455 and AGN 655.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

AGN 465 Environmental Soil Science

Recommended Prerequisite: AGN 215. Application of soil physical, chemical, and biological properties influencing agriculture, natural resources, and environmental science. Students will determine site suitability for agricultural and engineering purposes using information from onsite evaluations, soil survey, and other appropriate resources.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

AGN 495 Problems in Plant Science and Natural Resources

Prerequisite: permission of instructor.

Assigned investigations, dealing with current problems in plant science and soil science supervised by an agricultural staff member. Student prepares outline, investigates sources of information concerning the subject, and summarizes the findings in a written report. May be repeated with permission.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

AGN 543 Silviculture

Prerequisite: AGN 143.

This course will examine natural tree and stand development, as well as fundamentals of forest stand dynamics, site productivity, stand density and tree growth. As such, this course will provide a scientific and practical basis for concepts such as regeneration techniques, density management, wildlife habitat management and other silvicultural principles. May be taught concurrently with AGN 643. Cannot receive credit for both AGN 543 and AGN 643.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGN 605 Soil Fertility and Plant Nutrition

Prerequisite: AGN 215.

Theoretical and applied aspects of soil fertility emphasizing ion transport, nutrient availability, and root absorption in soils-plant environments. May be taught concurrently with AGN 405. Cannot receive credit for both AGN 605 and AGN 405.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGN 635 Soil Conservation and Water Management

The history and policies surrounding management of soil and water resources will be considered, but the majority of class time will be used addressing the processes of erosion and nutrient loss, and the practices used to conserve natural resources and sustain productivity/function of cropland, pasture, urban, and wild landscapes. May be taught concurrently with AGN 335. Cannot receive credit for both AGN 635 and AGN 335.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AGN 643 Silviculture

This course will examine natural tree and stand development, as well as fundamentals of forest stand dynamics, site productivity, stand density and tree growth. As such, this course will provide a scientific and practical basis for concepts such as regeneration techniques, density management, wildlife habitat management and other silvicultural principles. May be taught concurrently with AGN 543. Cannot receive credit for both AGN 543 and AGN 643.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGN 655 Soil Genesis, Morphology and Classification

Recommended Prerequisite: AGN 465. Pedogenetic processes, macromorphology, micromorphology, redoximorphic features, and classification as related to soil taxonomy, with GIS applications for use of soil survey information discussed, if time allows. May be taught concurrently with AGN 455. Cannot receive credit for both AGN 655 and AGN 455.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

AGN 699 Special Topics in Natural Resources

Special study in an identified area of natural resources not treated in other courses. Recent advances and new research techniques will be discussed. Variable content course. May be repeated to a maximum of nine hours provided the same topic is not duplicated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGN 725 Advanced Soils Interpretations

Recommended Prerequisite: AGN 465. Field interpretation of physical and chemical properties, water relationships, and soil landscape relationships.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Upon demand

AGN 730 Advanced Topics in Natural Resources

Prerequisite: permission of instructor.

An advanced topic in natural resources will be addressed via faculty lectures and student projects. Variable content course. May be repeated to a maximum of nine hours provided the same topic is not duplicated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

Agricultural Plant Science (AGP) courses

AGP 103 Plant Science

An introduction to the fascinating world of plant science and plant physiology including the areas of food and ornamental crops and sustainable agriculture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AGP 104 Plant Science Laboratory

Prerequisite: AGP 103 or concurrent enrollment or permission of instructor.

Provides opportunities for 'hands-on' application of concepts of plant science through the use of basic plant science research and production practices.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

AGP 121 Introduction to Wine

An introduction to wine in the modern world. History, classification, production and the geography of wine. The basics of wine appreciation will also be examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

AGP 300 Wine Appreciation for Consumers

Prerequisite: must be 21 years of age or older.

Students participate in a series of tastings designed to introduce them to the major wine types and the range of styles within those types. Tests and other materials will be available online.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

AGP 303 Suburban Horticulture

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and 111 or BIO 121. Horticultural concepts and their application to the growth and maintenance of fruit, vegetables and ornamentals common to most homes. Will not count toward the Environmental Plant Science major or Horticulture minor. May be taught concurrently with AGP 603. Cannot receive credit for both AGP 303 and AGP 603.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGP 325 Herbaceous Plants

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and 111 or BIO 121. Nomenclature, identification, characteristics and cultural requirements of indoor and outdoor herbaceous ornamental plants.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGP 333 Landscape Design

Development and drafting of designs for residential, business, and recreational landscapes. Concepts focus on incorporating plants and materials to create aesthetic, functional, low-maintenance, sustainable and environmentally-friendly landscaping.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

AGP 353 Turf Science

AGP 353 Turf Science

Recommended Prerequisite: AGP 103 or BIO 101 and 111 or BIO 121. A scientific approach to the physiology of turfgrass in response to the environment, and the selection, establishment, maintenance and pest management relevant to utility, lawn and sports turf. Field trips required. May be taught concurrently with AGP 653. Cannot receive credit for both AGP 353 and AGP 653.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGP 363 Landscape Plants

Recommended Prerequisite: AGP 103 or BIO 101 and 111 or BIO 121. Identification, classification and adaptation of common trees, shrubs and groundcovers used for landscape purposes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGP 365 Grain Crops for Food, Feed and Energy

Prerequisite: AGP 103 or AGN 115.

Adaptation, production, and utilization of the major grain crops for human and animal (livestock and wildlife) consumption and energy production. May be taught concurrently with AGP 665. Cannot receive credit for both AGP 365 and AGP 665.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGP 370 Forage Crops for Animals and the Environment

Prerequisite: AGP 103 or AGN 115.

Adaptation, production and utilization of the major forage crops for grazing, hay, and silage production, as well as their effects on environmental quality and wildlife. May be taught concurrently with AGP 670. Cannot receive credit for both AGP 370 and AGP 670.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AGP 393 Fruit Production

Recommended Prerequisite: AGP 103 or BIO 101 and 111 or BIO 121. The culture and management of tree fruit, grapes, strawberries and other small fruit. Nuts, tropical and subtropical fruits, sustainable management, and production technology are also addressed. May be taught concurrently with AGP 701. Students cannot receive credit for both AGP 393 and AGP 693.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGP 399 Special Topics Plant Science

Special study in an identified area of plant science not treated in other courses. Variable content course. May be repeated to a maximum of nine hours provided the same topic is not duplicated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGP 403 Nursery Management

Recommended Prerequisite: AGP 363 or BIO 334 or BIO 339. General principles and practices involved in the commercial production, management, and marketing of landscape plants. Field trips required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall (odd-numbered years)

AGP 425 Hydroponic Systems

Recommended Prerequisite: AGP 103 and AGP 104 and AGN 405 and AGP 453. This course focuses on the "growing" industry of hydroponics, and includes the different methods and systems used to grow plants without soil, and the science of plant nutrition and production. In the hands-on lab, students plan, build, and manage hydroponic systems for growing plants and apply entrepreneurial strategies for associated business plans. Field trips include visiting local hydroponic growers. May be taught concurrently with AGP 625. Cannot receive credit for both AGP 425 and AGP 625.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGP 433 Advanced Landscape Design

Prerequisite: AGP 333; and AGP 325 or AGP 363.

Concepts and development of sustainable landscapes for residential, commercial and government land, including rain gardens, green roofs, riparian buffer zones, prairie and wetlands, plus more in-depth coverage of specialized landscape areas such as water gardens and Japanese-style gardens. Training in use of landscape design 2D/3D software is included.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall (even-numbered years)

AGP 441 Vegetable Production

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and 111 or BIO 121. Methods and practices of home and commercial vegetable production with an emphasis on using environmentally-friendly production and maintenance techniques to optimize yield and quality of

vegetables. The purpose of this course is to familiarize students with the practices required for commercial production of a wide variety of vegetables. May be taught concurrently with AGP 641. Cannot receive credit for both AGP 441 and AGP 641.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGP 442 Vegetable Production Practicum

Prerequisite: AGP 441 or concurrent enrollment.

Recommended Prerequisite: AGP 103 or BIO 101 and 111 or BIO 121. Exposing students to basic and advanced principles of growing vegetable crops, this is a hands-on immersion in vegetable production, including crop planning, preparing the garden/field, creating and/or maintaining healthy garden soils, crop propagation, multiple methods of constructing plant support and season-extension structures, cultural care including pest control, fertilization and attracting beneficial organisms to the soil and plants, harvesting, and proper postharvest techniques.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Spring

AGP 453 Crop Physiology

Recommended Prerequisite: AGP 103 or BIO 101 or higher; 3 additional hours in AGP or BIO plant courses. General, stress-related and post-harvest physiology of horticulture and agronomic crops in relationship to their environments. May be taught concurrently with AGP 633. Cannot receive credit for both AGP 453 and AGP 633.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGP 485 Weed Science

Recommended Prerequisite: AGP 103 or AGN 115 or AGN 365 or AGN 370; and BIO 121 or BIO 101 and 111; and either CHM 107 or CHM 116 or CHM 160. Identification, physiology and impacts of invasive plants and crop weeds and methods for their control in natural and agroecosystems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGP 496 Independent Study in Fruit Science

The student, with the approval of the instructor, conducts an in-depth literature review and writes a paper on a subject within the area of fruit production, fruit processing, or fruit marketing. May be repeated to a maximum of three hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGP 499 Internship in Plant Science and Natural Resources

Course will integrate class experience with actual practice and provide students with hands-on experience in businesses or agencies which employ Plant Sciences and Natural Resources majors. Students are required to complete at least 80 hours per each credit hour enrolled for a paid internship, or at least 40 hours per credit hour for a non-paid internship. Students are also expected to complete a daily log of activities, a summary paper, and summary presentation of their internship experience. May be repeated to a maximum of 10 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-8			Fall, Spring, Summer

AGP 513 Insects Affecting Horticulture and Forestry Crops

Prerequisite: permission of instructor.

Identification, life histories and control methods of insects affecting gardens, ornamental plants, orchards and forests. May be taught concurrently with AGP 613. Cannot receive credit for both AGP 513 and AGP 613.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall

AGP 543 Greenhouse Management

Recommended Prerequisite: AGP 103. Factors involved in site selection, construction, and management of greenhouses and other controlled-environment structures for production of floriculture and food crops. Sustainable production methods are emphasized. May be taught concurrently with AGP 663. Cannot receive credit for both AGP 543 and AGP 663.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

AGP 573 Plant Propagation

Recommended Prerequisite: AGP 103 or BIO 101 and 111 or BIO 121; CHM 107 or CHM 116 or CHM 160. Practices employed by fruit and ornamental plant producers in propagation of plants, including seeds, cuttings, layerings, grafting and micropropagation. May be taught concurrently with AGP 673. Cannot receive credit for both AGP 573 and AGP 673.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGP 575 Plant Breeding and Genetics

Recommended Prerequisite: AGP 103 or AGN 115. Application of genetic principles to the improvement of crop plants. Includes self-pollinated, cross-pollinated, and asexually-propagated crops. May be taught concurrently with AGP 675. Cannot receive credit for both AGP

575 and AGP 675.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

AGP 576 Plant Breeding and Genetics Lab

Prerequisite: AGP 575 or concurrent enrollment.

Laboratory activities related to plant breeding and genetic improvement of crop plants. May be taught concurrently with AGP 676. Cannot receive credit for both AGP 576 and AGP 676.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

AGP 580 Plant Biotechnology

This course provides lecture and hands-on exposure to general plant biotechnology, including DNA and RNA extraction, cloning and sequence analysis of DNA fragments, detection of plant viruses by polymerase chain reaction (PCR) and generation of genetically-modified plants. May be taught concurrently with AGP 680. Students cannot receive credit for both AGP 580 and AGP 680.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

AGP 581 Applied Entomology

Principles of insect life; careful study of a number of common insect pests, their identification and control.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGP 583 Plant Pathology

Recommended Prerequisite: 9 hours of plant science (AGP). Diseases and physiological disorders of fruit, vegetables, agronomic crops and ornamental plants. Emphasis is placed on the interactions between plants and pathogenic organisms, on environmental factors that cause plant diseases, and on disease control methods that reduce or eliminate the need for chemical applications. Students will gain insight into the techniques to manage plant diseases, and the impact plant diseases have on humans and the environment. May be taught concurrently with AGP 683. Cannot receive credit for both AGP 583 and AGP 683.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGP 584 Insect Identification

Recommended Prerequisite: AGP 581 or concurrent enrollment. Identification of insect and other arthropod pests of crops, forest, feed, livestock and buildings, as well as beneficial insects/arthropods.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

AGP 585 Weed Ecology and Management

Recommended Prerequisite: AGN 115 or AGP 103 or AGP 365 or AGP 370; and BIO 121 or BIO 101 and 111; and either CHM 107 or CHM 116 or CHM 160. Ecology, physiology and impacts of invasive plants and crop weeds and methods for their control in natural and agroecosystems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGP 586 Weed Identification

Recommended Prerequisite: AGP 585 or concurrent enrollment. Identification of crop, pasture and invasive weeds of mid-south central U.S. and methods for their control.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

AGP 603 Suburban Horticulture

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and 111 or BIO 121. Horticultural concepts and their application to the growth and maintenance of fruit, vegetables and ornamentals common to most homes. Will not count toward the Environmental Plant Science major or Horticulture minor. May be taught concurrently with AGP 303. Cannot receive credit for both AGP 603 and AGP 303.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AGP 613 Insects Affecting Horticulture and Forestry Crops

Prerequisite: permission of instructor.

Identification, life histories and control methods of insects affecting gardens, ornamental plants, orchards and forests. May be taught concurrently with AGP 513. Cannot receive credit for both AGP 613 and AGP 513.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	1 **Lecture contact hours**	4 **Lab contact hours**	Fall **Typically offered**

AGP 625 Hydroponic Systems

Recommended Prerequisite: AGP 103 and AGP 104 and AGN 405 and AGP 453. This course focuses on the "growing" industry of hydroponics, and includes the different methods and systems used to grow plants without soil, and the science of plant nutrition and production. In the hands-on lab, students plan, build, and manage hydroponic systems for growing plants and apply entrepreneurial strategies for associated business plans. Field trips include visiting local hydroponic growers. May be taught concurrently with AGP 425. Cannot receive credit for both AGP 625 and AGP 425.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGP 633 Crop Physiology

Recommended Prerequisite: AGP 103 or BIO 101 and 111; 3 hours additional AGP or BIO plant courses. General, stress-related and post-harvest physiology of horticulture and agronomic crops in relationship to their environments. May be taught concurrently with AGP 453. Cannot receive credit for both AGP 453 and AGP 633.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGP 641 Vegetable Production

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and 111 or BIO 121. Methods of commercial vegetable production with an emphasis on using sustainable production techniques to optimize yield and quality of vegetables. The purpose of this course is to expand knowledge in commercial vegetable production. May be taught concurrently with AGP 441. Cannot receive credit for both AGP 641 and AGP 441.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGP 653 Turf Science

Recommended Prerequisite: AGP 103 or BIO 101 and 111 or BIO 121. A scientific approach to the physiology of turfgrass in response to the environment, and the selection, establishment, maintenance and pest management relevant to utility, lawn and sports turf. Field trips required. May be taught concurrently with AGP 353. Cannot receive credit for both AGP 353 and AGP 653.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGP 663 Greenhouse Production

Recommended Prerequisite: AGP 103. Factors involved in site selection, construction and management of greenhouses and other

Recommended Prerequisite: AGP 103. Factors involved in site-selection, construction and management of greenhouses and other controlled-environment structures for production of floriculture and food crops. Sustainable production methods are emphasized. May be taught concurrently with AGP 543. Cannot receive credit for both AGP 663 and AGP 543.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGP 665 Grain Crops for Food, Feed and Energy

Adaptation, production, and utilization of the major grain crops for human and animal (livestock and wildlife) consumption and energy production. May be taught concurrently with AGP 365. Cannot receive credit for both AGP 665 and AGP 365.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGP 670 Forage Crops for Animals and the Environment

Prerequisite: AGP 103 or AGN 115 or equivalent.

Adaptation, production and utilization of the major forage crops for grazing, hay, and silage production, as well as their effects on environmental quality and wildlife. May be taught concurrently with AGP 370. Cannot receive credit for both AGP 670 and AGP 370.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AGP 673 Plant Propagation

Recommended Prerequisite: AGP 103; and AGN 115 or BIO 121; and CHM 107 or CHM 116 or CHM 160. Practices employed by fruit and ornamental plant producers in propagation of plants, including seeds, cuttings, layerings, grafting and micropropagation. May be taught concurrently with AGP 573. Cannot receive credit for both AGP 673 and AGP 573.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AGP 675 Plant Breeding and Genetics

Recommended Prerequisite: AGP 103 or AGN 115. Application of genetic principles to the improvement of crop plants. Includes self-pollinated, cross-pollinated, and asexually-propagated crops. May be taught concurrently with AGP 575. Cannot receive credit for both AGP 675 and AGP 575.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

AGP 676 Plant Breeding and Genetics Lab

Prerequisite: AGP 575 or AGP 675 or concurrent enrollment.

Laboratory activities related to plant breeding and genetic improvement of crop plants. May be taught concurrently with AGP 576. Cannot receive credit for both AGP 676 and AGP 576.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

AGP 680 Plant Biotechnology

This course provides lecture and hands-on exposure to more in-depth concepts in plant biotechnology, including DNA and RNA extraction, cloning and sequence analysis of DNA fragments, detection of plant viruses by polymerase chain reaction (PCR) and generation of genetically-modified plants. May be taught concurrently with AGP 580. Cannot receive credit for both AGP 580 and AGP 680.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

AGP 683 Plant Pathology

Recommended Prerequisite: 9 hours of plant science (AGP). Continued study into diseases and physiological disorders of fruit, vegetables, agronomic crops and ornamental plants. Emphasis is placed on the interactions between plants and pathogenic organisms, on environmental factors that cause plant diseases, and on disease control methods that reduce or eliminate the need for chemical applications. Students will gain insight into the techniques to manage plant diseases, and the impact plant diseases have on humans and the environment. May be taught concurrently with AGP 583. Cannot receive credit for both AGP 683 and AGP 583.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGP 685 Weed Ecology and Management

Prerequisite: AGP 103 or AGN 115; and BIO 101 or BIO 121; and CHM 107 or CHM 116 or CHM 160.

Recommended Prerequisite: AGP 353 or AGP 365 or AGP 370 or AGP 393 or AGP 441. Ecology, physiology and impacts of invasive plants and crop weeds and methods for their control in natural and agroecosystems. May be taught concurrently with AGP 585. Cannot receive credit for both AGP 685 and AGP 585.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGP 693 Fruit Production

Prerequisite: permission of instructor.

The culture and management of perennial fruit crops adapted to temperate climates. Physiology, technology, and research as it applies to modern production practices will be emphasized. May be taught concurrently with AGP 393. Students cannot receive credit for both AGP 693 and AGP 393.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

AGP 699 Special Topics in Plant Science

Special study in an identified area of plant science not treated in other courses. Variable content course. May be repeated to a maximum of nine hours provided the same topic is not duplicated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGP 700 Plant Science Colloquium

Prerequisite: permission of graduate coordinator.

A series of oral presentations on new developments in plant science. Presentations to be made by faculty members, students, and guest speakers from industry and academe. May be repeated, but not more than two hours may be counted toward the MS degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring, Summer

AGP 711 Viticulture

Recommended Prerequisite: BIO 644. Principles of growing grapes based upon the genetics, physiology, development and morphology of the genus Vitis; the environments in which grapes are grown; and the uses of grapes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGP 721 Enology

Recommended Prerequisite: BIO 310. The course will study the chemistry, microbiology, and technology of modern wine production.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGP 722 Enology Lab

Prerequisite: AGP 721.

Laboratory techniques in assessing wine production methods and quality.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall

AGP 730 Advanced Topics in Plant Science

Prerequisite: permission of instructor.

An advanced topic in plant science will be addressed via faculty lectures and student projects. Examples of proposed topics include: Improved Disease Resistance in Viticulture, and Application of Field Collected Data to Computer Analysis. Variable content course. May be repeated to a maximum of nine hours provided the same topic is not duplicated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AGP 731 Plant Genetic Engineering

Prerequisite: permission of instructor.

Principles, methodology, and commercial applications of plant biotechnology. Includes brief introduction to nucleic acid structure, gene regulation, and genome organization in eukaryotic and prokaryotic organisms.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

AGP 753 Plant Stress Physiology

Prerequisite: permission of instructor.

The effects of environmental stresses on plant physiological functions and plant growth, plus cultural methods to help plants adapt to stress.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

AGP 773 Plant Growth Regulation

Prerequisite: permission of instructor.

The role of natural and synthetic plant hormones and related compounds in the growth, reproduction and cultivation of plants.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Agronomy

Minor(s)

Agronomy

Bachelor of Science

A. AGN 115 or AGP 103(3)
B. Additional hours from the following courses to total at least 20 hours: AGN 143(3), 215(3), 335(3), 405(3); AGP 365(3), 370(3), 583(3), 485(3), 575(2); AGR 300(3)

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Missouri State

Office of the Registrar
Undergraduate Catalog

Environmental Plant Science

Major(s)

Environmental Plant Science (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
   Specific General Education Requirements: BIO 121(4) or BIO 101(3) and 111(1); GEP 101(2) or UHC 110(2) or AGR 301(1)
B. Major Requirements
   1. AGP 103(3), 104(1), 453(3); AGN 115(3), 215(3), 216(1), 405(3); AGB 144(4) or ECO 155(3); and ECO 165(3); AGR 300(3), 490(1), 499(3); CHM 107(3) and 108(1); or CHM 116(4) and 117(1); or CHM 160(4) and 161(1)
   2. Core Pest Management Requirements:
      a. AGP 485(3) or 585(3); AGP 583(3); AGP 581(3)
      b. Select two courses from the following: AGP 584(1), AGP 586(1)
   3. Public Affairs Capstone Experience Requirement will be fulfilled by completion of AGR 499(3).
   4. Complete one of the following emphasis areas:
      a. Business Emphasis: (8-9 hours)
         1. ACC 201(3); AGB 334(3) or MKT 350(3)
         2. Select one course from the following: AGB 354(2), 364(3), 374(3); MGT 340(3), 384(3)
      b. Science Emphasis: (10-18 hours) Select four courses from the following: AGN 495(1-3), AGP 496(1-3); AGP 575(3); AGR 330(3); BIO 122(4); BIO 212(2) and 213(1) or BIO 312(3) and 313(2); BIO 235(3) and 236(1); BIO 334(3); BIO 367(3) and 368(1); BIO 436(4), BIO 544(4); CHM 352(3)
   5. Complete one of the following options:
      a. **Horticulture (21-22 hours)**
         1. AGP 325(3), 363(3), 393(3), 441(3), 573(3)
         2. Horticulture Electives-select two courses from the following: AGN 143(3); AGN 335(3); AGP 333(3), 353(3), 403(3), 433(2), 442(1), 543(3); TCM 110(3) or foreign language courses 300 level or higher or international study course approved by major advisor.
      b. **Crop Science (21-23 hours)**
         1. AGN 335(3), 465(3)
         2. Crop Production courses-select two courses from the following: AGP 441(3), 365(3), 370(3), 393(3)
         3. Crop Science Electives-select three courses from the following: AGN 143(3); AGS 101(4), 311(3); GEO 360(3), GEO 363(4); or additional AGP courses 300 level or higher or international study course approved by major advisor.
C. General Baccalaureate Degree Requirements

Accelerated graduate program in Agriculture

Eligible Missouri State undergraduate students may apply for admission to the Agriculture program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for program details.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Forestry

Minor(s)

Forestry

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Science

A. Complete following three courses: AGN 143(3), 343(3), 543(3)
B. Complete at least two courses from the following: AGN 323(3), 336(3), 345(3), 353(2)
C. Complete additional hours from list B or the following to total at least 20 hours: AGN 335(3), AGP 583(3), BIO 339(2); BIO 367(3) and 368(1); GEO 360(3), GEO 363(4), MTH 340(3)

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Missouri State

Office of the Registrar
Undergraduate Catalog

Horticulture

Minor(s)

Horticulture

Bachelor of Science

A. AGN 115 or AGP 103(3)
B. Additional hours from the following courses to total at least 20 hours: AGP 333(3), 353(2), 363(3), 393(3), 441(3), 543(3), 573(3), 583(3)

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Missouri State

Office of the Registrar
Undergraduate Catalog

Natural Resources

Major(s)

Natural Resources (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
   Specific General Education Requirements: BIO 101(3) and 111(1) or BIO 121(4); GLG 110(4) or GRY 135(4) or GRY 142(4); GEP 101(2) or UHC 110(2) or AGR 301(1)
B. Major Requirements
   1. AGB 144(4); AGN 115(3), 215(3), 335(3), 405(3), 465(3); AGR 300(3), 490(1), 499(3); AGS 101(4)
   2. CHM 107(3) and 108(1); or CHM 116(4) and 117(1); or CHM 160(4)
   3. Select one course from: AGP 441(3), 353(3), 365(3), 370(3), 393(3)
   4. Select one course from: AGB 314(3) or 354(2)
   5. Core pest management requirements: AGP 583(3), 485(3); AGR 383(3)-course deleted-see advisor
   6. Select 6 hours from: AGB 394(1), 494(1); AGN 143(3); AGP 103(3), 453(3); GEO 360(3), GEO 363(4)
   7. Public Affairs Capstone Experience Requirement will be fulfilled by completion of AGR 499(3).
C. General Baccalaureate Degree Requirements

Accelerated graduate program in Agriculture

Eligible Missouri State undergraduate students may apply for admission to the Agriculture program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for program details.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Sustainable Food Production Certificate

Sustainable Food Production

This certificate provides information to grow plant-based produce for human consumption using sustainable cropping system practices. Students who complete this certificate will obtain fundamental knowledge of successful plant production systems and gain practical, hands-on experiences in growing food.

Program requirements (15 hours)

A. AGP 441(3)
B. Select 3 hours from the following: AGP 393(3), 399(3), 425(3), 543(3). Note: AGP 399 topic must be High Tunnel Crop Production.
C. Complete a 3-hour internship: AGP 499 Internship in Plant Science and Natural Resources or AGR 499 Internship in Agriculture. Internship must be approved by certificate advisor and involve obtaining practical knowledge and applied experiences in plant-based food production. Up to 6 hours may be applied toward the certificate.
D. Select additional courses from the following to total 15 hours for the certificate: AGB 584(3), AGB 594 (3), AGN 405(3), AGN 495(1-3)**, AGP 365(3), AGP 399(1-3)**, AGP 442(2), AGP 573(3), AGP 581(3), AGP 583(3), AGP 585(3), or other AGN, AGP, or AGR courses 300-level and above, as approved by certificate advisor.
E. All candidates must satisfy the General University Certificate Requirements

**Topic must be approved by certificate advisor. Up to 6 hours of AGP 399 may be applied toward the certificate. Up to 3 hours of AGN 495 may be applied toward the certificate.

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Wildlife Conservation and Management

Major(s)

Wildlife Conservation and Management (Comprehensive)

Bachelor of Science

This major is offered in cooperation with the Biology Department.

A. General Education Program and Requirements
   Specific General Education Requirements: BIO 121(4); GLG 110(4), GRY 100(3); MTH 135(3) or 138(5)
B. Major Requirements
   1. Agriculture Requirements:
      a. AGN 115(3) or AGP 103(3); AGN 143(3), 215(3), 335(3); AGP 365(3) or 370(3); AGR 383(3)-course deleted-see advisor; AGR 490(1); GEP 101(2) or UHC 110(2) or AGR 301(1)
      b. Select two courses (4-6 hours) from: AGB 354(2); AGN 351(2); AGP 333(3), 485(3), 583(3)
   2. Biology Requirements:
      a. BIO 121(4)*, 122(4)*, 334(3), 339(2), 373(3)
      b. Select one option from: BIO 367(3) and 368(1); BIO 436(4), 562(4)
      c. Select two courses from: BIO 573(3), 575(3), 577(3)
      *Students who have prior credit for BIO 134 and 167 combination are not required to take BIO 121 and 122; BIO 121 and 122 cannot count as degree credit if BIO 134 and 167 are counted as credit.
   3. Complete CHM 116(4) and 117(1); or CHM 160(4)
   4. Select ten additional hours in Agriculture and/or Biology
   5. Public Affairs Capstone Experience Requirement will be fulfilled by completion of AGP 365(3) or 370(3).
C. General Baccalaureate Degree Requirements

Accelerated graduate program in Agriculture

Eligible Missouri State undergraduate students may apply for admission to the Agriculture program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 credit hours from approved graduate-level courses may be counted towards both the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for program details.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Colleges and Academic Units

Colleges

Missouri State has seven academic colleges and one Graduate College. These units comprise the overall structure of the University's academic programs.

College of Arts and Letters

College of Business

College of Education

College of Humanities and Public Affairs

College of Natural and Applied Sciences

Graduate College

McQueary College of Health and Human Services

William H. Darr College of Agriculture

Academic units

A

Accountancy, School of

Agribusiness, Agricultural Education and Communications Department

Anesthesia, School of

Animal Science Department

Area Studies Programs

Art and Design Department

B

Biology Department

Biomedical Sciences Department

C

Chemistry Department

Childhood Education and Family Studies Department

Communication Department

Communication Sciences and Disorders Department

Computer Science Department

Counseling, Leadership and Special Education Department

Criminology and Criminal Justice Department

D

Defense and Strategic Studies Department

E

Economics Department

Engineering Program

English Department

Environmental Plant Science and Natural Resources Department

F

Finance and General Business Department

G

Geography, Geology and Planning Department

Global Studies Program

Graduate College

Greenwood Laboratory School

H

History Department

Honors College

Hospitality Leadership Department

I

Information Technology and Cybersecurity Department

Interdisciplinary Studies Programs

K

Kinesiology Department

L

Library Science Department

Linguistics Program

M

Management Department

Marketing Department

Mathematics Department

Media, Journalism & Film Department

Merchandising and Fashion Design Department

Military Science Department

Modern and Classical Languages Department

Music Department

N

Nursing, School of

O

Occupational Therapy Department

P

Philosophy Department

Physical Therapy Department

Physician Assistant Studies Department

Physics, Astronomy and Materials Science Department

Political Science Department

Psychology Department

Public Health Program

R

Reading, Foundations and Technology Department

Religious Studies Department

S

Social Work, School of

Sociology and Anthropology Department

Sports Medicine and Athletic Training Department

T

Technology and Construction Management Department

Theatre and Dance Department

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Missouri State

Office of the Registrar
Undergraduate Catalog

College of Arts and Letters

Programs

Indicates accelerated graduate program is available

Undergraduate

Advocacy Writing (Certificate)

Art (BFA, Minor)

Art and Design (BA)

Art and Design Education (BSEd)

Art History (BA, Minor)

Chinese (Minor)

Classics-Classical Humanities Concentration (Minor)

Classics-Concentration in Ancient Greek (Minor)

Classics-Latin Concentration (Minor)

Communication (BA, BS, Minor)

Conflict and Dispute Resolution (Certificate)

Conflict and Interpersonal Communication (BS)

Creative Writing (Minor)

Dance (BS, Minor)

Design (BFA, Minor)

Digital Film and Television Production (BS)

Documentary Filmmaking (Certificate)

Electronic Arts (Art and Design - BS)

Electronic Arts (Media, Journalism & Film - BS)

English (BA, BS, Minor)

English Education (BSEd)

Ethical Leadership (Minor)

Film and Media Studies (BA, BS)

Film Studies (Minor)

Folklore (Minor)

French (Minor)

German (Minor)

Global Studies (BA)

Interfaith Engagement (Certificate)
Interdisciplinary program offered by Department of Religious Studies and Department of Communications

Japanese (Minor)

Jazz Studies (Certificate)

Journalism (BS, Minor)

Linguistics (Minor)
Interdisciplinary program offered by College of Arts and Letters and Department of Sociology and Anthropology

Mass Media (Minor)

Modern Language (BS) *Options: Applied Business, Second Language, Teacher Certification, Translation*

Modern Language (BS) *Minor Required*

Museum Studies (Minor)

Museum Studies (Certificate)

Music (BA, BS)

English for Speakers of Other Languages (ESOL) (Minor)

Music, Bachelor of (BMus) *Options: Composition, Instrumental Performance, Jazz Performance, Keyboard Performance, Vocal Performance*

Music-Instrumental (BME)

Music-Vocal/Choral (BME)

Music (Minor)

Music Composition (Minor)

Musical Theatre (Music Department - BFA)

Musical Theatre (Theatre and Dance Department - BFA)

Organizational Communication (BS)

Press Politics (Certificate)

Professional Writing (BA, BS)

Public Relations (BS)

Recording Arts (Minor)

Rhetoric and Argument Writing (Certificate)

Screenwriting (Minor)

Socio-Political Communication (BS)

Spanish (Minor)

Spanish for the Professions (Certificate)

Speech and Theatre Education (Communication Department - BSEd)

Speech and Theatre Education (Theatre and Dance Department- BSEd)

Teaching English to Speakers of Other Languages (Minor)

Technical Writing (Minor)

Theatre (BA, BS, Minor)

Theatre and Dance (BFA)

Video Production (Certificate)

Writing (Minor)

Writing for Television and Film (Certificate)

Graduate

Applied Communication (Certificate)

Applied Second Language Acquisition (MASLA)

Choral Studies (Certificate)

Communication (MA)

Conflict and Dispute Resolution (Certificate)

English (MA)

Fine Arts, Visual Studies (MFA)

Foreign Language Teaching (non-certifiable) (Certificate)

French (Certificate)

Music (MM)

Music Education (Certificate)

Music Performance (Certificate)

Screenwriting for Television and Film (Certificate)

Secondary Education with option in Art (MSEd)

Secondary Education with option in English (MSEd)

Spanish (Certificate)

Teaching English to Speakers of Other Languages (Certificate)

Teaching of Writing K-12 (Certificate)

Technical and Professional Writing (Certificate)

Writing (MA)

Courses are offered toward the options in Applied Communication and Producing and Screenwriting within the Professional Studies program (MPS)

Centers for Research and Service

Center for Dispute Resolution

Contact

Dean

The Center for Dispute Resolution provides and supports several services and programs: Basic and Advanced Mediation Trainings; Presentations, Workshops, and Consultations; Facilitation Services; Certificate Programs in Conflict and Dispute Resolution; Mediation Referrals and Services; Victim-Offender Mediation Programs; Educational/Research Services; and Community Programs.

Missouri Fine Arts Academy

The Missouri Fine Arts Academy is a three-week summer residential program for highly motivated student artists in visual arts, theatre, dance, creative writing, and music. The Academy offers an intensive schedule of classes in interdisciplinary and discipline-specific arts, and a wide range of co-curricular activities. The Academy is conducted with the support and cooperation of Missouri State University, and is funded through program fees, endowments, scholarships, and private donations.

Ozarks Studies Institute

The Ozarks Studies Institute seeks to preserve the heritage of the Ozarks, its culture, environment, and history by fostering a comprehensive knowledge of Ozarks' peoples, places, characteristics and dynamics. The Institute publishes *OzarksWatch* magazine; supports the Ozarks Studies Program and academic minor; and sponsors a major annual festival, the Ozarks Celebration, as well as speakers, professional conferences, and workshops.

Shawn T. Wahl, PhD

Associate Deans

Jason R. Jolley, PhD

Linda Moser, PhD

Mary Jane Pardue, DA

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Missouri State

Department of Art and Design

Programs

Undergraduate

Art (BFA, Minor)

Art and Design (BA)

Art and Design Education (BSEd)

Art History (BA, Minor)

Design (BFA, Minor)

Electronic Arts (BS)

Museum Studies (Certificate)

Museum Studies (Minor)

Graduate

Fine Arts, Visual Studies (MFA)

Secondary Education with an option in Art (MSEd)

Accreditations

- Missouri Department of Elementary and Secondary Education – Art and Design (BSEd); Secondary Education/Art (MSEd)
- Council for the Accreditation of Educator Preparation – Art and Design (BSEd); Secondary Education/Art (MSEd)

General information

Waiver of ART 100

If an entering freshman feels that his/her art background is strong enough to permit a waiver of ART 100, Two Dimensional Design, application should be made to the Departmental Head. A portfolio will then be submitted, a written examination will be administered, and an interview will be conducted by a faculty committee of three. The waiver examination and an interview is given at 12:00 p.m. on the first day of class each semester. Application forms must be secured from the Art and Design Office prior to the examination date. At that time the student is given further information about the waiver.

Contact

Department head

Vonda K. Yarberry, MFA

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Missouri State

Art and Design Faculty

Professors

Keith A. Ekstam, MFA

Billie J.A. Follensbee, PhD

Catherine J. Jolivette, PhD

Mitzi Kirkland-Ives, PhD

Sean M. Lyman, MFA

Eric Pervukhin, MFA

Gwen D. Walstrand, MFA

Steve C. Willis, PhD

Vonda K. Yarberry, MFA

Associate professors

Jimmie R. Allen, MFA

Jacek M. Fraczak, MFA

Marcus J. Howell MFA

Kevin W. Hughes, MFA

Bryan C. Jennings, MFA

Duat Vu, MFA

Sarah K. Williams, MFA

Assistant professors

Joshua R. Albers, MFA

Deidre L. Argyle, MFA

Fatih Benzer, EdD

Cole B. Closser, MFA

Maria N. Gerasimchuk-Djordjevic, MFA

Amanda L. Smith, MFA

Jin A. Seo, MFA

Senior instructor

Iwona Zalewski-Duszek, MFA

Emeritus faculty

Bill H. Armstrong, MFA

Alan H. Brown, MFA

Carolyn L. Cardenas, MFA

John Careggio, MFA

Roman Duszek, MFA

Judith Fowler, MFA

Rodney S. Frew, MFA

Sharon R. Harper, MFA

Jerry Hatch, MFA

Thomas S. Kinsey, MEd

Maria M. Michalczyk, MFA

Sarah Perkins, MFA

David Quick, PhD

Dianne Strickland, PhD

Wade S. Thompson, MFA

Bruce West, MFA

Hugh Yorty, MFA

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Missouri State

Art and Design Courses

Art (ART) courses

ART 98 Topics in Art and Design

A variable content course consisting of lectures and/or studio projects. Cannot be used to fulfill a major requirement in the Art and Design Department. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

ART 100 2D Design

An introduction to the study of the elements of art and the principles of design relating to the formal and conceptual organization of the two-dimensional surface. The instructional process includes lecture, critique, and supervised studio practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 101 Three-Dimensional Design

An introduction to the study of the elements of art and principles of design using a variety of materials, techniques, forms, and concepts relating to the organization of three-dimensional space. Instructional process includes lecture, critique, and supervised studio practice, along with emphasizing how to handle equipment and tools properly.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 110 Introduction to New Media

An introduction to new media, this course will address formal and conceptual image-making within the digital arts spectrum. The instructional process focuses on studio practice, development of technical skill, and introduction to digital art, new media/electronic art, and time-based arts as the three main components of the course. The instructional process includes lecture, critique, and supervised studio practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 115 Drawing I

Basic elements and principles of drawing. A problematic approach to the process of seeing and drawing through an applied investigation of natural and man-made forms.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	0	6	Fall, Spring	PERF 105D - Studio Art-Introduction to Drawing.

Access the CORE 42 portal

ART 200 Art in Context

General Education Course (Focus on the Arts).

In this art appreciation course students will learn how to look at objects of art and to appreciate the value such objects hold in society. This course introduces the elements of art and the principles of design and is intended to enhance an interest, appreciation, and understanding of the visual arts in the context of their cultures. Does not count toward fulfilling any requirement for majors or minors in the Department of Art and Design.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	ARTS 100 - Art Appreciation.

Access the CORE 42 portal

ART 202 Intermediate Design

Prerequisite: ART 100 and ART 101 and ART 115.

A presentation in greater depth of major theories of art and design with emphasis on color theory and systems. Structured studio design problems applying and investigating such theories.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 210 Introduction to Digital Arts

Prerequisite: ART 100 and ART 110.

Exploration of digital art forms, focusing on the interrelationship of the digital technology on art and culture. The goal of the course is to weave technical skills into creative vision.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 212 Ceramics I

An introduction to handbuilding, wheel and firing processes, including raku. Fundamentals of ceramic materials, equipment, and preparation of clay and glazes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 215 Drawing II

Prerequisite: ART 115.

Continuation of drawing fundamentals in greater depth and exploration of additional media.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 223 Metals-Jewelry I

Introduction to non-ferrous metal fabrication processes including piercing, soldering and finishing. Fundamentals of tools, materials, and jewelry concepts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 225 Painting I

Prerequisite: ART 100 and ART 115 and ART 215.

Basic investigation of materials, techniques, and visual concepts important to the process of painting. Emphasis on understanding visual elements through work which includes study from the still-life and model.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 226 Watercolor for the Non-Art Majors

To acquaint the student with the essential characteristics of the materials used in watercolor painting and to familiarize the student with the techniques used in applying transparent pigment to various prepared surfaces. This course will not fulfill the requirements for a major or a minor in art.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 230 Computer Animation I

Prerequisite: ART 100 or ART 110.

Exploration of visual expression through the use of sequential images. Experience with a wide range of digital processes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

ART 235 Sculpture I

Prerequisite: ART 101.

Development of fundamental sculpting processes and shop safety. Experience with a range of media and techniques related to wood and metal fabrication.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 242 Printmaking I

Prerequisite: ART 100 and ART 115 and ART 215.

Beginning problems in printmaking.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 243 Relief Print

Prerequisite: ART 215.

An exploration of the relief processes through the mediums of linocut and woodcut.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

ART 253 Fibers

Prerequisite: ART 100.

Introduction to two and three-dimensional fiber techniques and structures. Emphasis will be placed on using a variety of techniques in the execution of assigned problems. Experimental use of materials will be encouraged. May be repeated to a maximum of nine hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

ART 255 Photography I

Introduction to photography as visual expression.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 271 History of Western Art I

General Education Course (Focus on Humanities).

A survey of Western art and the cultures that produced it from Prehistory through the Gothic period.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	ARTS 101 - Art History I.

Access the CORE 42 portal

ART 272 History of Western Art II

General Education Course (Focus on Humanities).

A survey of Western art and the cultures that produced it from the Gothic Period to the Second World War.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	ARTS 102 - Art History II.

Access the CORE 42 portal

ART 273 Survey of the Art of Africa, Oceania, and the Americas

General Education Course (Focus on Humanities).

A survey of the art and architecture produced by the cultures of Africa, Oceania, and the Americas.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ART 274 Survey of Asian Art

General Education Course (Focus on Humanities).

A survey of the art objects and the cultures which produced them, primarily those of India, China, and Japan.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ART 300 Fundamentals of Collaboration in Electronic Arts

Prerequisite: permission of the instructor based on passing Candidacy Review in Electronic Arts.

Exploration of aesthetic and communication issues involved in producing work in interdisciplinary electronic media.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

ART 301 Introduction to Video Game Design

Prerequisite: 30 hours; and eligible for Writing II; and permission of instructor.

An introduction to the main elements of video game design (including setting, story, goals, narrative, mechanics, and level design) and the structure and responsibilities of a game development team. The emphasis will be on game designs that could be implemented by a small team within one year. Students will design a game and create a design document. Identical with CSC 301. Cannot receive credit for both ART 301 and CSC 301.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

ART 302 Introductory Video Game Development for Artists and Animators

Prerequisite: ART 301 or CSC 301; and ART 330.

Hands-on introduction to video game development software, emphasizing the process to prepare and import 3D assets from previously learned software packages. Students may collaborate with CSC 303 students to experience industry-typical workflow between designers, artists and programmers.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

ART 310 Time-Based Digital Arts

Prerequisite: ART 210.

This course explores time-based art, focusing on production and theory with an emphasis on creative expression. Alternative means of moving image can be explored as well. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

ART 312 Ceramics II

Prerequisite: ART 101 and ART 212.

A continued investigation of the potter's wheel as a tool to create ceramic forms. Greater exploration of surface enhancement materials, and processes including basic glaze chemistry and firing operations. Evidence of expanded individuality in the understanding of advanced technique and sensitivity to form expected.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 313 Ceramics III

Prerequisite: ART 312.

Advanced studio and firing responsibilities. Must be repeated to a total of 6 hours. The first three credit hours: a continued investigation of hand-building techniques as a way to create ceramic forms and exploring further development of surface treatments. When repeated, the second three credit hours: advanced problems associated with clay and form and surface treatment. Evidence of expanded individuality in the understanding of advanced technique and sensitivity of form expected. Must be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 314 Special Topics in Ceramics

Prerequisite: ART 212.

Specialized studies in ceramics to include subjects in such areas as raku, salt firing, kiln building, glaze formulations, handbuilding, etc. Subject of course to be selected by the instructor. Variable content course. May be repeated to a maximum of 12 hours when course content changes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

ART 315 Drawing III

Prerequisite: ART 215.

Problems of greater visual and conceptual complexity. More emphasis given to development of individual qualities. May be repeated to a maximum of nine hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 316 Life Drawing

Prerequisite: ART 215.

Drawing the human figure with emphasis on anatomy, structure, and form. May be repeated to a maximum of nine hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 320 Graphic Narrative

Prerequisite: ART 115 or permission of instructor.

Intermediate study in the literature and technique of graphic narrative and practical experience in writing and illustrating comics. Identical with ENG 316. Cannot receive credit for both ART 320 and ENG 316.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ART 322 Jewelry and Metalsmithing

Prerequisite: ART 101 and ART 223.

Further exploration of metal fabrication processes. Introduction to jewelry scale casting and to silversmithing techniques.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

ART 323 Jewelry, Metals, and Enameling

Prerequisite: ART 101 or concurrent enrollment; and ART 223.

Further exploration of metal fabrication and smithing processes. Introduction to enameling and other color techniques on metal.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	0 **Lecture contact hours**	6 **Lab contact hours**	Spring **Typically offered**

ART 324 Metals and Jewelry III

Prerequisite: ART 322 and ART 323.

Advanced problems in metals. Greater exploration of materials and techniques with an emphasis on individual problem-solving. May be repeated to a maximum of 12 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 325 Painting II

Prerequisite: ART 225.

Problems of greater visual and conceptual complexity. More emphasis given to development of individual qualities. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 326 Painting with Water-Based Media

Prerequisite: ART 225.

A course which introduces and explores one or more water-based media such as watercolor, gouache, casein and acrylic. Media emphasis to be determined by the instructor. May be repeated to a maximum of nine hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 330 Computer Animation II

Prerequisite: ART 230.

Further exploration of visual expression in animation. Advanced techniques in the manipulating of forms and animation. Advanced techniques in the manipulating of forms and surfaces within the digital 3D environment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

ART 331 Computer Animation III

Prerequisite: ART 330 and permission of instructor.

Priority will be given to those students who have successfully completed the Computer Animation Emphasis Candidacy Review for the BFA in Art or the BS in Electronic Arts. Further exploration of visual expression in animation. Advanced techniques in animating within the digital 3D environment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

ART 335 Sculpture II

Prerequisite: ART 235.

Working from personal concepts, students create sculptures while building on skills gained in previous classes and learn new processes and techniques to work in a variety of materials.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 336 Figure Modeling

Prerequisite: ART 100 and ART 101 and ART 215.

Modeling the human figure with emphasis on anatomy, structure and form by exploring the usage of clay, wax or plaster. May be repeated to a maximum of nine hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

ART 342 Printmaking II

Prerequisite: ART 242.

Advanced problems in printmaking. May be repeated to a maximum of nine hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 343 Lithography

Prerequisite: ART 242.

Exploration of stone lithography as an expressive means toward creating hand-pulled prints. May be repeated to a maximum of nine hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

ART 350 Citizenship and Service-Learning in Art History

Prerequisite: 30 hours and two art history courses and concurrent registration in a 300- or 400-level Art History course designated as a service-learning offering.

This one-hour service component for an existing course incorporates community service with classroom instruction in art history to provide an integrated learning experience, addressing the practice of citizenship and promoting an awareness of and participation in public affairs. Includes 40 hours of service benefiting an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives. Graded Pass/Not Pass only. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

ART 354 Medium Format Photography

Prerequisite: ART 255.

An investigation of technical and aesthetic issues of medium format photography. Emphasis on the development of expressive photographic images.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

ART 355 Large Format Photography

Prerequisite: ART 255.

An investigation of technical and aesthetic issues of large format photography. Emphasis on the development of expressive photographic images.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

ART 356 Color Photography

Prerequisite: ART 255.

An investigation of technical and aesthetic issues of color photography. Emphasis on the development of expressive photographic images.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

ART 357 Special Topics in Photography

Prerequisite: ART 255 and permission.

Various approaches to broaden the photographic experience. Possible subjects may include, but are not limited to non-silver photographic processes, community-based documentary projects, and study abroad options. Subject of course to be selected by the instructor. Variable content course. May be repeated to a maximum of nine hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

ART 358 Studio Photography

Prerequisite: ART 359.

An investigation of technical, aesthetic, and conceptual issues of studio photography with emphasis on portrait, constructed environment, and still-life photography.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

ART 359 Digital Photography

Prerequisite: ART 255.

An investigation of technical and aesthetic issues of digital photography including the use of a digital camera, film scanning, software, and digital output. The development of expressive photographic images, an exploration of the potentials of the medium, and the evolution of a body of work are emphasized.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

ART 360 Introduction to Art Education

Prerequisite: ART 100 and ART 101 and ART 215.

Introduction to the field of art education and the role of visual arts in education; survey of issues, theories, and trends; review of content, materials, and approaches through discussion, research, studio experiences, critical writing, observation of classes, and analysis of models for teaching art in elementary and secondary schools.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Spring

ART 366 Elementary Art Education

Prerequisite: ART 360.

Overview of artistic growth of children; survey of philosophies, issues, methods, materials, resources, processes, and strategies for teaching

art and integrating it into the school curriculum; unit and lesson planning, assessment, and evaluation. Lecture, discussion, studio, and classroom observations. Credited only for BSEd.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Fall

ART 377 History of Graphic and Applied Design

Prerequisite: ART 271 or ART 272 or ART 274.

An historical and critical examination of design from its beginnings to the present with emphasis on communication design in the industrial and post-industrial periods. Will not count as Art History elective for the BFA in Art.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ART 378 Women and Art

Prerequisite: ART 271 or ART 272.

The course examines women's roles and contributions in the history of art and culture. May be counted toward the Gender Studies minor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 382 Survey of Islamic Art

Prerequisite: ART 271 or ART 273 or ART 274.

A survey of the art produced in the lands under the influence of the Islamic religion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 385 Art of the Americas

Prerequisite: ART 273.

A survey of the art and architecture of North America, Mesoamerica, Central America, and South America and the cultures that produced it.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 386 Art of Africa

Prerequisite: ART 273.

A survey of the art and architecture of Africa and the cultures that produced it.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 387 History of Photography

Prerequisite: ART 272.

The development and history of photography as an artistic medium.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 388 The Museum: History and Perspectives

Prerequisite: ENG 110 and permission of instructor.

This course offers a broad introduction to the museum as a cultural site and museum studies as a discipline with focus on theoretical issues. Identical with MST 388. Cannot receive credit for both ART 388 and MST 388.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 390 Art History Teaching Assistant

Prerequisite: permission of instructor.

Under the direct guidance of the faculty member, the student will assist in teaching, supervising, and/or grading course materials. May be repeated to a maximum of three hours. Graded Pass/Not Pass only. Does not count toward the BA or BSEd in Art and Design or BFA in Art or BFA in Design.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0-1			Upon demand

ART 399 Individual Instruction

Prerequisite: senior or postbaccalaureate standing; 12 sequential hours in same studio area and permission of instructor.

Independent work on special projects approved by studio advisor. Repeatable to a maximum of six hours in any studio area.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 401 Teaching of Art

Prerequisite: ART 366; and EDC 350 or concurrent enrollment; and admitted to teacher education program.

Artistic and aesthetic growth of adolescents; survey of philosophies, issues, methods, materials, resources, processes, and strategies for teaching art in secondary schools; observation; unit and lesson planning; microteaching. Credited only on BSEd (Secondary). A grade of "C" or better is required in this course in order to take ART 490 or ART 491. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Spring

ART 407 Art Internship

Prerequisite: permission of instructor.

Student will complete actual job assignments while working for outside organizations under the supervision of an art faculty member. May be repeated to a maximum of six hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ART 410 Seminar in Digital Arts

Prerequisite: ART 310.

Advanced research in digital arts, with emphasis on developing personal vision. May be repeated to a maximum of nine hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 425 Painting III

Prerequisite: ART 325.

An advanced-level course utilizing a combination of structured and self-directed approaches. Students will continue to develop formal skills and will be encouraged to explore issues of content and visual aesthetics, while developing an individual point-of-view. May be repeated to a maximum of nine hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 430 Computer Animation IV

Prerequisite: ART 331.

Individual problems in animation and advanced techniques. Emphasis will be placed on the development of a personal point of view.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

ART 431 Professional Practices in Computer Animation

Prerequisite: ART 430.

Lecture, discussion and assignments for students seeking careers in computer animation. Presentation skills will be emphasized. Students will be required to write and perform research, as well as continue to develop their portfolio.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

ART 432 Computer Animation V

Prerequisite: ART 431.

Individual portfolio development in animation. Emphasis will be placed on the development of a personal point of view. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 435 Sculpture III

Prerequisite: ART 335.

Students develop personal concepts and methodologies and learn advanced techniques and processes to produce sculpture. May be repeated to a maximum of 12 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 454 Digital Photography II

Prerequisite: ART 359.

A continued investigation of technical, aesthetic, and conceptual issues of digital photography including advanced approaches to image

creation deemed relevant to current practices. The development of expressive photographic images, an exploration of the potentials of the medium, book design, and the evolution of a body of work are emphasized. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

ART 455 Advanced Photography Seminar

Prerequisite: 12 hours in emphasis and permission of the instructor.

Pursuit of advanced photographic projects. Emphasis on development of personal vision. A study of historical and contemporary critical issues in photography. Must be taken at least once with ART 499. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 460 Critical Studies in Art Education

Prerequisite: ART 366 and ART 401.

Review of theories and issues concerning the study of aesthetics, art history, and art criticism in art education; survey of methods; observation of various models; generation of materials, resources, and strategies for implementation; teaching experiences utilizing strategies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Fall

ART 466 Art Education Practicum

Prerequisite: 30 hours of Art and ART 366 and ART 401.

Observation and classroom teaching experiences; writing unit and lesson plans; classroom motivation, management, and discipline; evaluation and exhibition of student art work; ordering supplies and equipment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Fall

ART 469 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469

on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

ART 472 Medieval Art

Prerequisite: ART 271.

Painting, sculpture, and architecture of Europe from the fourth century through the fourteenth century. The course emphasizes the development of a distinctly European art and culture. May be taught concurrently with ART 672. Cannot receive credit for both ART 472 and ART 672.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 475 Art of the Renaissance

Prerequisite: ART 272.

A survey of painting, sculpture, and architecture in Europe from 1300-1575. May be taught concurrently with ART 675. Cannot receive credit for both ART 475 and ART 675.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 478 Baroque Art

Prerequisite: ART 272.

The major figures and developments in art and architecture from Mannerism through the Rococo in Italy and Northern Europe. May be taught concurrently with ART 678. Cannot receive credit for both ART 478 and ART 678.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 480 Modern Art

Prerequisite: ART 272.

A study of the objects, artists, ideas, and movements which are a part of the modern and late modern tradition from the mid 19th Century through the period following the Second World War. May be taught concurrently with ART 680. Cannot receive credit for both ART 480 and ART 680.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ART 483 Modern Architecture and Urban Forms

A survey of the historical, social, political, economic and technological forces that have shaped the forms and styles of architecture and cities from the time of the Industrial Revolution to the present.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 484 Contemporary Art

Prerequisite: ART 272.

This course will emphasize the issues raised during the transition to "Post-Modern" culture in the last decades of the 20th Century and the beginning years of the 21st Century. The approach and the assignments will employ theoretical and critical as well as historical thinking. May be taught concurrently with ART 684. Cannot receive credit for both ART 484 and ART 684.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 485 Art of Mesoamerica

Prerequisite: ART 273.

The art and architecture of Mesoamerica and the cultures that produced it. May be taught concurrently with ART 685. Cannot receive credit for both ART 485 and ART 685.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 488 Basic Conservation of Art and Artifacts

Prerequisite: relevant Art History survey course (ART 271, 272, 273 or 274) and permission of instructor.

This course combines advanced art historical study and research of art and artifacts with a hands-on introduction to basic conservation techniques. Identical with MST 488. Cannot receive credit for both ART 488 and MST 488. May be taught concurrently with ART 688. Cannot receive credit for both ART 488 and ART 688.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

ART 490 Supervised Teaching

Prerequisite: completion of all method courses in Art Education; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching.

Student observes then teaches art classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Student must participate in the program exit exhibition, "Students of Students Show". Course will not count toward the major GPA. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
12			Fall, Spring

ART 492 Art and Theory

Prerequisite: 6 hours of art history at the 300- or 400- level; and permission of instructor.

This course will introduce students to a range of critical art theories from the late 19th Century through the 21st Century, addressing what has been thought and written about art from various perspectives. Public Affairs Capstone Experience course. May be taught concurrently with ART 692. Cannot receive credit for both ART 492 and ART 692.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 494 Independent Study in Art History

Prerequisite: appropriate survey course (ART 271 or ART 272 or ART 273 or ART 274); and permission of instructor (granted only in special circumstances).

Individual projects and special problems in Art History. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 495 Internship in Art History

Prerequisite: permission of instructor.

Students will complete various duties as assigned with a variety of art history-related organizations. These areas include local museums, galleries, and/or visual resource-media collections. Variable content course. May be repeated to a maximum of six hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

ART 496 Selected Topics in Art History

Prerequisite: permission of instructor.

The specific topics will change from semester to semester depending upon the interest of students and professors, e.g. German Expressionism, History of Photography, The School of Paris, Cubism and its Progeny, Pre-Columbian Art in North America. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 497 Selected Topics in Art and Design

Prerequisite: ART 100 and ART 101 and permission of instructor.

Advanced problems involving the application of art and design fundamentals in either two or three dimensional projects will be explored. May be repeated to a total of 9 hours when course content changes. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ART 498 Senior Project in Electronic Arts

Prerequisite: ART 300 and permission of instructor.

Admission to this course is contingent upon the successful completion of the Electronics Arts junior portfolio review and the achievement of a "C" or better grade in all required option courses completed at the time of the junior portfolio review. Under advisement from faculty, EA students will form production teams consisting of computer animation, video, interactive new media and audio studies students. Each team will produce a broadcast-quality project over two semesters. The first semester will be spent in pre-production preparations for the approved senior project. The second semester will involve production and post-production of the approved project. This course must be repeated in sequence for a total of six hours across a single academic year. Identical with MED 498. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

ART 499 Senior Exhibition

Prerequisite: senior standing; and completion of BFA in Art Candidacy Review; and 3.00 GPA in the art studio BFA emphasis area; and permission of studio advisor.

Must be taken concurrently with upper division course in area of emphasis. A presentation of work that reflects the technical, aesthetic, and conceptual issues from the area in which the majority of art course work has been taken. Coursework includes the development of professional artistic practices including resume construction, artist's statements, preparation and installation of an exhibition, development of exhibition proposals, and any additional content deemed relevant to prepare the student for a career in the visual arts. This work must demonstrate the attainment of a level of conceptual and technical maturity judged by a committee of the art studio faculty to meet qualitative standards required for the granting of the BFA degree in Art. Cannot be taken Pass/Not Pass. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

ART 590 Art Studio Workshops

Focused study in specific studio area, emphasis on upgrading skills and extending understanding of aesthetic and visual qualities. Variable content course. May be repeated to a maximum of six hours. May be taught concurrently with ART 690. Cannot receive credit for both ART 690 and ART 590.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-3			Fall, Spring

ART 598 Seminar in Art Education

In-depth study of specific topics and/or interaction with leaders in the fields of aesthetics, art criticism, art history, art making, and art education. Variable content course. May be repeated to a maximum of six hours. May be taught concurrently with ART 698. Cannot receive credit for both ART 698 and ART 598.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Summer

ART 672 Medieval Art

Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.

Painting, sculpture, and architecture of Europe from the fourth century through the fourteenth century. The course emphasizes the development of a distinctly European art and culture. May be taught concurrently with ART 472. Cannot receive credit for both ART 672 and ART 472.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 675 Art of the Renaissance

Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.

A survey of painting, sculpture, and architecture in Europe from 1300-1575. May be taught concurrently with ART 475. Cannot receive credit for both ART 675 and ART 475.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 678 Baroque Art

Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.

The major figures and developments in art and architecture from Mannerism through the Rococo in Italy and Northern Europe. May be taught concurrently with ART 478. Cannot receive credit for both ART 678 and ART 478.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 680 Modern Art

Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.

A study of the objects, artists, ideas, and movements which are a part of the modern and late modern tradition from the mid 19th Century through the period following the Second World War. May be taught concurrently with ART 480. Cannot receive credit for both ART 680 and ART 480.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ART 684 Contemporary Art

Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.

This course will emphasize the issues raised during the transition to "Post-Modern" culture in the last decades of the 20th Century and the beginning years of the 21st Century. The approach and the assignments will employ theoretical and critical as well as historical thinking. May be taught concurrently with ART 484. Cannot receive credit for both ART 684 and ART 484.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 685 Art of Mesoamerica

Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.

The art and architecture of Mesoamerica and the cultures that produced it. May be taught concurrently with ART 685. Cannot receive credit for both ART 685 and ART 485.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 688 Basic Conservation of Art and Artifacts

Prerequisite: 3 hours of art history at the undergraduate upper level or graduate level and permission of instructor.

This course combines advanced art historical study and research of art and artifacts with a hands-on introduction to basic conservation techniques. May be taught concurrently with ART 488 and/or MST 488. Cannot receive credit for both ART 688 and ART 488 and/or MST 488.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	2	2	Upon demand

ART 690 Art Studio Workshops for Art Educators

Focused study in specific studio area, emphasis on upgrading skills and extending understanding of aesthetic and visual qualities. Variable content course. May be repeated to a maximum of six hours. May be taught concurrently with ART 590. Cannot receive credit for both ART 590 and ART 690.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-3			Fall, Spring

ART 692 Art and Theory

Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.

This course will introduce students to a range of critical art theories from the late 19th Century through the 21st Century, addressing what has been thought and written about art from various perspectives. May be taught concurrently with ART 492. Cannot receive credit for both ART 692 and ART 492.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ART 698 Seminar in Art Education

In-depth study of specific topics and/or interaction with leaders in the fields of aesthetics, art criticism, art history, art making, and art education. Variable content course. May be repeated to a maximum of six hours. May be taught concurrently with ART 598. Cannot receive credit for both ART 598 and ART 698.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Summer

ART 699 Graduate Studio

Prerequisite: permission of instructor.

Individual graduate studio research in visual art/design. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

ART 700 Historical Perspectives in Art Education

A history of ideas in art education and the individuals who have made significant contributions to the field; overview of beliefs, values, and practices and the role of art and art education in society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ART 701 Directed Graduate Studio I

Prerequisite: admission to the MFA in Visual Studies program and permission of instructor.

Graduate studio research in visual art/design in preparation for thesis development. Course content to be determined by the student under the supervision of a graduate faculty member.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 702 Directed Graduate Studio II

Prerequisite: ART 701 and permission of instructor.

Continuation of ART 701. Graduate studio research in visual art/design. Course content to be determined by student under the supervision of a graduate faculty member.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 703 Directed Graduate Studio III

Prerequisite: ART 702 and permission of instructor.

Continuation of ART 702. Graduate studio research in visual art/design. Course content to be determined by student under the supervision of a graduate faculty member.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 704 Directed Graduate Studio IV

Prerequisite: ART 703 and permission of instructor.

Continuation of ART 703. Graduate studio research in visual art/design. Course content to be determined by student under the supervision of a graduate faculty member.

of a graduate faculty member.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 710 Professional Practices

Prerequisite: permission of instructor.

A comprehensive study in theoretical and practical aspects of succeeding as a practicing artist or designer both inside and outside the academic setting. Students will survey the procedure and common practices expected of the artist or designer as a productive member of the professional community and educator in the field. This course should be taken before the Thesis course at the end of the student's graduate career.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ART 760 Contemporary Issues and Current Trends in Art Education

Critical examination of current issues and theories concerning the teaching of art; analysis of relationships between historical purposes and current practice; interpretation and evaluation of recent research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ART 783 Practicum in Art Education and Educational Workshops

Prerequisite: ART 360 and ART 366 and 30 hours of studio art.

Observation and classroom teaching experiences; writing unit and lesson plans; classroom motivation, management and discipline; educational seminar workshops; and exhibition of K-12 student artworks.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Fall

ART 785 Independent Study

Prerequisite: portfolio review of work in selected studio area.

Independent work in one studio area, directed and critiqued by studio advisor. May be repeated to a maximum of nine hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

ART 794 Independent Study in Art History

Prerequisite: permission of instructor (granted only in special circumstances).

Individual projects and special problems in Art History. May be repeated to a maximum of nine hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ART 795 Graduate Internship in Art History

Prerequisite: permission of instructor.

Student will complete various duties as assigned with art history-related organizations. These include local museums, galleries, and/or various resource-media collections. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ART 797 Teaching Practicum

Prerequisite: permission of instructor.

This course will address topics unique to university art and design faculty and professional practices in various fields teaching visual studies. Successful completion of this course is needed to participate in Missouri State University's Teaching Assistant Program or to become a Per Course (or adjunct) instructor while enrolled in the MFA program. Students will survey topics pertaining to effective university level instruction through the exploration of course development, organization and public communication skills. Topics such as how and why students learn, where to find teaching resources and how to refine a learning environment will be discussed through a variety of formats and activities in the class. A mentor/mentee program will also be a component of this course to allow students to shadow experienced professors and learn through observation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall

ART 798 Graduate Studio Seminar

Prerequisite: permission of instructor.

Seminar exploration of current formal and conceptual problems in visual art/design through discussion and critique of study research. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

ART 799 Graduate Studio Thesis

Prerequisite: permission of instructor.

Concentrated activity in the major field of study in preparation for the thesis exhibition/presentation. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

Design (DES) courses

DES 202 Graphic Design Systems

Prerequisite: ART 101 and ART 110 and ART 215; Missouri State GPA of at least 2.50; and a major GPA of at least 2.50.

Abstract and theoretical applications of design systems including grid information, various symmetries, and printed page formats.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

DES 210 Introduction to Computer Graphic Design

Prerequisite: ART 100 and ART 101 and ART 110 and ART 215; and Missouri State GPA of at least 2.50; and a GPA of 2.50 or higher in the major.

An introduction to methods of image creation and visual communication via available computer graphic software packages. Emphasis will be placed on the use of the computer as a production tool for graphic designers.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

DES 250 Materials and Techniques for Illustration

Prerequisite: ART 101 and ART 110 and ART 215; and Missouri State GPA of at least 2.50 and a GPA of 3.00 or higher in the major; and admitted to BFA Design.

A study of methods and materials used in traditional illustration.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

DES 300 Graphics for the Non-Design Major

Prerequisite: ART 110 or COM 209.

An investigation of how basic design principles relate to graphic communication as well as the study of processes used in preparing designs for reproduction. The student will apply this knowledge in a number of assigned design problems. Course will not count toward the BFA degree in Design.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	0	6	Fall, Spring

DES 301 Graphic Production

Prerequisite: C or better in both DES 202 and DES 210 and concurrent enrollment in either ART 202 or ART 255.

The study of materials and mechanical processes required for single, multiple, and four-color print production.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

DES 303 Basic Typography

Prerequisite: C or better in both DES 202 and DES 210 and concurrent enrollment in either ART 202 or ART 255.

Introduction to basic typographic forms and their use in visual communication. The application of design principles to the setting of type. Visual experiments with typographic elements.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

DES 330 Communication Design/Methodology

Prerequisite: C or better in both DES 301 and DES 303 and admitted to BFA Design degree program.

Investigation of the design process and its methodology through different forms of visual communication. Development of students' ability to present visually different ideas or information.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

DES 331 Advanced Typography

Prerequisite: C or better in both DES 301 and DES 303 and admitted to BFA Design degree program.

Application of typography in different fields of visual communication and publication design. Exploration of the relationship between meaning, content, and typographic layout.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

DES 332 Image Design

Prerequisite: either ART 315 or ART 225 (or concurrent enrollment in ART 315 or ART 225) and C or better in both DES 330 and DES 331.

Production of graphic images in relation to written information and/or specific subjects, ideas or messages.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

DES 340 Web Design for Design Majors

Prerequisite: DES 330.

Basic knowledge of web design using HTML, including information architecture and image optimization for the web.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

DES 345 Basic New Media Design

Prerequisite: DES 210 or ART 210.

Course will focus on basic knowledge of new media design and production. The course covers interactive interface design.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

DES 350 Illustration

Prerequisite: ART 315 (or concurrent enrollment in ART 315) and C or better in DES 250 and admitted to BFA Design degree program.

The study of various approaches and techniques of illustration for print and publication, including an introduction to digital illustration.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

DES 430 Advanced Graphics

Prerequisite: ART 377; and either ART 225 or ART 315 (or concurrent enrollment in ART 225 or ART 315); and C or better in DES 332.

The completion of advanced projects in graphic communication, including corporate and product identity, public service and editorial design.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	0 **Lecture contact hours**	6 **Lab contact hours**	Fall **Typically offered**

DES 440 Advanced Web Design for Design Majors

Prerequisite: DES 340.

Advanced skills in web design particularly focusing on interactive flash websites with multimedia content.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

DES 452 Intermediate Illustration

Prerequisite: ART 377 and ART 225 (or concurrent enrollment in ART 225) and C or better in DES 350.

The study of illustration as a communicative tool. Students will be assigned problems using various media.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

DES 490 Professional Design Practicum

Prerequisite: C or better in either DES 430 or DES 452.

A design workshop for the development and production of materials for portfolio. Preparation of a Final Project containing design work for a non-profit organization or a selected design issue, a written thesis related to it and public presentation of this project. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

DES 497 Special Topics in Design

Prerequisite: Missouri State GPA of at least 2.50 and a GPA of 3.00 or higher in the major and admitted to Art or Design degree program and permission of the instructor.

The specific topics will change from term to term depending upon the interest of students and professors, e.g. Scientific Illustration, Comic Book Illustration, Art Direction, Book Arts, History of the Book, Letterpress Printing. May be repeated to a total of 9 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

DES 499 Design Internship

Prerequisite: Missouri State cumulative GPA of at least 2.50 and a GPA of 3.00 or higher in the major and admitted to Design degree program and permission of Design

Program Coordinator.

Student will complete actual job assignments for outside organizations under the supervision of a design faculty member. May be repeated to a total of 6 hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

Museum Studies (MST) courses

MST 350 Citizenship and Service-Learning in Museum Studies

Prerequisite: 30 hours and two MST courses or museum studies track area courses and concurrent registration in a 300- or 400-level MST course designated as a service-learning offering.

This one-hour service component for an existing course incorporates community service with classroom instruction in an area relevant to museum studies to provide an integrated learning experience, addressing the practice of citizenship and promoting an awareness of and participation in public affairs. Includes 40 hours of service benefiting an external community organization, agency, public service provider, or event benefiting the community. Approved placements and/or service assignments will vary depending on the course topic and learning objectives. Graded Pass/Not Pass only. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

MST 388 The Museum: History and Perspectives

Prerequisite: ENG 110 and permission of instructor.

This course offers a broad introduction to the museum as a cultural site and museum studies as a discipline with focus on theoretical issues. Identical with ART 388. Cannot receive credit for both MST 388 and ART 388.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MST 488 Basic Conservation of Art and Artifacts

Prerequisite: ART 273.

This course combines advanced art historical study and research of art and artifacts with a hands-on introduction to basic conservation techniques. Identical with ART 488. Cannot receive credit for both MST 488 and ART 488. May be taught concurrently with ART 688. Cannot receive credit for both MST 488 and ART 688.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

MST 495 Museum Studies Internship

Prerequisite: permission of instructor.

Students will complete various duties as assigned with one of a variety of museum studies-related organizations. These organizations may include, but are not limited to: museums, galleries, interpretive centers, archives, and visual resource-media collections. Variable content course. May be repeated to a total of six hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

MST 501 Natural History Museum Techniques

Techniques in the development of natural history museum displays including making models, design of displays, writing educational text, and other techniques. Course will be taught off-site at the Bull Shoals Field Station and Chase Studio. Identical with BIO 501. Cannot receive credit for both MST 501 and BIO 501.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Art

Major(s)

Art

Bachelor of Fine Arts

Admission requirements

In addition to completing Foundations courses (ART 100, 101, 110, 115). Note: ART 215 is required for some areas of emphasis. Students must pass the Candidacy Review for BFA in Art**.** A selection of work from Foundation and Studio Core areas is to be submitted to a committee of the art studio faculty for review during the first semester of the student's junior year. Students must have a 3.00 or higher GPA in the major and a Missouri State cumulative GPA of at least 2.50 to be admitted to candidacy. Student records will be encumbered at seventy-five hours if the student has not yet been admitted to a degree program. It is the student's responsibility to apply for the review which is held during the fall and spring semesters. ART 499, Senior Exhibition, cannot be taken unless the Candidacy Review has been passed. Transfer students with more than sixty hours completed must apply for candidacy during their first semester.

Program requirements

A. General Education Program and Requirements
B. Major Requirements (76 hours)
1. Foundations (12 hours): ART 100(3), 101(3), 110(3), 115(3)
2. Studio Core (15 hours): Complete five courses with at least one from each of the three groups below:
    a. ART 202(3), 215(3), 225(3), 242(3)
    b. ART 212(3), 223(3), 235(3)
    c. ART 210(3), 230(3), 255(3)
3. Art History (15 hours): ART 271(3), 272(3); ART 273(3) or 274(3); and six hours art history electives chosen with advisement.
4. Complete one of the following options (Studio Emphasis area) (15-21 hours 300 level or higher):
    a. **3D Studies:** Required: ART 212(3), 223(3), 235(3). Electives: ART 312(3), 313(6), 314(3-12), 322(3), 323(3), 324(3-12), 335(3), 336(3-9), 399(3-6), 435(3-12)
    b. **Computer Animation:** Required: ART 330(3), 331(3), 430(3), 431(3). Electives: ART 432(3-6), 399(3-6)
    c. **Digital Arts:** ART 310(3-6), 399(3-6), 410(3-9). Electives: ART 330(3), 331(3), 430(3), 431(3) and DES 345(3)
    d. **Drawing:** Required: ART 315(3-9), 316(3-9). Electives: ART 399(3-6)
    e. **Painting:** Required: ART 325(3-6). Electives: ART 326(3-9), 399(3-6), 425(3-9)
    f. **Photography:** Electives: ART 354(3), 355(3), 356(3), 357(3), 358(3), 359(3), 399(3), 454(3), 455(3-6)
    g. **Printmaking:** Required: ART 342(3-9). Electives: ART 343(3-9), 399(3-6)
5. Senior Exhibition (4 hours): ART 499(4) A presentation of work that reflects the technical, aesthetic, and conceptual issues from the area in which the majority of art course work has been taken. Coursework includes the development of professional artistic practices including resume construction, artist's statements, preparation and installation of an exhibition, development of exhibition proposals, and any additional content deemed relevant to prepare the student for a career in the visual arts. This work must demonstrate the attainment of a level of conceptual and technical maturity judged by a committee of the art studio faculty to meet qualitative standards required for the granting of the BFA degree in Art.
6. Public Affairs Capstone Experience will be fulfilled by completion of ART 499(4).
7. Art and Design Electives (9-15 hours): additional courses from across the Art and Design course offerings in studio, design, art history, art education, or aesthetics (PHI 320(3)) outside of the area of emphasis, nine hours of which must be at the 300 level or

higher, chosen with approval of advisor, bringing the total number of hours in Art and Design to no fewer than 76. Students with an emphasis in computer animation may use MED 365(3) towards fulfillment of this requirement. ART 200 cannot be used to satisfy this requirement.

C. General Baccalaureate Degree Requirements

Minor(s)

Art

Bachelor of Arts

A. ART 100(3), 101(3), 115(3)
B. Additional 9 hours art and/or design electives should be chosen with advisement to bring the total number of hours in Art and Design to no fewer than 18. ART 200 cannot be used to satisfy this requirement.

Art

Bachelor of Science

A. ART 100(3), 101(3), 115(3)
B. Additional 9 hours art and/or design electives should be chosen with advisement to bring the total number of hours in Art and Design to no fewer than 18. ART 200 cannot be used to satisfy this requirement.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Art and Design

Major(s)

Art and Design (Non-Comprehensive)

Bachelor of Arts

Program requirements

A. General Education Program and Requirements
B. Major Requirements (42 hours)
   1. Foundations (12 hours): ART 100(3), 101(3), 110(3), 115(3)
   2. Art History (9 hours): ART 271(3) or 272(3); ART 273(3) or 274(3); and 3 hours of art history electives, chosen with approval of advisor.
   3. Studio Emphasis: a minimum of 9 hours, chosen with approval of advisor, in one of the following studio areas: ceramics, digital arts, drawing, metals/jewelry, painting, photography, printmaking, or sculpture.
   4. Public Affairs Capstone Experience Requirement: ART 492(3).
   5. Art and Design Electives: additional courses in art history, design, or studio, chosen with approval of advisor, bringing the total number of hours in Art and Design to no fewer than 42. ART 200 cannot be used to satisfy this requirement.
C. Minor Required (or second major)
D. Specific Bachelor of Arts Degree Requirements
E. General Baccalaureate Degree Requirements

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Missouri State

Office of the Registrar
Undergraduate Catalog

Art and Design Education

Major(s)

Art and Design (Comprehensive)

Bachelor of Science in Education (Certifiable grades K-12)

Admission requirements

In addition to completing Foundations courses (ART 100, 101, 110, 115) students must have a combined GPA (Missouri State and transfer combined) of at least 2.50, GPA in Art and Design of 2.50, "C" or higher in ART 360. Application for admission to the degree program may be made after completion of 30 hours and must be made *before* 75 hours have been completed.

Program requirements

A. General Education Program and Requirements
   Specific General Education Requirement: ART 271(3) or 272(3) or 273(3) or 274(3)
B. Major Requirements (66 hours)
   1. Foundations (12 hours): ART 100(3), 101(3), 110(3), 115(3)
   2. Art History (9 hours): ART 271(3) or 272(3); ART 273(3) or 274(3); and ART 480(3) or 484(3)
   3. Studio Art (30 hours):
      a. ART 212(3), 215(3), 225(3), 235(3), 242(3) or 243(3), 253(3), 255(3)
      b. 3 courses from: ART 210(3), 223(3), 312(3), 315(3), 322(3), 323(3), 325(3), 335(3), 342(3), DES 300(3), PHI 320(3); or two courses plus ART 354(3) or 355(3) or 356(3)
   4. Art Education (15 hours): ART 360(3), 366(3), 401(3), 460(3), 466(3)
   5. Public Affairs Capstone Experience will be fulfilled by completion of ART 490(12).
C. Professional Education Courses. Note: A grade of “C” or better in each course is required for state certification.
   1. ART 360(3), 366(3), 401(3), 466(3), 490(12)
   2. Professional Education Required Core and Competencies - see Teacher Education Program
D. General Baccalaureate Degree Requirements
E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.
   1. at least a 2.75 GPA on all course work attempted at all colleges attended
   2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
   3. at least a 3.00 GPA in any additional certificate subject area
   4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

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Missouri State

Office of the Registrar
Undergraduate Catalog

Art History

Major(s)

Art History (Non-Comprehensive)

Bachelor of Arts

A. General Education Program and Requirements
B. Major Requirements (39 hours)
    1. Core Courses (18 hours): ART 271(3), 272(3), 273(3), 274(3), 492(3); and any 100 or 200 level studio course (3)
    2. Public Affairs Capstone Experience will be fulfilled by completion of ART 492(3).
    3. In consultation with an advisor, complete 21 hours in at least five of the following areas of art history:
        a. Area I: ART 382(3), 472(3)
        b. Area II: ART 475(3), 478(3)
        c. Area III: ART 480(3)
        d. Area IV: ART 377(3), 387(3), 483(3)
        e. Area V: ART 385(3), 485(3)
        f. Area VI: ART 386(3)
        g. Area VII: ART 388(3)*, 488(3)*
        h. Area VIII: ART 378(3), 484(3)

        With advisor's approval, ART 496(3), Special Topics in Art History, may substitute for a course in one of the areas.

        **ART/MST 388 and ART/MST 488 may not be double-counted between an Art History major and a Museum Studies minor; in the event that a student is both an Art History major and a Museum Studies minor, these two courses will count only for the Museum Studies minor.*
C. Minor Required (or second major)
D. Specific Bachelor of Arts Degree Requirements
E. General Baccalaureate Degree Requirements

Minor(s)

Art History

Bachelor of Arts

Bachelor of Fine Arts

A. ART 271(3) or 272(3); and ART 273(3) or 274(3)
B. Additional 12 hours art history electives should be chosen with advisement by an art history faculty member to bring the total number of hours in art history to no fewer than 18. Note: Students may not use both ART 480(3) and ART 484(3) to fulfill the 12 hours of electives. ART 200 cannot be used to satisfy this requirement.

Art History

Bachelor of Science

A. ART 271(3) or 272(3); and ART 273(3) or 274(3)
B. Additional 12 hours art history electives should be chosen with advisement by an art history faculty member to bring the total number of hours in Art History to no fewer than 18. Students may not use both ART 480(3) and ART 484(3) to fulfill the 12 hours of electives. ART 200 cannot be used to satisfy this requirement.

Art History

Bachelor of Science in Education (Non-Certifiable)

A. ART 271(3), 272(3), 273(3), 274(3)
B. Additional 9 hours art history electives should be chosen with advisement by an art history faculty member to bring the total number of hours in Art History to no fewer than 21. Students may not use both ART 480(3) and ART 484(3) to fulfill the 9 hours of electives. ART 200 cannot be used to satisfy this requirement.

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Missouri State

Design

Major(s)

Design

Bachelor of Fine Arts

Admission requirements

In addition to completing Foundations courses (ART 100, 101, 110, 115) students must have a GPA of 2.50 or higher in the major and a Missouri State cumulative GPA of at least 2.50 to pass the Advisory Review administered by the Design Program Coordinator in the spring of the freshman year for provisional admission to the program.

In the spring of the sophomore year students must apply for Candidacy Review**.** A committee of Design faculty will administer this review. A student must submit a portfolio consisting of 12-20 pieces selected from Foundations and Design Core courses including: ART 115 or 215, ART 202, DES 202, 210, 301, 303 and may include additional work chosen with faculty advisement. Students must choose an option at this time: Graphic Design, Illustration**,** or Graphic Design and Illustration. This is a competitive program—if students are not accepted into the program they may consider repeating courses and/or doing additional work and reapplying for admission the following spring, but acceptance is not guaranteed. Students must have a GPA of 3.00 or higher in the major and an Missouri State cumulative GPA of at least 2.50 to be admitted to candidacy.

Transfer students choosing the BFA in Design must apply for admission to the program. The application with portfolio and transcript must be made to the Design Program Coordinator in the spring semester for admission to the program in the fall. (Students are not encouraged to apply for spring admission.) The Design Program Coordinator in consultation with the Design faculty will review the application with portfolio and transcript. Students must receive permission from the Design Coordinator before enrolling in any Design course. To be admitted to the Design Program transfer students must have a GPA of 2.50 or higher in the major if transferring 12 hours or less in the major, or a GPA of 3.00 or higher in the major if transferring more than 12 hours in the major. All transfer students must have a combined (Missouri State and transfer) GPA of at least 2.50 to be admitted to the program.

Design internships

DES 499, Design Internship, may be arranged through the Office of Cooperative Education, and may be used to fulfill art or design electives by design majors. Permission to take an internship for credit must be obtained before the work is done. For more information on how to enroll in DES 499 contact the Design Program Coordinator.

Program requirements

A. General Education Program and Requirements
B. Major Requirements (78-93 hours)
   1. Foundations (12 hours): ART 100(3), 101(3), 110(3), 115(3)
   2. Design Core (18 hours): ART 202(3), 215(3); DES 202(3), 210(3), 301(3), 303(3)
   3. Art History (15 hours): ART 271(3), 272(3); ART 273(3) or 274(3); ART 377(3); and a 300- or 400- level Art History course(3), chosen with advisement.
   4. Studio Art (12 hours): ART 225(3), 255(3), 315(3), ART 235(3) or 242(3)
   5. Professional Design Practicum (3 hours): DES 490(3)
   6. Public Affairs Capstone Experience will be fulfilled by completion of DES 490(3).

7. Complete one of the options below

a. **Graphic Design** (18 hours):
   1. DES 330(3), 331(3), 332(3), 340(3), 430(3)
   2. 3 hours of Design electives from DES 345(3), 440(3), 497(3), 499(3)

b. **Illustration** (18 hours):
   1. DES 250(3), 350(3), 452(3)
   2. 6 hours of DES 497(3) Special Topics in Illustration. May not repeat the same topic.
   3. 3 hours of electives chosen from: Photography-ART 354(3), 355(3), 356(3), 357(3), 358(3); Printmaking-ART 242(3)*, 243(3), 342(3), 343(3); Drawing and Painting-ART 315(3)*, 316(3), 325(3), Digital Imaging-ART 310(3), 410(3); Computer Animation-ART 230(3); Design-DES 345(3), 497(3)-may not be same topic; DES 499(3)

   ** ART 315 and ART 242 cannot be counted both here and toward the Studio Art requirement, however, ART 315 may be repeated.*

c. **Graphic Design and Illustration** (33 hours):
   1. 15 hours in Graphic Design: DES 330(3), 331(3), 332(3), 340(3), 430(3)
   2. 9 hours in illustration: DES 250(3), 350(3), 452(3)
   3. 6 hours of DES 497(3) Special Topics in Illustration. May not repeat the same topic.
   4. 3 hours of design electives: DES 345(3), 440(3), 497(3) Special Topics in Illustration. May not repeat the same topic, DES 499(3)

C. General Baccalaureate Degree Requirements

Minor(s)

Design

Bachelor of Science

A. ART 100(3), 101(3), 115(3), 202(3); DES 300(3)
B. ART 110(3) and DES 210(3)

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Undergraduate Catalog

Electronic Arts

Major(s)

Electronic Arts (Non-Comprehensive)

Bachelor of Science

This program is offered in conjunction with the Department of Media, Journalism & Film.

Admission requirements

Complete the following 9 hours with a GPA of 3.00 or higher before making a portfolio application to the program:

1. Foundation Courses (6 hours): Complete two courses from: ART 110(3), MED 365(3), MUS 216(3). Students must complete the foundation course required in their option area before submitting their portfolio application to the program. Required foundation course for each option.
   a. Audio Studies: MUS 216(3)
   b. Computer Animation Studies: ART 110(3)
   c. Interactive New Media Studies: ART 110(3)
   d. Video Studies: MED 365(3)
2. Pre-admission Core Course (3 hours): Complete one course from ART 210(3), ART 230(3), or MED 361(3). Note: Computer Animation students must complete ART 230.

Note: All Electronic Media majors must complete all three foundation courses to satisfy graduation requirements.

Initial portfolio review

Portfolio must include a minimum of two and a maximum of three examples of audio, video, interactive new media, and/or computer animation work, with at least one example coming from the preadmission foundation course in the option area to which the student is applying. Students seeking admission to the Electronic Arts program in the area of Computer Animation Studies must include at least one work from ART 230 or ART 330. Specific guidelines are required for portfolios. See advisor or the Electronic Arts Coordinator for details.

Program requirements

A. General Education Program and Requirements
B. Major Requirements (39 hours)
   1. Core Courses (21 hours):
      a. ART 110(3), MED 365(3); MUS 216(3)
      b. One course from: ART 210(3), ART 230(3), MED 361(3) or MED 382(3). Note: course **cannot** be double-counted toward the student's selected 18 hour option.
      c. ART 300(3)
      d. Six hours from ART 498(3) or MED 498(3)
   2. Choose one of the following options (18 hours):
      a. **Audio Studies:** See Department of Media, Journalism & Film section of catalog
      b. **Computer Animation Studies:** ART 230(3); MED 465(3) or MED 466(3); select 12 hours with advisor approval: ART 330(3), ART 331(3), ART 430(3), ART 431(3), ART 432(3-6), ART 399(3-6). Computer Animation Studies students must complete ART 230

before making a portfolio application to the program.

c. **Interactive New Media Studies:** See Department of Media, Journalism & Film section of catalog

d. **Video Studies:** See Department of Media, Journalism & Film section of catalog

3. Successful completion of the junior portfolio review and the achievement of a "C" or better grade in all required option courses completed at the time of the junior portfolio review must be achieved before admission to ART 498/MED 498, Senior Project in Electronic Arts, will be granted.
4. Public Affairs Capstone (PAC) Experience – all students are required to complete a three hour PAC Experience by completing one of the following options:
   a. ART 498 – senior thesis project directly related to cultural competence, community engagement, and/or ethical leadership issues. The PA component of the senior project will be defined specifically when the senior project is approved by the faculty team teaching the course.
   b. Study Away Experience – a study away experience of at least three hours will automatically meet the PAC requirement. Students will be expected to address issues related to cultural competency in their self-reflective report at the end of the study away experience.
   c. ART 399 – a three hour independent study will meet the PAC requirement when it involves a substantial component involving community engagement or cultural competency.

C. Minor Required. Note: No more than 6 hours may count for both the major and the minor.

D. General Baccalaureate Degree Requirements

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Missouri State

Museum Studies Certificate

Certificate(s)

Museum Studies

This certificate is for students who are interested in pursuing a career in a museum studies, archival studies, library studies, or other related fields. The certificate is designed to teach students the basics about museum work and to provide insight into today's museum world.

Admission requirement

Combined GPA (Missouri State and transfer) of 2.00 or higher.

Program requirements (12 hours)

A. ART 273(3), MST 388(3), MST 488(3)
B. After the completion of at least two of the above three courses, students enroll in MST 495(3). The internship is supervised by the Museum Studies Program Coordinator; however, if the student is also doing a Museum Studies minor, the internship is supervised by the respective track area advisor.
C. All candidates must satisfy the General University Certificate Requirements.

Program restrictions

The cross-listed courses ART/MST 388 and ART/MST 488 may not be double-counted between an Art History major and a Museum Studies minor and/or a Museum Studies Certificate. In the event that a student is both an Art History major and a Museum Studies minor and/or doing the Museum Studies Certificate, these two courses will count only for the Museum Studies minor and the Museum Studies Certificate and NOT also for the Art History major.

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

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Missouri State

Museum Studies

Minor(s)

Museum Studies

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science

Program Advisors: Dr. Billie Follensbee, Professor, Art and Design, Museum Studies Program Coordinator; Dr. Mitzi Kirkland-Ives, Associate Professor, Art and Design; Dr. Janice Green, Professor, Biology; Dr. Judith Meyer, Associate Professor, Geography, Geology and Planning; Dr. Elizabeth Sobel, Professor, Sociology and Anthropology; Dr. F. Scott Worman, Assistant Professor, Sociology and Anthropology.

The Museum Studies minor is an interdisciplinary minor which will introduce students to the variety of careers available in museum studies as well as provide basic background training in a variety of museum-related fields, allowing students to continue their studies at the graduate level or by working in museums themselves. This minor is also appropriate for students interested in public affairs, community development, or other fields leading to a career working with governmental or private institutions. By providing students with a background education in a variety of types of museums, how museums operate, and the role of different types of museums, students will develop an appreciation for these and other public and private institutions.

A. Required Courses (9 hours): MST 388(3)*, 488(3)*, 495(3). Students must register for either the ART course code or the MST course code for 388 and 488; the ART course code will count as an Art History course, while the MST course code will count as a Museum Studies course. Students completing a museum- or archives-related internship(s) in any one of the related disciplines may substitute this for the MST 495 internship, provided the internship consists of three credit hours total and fulfills all of the requirements for MST 495, and with the approval of a Museum Studies advisor.
   *ART/MST 388 and ART/MST 488 may not be double-counted between an Art History major and a Museum Studies minor; in the event that a student is both an Art History major and a Museum Studies minor, these two course will count only for the Museum Studies minor.
B. Complete nine additional hours from one of the following tracks. Only two electives may overlap with courses used for any major or minor. Appropriate substitutions are allowed within a track with the approval of a Museum Studies advisor.
   1. Art History Track: Appropriate prerequisite (ART 272(3) or ART 273(3)) and two of the following: ART 378(3), 382(3), 385(3), 386(3), 475(3), 478(3), 479(3); 480(3) or 484(3); 485(3)
   2. Biology Track: BIO 215(2) or two taxonomy courses, and two of the following: BIO 485(1-3), 501(2), 509(4), 527(1-4), 561(2), 562(4), 564(2)
   3. Geoscience Track: Select one GRY course, one GLG course, and one additional course from the following: GEO 363(4); GRY 301(3), 318(3), 320(3), 348(3); GLG 314(3), 332(3), 333(4), 350(3), 412(4), 415(4); PLN 573(3)
   4. Anthropology-Archaeology Track: ANT 305(3) and two of the following: ANT 345(3), 351(3-6), 355(3), 360(3), 375(3), 397(1-3) (when applicable), 490(1-6) (when applicable), 545(3), 550(3), 555(3), 598(3) (when applicable)
   5. Anthropology-World Cultures Track: ANT 100(3) or ANT 303(3) and two of the following: ANT 330(1-3), 331(3), 332(3), 334(3), 335(3), 490(1-6) (when applicable)
   6. Anthropology-Native Americans Track: Three of the following: ANT 325(3), 330(1-3), 351(3-6), 360(3), 490(1-6) (when applicable), 505(3), 525(3), 598(3) (when applicable)

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Communication

Programs

Indicates accelerated graduate program is available

Undergraduate

Communication (BA, BS, Minor)

Conflict and Dispute Resolution (Certificate)

Conflict and Interpersonal Communication (BS)

Ethical Leadership (Minor)

Interfaith Engagement (Certificate)
Interdisciplinary program offered by Department of Religious Studies and Department of Communications

Organizational Communication (BS)

Press Politics (Certificate)

Public Relations (BS)

Socio-Political Communication (BS)

Speech and Theatre Education (BSEd)

Graduate

Applied Communication (Certificate)

Communication (MA)

Conflict and Dispute Resolution (Certificate)

Courses are offered toward the option in Applied Communication within the Professional Studies program (MPS)

Accreditations

- Missouri Department of Elementary and Secondary Education – Speech and Theatre Education (BSEd)
- Council for the Accreditation of Educator Preparation – Speech and Theatre Education (BSEd)

Mission statement

The mission of the Department of Communication is to advance knowledge and practice of effective and ethical communication through teaching, scholarship, and engagement. Six themes unite the various disciplinary specialties represented by our faculty: communication competence, ethical discourse, diversity, leadership and participation, advocacy, and issues analysis.

Contact

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Missouri State

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Assistant professors

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Stephen Spates, MA

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Senior instructors

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Nora F. Cox, MA

Gary L. Iman, MA

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Missouri State

Office of the Registrar
Undergraduate Catalog

Communication Courses

Communication (COM) courses

COM 100 Introduction to Majors in Communication

This course is intended for new or prospective Communication majors and minors. The course informs students about programs of study in Communication and assists students in making decisions regarding degree programs and career plans. This is an elective course that will not count towards major or minor requirements. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

COM 115 Fundamentals of Public Speaking

General Education Course (Focus on Oral Communication).

Instruction and practice in researching, composing, and delivering formal and informal speeches in a variety of public contexts. Representative topics include: ethics in public speaking; listening; library research; outlining; delivery; writing in an oral style; evaluation of public address; and analyzing and adapting to audiences. The course emphasizes informative and persuasive speaking.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	COMM 110 - Fundamentals of Public Speaking.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

COM 120 Fundamentals of Debate

A survey of fundamental principles of debate, including research techniques, argument invention and construction, refutation, and strategy. This course is taught in relationship to current debate topics, and is not limited to participants on the debate team. May be repeated to a total of 12 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	COMM 220 - Argumentation and Debate.

CORE 42 MOTR ANSFER Access the CORE 42 portal

GUARANTEED Access the CORE 42 portal

COM 205 Interpersonal Communication Theory and Skills

Theory and practice in the principles and skills of interpersonal communication within a variety of contexts. Representative topics include: perception; self-concept development; verbal and nonverbal communication; effective listening techniques; conflict resolution; and sensitivity to cultural and gender differences.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	COMM 120 - Interpersonal Communication.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

COM 206 Introduction to Health Communication

An introductory survey of contemporary health communication issues, including patient-provider communication, health ethics, health organizations, health campaigns, and health and the media.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

COM 209 Survey of Communication Theory

A survey of selected theoretical approaches to understanding mediated and non-mediated human communication.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

COM 210 Communication Research Methods

Prerequisite: COM 209.

A survey of the quantitative and qualitative methods most commonly used for research in communication. Topics include the nature of the research process; research ethics; academic vs. applied research; evaluating research; and a discussion of specific research methods such as experimental design, statistical interpretation, survey research, individual and group interviewing, sampling and polling, content analysis, ethnography, and qualitative analysis techniques.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

COM 260 Communicating with Cultural Competence

General Education Course (Focus on Cultural Competence).

A cultural competence-based approach to contemporary intercultural communication issues in the United States. Topics include consideration of communication practices as they relate to ethnicity, race, religion, gender, sexuality, family structure, social class, age, and ability.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	SBSC 101 - Introduction to Intercultural Communication.

Access the CORE 42 portal

COM 300 Professional Development in Communication

Prerequisite: COM 115 and COM 209.

This course assists Communication students to assess their abilities and qualifications, to research professional opportunities, and to prepare for job searching and career planning.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

COM 305 Service Learning in Communication

Prerequisite: 30 hours and concurrent registration in a communication course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in communication to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

COM 307 Gender and Communication

This course examines theory and research on gender and communication. Its purpose is to help students explore how gender and communication are interrelated, how these concepts intertwine with other aspects of our identities, and how these factors play out in their own lives.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 309 Principles of Public Relations

Recommended Prerequisite: COM 115 and COM 209. Study of the development, planning, and implementation of communication programs and campaigns. Emphasis on the professional practices and ethical standards important to effective communication within organizations, and between organizations and their publics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

COM 311 Introduction to Conflict Resolution Studies

This course surveys the causes and nature of conflict, the role of communication skills in conflict management, formal and informal conflict resolution/management processes and techniques, careers in conflict management, and professional ethics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

COM 315 Advanced Speaking in Professional Settings

Prerequisite: COM 115.

An advanced course focused on developing competence in a variety of professional speaking situations. Content areas include speaking in live and mediated contexts, interacting with an audience, and providing feedback to others.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

COM 320 Principles of Advanced Debate

A survey of principles of debate, including counterplans, criticism, deep refutation, and other advanced strategies. This course is taught in relationship to current debate topics, and is not limited to participants on the debate team. May be repeated to a total of 12 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

COM 321 Inter-Collegiate Debating

Open only to those chosen to debate as University representatives. May be repeated to a total of 12 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

COM 322 Introduction to Argumentation

Prerequisite: COM 115.

Fundamental theories of argument. This course will meet the secondary teaching certification requirements for a minimum of 2 semester hours in debate. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

COM 325 Nonverbal Communication

This course examines the methods of research in nonverbal communication, the types or subcodes of nonverbal behaviors, and the application of nonverbal behaviors in social situations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

COM 326 Effective Listening

Prerequisite: COM 115 and COM 209.

The purpose of this course is to prepare the student to understand listening attitudes and behavior and to build a program for improvement in listening skills through application of listening theory to practical situations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

COM 328 Persuasion

Prerequisite: COM 115.

Recommended Prerequisite: COM 209 and COM 210. Modern theories of persuasion with some evaluation of specific case studies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

COM 332 Small Group Communication

Prerequisite: COM 115; and Communication majors/minors must be admitted to degree program.

Recommended Prerequisite: COM 209 and COM 210. Basic theory and techniques of oral interaction in group activities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

COM 336 Communication in Organizations

Prerequisite: COM 115; and Communication majors/minors must be admitted to degree program.

Recommended Prerequisite: COM 209 and COM 210. Analysis of communication processes as they occur within organizations. Students study both the effects of the organizational context on communication as well as the role of communication in shaping organizational life and effectiveness.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

COM 338 Communication Strategies for Recruitment in Organizations

Prerequisite: COM 336; and Communication majors/minors must be admitted to degree program.

This course will examine communication as a tool for successful recruitment (e.g., interviewing and networking) in organizations. This specialty course will advance students' ability to be competitive for various careers and to be knowledgeable of the role of communication in career-related strategies. Students will develop skills to be applied as both an applicant and an employer. Topics include: phases of the interview process, event and career networking, employment research strategies, and applicant presentation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 350 The Rhetorical Tradition and Contemporary Applications

Prerequisite: COM 115; and Communication majors/minors must be admitted to degree program.

Recommended Prerequisite: COM 209 and COM 210. A survey of rhetorical theories and methods from the classical period until present. The relevance of the rhetorical tradition to contemporary communication theory and practice is stressed. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

COM 360 Intercultural Communication Theory and Research

Prerequisite: COM 210; and Communication majors/minors must be admitted to degree program.

A survey of intercultural communication theory, research, and contemporary applications.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Spring

COM 379 Writing for Public Relations

Recommended prerequisite: JRN 270. Study and preparation of copy for press releases, newsletters, brochures, annual reports, and other written public relations communications.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

COM 390 Communication and Aging

Communication theories as they apply to the aging process. Examination of the effects of communication on the self-esteem, self-perception, well-being, and quality of life of the elderly. Study of communication between the elderly, the elderly and the young, and the elderly and their caregivers in a variety of contexts, including in one-on-one, family, and mediated situations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 397 Topics in Communication

A course covering a single topic within the field of Communication; subject will vary according to student demand and faculty availability. Examples include Conflict and Conflict Management, and Gender Differences. May be repeated up to a total of 6 hours with permission of department. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

COM 405 Interpersonal Communication

Prerequisite: COM 115; and Communication majors/minors must be admitted to degree program.

Recommended Prerequisite: COM 209 and COM 210. A survey of contemporary interpersonal communication theories and issues within a variety of contexts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

COM 417 Teaching of Speech and Theatre

Prerequisite: EDC 350, SPE 340, EDT 365, 12 hours in communication and 12 hours in theatre.

Scope and objectives of the speech and theatre program in secondary schools; organization and administration of curricular and co-curricular programs; general instruction methodology. Completion of Checkpoint II for the Professional Portfolio is a component of this course. This course is recommended to be completed the fall semester before student teaching. Credited only on BSEd (Secondary). A grade of "C" or better is required in this course in order to take COM 490 or COM 491. Cannot be taken Pass/Not Pass. Identical with THE 417. Cannot receive credit for both COM 417 and THE 417.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

COM 436 Communication and Leadership

Prerequisite: COM 115; and COM 332 or COM 336 or Ethical Leadership minor; and 60 hours; and Communication majors/minors must be admitted to degree program.

In-depth study of the relationship between communication and leadership within organizations and the development of specific communication competencies associated with effective leadership.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

COM 437 Advanced Organizational Communication

Prerequisite: COM 336; and Communication majors/minors must be admitted to degree program.

In-depth examination of a specific organizational communication topic. Topics will vary from semester to semester and may include: Conducting a Communication Audit, Communication Training and Development, Symbolism in Organizations, Interorganizational Collaboration and Communicating Organizational Change. Public Affairs Capstone Experience course for Organizational Communication majors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

COM 439 Techniques and Cases in Public Relations

Prerequisite: COM 210 and COM 309; Communication majors/minors must be admitted to degree program.

Recommended Prerequisite: COM 336. Communication theories and techniques of message preparation as applied to the function of organizational promotion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

COM 459 Social Media Analytics for Public Relations

COM 459 Social Media Analytics for Public Relations

Prerequisite: COM 115 and COM 209; and Communication majors must complete COM 210; and Communication majors/minors must be admitted to degree program.

This course focuses on the application of social media monitoring tools and teaches students to become social media analysts to create real-time content and engagement with various publics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

COM 469 Global Public Relations

This course develops an understanding of the global perspective of public relations with an emphasis on corporate and agency public relations practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

COM 479 Strategic Communication for Events

The foundational application of communication theories in the area of social, professional, recreational, personal, educational, and commercial special events. This class offers a comprehensive study of staging, implementing, budgeting and marketing activities in an event-centered society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

COM 490 Supervised Teaching (Secondary Speech and Theatre)

Prerequisite: COM 417; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in COM 491.

Student observes then teaches speech and theatre classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Cannot count toward the major GPA. Identical with THE 490. Cannot receive credit for both COM 490 and THE 490.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

COM 491 Supervised Teaching (Secondary Speech and Theatre)

Prerequisite: Concurrent enrollment in COM 490.

Student observes then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-

related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's

professional portfolio must meet or exceed final criteria. Cannot count toward the major GPA. Cannot receive credit for both COM 491 and THE 491. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

COM 493 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

COM 494 Conflict Internship

Prerequisite: COM 205 and COM 311 and COM 511 or COM 521; and admission to the certificate program in Conflict and Dispute Resolution; and permission.

This course allows students an applied opportunity to integrate theoretical material on conflict and dispute resolution in a variety of contexts in which conflict occurs. Meeting minimum prerequisite requirements does not guarantee internship placement. May be repeated to a maximum of six hours with permission of the Internship Coordinator. May be taught concurrently with COM 794. Cannot receive credit for both COM 494 and COM 794.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

COM 495 Communication Internship

Prerequisite: declared Communication major or minor or declared undergraduate certificate in Conflict and Dispute Resolution; admitted to degree program; and permission of Internship Coordinator.

Supervised pre-professional field experience related to communication studies. Meeting minimum prerequisite requirements does not guarantee internship placement. May be repeated to a maximum of 6 hours with permission of Internship Coordinator. No more than three hours may be applied to a Communication minor. No more than one hour may be applied to the Undergraduate Certificate in Conflict and Dispute Resolution. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

COM 496 Independent Study in Communication

Prerequisite: COM 115 and COM 209; and permission of instructor; and Communication majors/minors must be admitted to degree program.

Supervised independent study exploring in-depth selected areas.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

COM 499 Program Assessment

Prerequisite: permission of instructor.

Required assessment of programs and public affairs activity for all communication majors. Must be taken during the last semester of graduation or of residence. Assessment activities include submission of a cumulative academic portfolio including report of public affairs project and other elements such as exit interviews, surveys, or examinations. The focus is on communication program development, rather than on individual student evaluation. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0	0	0	Upon demand

COM 500 Service Learning in Communication

Prerequisite: permission of instructor and concurrent enrollment in a communication, media, or journalism course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in communications to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated. May be taught concurrently with COM 600. Cannot receive credit for both COM 600 and COM 500.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

COM 506 Family Communication

This course is intended to provide students with an in-depth examination of communication as it functions in family systems. May be taught concurrently with COM 607. Cannot receive credit for both COM 607 and COM 506.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 507 Health Communication and Culture

The examination of intercultural communication concepts in the health care context. Emphasis will be on understanding the health needs of diverse populations, Western health practices, non-Western health practices, and the conflicts that can emerge when cultures collide. May be taught concurrently with COM 604. Cannot receive credit for both COM 507 and COM 604.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (even-numbered years)

COM 508 Patient-Provider Communication

This course explores the nature of patient-provider interactions in health care contexts. Emphasis is placed on traditional and non-traditional health care providers, their patients, and interpersonal communication theories specific to health care interactions. May be taught concurrently with COM 608. Cannot receive credit for both COM 508 and COM 608.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

COM 509 Communication Campaigns

Prerequisite: permission of instructor.

This course is designed to provide students with hands-on experience researching, planning, executing, and evaluating communication campaigns with actual clients. Variable content course. May be repeated once for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 511 Conflict and Communication

Equips students to understand the dynamics of interpersonal conflict and its resolution in a variety of community settings. Students will learn to analyze their own conflict styles and to develop self-regulation strategies for collaborative outcomes. The course covers conflict theory and research and allows opportunities to apply this information to current issues in community and organizational settings and within diverse populations. Lectures/discussions by scholars, community leaders, and/or agency personnel who deal with conflict as well as simulations of conflict situations will be provided. May be taught concurrently with COM 611. Cannot receive credit for both COM 611 and COM 511.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

COM 512 Communication and Diversity in the Workplace

Exploration of current theory and research regarding communication and diversity in the workplace. Study of practical applications for the assessment and training of communication skills relative to culture, race, sex, age, disability, sexual orientation and other diversity issues. Emphasis is placed on improving understanding of communication similarities and differences among diverse population groups. Includes

readings, class discussion, observation, and/or class projects about assessment and training in communication skills in a diverse workplace. May be taught concurrently with COM 617. Cannot receive credit for both COM 617 and COM 512.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 513 Ethical Issues in Communication

Ethical theories and justification models are studied and then related to ethical decision making in a variety of communication contexts, including interpersonal communication, group communication, organizational communication, and public communication. The course will examine the components of good ethical decision making in communication, as well as obstacles that can stand in the way of responsible choices. May be taught concurrently with COM 619. Cannot receive credit for both COM 619 and COM 513.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 519 Bateman Competition PRSSA

Prerequisite: COM 115 and COM 209 and COM 210; and Communication majors/minors must be admitted to degree program; and permission of instructor.

This course aims to prepare students for advanced public relations problem-solving. At the end of this course, students will research, develop and execute a strategic public relations plan by competing in the national Public Relations Student Society of America Bateman Case Study Competition.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

COM 521 Communication, Mediation, and Negotiation

Explores the communicative foundation for understanding the processes of mediation and negotiation as methods for resolving conflict, with an emphasis on interpersonal and organizational conflict. The course covers theories and concepts pertaining to mediation and negotiation, particularly alternative dispute resolution, and provides students the opportunity to apply concepts through a variety of experiential activities. May be taught concurrently with COM 621. Cannot receive credit for both COM 621 and COM 521.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

COM 523 Contemporary Topics in Conflict

Prerequisite: COM 311 or COM 511 or permission.

An in-depth exploration of a specific topic in conflict. Topics will vary from semester to semester and may include but are not limited to the following: Dialogue and Facilitation, Conflict and Communication Coaching, Advanced Mediation, Family Conflict, Communication and Restorative Processes, Conflict Management in Schools, and Peace and Conflict. Variable content course. May be repeated to a maximum of nine hours with permission of the department. May be taught concurrently with COM 623. Cannot receive credit for both COM 523 and COM

623.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 532 Teaching Debate

Prerequisite: COM 322.

This course prepares the student to teach various forms of debate in a high school setting. It will explore all major forms of high school debate, including CX Policy Debate, L/D Debate, parliamentary, and Public Forum debate. May be taught concurrently with COM 631. Cannot receive credit for both COM 631 and COM 532.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

COM 534 Teaching Individual Events

Prerequisite: THE 323.

This course prepares the student to teach various individual events common in a high school setting. It will explore all major high school individual events, including Foreign and Domestic Extemporaneous Speaking, Original Oratory, Poetry, Prose, Dramatic Interpretation, Humorous Interpretation, Radio Speaking, Storytelling, and Student Congress. May be taught concurrently with COM 633. Cannot receive credit for both COM 633 and COM 534.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

COM 536 Directing Forensics

Prerequisite: COM 532 and COM 534.

Problems in coaching and conducting forensic contests. May be taught concurrently with COM 635. Cannot receive credit for both COM 635 and COM 536.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

COM 550 Political Communication

Prerequisite: COM 115 and COM 209; and Communication majors must complete COM 210; and Communication majors/minors must be admitted to degree program.

Examination of the communication process in modern political campaigns. Emphasis is placed on the role of communication strategies and tactics in political organization, message formation, fund raising, and mass media usage. May be taught concurrently with COM 650. Cannot receive credit for both COM 650 and COM 550.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

COM 552 Communication Technology and Politics

Prerequisite: COM 115 and COM 209; and Communication majors must complete COM 210; and Communication majors/minors must be admitted to degree program.

This course focuses on how communication technology contributes to the political process including campaigns, discourse, and information gathering. Heavy emphasis is placed on the distribution, reception, and process of political information through all communication technology, including social media, in terms of both theory and practice. May be taught concurrently with COM 652. Cannot receive credit for both COM 652 and COM 552.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

COM 554 Presidential Rhetoric

Prerequisite: COM 115; and Communication majors must complete COM 209 and COM 210 and COM 350; and Communication majors/minors must be admitted to degree program.

Examination of rhetoric used in governance, with a primary focus on presidential rhetoric. Emphasis is placed on history of presidential address, genre expectations for common presidential topics, political speechwriting, and rhetorical norms for legislative and judicial rhetoric. May be taught concurrently with COM 654. Cannot receive credit for both COM 554 and COM 654.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

COM 566 Social Movement Communication

Prerequisite: COM 115 and COM 209; and Communication majors/minors must be admitted to degree program.

Examination of social movement communication with emphasis on functionalist, dramatistic, and symbolic convergence theories. Study of movements' use of communication to generate discontent, mobilize and coordinate support, defend themselves and attack opponents, and negotiate with external groups. Critical analysis of collective actions such as student, civil rights, identity, labor, religious, feminist, lesbian/gay, and utopian movements. May be taught concurrently with COM 660. Cannot receive credit for both COM 660 and COM 566.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

COM 597 Studies in Communication Theory and Practice

In-depth examination of a specific communication topic. May vary from semester to semester and, with permission of the department, may be repeated to a total of 12 hours. Variable content course. May be taught concurrently with COM 698. Cannot receive credit for both COM

698 and COM 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 600 Service Learning in Communication Graduate Study

Prerequisite: permission of instructor and concurrent enrollment in a communication, media, or journalism course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in communications to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated. May be taught concurrently with COM 500. Cannot receive credit for both COM 600 and COM 500.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

COM 604 Health Communication and Culture

The examination of intercultural communication concepts in the health care context. Emphasis will be on understanding the health needs of diverse populations, Western health practices, non-Western health practices, and the conflicts that can emerge when cultures collide. May be taught concurrently with COM 507. Cannot receive credit for both COM 604 and COM 507.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (even-numbered years)

COM 607 Family Communication

This course is intended to provide students with an in-depth examination of communication as it functions in family systems. May be taught concurrently with COM 506. Cannot receive credit for both COM 506 and COM 607.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 608 Patient-Provider Communication

This course explores the nature of patient-provider interactions in health care contexts. Emphasis is placed on traditional and non-traditional health care providers, their patients, and interpersonal communication theories specific to health care interactions. May be taught concurrently with COM 508. Cannot receive credit for both COM 608 and COM 508.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

COM 611 Conflict and Communication

Equips students to understand the dynamics of interpersonal conflict and its resolution in a variety of community settings. Students will learn to analyze their own conflict styles and to develop self-regulation strategies for collaborative outcomes. The course covers conflict theory and research and applies these ideas to current community and organizational settings and diverse populations. Lectures/discussions by scholars, community leaders, and/or agency personnel who deal with conflict as well as simulations of conflict situations will be provided. May be taught concurrently with COM 511. Cannot receive credit for both COM 511 and COM 611.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

COM 617 Communication and Diversity in the Workplace

Exploration of current theory and research regarding communication and diversity in the workplace. Study of practical applications for the assessment and training of communication skills relative to culture, race, sex, age, disability, sexual orientation and other diversity issues. Emphasis is placed on improving understanding of communication similarities and differences among diverse population groups. Includes readings, class discussion, observation, and/or class projects about assessment and training in communication skills in a diverse workplace. May be taught concurrently with COM 512. Cannot receive credit for both COM 512 and COM 617.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 619 Ethical Issues in Communication

Ethical theories and justification models are studied and then related to ethical decision making in a variety of communication contexts, including interpersonal communication, group communication, organizational communication, and public communication. The course will examine the components of good ethical decision making in communication, as well as obstacles that can stand in the way of responsible choices. May be taught concurrently with COM 513. Cannot receive credit for both COM 513 and COM 619.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 621 Communication, Mediation, and Negotiation

Explores the communicative foundation for understanding the processes of mediation and negotiation as methods for resolving conflict, with an emphasis on interpersonal and organizational conflict. The course covers theories and concepts pertaining to mediation and negotiation, particularly alternative dispute resolution, and provides students the opportunity to apply concepts through a variety of experiential activities. May be taught concurrently with COM 521. Cannot receive credit for both COM 521 and COM 621.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

COM 623 Contemporary Topics in Conflict

An in-depth exploration of a specific topic in conflict. Topics will vary from semester to semester and may include but are not limited to the following: Dialogue and Facilitation, Conflict and Communication Coaching, Advanced Mediation, Family Conflict, Communication and Restorative Processes, Conflict Management in Schools, and Peace and Conflict. Variable content course. May be repeated to a maximum of nine hours with permission of the department. May be taught concurrently with COM 523. Cannot receive credit for both COM 523 and COM 623.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 631 Teaching Debate

This course prepares the student to teach various forms of debate in a high school setting. It will explore all major forms of high school debate, including CX Policy Debate, L/D Debate, parliamentary, and Public Forum debate. May be taught concurrently with COM 532. Cannot receive credit for both COM 532 and COM 631.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

COM 633 Teaching Individual Events

This course prepares the student to teach various individual events common in a high school setting. It will explore all major high school individual events, including Foreign and Domestic Extemporaneous Speaking, Original Oratory, Poetry, Prose, Dramatic Interpretation, Humorous Interpretation, Radio Speaking, Storytelling, and Student Congress. May be taught concurrently with COM 534. Cannot receive credit for both COM 534 and COM 633.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

COM 635 Directing Forensics

Problems in coaching and conducting forensic contests. May be taught concurrently with COM 536. Cannot receive credit for both COM 536 and COM 635.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

COM 650 Political Communication

Examination of the communication process in modern political campaigns. Emphasis is placed on the role of communication strategies and tactics in political organization, message formation, fund raising, and mass media usage. May be taught concurrently with COM 550. Cannot receive credit for both COM 550 and COM 650.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

COM 652 Communication Technology and Politics

This course focuses on how communication technology contributes to the political process including campaigns, discourse, and information gathering. Heavy emphasis is placed on the distribution, reception, and process of political information through all communication technology, including social media, in terms of both theory and practice. May be taught concurrently with COM 552. Cannot receive credit for both COM 652 and COM 552.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

COM 654 Presidential Rhetoric

Examination of rhetoric used in governance, with a primary focus on presidential rhetoric. Emphasis is placed on history of presidential address, genre expectations for common presidential topics, political speechwriting, and rhetorical norms for legislative and judicial rhetoric. May be taught concurrently with COM 554. Cannot receive credit for both COM 554 and COM 654.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

COM 660 Social Movement Communication

Examination of social movement communication with emphasis on functionalist, dramatistic, and symbolic convergence theories. Study of movements' use of communication to generate discontent, mobilize and coordinate support, defend themselves and attack opponents, and negotiate with external groups. Critical analysis of collective actions such as student, civil rights, identity, labor, religious, feminist, lesbian/gay, and utopian movements. May be taught concurrently with COM 566. Cannot receive credit for both COM 566 and COM 660.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

COM 698 Studies in Communication Theory and Practice

In-depth examination of a specific communication topic. May vary from semester to semester and, with permission of the department, may be repeated to a total of 12 hours. Variable content course. May be taught concurrently with COM 597. Cannot receive credit for both COM 597 and COM 698.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 701 Introduction to Graduate Studies

Introduction to graduate study in communication. Topics include an overview of the field, introduction to relevant journals, library skills, professional associations, planning a program of study, and how to satisfy the research requirement.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

COM 702 Theory and Research in Communication

Survey of communication theory, models, and research. Topics include perception, construction of meaning, language and symbol systems, interpersonal discourse, relationships, small group interaction, and organizational communication.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

COM 705 Health Communication

Examination of communication theory in the health care context. Emphasis will be on communication effectiveness in health care professional/client relationships, in addition to message practices in small group, organizational, and mediated health campaign settings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 706 Rhetorical Theory

The study of rhetorical theories from the pre-Socratic period to the contemporary period.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

COM 710 Contemporary Communication Education

Examination of current practices and trends in Communication Education. Graduate teaching assistants in communication are required to take this course during the first semester of the assistantship. Course is only open to graduate teaching assistants in the Department of Communication.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

COM 712 Quantitative Research Methods in Communication

Quantitative research methodology in human communication. This course is designed to teach students how to read, interpret, and conduct research that uses numerical data. Some descriptive and inferential statistical analysis included. Students will design and carry out communication research using the methods they have learned.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 713 Public Relations Campaigns

This course is designed to provide students with an opportunity to explore the interface of profit and non-profit organizations with television, radio, newspapers and the internet to enhance organizational effectiveness. The course is project based focusing on developing specific media resources to meet strategic organizational communication goals.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 714 Qualitative Research Methods in Communication

Qualitative research methodology in human communication. This course is designed to teach students how to read, interpret, and conduct various types of qualitative research. Students will design and carry out communication research using the methods they have learned.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

COM 716 Rhetorical Research Methods in Communication

Rhetorical criticism methodologies in human communication research. This course is designed to teach students how to read, interpret, and conduct various types of rhetorical criticism. Students will develop and complete a rhetorical criticism using the methods they have learned.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 718 Applied Communication Research Methods

Prerequisite: permission of instructor.

In-depth examination of a specific applied communication research methodology including: survey research, media criticism, communication audits, in-depth interviewing, and focus group interviewing. Topic will vary semester to semester. May be repeated but only 3 hours will count toward the degree.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered
3	3	0	Upon demand

COM 722 Argumentation as Communication

Argumentation as related to decision making, conflict resolution and negotiation in business, industry, government, and education.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 724 Theories of Interpersonal Communication

Topics include theories, concepts, models of interpersonal communication, interpersonal discourse, relationships, resolving conflicts, verbal message analysis, interpreting nonverbal message.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 732 Theories and Concepts of Small Group Communication

Survey of theories and concepts related to communication in small groups. Topics include group development, roles, norms, leadership, cohesiveness, decision making, conflict, interaction analysis, and research approaches to small group communication.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 736 Concepts and Analysis of Communication in Organizations

Advanced study of communication in organizations. Application of traditional and contemporary theories of communication and organizations in current research and practice. Particular attention is given to the symbolic nature of organizing and to the analysis of organizational culture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 739 Concepts and Analysis of Public Relations

Examination of concepts which underlie practices in public relations. Analysis of current practices and issues important in public relations for

corporations, not-for-profit organizations. government agencies, and educational institutions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 794 Conflict Internship

Prerequisite: 6 hours of conflict courses; admission to the graduate certificate in Conflict and Dispute Resolution; and permission.

This course allows students an applied opportunity to integrate theoretical material on conflict and dispute resolution in a variety of contexts and settings in which conflict occurs. May be taught concurrently with COM 494. Cannot receive credit for both COM 794 and COM 494.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

COM 795 Communication Internship

Prerequisite: 12 graduate hours in Communication; and permission of department.

Independent projects in the various areas of communication. May be repeated to a maximum of 6 hours with permission of the department.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

COM 796 Independent Study

Prerequisite: permission of advisor.

Study may be reading project or a practical application of theories. May be repeated to a maximum of 4 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

COM 797 Seminar: Communication Theory

Special topics in history, theory and criticism of communication. Topic may vary from semester to semester. With permission, may be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COM 799 Masters Thesis

COM 799 Masters Thesis

Prerequisite: completion of 9 graduate hours in communication; and permission of the Director of Graduate Studies and admission to the thesis option; and complete 3 graduate hours in research methods or be concurrently enrolled in one of the following courses: COM 712, COM 714, COM 716, or COM 718.

Independent research and study connected with preparation of thesis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

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Missouri State

Office of the Registrar
Undergraduate Catalog

Communication

Major(s)

Communication (Non-Comprehensive)

Bachelor of Arts

Admission requirements

A. Complete a minimum of 59 credit hours.
B. Complete the General Education Foundations courses.
C. Have a combined grade point average (Missouri State and transfer) of 2.50 or higher or have a GPA of 2.75 for the last 30 hours of courses completed before applying for admission to the degree program.
D. Complete COM 115 and COM 209 with a GPA of 2.50 or higher.
E. Submit application for admission and receive approval by faculty advisor and Head of the Department of Communication.

A student must meet these requirements by the time he/she has completed 90 hours of courses (Missouri State and transfer) to be admitted to the program. No waiver of these requirements will be granted except that transfer students transferring 90 hours or more will be allowed one semester to complete the departmental core courses after transferring to Missouri State.

Program requirements

A. General Education Program and Requirements
   Specific General Education Requirement: COM 115(3)
B. Major Requirements (33 hours)
   1. Theory and Method Core (9 hours): COM 209(3), 210(3), 350(3)
   2. Communication Practices Core (9 hours): COM 205(3), 315(3); 322(3) or 328(3). (One course may not be used to satisfy both the Communication Practices Core and Option Requirements.)
   3. Public Affairs Capstone Experience will be fulfilled by completion of COM 350(3). COM 495 and COM 322 are optional.
   4. Choose one of the following options:
      a. **Communication Studies** (15 hours): COM 325(3) or 326(3)*; 12 additional hours chosen from: COM 206(3), 307(3), 309(3); 322(3) or 328(3); 325(3) or 326(3)*; 332(3), 336(3), 360(3), 379(3), 397(3)**, 405(3), 495(3), 506(3), 550(3), 566(3), 597(3)**; MED 580(3)
      b. **Intercultural Communication and Diversity** (15 hours): COM 325(3) or 326(3); 360(3), 512(3); 6 additional hours chosen from: COM 307(3), 390(3), 397(3)**, 405(3), 495(3), 513(3), 566(3), 597(3)**

      **If both COM 325 and 326 are taken, all 6 hours may count toward the 15 hour requirement.*
      ***With advisor approval. No more than 3 total hours of COM 397 or 597 may be counted toward the 33 hours required.*

C. Minor Required (or second major)
D. Specific Bachelor of Arts Degree Requirements
E. General Baccalaureate Degree Requirements

Communication (Non-Comprehensive)

Bachelor of Science

Admission requirements

A. Complete a minimum of 59 credit hours.
B. Complete the General Education Foundations courses.
C. Have a combined grade point average (Missouri State and transfer) of 2.50 or higher or have a GPA of 2.75 for the last 30 hours of courses completed before applying for admission to the degree program.
D. Complete COM 115 and COM 209 with a GPA of 2.50 or higher.
E. Submit application for admission and receive approval by faculty advisor and Head of the Department of Communication.

A student must meet these requirements by the time he/she has completed 90 hours of courses (Missouri State and transfer) to be admitted to the program. No waiver of these requirements will be granted except that transfer students transferring 90 hours or more will be allowed one semester to complete the departmental core courses after transferring to Missouri State.

Program requirements

A. General Education Program and Requirements
Specific General Education Requirement: COM 115(3)
B. Major Requirements (33 hours)
1. Theory and Method Core (9 hours): COM 209(3), 210(3), 350(3)
2. Communication Practices Core (9 hours): COM 205(3), 315(3); 322(3) or 328(3). (One course may not be used to satisfy both the Communication Practices Core and Option Requirements.)
3. Public Affairs Capstone Experience will be fulfilled by completion of COM 350(3). COM 495 and COM 322 are optional.
4. Choose one of the following options:
a. **Communication Studies** (15 hours): COM 325(3) or 326(3)*; 12 additional hours chosen from: COM 206(3), 307(3), 309(3); 322(3) or 328(3); 325(3) or 326(3)*; 332(3), 336(3), 360(3), 379(3), 397(3)**, 405(3), 495(3), 506(3), 550(3), 566(3), 597(3)**; MED 580(3)
b. **Intercultural Communication and Diversity** (15 hours): COM 325(3) or 326(3); 360(3), 512(3); 6 additional hours chosen from: COM 307(3), 390(3), 397(3)**, 405(3), 495(3), 513(3), 566(3), 597(3)**

** If both COM 325 and 326 are taken, all 6 hours may count toward the 15 hour requirement.*
***With advisor approval. No more than 3 total hours of COM 397 or 597 may be counted toward the 33 hours required.*

C. Minor Required (or second major)
D. General Baccalaureate Degree Requirements

Minor(s)

Communication

Bachelor of Arts

Bachelor of Science

A. COM 209(3)
B. 12 hours of COM elective courses (6 hours of which must be chosen from courses numbered 300 or higher) to bring total hours in minor to at least 15 hours. COM 115 or transfer equivalent cannot be used to satisfy the 12 hours of COM electives in this minor.

A minimum of 9 credit hours not counted as requirements on any Department of Communication major or other Department of Communication minor is required for the completion of any minor in the Department of Communication.

Students with a BA or BS in Communication may not select any minor with the Department of Communication to meet their minor requirement.

Students with a BS in Public Relations may select the Ethical Leadership minor in the Department of Communication to fulfill their minor requirement.

Although a minor is not required for the BS in Socio-Political Communication or the BSED in Speech and Theatre Education, students may select the Ethical Leadership minor in the Department of Communication as an optional minor.

Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Conflict and Dispute Resolution Certificate

Conflict and Dispute Resolution

This certificate provides concentrated training in conflict processes that can be applied to a variety of degree and professional areas. Students completing this program will have a better understanding of the dynamics of conflict and the skills to effectively manage conflict in a wide range of settings.

Admission requirements

To be admitted students must have completed at least 30 hours and have a minimum GPA of 3.00. Meeting the minimum application requirements does not guarantee admission to the certificate.

Program requirements (16 hours)

A. Complete the following 2 courses: COM 205(3) and 311(3).
B. Complete either COM 511(3) or 521(3).
C. Complete 1 credit hour of internship experience that directly relates to conflict and its application in professional settings. Students must have completed COM 311 and either COM 511 or COM 521 or equivalent conflict courses before enrolling in the internship. In most instances, certificate students will enroll in COM 494, Conflict Internship, to fulfill the internship requirement. Other internship courses may be substituted with approval of the certificate advisor.
D. Complete 6 hours of elective credits with advisor approval. The intent of these electives is to allow students to focus on conflict processes that are specific to their professional interest area. Courses in the 6 hour elective requirement allow a more discipline specific focus than is found in the core.
E. All candidates must satisfy the General University Certificate Requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Conflict and Interpersonal Communication

Conflict and Interpersonal Communication (Non-Comprehensive)

Bachelor of Science

Admission requirements

A. Complete a minimum of 59 credit hours.
B. Complete the General Education Foundations courses.
C. Have a combined grade point average (Missouri State and transfer) of 2.50 or higher or have a GPA of 2.75 for the last 30 hours of courses completed before applying for admission to the degree program.
D. Complete COM 115 and COM 209 with a GPA of 2.50 or higher.
E. Submit application for admission and receive approval by faculty advisor and Head of the Department of Communication.

A student must meet these requirements by the time he/she has completed 90 hours of courses (Missouri State and transfer) to be admitted to the program. No waiver of these requirements will be granted except that transfer students transferring 90 hours or more will be allowed one semester to complete the departmental core courses after transferring to Missouri State.

Program requirements

A. General Education Program and Requirements
   Specific General Education Requirement: COM 115(3)
B. Major Requirements (33 hours)
   1. Theory and Method Core (9 hours): COM 209(3), 210(3), 350(3)
   2. Communication Practices Core (9 hours): COM 205(3); 325(3) or 326(3); COM 332(3)
   3. Conflict Studies Core (12 hours): COM 311(3), 511(3), 521(3), 523(3)
   4. Public Affairs Capstone Experience will be fulfilled by completion of COM 511(3).
   5. Choose one of the following courses (3 hours): COM 307(3), 315(3), 328(3), 336(3), 338(3), 360(3), 390(3), 397(3), 405(3), 437(3), 439(3), 494(3), 506(3), 507(3), 508(3), 512(3), 513(3), 523(3), 550(3), 566(3), 597(3)
C. Minor Required (or second major)
D. General Baccalaureate Degree Requirements

Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Ethical Leadership

Minor(s)

Ethical Leadership

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

A. COM 436(3), 513(3); and COM 360(3) or 512(3)
B. Select one course from: COM 205(3), 322(3), 315(3), 326(3)
C. Select two courses from: COM 206(3), 307(3), 332(3), 336(3), 405(3), 495(3), 506(3), 566(3); GST 170(3); HST 324(3); PHI 302(3), 342(3), 513(3); PLS 319(3); PSY 320(3), 379(3), REL 370(3)
D. No more than 6 hours may also count toward a major.

A minimum of 9 credit hours not counted as requirements on any Department of Communication major or other Department of Communication minor is required for the completion of any minor in the Department of Communication.

Students with a BA or BS in Communication may not select any minor with the Department of Communication to meet their minor requirement.

Students with a BS in Public Relations may select the Ethical Leadership minor in the Department of Communication to fulfill their minor requirement.

Although a minor is not required for the BS in Socio-Political Communication or the BSED in Speech and Theatre Education, students may select the Ethical Leadership minor in the Department of Communication as an optional minor.

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https://www.missouristate.edu/registrar/catalog/prog-ethical-leadership.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Organizational Communication

Organizational Communication (Non-Comprehensive)

Bachelor of Science

Admission requirements

A. Complete a minimum of 59 credit hours.
B. Complete the General Education Foundations courses.
C. Have a combined grade point average (Missouri State and transfer) of 2.50 or higher or have a GPA of 2.75 for the last 30 hours of courses completed before applying for admission to the degree program.
D. Complete COM 115 and COM 209 with a GPA of 2.50 or higher.
E. Submit application for admission and receive approval by faculty advisor and Head of the Department of Communication.

A student must meet these requirements by the time he/she has completed 90 hours of courses (Missouri State and transfer) to be admitted to the program. No waiver of these requirements will be granted except that transfer students transferring 90 hours or more will be allowed one semester to complete the departmental core courses after transferring to Missouri State.

Program requirements

Students pursuing an Organizational Communication major (non-comprehensive) must complete a minimum of 9 credit hours not counted as requirements on any other major in the Department of Communication.

A. General Education Program and Requirements
   Specific General Education Requirement: COM 115(3)
B. Major Requirements (33 hours)
   1. Departmental Requirements (9 hours): COM 209(3), 210(3), 350(3)
   2. Communication Practices (6 hours): COM 205(3), 315(3)
   3. Organizational Communication Requirements: COM 332(3), 336(3); 360(3) or 512(3); 338(3) or 436(3); 437(3), 511(3) or 521(3)
   4. Public Affairs Capstone Experience will be fulfilled by completion of COM 437(3).
C. Minor Required (or second major)
D. General Baccalaureate Degree Requirements

Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward

both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Press Politics Certificate

Press Politics

This certificate is for students who are interested in pursuing a career in politics, media, political commentary, journalism, campaign management and messaging, lobbying, or other related fields. Students who complete this certificate will have practice in political reporting, political communication, and an understanding of political behavior as it is impacted by mediated messages.

Program requirements (15 hours)

A. COM 550(3), COM 552(3); PLS 316(3) or PLS 317(3)
B. Select six additional hours from following in consultation with certificate advisor: COM 309(3), COM 379(3), JRN 270(3), JRN 478(3), MED 580(3)
C. All candidates must satisfy the General University Certificate Requirements.

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https://www.missouristate.edu/registrar/catalog/cert-press-politics-certificate.htm

Missouri State

Public Relations

Major(s)

Public Relations (Comprehensive)

Bachelor of Science

This major is designed for students who wish to enter public relations, employee relations, and other related fields.

Admission requirements

A. Complete a minimum of 59 credit hours.
B. Complete the General Education Foundations courses.
C. Have a combined grade point average (Missouri State and transfer) of 2.50 or higher or have a GPA of 2.75 for the last 30 hours of courses completed before applying for admission to the degree program.
D. Complete COM 115 and COM 209 with a GPA of 2.50 or higher.
E. Submit application for admission and receive approval by faculty advisor and Head of the Department of Communication.

A student must meet these requirements by the time he/she has completed 90 hours of courses (Missouri State and transfer) to be admitted to the program. No waiver of these requirements will be granted except that transfer students transferring 90 hours or more will be allowed one semester to complete the departmental core courses after transferring to Missouri State.

Additional admission requirements

Applicants must submit a letter grade for COM 115(3), COM 209(3), and JRN 270(3). A grade point average of 2.50 or higher must be achieved across these 9 hours.

Program requirements

A. General Education Program and Requirements
   Specific General Education Requirements: COM 115(3), PSY 121(3)
B. Major Requirements (54 hours)
   1. Departmental requirements (21 hours): COM 115(3), 205(3), 209(3), 210(3), 328(3), 336(3), 350(3)
   2. Public relations requirements (18 hours): COM 309(3), 379(3), 439(3), 459(3), 509(3) or 519(3); DES 300(3)
   3. Communication production, writing, and advocacy: JRN 270(3); and 12 hours from COM 322(3), 469(3), 479(3), 495(3), 550(3), 566(3); JRN 370(3), 374(3), 381(3), 384(3); MED 290(3), 345(3), 355(3), 381(3), 390(3); ENG 373(3), AGC 293(3), 303(3), 333(3).
   4. Public Affairs Capstone Experience will be fulfilled by completion of COM 509(3) or 519(3)
C. General Baccalaureate Degree Requirements

Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Socio-Political Communication

Major(s)

Socio-Political Communication (Comprehensive)

Bachelor of Science

Admission requirements

A. Complete a minimum of 59 credit hours.
B. Complete the General Education Foundations courses.
C. Have a combined grade point average (Missouri State and transfer) of 2.50 or higher or have a GPA of 2.75 for the last 30 hours of courses completed before applying for admission to the degree program.
D. Complete COM 115 and COM 209 with a GPA of 2.50 or higher.
E. Submit application for admission and receive approval by faculty advisor and Head of the Department of Communication.

A student must meet these requirements by the time he/she has completed 90 hours of courses (Missouri State and transfer) to be admitted to the program. No waiver of these requirements will be granted except that transfer students transferring 90 hours or more will be allowed one semester to complete the departmental core courses after transferring to Missouri State.

Program requirements

A. General Education Program and Requirements
   Specific General Education Requirement: COM 115(3)
B. Major Requirements (48 hours)
   1. Departmental Core (3 hours): COM 209(3)
   2. COM 210(3), 315(3), 322(3), 328(3), 332(3), 350(3), 379(3), 550(3), 552(3), 554(3); JRN 270(3)
   3. 12 hours with advisor approval from: COM 307(3), 336(3), 360(3), 397(3), 436(3), 459(3), 495(3), 509(3), 512(3), 513(3), 566(3), 597(3)*, JRN 407(3); MED 365(3), MED 454(3), MED 580(3); PLS 316(3), PLS 317(3); PLS 330(3) or PHI 330(3); PLS 413(3), PLS 414(3), PLS 419(3); SOC 152(3), SOC 320(3)
   4. Public Affairs Capstone Experience will be fulfilled by completion of COM 350(3). COM 495 and COM 322 are optional.

   **All special topics courses require advisor approval. No more than 6 hours of special topics may be credited toward the major.*
C. General Baccalaureate Degree Requirements

Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Speech and Theatre Education

Major(s)

Speech and Theatre Education

Bachelor of Science in Education (Certifiable grades 9-12)

A. General Education Program and Requirements
   Specific General Education Requirements: COM 115(3); MED 120(3)
B. Major Requirements (54 hours)
   Students interested in teaching speech and theatre at the secondary level may choose one of two options: One option emphasizes theatre (see below) and the other emphasizes communication (see Department of Communication). Both options meet state certification requirements for Speech and Theatre Education.
   1. Core: COM 322(3), 532(3), 534(3), 536(2); THE 130(3), 150(2), 151(1), 222(3), 323(3), 430(3); MED 120(3)
   2. **Theatre Option:** THE 122(3), 224(1), 250(2), 251(1), 255(3), 260(2), 261(1), 530(3), 541(3), 542(3); THE 505(3) or 506(3) or 515(3)
   3. Public Affairs Capstone Experience will be fulfilled by completion of THE 491(6).
C. Professional Education Courses. Note: A grade of “C” or better in each course is required for state certification.
   1. THE 417(3), THE 490(6), THE 491(6)
   2. Professional Education Required Core and Competencies - see Teacher Education Program
D. General Baccalaureate Degree Requirements
E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.
   1. at least a 2.75 GPA on all course work attempted at all colleges attended
   2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
   3. at least a 3.00 GPA in any additional certificate subject area
   4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

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Missouri State

Department of English

Programs

Indicates accelerated graduate program is available

Undergraduate

Advocacy Writing (Certificate)

Creative Writing (Minor)

English (BA, BS, Minor)

English Education (BSEd)

English for Speakers of Other Languages - ESOL (Minor)

Folklore (Minor)

Professional Writing (BA, BS)

Rhetoric and Argument Writing (Certificate)

Teaching English to Speakers of Other Languages (Minor)

Technical Writing (Minor)

Writing (Minor)

Graduate

English (MA)

Secondary Education with an option in English (MSEd)

Teaching English to Speakers of Other Languages (Certificate)

Teaching of Writing K-12 (Certificate)

Technical and Professional Writing (Certificate)

Writing (MA) Accelerated Master's option available in Technical/Professional Writing Track

Accreditations

- Missouri Department of Elementary and Secondary Education – English (BSEd); Secondary Education/English (MSEd)
- Council for the Accreditation of Educator Preparation – English (BSEd); Secondary Education/English (MSEd)

Program requirements and restrictions

Placement requirement

An ACT English score of 18 or higher or an SAT English score of 471 or higher will meet the prerequisite for enrolling in ENG 110. Students with an ACT English score of 17 or lower or an

Contact

Interim department head

Linda Moser, PhD

Office

Siceluff Hall, Room 215

Phone

417-836-5107

prerequisite for enrolling in ENG 110. Students with an ACT English score of 17 or lower or an SAT English score of 470 or lower must enroll in ENG 100.

Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

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https://www.missouristate.edu/registrar/catalog/dept_en.html

Missouri State

English Faculty

Distinguished professors

James S. Baumlin, PhD

Joel D. Chaston, PhD

Professors

W. D. Blackmon, PhD

Lanette L. Cadle, PhD

Marcus S. Cafagña, MFA

Matthew S. Calihman, PhD

Rachelle L. Darabi, PhD

Keri R. Franklin, PhD

Judith A. John, PhD

Etta M. Madden, PhD

Linda T. Moser, PhD

Yili Shi, PhD

Margaret E. Weaver, PhD

Shannon R. Wooden, PhD

Associate professors

Michael G. Czyniejewski, MFA

Catherine M. English, PhD

Lyn F. Gattis, PhD

Rachel R. Gholson, PhD

Kenneth M. Gillam, PhD

Andrea B. Hellmann, EdD

Marianthe V. Karanikas, PhD

Lanya M. Lamouria, PhD

Rhonda J. Stanton, PhD

Alan S. Tinkler, PhD

Assistant professors

Heidi Hadley, PhD

Jonathan M. Newman, PhD

Leslie Seawright, PhD

Suneeta Thomas, PhD

Visiting assistant professor

Angela B. Bell, Phd

Senior instructors

Sara J. Burge, MFA

Mara W. Cohen Ioannides, MA

Tracy L. Dalton, MA

Earl G. Holmer, MA

Jennifer L. Murvin, MFA

Angelia M. Northrip-Rivera, MA

Lori E. Rogers, MA

John R. Turner, MA

Instructors

Joel W. Coltharp, MA

Judy D. Tarbox, PhD

Emeritus faculty

Mary F. (Tita) Baumlin, PhD

Robert D. Beckett, PhD

Linda G. Benson, PhD

R. Magdelena Berry, MA

Christina Biava, PhD

Phyllis Bixler, PhD

John Clark Closser, PhD

Carter M. Cramer, PhD

Michael Ellis, PhD

Wesley E. Hall, EdD

D. Leigh Henson, PhD

Donald R. Holliday, PhD

James T. Jones, PhD

Richard L. Neumann, PhD

Virginia Scott-Hendrickson, MA

Harriet E. Shirley, MA

Mark Trevor Smith, PhD

Roland E. Sodowsky, PhD

Jean Stringam, PhD

Kristene S. Sutliff, PhD

Myron L. Taylor, PhD

Richard M. Turner, PhD

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Missouri State

Office of the Registrar
Undergraduate Catalog

English Courses

English (ENG) courses

ENG 100 Introduction to College Composition

Required of some students as determined by placement score. An introduction to the composition sequence: the purposes of whole compositions, the processes that lead to finished compositions, and the parts that combine to create compositions. Cannot be used as elective credit on any major or minor offered by the department and cannot count toward hours required for graduation. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 110 Writing I

Prerequisite: appropriate placement score or ENG 100.

General Education Course (Focus on Written Communication and Information Literacy).

An introduction to college-level writing in which students develop critical reading and writing skills. The emphasis in reading has students locating, evaluating, and synthesizing information in an analytical and ethical manner. The emphasis in writing develops students' understanding of the ways writers generate and express ideas of different purposes to various kinds of audiences across a range of context, including social, academic, and professional. Students work on argumentation, rhetorical analysis, and editing for clarity, style, and conventions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	ENGL 100 - Composition I.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

ENG 131 Introduction to Careers in Technical and Professional Writing

Survey of career possibilities and the job market in technical and professional writing. Consideration of document types, formats, conventions, and development processes including discourse strategies, technology tools, collaborative writing, legal and ethical obligations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Spring

1	1	0	Spring

ENG 184 Mini Literature

Topics in literature, such as detective fiction, Missouri writers, new fiction. Check semester class schedule for topics offered. Course may be repeated, provided topic and title are different, to a maximum of 6 hours. May be counted toward General Education Humanities requirement for those following a general education catalog prior to fall 1997. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

ENG 190 Language Skills

Development of specific writing skills in selected areas of composition, such as sentence grammar and structure, punctuation and capitalization, spelling, diction and dictionary use, outlining and organization. Not a composition course. Check semester class schedule to determine topics being offered. Course may be repeated, provided topic and title are different, to a maximum of 3 hours. Will not satisfy the general education requirement in English. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

ENG 191 Grammar Skills

Development of specific skills in American English grammar (including sentence structure, punctuation, capitalization, spelling, and diction). Students will explore and discuss grammar and usage in written communication. Not a composition course. Cannot be used to satisfy any General Education requirement in English or any requirement in the Bachelor of Science in Education degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

ENG 200 Great Books and Instant Classics

General Education Course (Focus on Humanities).

The works that society calls its "great books" tell us much about how the society views itself. Popular forms of linguistic expression, though sometimes less celebrated, similarly reflect a culture's sense of itself. Examining a range of texts, time-honored and otherwise, from numerous critical perspectives, this course explores how literatures reflect the values of the societies that create and enjoy them. Appropriate for students in all majors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring, Summer	LITR 100 - Introduction to Literature.



Access the CORE 42 portal

ENG 201 Public Issues in Popular Culture

Prerequisite: 12 hours.

General Education Course (Focus on Public Issues).

A writing-intensive course that examines contemporary public issues through a variety of cultural expressions, from fiction, poetry, television and comics, to political discourse, folklore, web-based media, and song lyrics, among other popular genres. Exploring issues from these multiple viewpoints, the course will investigate the various underlying value systems that both inform the rhetorical construction of the texts and influence the attitudes and behaviors of their readers.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 203 Creative Writing: Poetry

Prerequisite: ENG 110.

General Education Course (Focus on the Arts).

Introduction to the theory, art, cultural context, craft, and process of poetry writing. Analysis of the full stylistic range of the modern poem and practical experience in writing in the form, with focus on the process form of writing through revision and the collaborative workshop experience.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring, Summer	PERF 106P - Creative Writing-Poetry.

Access the CORE 42 portal

ENG 205 Creative Writing: Nonfiction

Prerequisite: ENG 110.

General Education Course (Focus on the Arts).

A study of the key characteristics of creative nonfiction, including an introduction to the evolving forms of text classified as creative nonfiction. Practice in writing prose with a focus on collaborative workshops and revision. Emphasis on the creative interpretation of complex thoughts and human experiences.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring, Summer	PERF 106NF - Creative Writing-Nonfiction.

Access the CORE 42 portal

ENG 210 Writing II: Writing Across the Disciplines

Prerequisite: 30 hours and ENG 110 or equivalent.

General Education Course (Focus on Written Communication and Integrative and Applied Learning).

Practice in the writing and research of various disciplinary fields of study; experience with integrating and applying academic forms to specific problems and situations. Includes the study of ways knowledge is made and expressed in various disciplines.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	ENGL 200 - Composition II.

Access the CORE 42 portal

ENG 215 Creative Writing: Short Story

Prerequisite: ENG 110.

General Education Course (Focus on the Arts).

Introduction to the theory, art, cultural context, craft, and process of short story writing. Analysis of the full stylistic range of the modern short story and practical experience in writing in the form, with focus on the process form of writing through revision and the collaborative workshop experience.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring, Summer	PERF 106F - Creative Writing-Fiction.

Access the CORE 42 portal

ENG 216 Introduction to the Graphic Novel

Prerequisite: ENG 110.

Introduction to the literature, theory, technique, and terminology of graphic narrative and practical experience in the writing of graphic narrative.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 221 Writing II: Writing for the Professions

Prerequisite: 30 hours and ENG 110 or equivalent.

General Education Course (Focus on Written Communication and Integrative and Applied Learning).

Students apply discipline-specific knowledge to a variety of writing situations encountered by professionals: correspondence, proposals, documented research reports, abstracts, definitions, product and process descriptions. Projects emphasize developing skills in audience analysis, including multicultural considerations; analytical reading; critical thinking; research methods; and clear writing, with attention to the ethical dimensions of workplace writing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent

3 **Credit hours**	3 **Lecture contact hours**	0 **Lab contact hours**	Fall, Spring **Typically offered**	ENGL 200 - Composition II. **CORE 42 (MOTR) equivalent**



Access the CORE 42 portal

ENG 222 Writing for Social Change

Prerequisite: 12 hours, and ENG 110 or equivalent.

General Education Course (Focus on Public Issues).

Students examine the persuasive power of language to effect social change. Through the analysis of key historic texts, students identify effective writing techniques. Students articulate creative, researched, and well-reasoned solutions to socially relevant problems. Projects include blogs, proposals, op-ed pieces, and social-media strategies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 225 Creative Writing: Playwriting

Prerequisite: ENG 110.

Problems in playwriting.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 235 Critical Approaches to Literature

Prerequisite: ENG 110.

Writing analytical papers employing a variety of critical methods of reading and interpreting poetry, fiction, and drama.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 282 Literature by Women

General Education Course (Focus on Humanities).

Students will read literature by women from various cultures, continents, and historical periods. Course explores how female experience is shaped by cultural contexts as well as how women authors have used writing to change societies' ideas about women and men. Emphasis is on basic elements of literary study and of feminist analysis. Coursework includes discussion, exams, and short papers. Appropriate for students in all majors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	LITR 106 - Women's

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	Literature. CORE 42 (MOTR) equivalent

Access the CORE 42 portal

ENG 283 Folklore and Cultural Engagement

General Education Course (Focus on Humanities).

Reading and examination of oral, nonverbal, and written tradition as expressions of culture, introduction of folklore research methods; the major genres of folklore including folk narrative, folk song, and material culture; and folklore's influence on perceptions and behaviors from the personal to cultural and international levels.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 285 Subjects in Folklore

Prerequisite: ENG 110.

Reading and examination of folklore, as folk art and as cultural holding material; study may focus on types (such as myth, legend, fairy tales); groups (such as miners, cowboys, railroaders); or regions (such as Ozarks, New England, or Scandinavia). Student requests will be considered. May be repeated to a total of 6 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

ENG 287 Life Stages in Literature

Prerequisite: ENG 110.

Study of poetry, fiction, drama, biography, and autobiography selected to explore how factors such as historical era, ethnicity, religion, social class, family structure, and gender shape one's experience of life stages; emphasis on class discussion and various kinds of writing, some of it autobiographical; an introductory literature course for English majors and non-majors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 289 Literature, Culture, and Conflict

General Education Course (Focus on Cultural Competence).

This course explores how literature imagines cultural identities, conflicts within and between cultural groups, and efforts to resolve these conflicts. For the purposes of this course, culture will be understood in terms of such categories as nation, region, language, race, ethnicity, religion, social class, family structure, gender, sexuality, age, and disability. Through the critical analysis of literature and through personal reflection on literary texts, students will learn to recognize, describe, and understand their own and others' cultures, the histories of these cultures, and their divergences and convergences. Students will also consider how knowledge of multiple cultures can form a foundation for

ethical decision-making and action in a variety of public arenas. Appropriate for student in all majors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	LITR 105 - Multicultural Literature.

Access the CORE 42 portal

ENG 291 Introduction to Teaching English to Speakers of Other Languages TESOL

Prerequisite: ENG 110 and 30 hours; and concurrent enrollment in ENG 300.

Introduction to basic concepts in Teaching English to Speakers of Other Languages (TESOL), including bilingualism, second language acquisition, current methods and materials used to teach ESOL, and language policy in the U.S.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Spring

ENG 296 Introduction to Linguistics

Prerequisite: ENG 110.

Introduction to fundamental concepts of linguistic theory as they apply to languages of the world, especially English. Areas covered include phonology, morphology, syntax, and semantics, and some applied areas, such as language variation, change, and acquisition, disorders, and language and culture. Students cannot receive credit for both ENG 296 and ENG 591.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 300 Service Learning in English

Prerequisite: 30 hours and concurrent registration in an English course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in English. It provides an integrated learning experience, addressing the practice of citizenship and promoting an awareness of and participation in public affairs. It includes 40 hours of service that benefits an external community organization, agency or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

ENG 301 Seminar in English Studies and Public Affairs

Prerequisite: ENG 235; and must be taken in the senior year or by permission (with a minimum of 75 hours completed).

Explores how literature shapes and is shaped by public debates, cultural heritages, and community needs. Course Unit 1, "Writers, Writing, and Leadership," examines writers' and literary institutions' interventions in crises of leadership, types of writing that have developed to fill voids in leadership, and/or, literary representations of leadership. Unit 2, "Writing Cultures and Intercultural Encounters," considers writers' efforts to imagine or represent cultures and cross-cultural relations. Unit 3, "Texts and Their Communities," focuses on the relations between texts and their audiences, the development of literary communities and institutions, and/or the process of writing or editing a text for a particular local community. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 302 English Transfer Student Orientation

Designed to acclimate transfer students into the English Department by helping them to achieve academic success and by integrating the public affairs mission into their studies. For sophomore, junior, and senior transfer students with declared English Department majors during their first two semesters at Missouri State who have not taken GEP 101/UHC 110. Transfer students with declared English minors are also eligible to enroll. Cannot be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

ENG 303 Creative Writing: Poetry II

Prerequisite: ENG 203.

An intermediate course, aimed at developing skills and extending knowledge begun in ENG 203.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 305 Creative Writing: Nonfiction II

Prerequisite: ENG 205.

Intermediate study in the nonfiction genre. Variable content course with a focus in a specific subgenre of nonfiction, such as memoir, travel writing, personal cultural criticism, and narrative nonfiction. Students will read and analyze works and write within the subgenre. May be repeated to a total of 6 hours when the topic varies. Approved Recurring Topic: Memoir. Focused study of the craft of memoir. This course will introduce students to the various subgenres of memoir, including book-length memoir, graphic memoir, flash nonfiction, and traditional short memoir as published in literary magazines or collections, to prepare students' writing for a variety of opportunities in literary publication. Students will participate in a workshop environment to develop original memoirs. Approved Recurring Topic: Narrative Nonfiction. Focused study of the craft of narrative nonfiction. This course will introduce students to the various characteristics of narrative nonfiction, including book-length and shorter works. Students will participate in a workshop environment to develop original works of narrative nonfiction.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 310 Writing II: Writing for Graduate and Professional Schools

Prerequisite: 45 hours and ENG 110 or equivalent.

General Education Course (Focus on Written Communication and Integrative and Applied Learning).

Practice in writing genres common to both graduate and graduate/professional school writing, including documented research writing and proposals (including significant work examining current problems through cross-disciplinary viewpoints), letters of application, admission essays, and vitae.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 312 Introduction to Shakespeare

Prerequisite: ENG 110.

Selected representative plays and poems of Shakespeare.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 315 Creative Writing: Fiction II

Prerequisite: ENG 215.

Intermediate-level work in short story writing. Introduction to the theory, techniques, and terminology of novella and novel writing. Individual conferences.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 316 Graphic Narrative II

Prerequisite: ENG 216 or permission of instructor.

Intermediate study in the literature and technique of graphic narrative and practical experience in writing and illustrating comics. Identical with ART 320. Cannot receive credit for both ENG 316 and ART 320.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 321 Writing II: Beginning Technical Writing

Prerequisite: 45 hours and ENG 110 or equivalent.

Prerequisite: 45 hours and ENG 110 or equivalent.

General Education Course (Focus on Written Communication and Integrative and Applied Learning).

Experience in community engagement through client-based projects in which students synthesize information and apply skills learned in this and other classes. Using primary and secondary research, students solve problems by developing employment materials, brochures, instructions, graphics, manuals, or other professional documents. Emphasis on audience analysis, including multicultural considerations, as well as on presenting information clearly, concisely, and ethically in both prose and visuals.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 322 Advanced Writing for Social Change

Prerequisite: ENG 222.

Students will expand upon advocacy writing principles learned in ENG 222 by creating materials to address social problems. Students will evaluate advocacy campaigns of existing nonprofit organizations. Students will create advocacy materials through an integrated service learning experience.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 325 Creative Writing Playwriting II

Prerequisite: ENG 225.

Intermediate-level work in playwriting. Analysis of dramatic structure. Practice in writing one-act and full-length scripts. Workshop staged readings of student scripts. Marketing strategies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 326 Advanced Argument Writing

Prerequisite: 12 hours.

Study and practice in developing persuasive written argument through the use of rhetorical strategies to articulate various positions to specific audiences. Focus on the understanding and use in writing of evidence, experience, opinion, and reasoning, including an understanding of several rhetorical strategies such as burden of proof; generalization; analogy; authority; equivocation; oversimplification; slippery slope and ad hominem argument.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 330 Studies in Literature

Prerequisite: ENG 110.

Examination of literary modes such as humor, satire, fantasy, tragedy, or genres such as essay, short story, biography. May be repeated for up to 6 hours with variable topics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 334 Literature for Children

Prerequisite: ENG 110.

Study of various genres-poetry, picture books, traditional stories, modern realistic and fantasy fiction, nonfiction--appropriate for early childhood and elementary grades; criteria for selection. Satisfies a requirement for Early Childhood and Elementary Certification.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 336 Literature for Middle School

Prerequisite: ENG 110.

Study of various genres-poetry, illustrated books, modern realistic and fantasy fiction, drama, nonfiction--appropriate for middle school (grades 5-9); criteria for selection.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 338 Literature for Young Adults

Prerequisite: ENG 110 and 60 hours.

Study of various genres-poetry, realistic and fantasy fiction, nonfiction, drama, film--appropriate for secondary school; criteria for selection. Satisfies a requirement for Secondary English Certification.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 339 Writing for Children and Young Adults

Prerequisite: ENG 110.

Introductory practice writing in genres such as literary folk tales, fantasy, realistic fiction, nonfiction, picture book texts, and poetry for young readers at different stages of maturity. Emphasizes the writing process as well as the final product.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 340 Survey of English Literature I

Prerequisite: ENG 110.

Representative authors, movements, ideas, and styles in English literature from the beginning to 1790.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	LITR 102A - British Literature-Beginning to 18th Century.

Access the CORE 42 portal

ENG 341 Survey of English Literature II

Prerequisite: ENG 110.

Representative authors, movements, ideas, and styles in English literature from 1790 to the present.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	LITR 102B - British Literature-Late 18th Century to the Present.

Access the CORE 42 portal

ENG 350 Survey of American Literature I

Prerequisite: ENG 110.

Representative authors, movements, ideas, and styles in American literature from the beginning to 1870.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	LITR 101A - American Literature-Pre Civil War.

Access the CORE 42 portal

ENG 351 Survey of American Literature II

Prerequisite: ENG 110.

Representative authors, movements, ideas, and styles in American literature from 1870 to the present.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	LITR 101B - American Literature-Post Civil War.

Access the CORE 42 portal

ENG 354 Ethnic American Literature

Prerequisite: ENG 110.

Study of representative literary works by African American, Hispanic American, Native American, or other minority authors. May be repeated to a total of 6 hours if topic is different. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 355 African-American Literature

Prerequisite: ENG 110.

Survey of representative works of fiction, poetry, personal narratives, and essays in the context of social and cultural movements.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 360 Survey of European Literature I

Prerequisite: ENG 110.

European literature beginning with the Bible and Greek works, and ending at 1700. (Excludes British literature)

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 361 Survey of European Literature II

Prerequisite: ENG 110.

European literature from 1700 to the present. (Excludes British literature)

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 362 Non-European World Literature

Prerequisite: ENG 110.

Literature from all areas (except literature of England, Western Europe, and the United States). Variable content course. May be repeated to a total of 6 hours if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Upon demand	LITR 200 - World Literature.

Access the CORE 42 portal

ENG 363 Introduction to African Literature

Prerequisite: ENG 110.

Survey of representative works of fiction, poetry, drama, folklore, personal narratives, and essays from various countries on the African continent written in or translated into English.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 366 Popular Fiction

Prerequisite: ENG 110 or equivalent.

Reading and discussion of such popular fiction genres as detective/crime, romance, sci-fi/fantasy, horror, Western, and/or espionage. Some attention to these fictions' histories, connections to other popular culture, and relationships to "literary" fiction

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 373 Writing with Technology

Prerequisite: ENG 110 or equivalent; and 45 hours.

Explores the ethical use of software and hardware tools that professional writers use in the workplace to create and distribute technical information. Students will produce projects to gain a hands-on understanding of the tools used in developing online help and printed documentation, working with graphics, and other relevant areas.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 377 Scientific and Technical Editing

Prerequisite: ENG 110 and 60 hours.

The process of creating a new piece of writing by clarifying, reducing, expanding, and synthesizing materials written by others. Emphasis on audience adaptation; professional ethics; and document organization, style, and mechanics through a client-based editing project. Focus on building author-editor relationships while managing the editing cycle.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 385 Ozarks Traditions

Prerequisite: ENG 283.

The course will introduce elements of folklore theory applicable to museum and performance presentation, and include reading and examination of folk worlds within the Ozarks context. Major genres covered may include ballad, legend, folk tale, and folk song.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 386 Literature of the Ozarks

Prerequisite: ENG 110.

Survey of representative works of fiction and poetry focusing on the Ozarks or Ozarks characters.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 390 Modern English Grammar

Prerequisite: 60 hours.

The structure of American English, with emphasis on current descriptive approaches to English grammar.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 405 Teaching of Middle and High School English

Prerequisite: 30 hours in English, admitted to teacher education program, and ENG 521.

Students will study theoretical perspectives about the teaching of English and develop methods for teaching and assessing literature, the English language, and media in middle and secondary English classrooms. Particular emphasis will be placed on designing units of study. A required clinical field experience under the instruction of faculty and mentorship of an experienced English classroom teachers will provide

students with opportunities to engage in a cycle of planning instruction, teaching, assessing student learning, gathering feedback about the effectiveness of their instructional decision-making, and reflecting in order to adjust future instruction and professional interactions. Credited only on BSEd (Secondary). A grade of "C" or better is required in this course in order to take ENG 432 or ENG 433. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	4	2	Fall, Spring

ENG 421 Advanced Technical Writing

Prerequisite: ENG 321.

Practice in planning and managing projects. Emphasis is researched-based audience analysis, document design, and usability testing, including ethical considerations. Students complete a client-based design project and supporting documents. Emphasis on practical and marketable skills. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 422 Career Focus in Professional Writing

Prerequisite: ENG 373 and ENG 377 and ENG 421.

A capstone course emphasizing reflection and synthesis of concepts from previous courses. Focus on skills associated with the smooth transition from an academic study of professional writing to the professional workforce. Students prepare a portfolio that demonstrates their integration of course and program outcomes and complete individual research projects related to the three pillars of the Public Affairs mission, including topics ranging from ethical and legal issues to globalization and localization. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 432 Supervised Teaching (Secondary English)

Prerequisite: ENG 405; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in ENG 433.

Student observes then teaches English classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5-6			Fall, Spring

ENG 433 Supervised Teaching (Secondary English)

Prerequisite: concurrent enrollment in ENG 432.

Student observes then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities and attends both individual and group conferences. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5-6			Fall, Spring

ENG 434 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

ENG 435 Advanced Literary Theory: From Antiquity to the Present

Prerequisite: 60 hours.

Literary theory from antiquity to the present. Emphasis on history and application of contemporary literary theories / schools to writing about literature and culture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 455 African-American Drama

Prerequisite: ENG 110 and 60 hours.

Study of intersections of dramatic art and politics including survey of theatrical styles such as realism, surrealism, agit-prop, and theatre-of-the-absurd.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 464 English Studies Internship

ENG 464 English Studies Internship

Prerequisite: declared major or minor in the Department of English and permission of Internship Coordinator.

Supervised work experience related to English studies. Meeting minimum prerequisite requirements does not guarantee internship approval. Students are required to work a minimum of 45 hours for each credit hour. Students must submit applications no later than one month prior to the beginning of the semester in which they undertake the internship. Cannot be repeated more than 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

ENG 473 Writing with Technology II

Prerequisite: ENG 373.

Builds on concepts students learn in ENG 373. Students will gain hands-on practice working with more-advanced tools and features that professional writers use to produce technical documents. Topics may include, but are not limited to, desktop publishing, web-page creation, single sourcing, and accessibility.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 483 Folklore and Literature

Prerequisite: ENG 283.

Reading and examination will emphasize folklore as a definitive characteristic of varied North American literary texts. Fictional, visual, and audio texts may be examined. This course will offer readings focusing on Folklore in Literature (e.g., Children's Literature, Local Color Literature), literature presenting immigrant, ethnic, and social groups of North American regions such as the Ozarks, Appalachians, or Maritimes, or other topics of student interest.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 485 Study of American Folklore

Prerequisite: ENG 110.

Introduction to what folklore is, its types, why it varies between folk worlds; basic folklore research methods. Influence of folklore on other forms of literature.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 487 Analysis of Scientific Literature

Prerequisite: ENG 110 and 60 hours.

Examines the history and development of scientific writing. Students survey a broad selection of scientific literature to better understand the cultural and ethical implications of science writing as they apply to both the field of scientific and technical writing and the broader society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 491 History of the English Language

Prerequisite: 60 hours.

Historical development of the English language from its Indo-European roots to present-day American English. Considers written language as a source of evidence, language as a cultural artifact, and the dynamics of linguistic/cultural contact.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 494 Dialects of American English

Prerequisite: 60 hours.

Regional, social, and ethnic variation in American English. Incorporates linguistic geography and sociolinguistic approaches, and considers relevant political and educational issues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 500 Advanced Writing: Nonfiction

Prerequisite: ENG 305 or ENG 321.

Group discussion and criticism. Individual writing projects. Students lacking a course prerequisite must submit two manuscripts for consideration when applying for permission. May be organized around one or more of the following nonfiction genres: creative nonfiction, magazine writing, and popular science writing. May be repeated for a total of 6 hours. May be taught concurrently with ENG 604. Cannot receive credit for both ENG 604 and ENG 500.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 501 Advanced Writing: Fiction

Prerequisite: ENG 315.

Group discussion and criticism. Individual writing projects. Students lacking the course prerequisite must submit two manuscripts for consideration when applying for permission to enroll in the course. May be repeated to a total of 6 hours. May be taught concurrently with

consideration when applying for permission to enroll in the course. May be repeated to a total of 6 hours. May be taught concurrently with ENG 601. Cannot receive credit for both ENG 601 and ENG 501.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 503 Advanced Writing: Poetry

Prerequisite: ENG 303.

Group discussion and criticism. Individual writing projects. Students lacking the course prerequisite must submit two manuscripts for consideration when applying for permission to enroll in the course. May be repeated to a total of 6 hours. May be taught concurrently with ENG 607. Cannot receive credit for both ENG 607 and ENG 503.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 505 Methods in Teaching English to Speakers of Other Languages TESOL

Prerequisite: ENG 595.

Contemporary approaches to teaching grammar, reading, writing, listening, and speaking for students who are learning English as a second language. Includes material design, development, and evaluation; student assessment; integration of all components into a unified TESOL curriculum. May be taught concurrently with ENG 605. Cannot receive credit for both ENG 605 and ENG 505.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 506 Advanced Writing: Drama

Prerequisite: ENG 225.

Group discussion and criticism. Individual writing projects. Students lacking a prerequisite must submit two manuscripts for consideration when applying for permission to enroll in the course. May be repeated to a total of 6 hours. May be taught concurrently with ENG 606. Cannot receive credit for both ENG 606 and ENG 506.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 508 Creative Writing Project

Prerequisite: ENG 500 or ENG 501 or ENG 503.

Directed development of a substantial work of poetry, fiction, or non-critical prose, prepared for publication. May be taught concurrently with ENG 609. Cannot receive credit for both ENG 609 and ENG 508.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 510 Chaucer

Prerequisite: 60 hours.

The Canterbury Tales and other works by Chaucer; social, historical, literary, and linguistic background of late Middle Ages. May be taught concurrently with ENG 615. Cannot receive credit for both ENG 615 and ENG 510.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 512 The British Novel

Prerequisite: 60 hours.

Works by major figures in the development of the British novel, such as Fielding, Austen, Dickens, George Eliot, Hardy, Lawrence, and Woolf; major criticism of the genre. May be taught concurrently with ENG 618. Cannot receive credit for both ENG 618 and ENG 512.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 513 Shakespeare

Prerequisite: 60 hours.

Selected plays and poems of Shakespeare, representative criticism, and Shakespeare's theatre and milieu. May be taught concurrently with ENG 613. Cannot receive credit for both ENG 613 and ENG 513.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 514 British Drama

Prerequisite: 60 hours.

Representative British plays from pre-Renaissance times to present, including such authors as Marlowe, Congreve, Wilde, and Shaw. May be taught concurrently with ENG 614. Cannot receive credit for both ENG 614 and ENG 514.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 517 The American Novel

Prerequisite: 60 hours.

Works by major figures in the development of the American Novel, such as Twain, James, Howells, Dreiser, Lewis, Hemingway, Faulkner, and Warren; major criticism of the genre. May be taught concurrently with ENG 617. Cannot receive credit for both ENG 617 and ENG 517.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 519 American Drama

Prerequisite: 60 hours.

Development of American Drama to the present; emphasis on 20th century, including such authors as O'Neill, Wilder, Hellman, Williams, Miller, and Albee; major criticism of the genre. May be taught concurrently with ENG 619. Cannot receive credit for both ENG 619 and ENG 519.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 520 Composition and Rhetoric in High School and Junior College

Prerequisite: ENG 235; and admitted to the Teacher Education Program.

A survey of current writing and evaluation practices. Training in the teaching and evaluating of oral and written composition. The student will have an opportunity to examine methods currently taught in area high schools. May be taught concurrently with ENG 629. Cannot receive credit for both ENG 629 and ENG 520.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 521 Writing for Teachers

Prerequisite: 60 hours.

A course intended to develop the writing of prospective and in-service teachers and to explore the means by which writing can be encouraged, developed, and assessed. May be taught concurrently with ENG 631. Cannot receive credit for both ENG 521 and ENG 631.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 523 Writing Center Theory and Practice

Prerequisite: 60 hours.

Collaborative workshop designed to prepare individuals for teaching one-to-one in a writing center environment. May be taught concurrently with ENG 623. Cannot receive credit for both ENG 623 and ENG 523.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 525 History of Rhetoric

Prerequisite: 60 hours.

Study of historical trends important to the development of written discourse and writing instruction. Survey of theory from classical antiquity through the nineteenth century. May be taught concurrently with ENG 627. Cannot receive credit for both ENG 627 and ENG 525.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 526 Modern Rhetorical Theory

Prerequisite: 60 hours.

A continuation of ENG 525. Study of twentieth-century rhetorical theory and its applications in literary criticism, literacy, technical writing, and/or composition. May be taught concurrently with ENG 628. Cannot receive credit for both ENG 628 and ENG 526.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 533 Studies in Children's Literature

Prerequisite: 60 hours.

A study of significant themes (such as gender, ethnicity, or childhood) or genres (such as children's poetry, the picture book, and the literary folktale and historical fiction) in literature for the young. May be repeated when content varies. May be taught concurrently with ENG 633. Cannot receive credit for both ENG 633 and ENG 533.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 534 Historical Perspectives in Children's Literature

Prerequisite: 60 hours.

Study of one or more periods in the historical development of children's literature, such as the Golden Age of children's classics, twentieth-century British children's literature, and the novels for children since 1950. Variable content course. May be repeated when content varies. May be taught concurrently with ENG 634. Cannot receive credit for both ENG 634 and ENG 534.

May be taught concurrently with ENG 636. Cannot receive credit for both ENG 636 and ENG 536.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 536 Young Adult Novel

Prerequisite: 60 hours.

Study of various kinds of novels written for young people; includes historical perspectives; emphasizes developments since the "New Realism" of the 1960s. May be taught concurrently with ENG 636. Cannot receive credit for both ENG 636 and ENG 536.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 539 Advanced Writing for Children and Young Adults

Prerequisite: ENG 339.

Group discussion and criticism. Individual writing projects. Students lacking the course prerequisite must submit two manuscripts for consideration when applying for permission to enroll in the course. May be taught concurrently with ENG 639. Cannot receive credit for both ENG 639 and ENG 539.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 541 Renaissance Literature

Prerequisite: 60 hours.

Sidney, Spenser, Donne, Milton, and other major non-dramatic writers; literary developments, 1500-1660. May be taught concurrently with ENG 641. Cannot receive credit for both ENG 641 and ENG 541.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 543 Restoration and 18th Century Literature

Prerequisite: 60 hours.

Dryden, Swift, Pope, Johnson, and other significant writers; literary developments, 1660-1798. May be taught concurrently with ENG 643. Cannot receive credit for both ENG 643 and ENG 543.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 544 British Romantic Literature

Prerequisite: 60 hours.

Blake, Wollstonecraft, Dorothy Wordsworth, William Wordsworth, Coleridge, Byron, Mary Shelley, Percy Bysshe Shelley, Keats; cultural backgrounds and literary developments, 1798-1837. May be taught concurrently with ENG 642. Cannot receive credit for both ENG 642 and ENG 544.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 546 Victorian Literature

Prerequisite: 60 hours.

Tennyson, Browning, the Rossettis, Hardy, and other British Victorian writers; literary developments, 1837-1901. May be taught concurrently with ENG 646. Cannot receive credit for both ENG 646 and ENG 546.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 547 Modern British Literature

Prerequisite: 60 hours.

Significant works from several genres by authors such as Conrad, Yeats, Greene, Lessing, and Stoppard; literary developments, 1901-present. May be taught concurrently with ENG 645. Cannot receive credit for both ENG 645 and ENG 547.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 548 Major British Authors

Prerequisite: 60 hours.

Study of several major works by one or two British writers, such as Marlowe and Jonson, Johnson and Boswell, George Eliot and Hardy, Yeats and T.S. Eliot, Amis and Larkin; the intellectual milieu of their works. May be taught concurrently with ENG 649. Cannot receive credit for both ENG 649 and ENG 548.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 551 Literary Publication

Prerequisite: ENG 303 or ENG 315 or ENG 325.

Practical experience with the literary publication process, including the editing work that goes into literary journals and the process of submitting and publishing creative work. Students will be introduced to such various aspects of the literary market and other opportunities for creative writers, as conferences and writing workshops. Students will learn about the publishing process through such University publications projects as the English Department's Moon City Press. May be taught concurrently with ENG 651. Cannot receive credit for both ENG 551 and ENG 651.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 553 American Romantic Literature

Prerequisite: 60 hours.

Significant works from several genres by authors such as Cooper, Poe, Irving, Thoreau, Emerson, Hawthorne, Melville, and Whitman; literary developments to 1855. May be taught concurrently with ENG 652. Cannot receive credit for both ENG 652 and ENG 553.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 554 Topics in Ethnic American Literature

Prerequisite: 60 hours.

Focus on one or more of the following: African American literature, Asian American literature, Latina/o literature, Native American literature, the literatures of European American immigrant groups, and relevant literary criticism. May be repeated up to 6 hours if content varies. May be taught concurrently with ENG 654. Cannot receive credit for both ENG 554 and ENG 654, for the same course content.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

ENG 557 American Realism

Prerequisite: 60 hours.

Significant works from several genres by authors such as Twain, Howells, James, Crane, and Frost; literary developments, 1855-1914. May be taught concurrently with ENG 656. Cannot receive credit for both ENG 656 and ENG 557.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 558 Major American Authors

Prerequisite: 60 hours.

Study of several major works by one or two writers, such as Emerson and Thoreau, Frost and Dickinson, Sexton and Lowell; the intellectual milieu of their works. May be repeated when content varies. May be taught concurrently with ENG 661. Cannot receive credit for both ENG 661 and ENG 558.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 559 Modern American Literature

Prerequisite: 60 hours.

Significant works from several genres by authors such as Fitzgerald, Hemingway, Lowell, Roethke, Bellow, and O'Connor; literary developments, 1914-present. May be taught concurrently with ENG 659. Cannot receive credit for both ENG 659 and ENG 559.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 562 Contemporary American Poetry/Fiction

Prerequisite: 60 hours.

A survey of contemporary American poetry or fiction, which encompasses a selection of significant authors and traces the history and development of various literacy theories, schools and movements, from New Criticism through more recent trends in both narrative and lyric modes (poetry) and Post-Modern narrative techniques (fiction). Variable content course. May be repeated up to 6 hours if topic is different. May be taught concurrently with ENG 662. Cannot receive credit for both ENG 562 and ENG 662 unless topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 563 Literature and Medicine

Prerequisite: 60 hours.

This course examines literary representations of health and illness, ability and disability, and cultural practices of healing. Drawing on major theoretical movements in medical humanities, students will situate literary texts within the ethical situations and institutional structures of their community and culture. May be taught concurrently with ENG 663. Cannot receive credit for both ENG 563 and ENG 663.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 564 Place-Conscious Reading and Writing

This course emphasizes the study of place, specifically, enacting literacy practices focused upon the cultural, economic, and environment

sustainability of a learning locale. Students will also explore local networking strategies and ways of spurring public action to improve their own literacy and the literacy of their students at the local or regional level. May be taught concurrently with ENG 664. Cannot receive credit for both ENG 564 and ENG 664.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (even-numbered years)

ENG 565 Literature and Language Workshop

Prerequisite: 60 hours.

Variable topics related to the use of writing and literature in the classroom. Number of class hours determined by length of workshop. May be repeated for a total of 6 hours. May be taught concurrently with ENG 665. Cannot receive credit for both ENG 665 and ENG 565.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

ENG 568 Major World Authors

Prerequisite: 60 hours.

Study of several major works by one or two writers, such as Aristophanes and Sophocles; Ibsen and Strindberg; the intellectual milieu of their works. May be repeated when content varies. May be taught concurrently with ENG 668. Cannot receive credit for both ENG 668 and ENG 568.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 570 Writing in the Health Professions

Prerequisite: 60 hours; and ENG 321 or ENG 310 or NUR 472 or equivalent.

Rhetorical analysis and production of a broad range of document genres, including public health campaigns, grant proposals, medical reports, and patient information materials. Students research and present their findings on current issues in the field. Emphasis on audience analysis, document design principles, and ethical considerations. May be taught concurrently with ENG 678. Cannot receive credit for both ENG 678 and ENG 570.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 572 Writing Grant Proposals

Prerequisite: Writing II and 60 hours.

Studying and applying basic elements of grant-proposal writing, including identifying potential funding sources, aligning projects with goals

Studying and applying basic elements of grant proposal writing, including identifying potential funding sources, aligning projects with goals of funders, writing a compelling statement of need, and establishing a credible method of accomplishing goals as well as a reasonable budget and timeline. Emphasis on tailoring proposals to prospective funders in concise, persuasive writing. May be taught concurrently with ENG 672. Cannot receive credit for both ENG 572 and ENG 672.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 573 Writing for the Web

Prerequisite: 60 hours.

Explores the professional writer's role in creating web pages and sites designed to deliver information. Topics include planning, user analysis, organization, structure, presentation, content development, writing style, and accessibility accommodation. May be taught concurrently with ENG 679. Cannot receive credit for both ENG 573 and ENG 679.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 574 Technical Writing Internship

Prerequisite: ENG 421 and permission of instructor.

Projects in technical writing, combining academic training and supervised work experience in business, industry, government, academia, or nonprofit organizations. Students are required to work a minimum of 135 hours. May be taught concurrently with ENG 694. Cannot receive credit for both ENG 694 and ENG 574. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 575 Topics in Professional Writing

Prerequisite: ENG 421 and 60 hours.

Covers a single topic within the field of professional writing. The subject will vary according to student demand and faculty availability. Examples include writing for the legal profession, writing proposals, regulatory writing, developing training materials, and ethics in professional writing. Approved Recurring Course Topic: Data Displays in Technical Documents. Practice in developing data displays. Students identify appropriate data displays for given contexts, use design principles to organize and display data effectively, and evaluate data displays for accuracy and ethical presentation. May be repeated to a total of 6 hours when the topic varies. Variable content course. May be taught concurrently with ENG 684. Cannot receive credit for both ENG 684 and ENG 575 unless topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 580 Gender Issues in Language and Literature

Prerequisite: ENG 110 and 60 hours.

Consideration of gender issues from the standpoint of literary history, genre, composition/rhetoric, linguistics, or feminist theory. May be repeated to a total of 6 hours if topic is different. May be taught concurrently with ENG 682. Cannot receive credit for both ENG 682 and ENG 580.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 583 Themes in Folkloristics

Prerequisite: 60 hours.

A topical course investigating the relationship of folklore and daily life through reading and examination of the field and its genres as a global discipline. Consideration of lived-environments such as occupational, educational, and popular culture settings or themes. May be repeated to a total of 9 hours if topic is different. May be taught concurrently with ENG 683. Cannot receive credit for both ENG 683 and ENG 583.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 590 Grammatical Analysis

Prerequisite: 60 hours; and ENG 296 or ENG 390 or ENG 591.

Advanced study of English morphology and syntax using a variety of current approaches, including phrase-structure, transformational, discourse-based, and semantic-based grammars. May be taught concurrently with ENG 690. Cannot receive credit for both ENG 690 and ENG 590.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 591 Linguistic Theory

Prerequisite: 60 hours.

A specialized survey of linguistics intended for graduate and advanced undergraduate students. Areas covered include, but are not limited to, phonology, morphology, syntax, semantics, discourse, pragmatics, language change, and language variation. Students cannot receive credit for both ENG 296 and ENG 591. May be taught concurrently with ENG 691. Cannot receive credit for both ENG 691 and ENG 591.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 592 Sociolinguistics for Language Teaching

Prerequisite: 60 hours; and ENG 296 or ENG 390 or ENG 591.

Various sociolinguistic topics, with an emphasis on those relevant for language teaching, such as language altitudes; standard languages; literacy; language variation; multilingualism; language planning and policy; and language maintenance and loss. May be taught concurrently with ENG 688. Cannot receive credit for both ENG 688 and ENG 592.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 593 Studies in Linguistics

Prerequisite: 60 hours; and ENG 296 or ENG 390 or ENG 591.

Topics in linguistics including history of linguistics, language acquisition, or transformational grammars. May be repeated to a total of 9 hours if topic is different. May be taught concurrently with ENG 689. Cannot receive credit for both ENG 689 and ENG 593.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 595 Principles of Second Language Acquisition

Prerequisite: 60 hours and ENG 296 or ENG 390 or ENG 591.

The processes of both first and second language acquisition, with an emphasis on Teaching English to Speakers of Other Languages (TESOL) and bilingualism. Includes the theory behind and history of TESOL methodologies, as well as contemporary theoretical issues in TESOL. May be taught concurrently with ENG 695. Cannot receive credit for both ENG 695 and ENG 595.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 596 Materials and Assessment in Teaching English to Speakers of Other Languages TESOL

Prerequisite: 60 hours and ENG 595.

Practical and theoretical perspectives in specific areas in TESOL, including speaking, grammar, composition, and critical reading. Consideration of material design and student assessment. May be taught concurrently with ENG 696. Cannot receive credit for both ENG 696 and ENG 596.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 597 Practicum in Teaching English to Speakers of Other Languages TESOL

Prerequisite: ENG 505 and ENG 596.

Application of coursework in TESOL with individualized experience based on students' needs and background, especially in composition, grammar, and pronunciation. May be taught concurrently with ENG 697. Cannot receive credit for both ENG 697 and ENG 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

ENG 598 Early English Language and Literature

Prerequisite: 60 hours.

Special topics in Old and Middle English language and literature, including an understanding of the linguistic structure of early English, experience in working with a variety of medieval English texts, and application of various linguistic and literary theories to the study of Old and Middle English writing. May be repeated to 6 hours if topic is different. Will not count toward any teacher certification requirement. May be taught concurrently with ENG 698. Cannot receive credit for both ENG 698 and ENG 598.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 599 Advanced Seminar in Literature

Prerequisite: ENG 235, and Writing II General Education Course, and 80 hours.

Study of contemporary methodologies in literary criticism and preparation of a seminar paper, which may extend work from a previous course. Emphasis on presenting and publishing scholarly work. This course is strongly recommended for anyone considering graduate study in Literature. Graduating seniors are given enrollment priority.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 601 Advanced Writing: Fiction

Group discussion and criticism. Individual writing projects. May be repeated to a total of 6 hours. May be taught concurrently with ENG 501. Cannot receive credit for both ENG 501 and ENG 601.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 604 Advanced Writing: Nonfiction

Group discussion and criticism. Individual writing projects. May be organized around one or more of the following non-fiction genres: creative nonfiction, magazine writing, stylistics, and popular science writing. May be repeated for a total of 6 hours. May be taught concurrently with ENG 500. Cannot receive credit for both ENG 500 and ENG 604.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 605 Methods in Teaching English to Speakers of Other Languages (TESOL)

Contemporary approaches to teaching grammar, reading, writing, listening, and speaking for students who are learning English as a second language. Includes material design, development, and evaluation; student assessment; integration of all components into a unified TESOL curriculum. May be taught concurrently with ENG 505. Cannot receive credit for both ENG 505 and ENG 605.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 606 Advanced Writing: Drama

Group discussion and criticism. Individual writing projects. May be repeated to a total of 6 hours. May be taught concurrently with ENG 506. Cannot receive credit for both ENG 506 and ENG 606.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 607 Advanced Writing: Poetry

Group discussion and criticism. Individual writing projects. May be repeated to a total of 6 hours. May be taught concurrently with ENG 503. Cannot receive credit for both ENG 503 and ENG 607.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 609 Creative Writing Project

Prerequisite: permission of instructor.

Directed development of a substantial work of poetry, fiction, or non-critical prose, prepared for publication. May be taught concurrently with ENG 508. Cannot receive credit for both ENG 508 and ENG 609.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 613 Shakespeare

Selected plays and poems of Shakespeare, representative criticism, and Shakespeare's theatre and milieu. May be taught concurrently with ENG 513. Cannot receive credit for both ENG 513 and ENG 613.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 614 British Drama

Representative British plays from pre-Renaissance times to present, including such authors as Marlowe, Congreve, Wilde, and Shaw. May be taught concurrently with ENG 514. Cannot receive credit for both ENG 514 and ENG 614.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 615 Chaucer

The Canterbury Tales and other works by Chaucer; social, historical, literary, and linguistic background of late Middle Ages. May be taught concurrently with ENG 510. Cannot receive credit for both ENG 510 and ENG 615.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 617 The American Novel

Works by major figures in the development of the American Novel, such as Twain, James, Howells, Dreiser, Lewis, Hemingway, Faulkner, and Warren; major criticism of the genre. May be taught concurrently with ENG 517. Cannot receive credit for both ENG 517 and ENG 617.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 618 The British Novel

Works by major figures in the development of the British novel, such as Fielding, Austen, Dickens, George Eliot, Hardy, Lawrence, and Woolf; major criticism of the genre. May be taught concurrently with ENG 512. Cannot receive credit for both ENG 512 and ENG 618.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 619 American Drama

Development of American Drama to the present; emphasis on 20th century, including such authors as O'Neill, Wilder, Hellman, Williams, Miller, and Albee; major criticism of the genre. May be taught concurrently with ENG 519. Cannot receive credit for both ENG 519 and ENG 619.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 623 Writing Center Theory and Practice

Collaborative workshop designed to prepare individuals for teaching one-to-one in a writing center environment. May be taught concurrently with ENG 523. Cannot receive credit for both ENG 523 and ENG 623.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 627 History of Rhetoric

Study of historical trends important to the development of written discourse and writing instruction. Survey of theory from classical antiquity through the nineteenth century. May be taught concurrently with ENG 525. Cannot receive credit for both ENG 525 and ENG 627.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 628 Modern Rhetorical Theory

A continuation of ENG 627. Study of twentieth-century rhetorical theory and its applications in literary criticism, literacy, technical writing, and/or composition. May be taught concurrently with ENG 526. Cannot receive credit for both ENG 526 and ENG 628.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 629 Composition and Rhetoric in High School and Junior College

Prerequisite: teacher certification students must be admitted to the Teacher Education Program.

A survey of current writing and evaluation practices. Training in the teaching and evaluating of oral and written composition. The student will have an opportunity to examine methods currently taught in area high schools. May be taught concurrently with ENG 520. Cannot receive credit for both ENG 629 and ENG 520.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 631 Writing for Teachers

A course intended to develop the writing of prospective and in-service teachers and to explore the means by which writing can be encouraged, developed, and assessed. May be taught concurrently with ENG 521. Cannot receive credit for both ENG 631 and ENG 521.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 633 Studies in Children's Literature

A study of significant themes (such as gender, ethnicity, or childhood) or genres (such as children's poetry, the picture book, and the literary folktale and historical fiction) in literature for the young. May be repeated when content varies. May be taught concurrently with ENG 533. Cannot receive credit for both ENG 533 and ENG 633.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 634 Historical Perspectives in Children's Literature

Study of one or more periods in the historical development of children's literature, such as the Golden Age of children's classics, twentieth-century British children's literature, and the novels for children since 1950. Variable content course. May be repeated when content varies. May be taught concurrently with ENG 534. Cannot receive credit for both ENG 534 and ENG 634.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 636 Young Adult Novel

Study of various kinds of novels written for young people; includes historical perspectives; emphasizes developments since the "New Realism" of the 1960s. May be taught concurrently with ENG 536. Cannot receive credit for both ENG 536 and ENG 636.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 639 Advanced Writing for Children and Young Adults

Group discussion and criticism. Individual writing projects. May be taught concurrently with ENG 539. Cannot receive credit for both ENG 539 and ENG 639.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

ENG 641 Renaissance Literature

Sidney, Spenser, Donne, Milton, and other major non-dramatic writers; literary developments, 1500-1660. May be taught concurrently with ENG 541. Cannot receive credit for both ENG 541 and ENG 641.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 642 British Romantic Literature

Blake, Wollstonecraft, Dorothy Wordsworth, William Wordsworth, Coleridge, Byron, Mary Shelley, Percy Bysshe Shelley, Keats; cultural backgrounds and literary developments, 1798-1837. May be taught concurrently with ENG 544. Cannot receive credit for both ENG 544 and ENG 642.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 643 Restoration and 18th Century Literature

Dryden, Swift, Pope, Johnson, and other significant writers; literary developments, 1660-1798. May be taught concurrently with ENG 543. Cannot receive credit for both ENG 543 and ENG 643.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 645 Modern British Literature

Significant works from several genres by authors such as Conrad, Yeats, Greene, Lessing, and Stoppard; literary developments, 1901-present. May be taught concurrently with ENG 547. Cannot receive credit for both ENG 547 and ENG 645.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 646 Victorian Literature

Tennyson, Browning, the Rossettis, Hardy, and other British Victorian writers; literary developments, 1837-1901. May be taught concurrently with ENG 546. Cannot receive credit for both ENG 546 and ENG 646.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 649 Major British Authors

Study of several major works by one or two British writers, such as Marlowe and Jonson, Johnson and Boswell, George Eliot and Hardy, Yeats and T.S. Eliot, Amis and Larkin; the intellectual milieu of their works. May be taught concurrently with ENG 548. Cannot receive credit for both ENG 548 and ENG 649.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 651 Literary Publication

Practical experience with the literary publication process, including the editing work that goes into literary journals and the process of submitting and publishing creative work. Students will be introduced to various aspects of the literary market and other opportunities for creative writers, such as conferences and writing workshops. Students will learn about the publishing process through University publications projects such as the English Department's Moon City Press. May be taught concurrently with ENG 551. Cannot receive credit for both ENG 651 and ENG 551.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 652 American Romantic Literature

Significant works from several genres by authors such as Cooper, Poe, Irving, Thoreau, Emerson, Hawthorne, Melville, and Whitman; literary developments to 1855. May be taught concurrently with ENG 553. Cannot receive credit for both ENG 553 and ENG 652.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 654 Topics in Ethnic American Literature

Focus on one or more of the following: African American literature, Asian American literature, Latina/o literature, Native American literature, the literatures of European American immigrant groups, and relevant literary criticism. May be repeated up to 6 hours if content varies. May be taught concurrently with ENG 554. Cannot receive credit for both ENG 654 and ENG 554, for the same course content.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

ENG 656 American Realism

Significant works from several genres by authors such as Twain, Howells, James, Crane, and Frost; literary developments, 1855-1914. May be taught concurrently with ENG 557. Cannot receive credit for both ENG 557 and ENG 656.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 659 Modern American Literature

Significant works from several genres by authors such as Fitzgerald, Hemingway, Lowell, Roethke, Bellow, and O'Connor; literary developments, 1914-present. May be taught concurrently with ENG 559. Cannot receive credit for both ENG 559 and ENG 659.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 661 Major American Authors

Study of several major works by one or two writers, such as Emerson and Thoreau, Frost and Dickinson, Sexton and Lowell; the intellectual milieu of their works. May be repeated when content varies. May be taught concurrently with ENG 558. Cannot receive credit for both ENG 558 and ENG 661.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 662 Contemporary American Poetry/Fiction

A survey of contemporary American poetry or fiction, which encompasses a selection of significant authors and traces the history and development of various literacy theories, schools and movements, from new Criticism through more recent trends in both narrative and lyric modes (poetry) and Post-Modern narrative techniques (fiction). Variable content course. May be repeated up to 6 hours if topic is different. May be taught concurrently with ENG 562. Cannot receive credit for both ENG 562 and ENG 662.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 663 Literature and Medicine

This course examines literary representations of health and illness, ability and disability, and cultural practices of healing. Drawing on major theoretical movements in medical humanities, students will situate literary texts within the ethical situations and institutional structures of their community and culture. May be taught concurrently with ENG 563. Cannot receive credit for both ENG 563 and ENG 663.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 664 Place-Conscious Reading and Writing

This course emphasizes the study of place, specifically, enacting literacy practices focused upon the cultural, economic, and environment sustainability of a learning locale. Students will also explore local networking strategies and ways of spurring public action to improve their own literacy and the literacy of their students at the local or regional level. May be taught concurrently with ENG 564. Cannot receive credit for both ENG 664 and ENG 564.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (even-numbered years)

ENG 665 Literature and Language Workshop

Prerequisite: permission of instructor.

Variable topics related to the use of writing and literature in the classroom. Number of class hours determined by length of workshop. May be repeated for a total of 6 hours. May be taught concurrently with ENG 565. Cannot receive credit for both ENG 665 and ENG 565.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

ENG 668 Major World Authors

Study of several major works by one or two writers, such as Aristophanes and Sophocles; Ibsen and Strindberg; the intellectual milieu of their works. May be repeated when content varies. May be taught concurrently with ENG 568. Cannot receive credit for both ENG 568 and ENG 668.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 672 Writing Grant Proposals

Studying and applying basic elements of grant-proposal writing, including identifying potential funding sources, aligning projects with goals of funders, writing a compelling statement of need, and establishing a credible method of accomplishing goals as well as a reasonable budget and timeline. Emphasis on tailoring proposals to prospective funders in concise, persuasive writing. May be taught concurrently with ENG 572. Cannot receive credit for both ENG 572 and ENG 672.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 678 Writing in the Health Professions

Rhetorical analysis and production of a broad range of document genres, including public health campaigns, grant proposals, medical

reports, and patient information materials. Students research and present their findings on current issues in the field. Emphasis on audience analysis, document design principles, and ethical considerations. May be taught concurrently with ENG 570. Cannot receive credit for both ENG 570 and ENG 678.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 679 Writing for the Web

Explores the professional writer's role in creating web pages and sites designed to deliver information. Topics include planning, user analysis, organization, structure, presentation, content development, writing style, and accessibility accommodation. May be taught concurrently with ENG 573. Cannot receive credit for both ENG 573 and ENG 679.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 682 Gender Issues in Language and Literature

Consideration of gender issues from the standpoint of literary history, genre, composition/rhetoric, linguistics, or feminist theory. May be repeated to a total of 6 hours if topic is different. May be taught concurrently with ENG 580. Cannot receive credit for both ENG 580 and ENG 682.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 683 Themes in Folkloristics

A topical course investigating the relationship of folklore and daily life through reading and examination of the field and its genres as a global discipline. Consideration of lived-environments such as occupational, educational, and popular culture settings or themes. May be repeated to a total of 9 hours if topic is different. May be taught concurrently with ENG 583. Cannot receive credit for both ENG 583 and ENG 683.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 684 Topics in Professional Writing

Covers a single topic within the field of professional writing. The subject will vary according to student demand and faculty availability. Examples include writing for the legal profession, writing proposals, regulatory writing, developing training materials, and ethics in professional writing. May be repeated to a total of 6 hours when the topic varies. Variable content course. May be taught concurrently with ENG 575. Cannot receive credit for both ENG 575 and ENG 684.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 688 Sociolinguistics for Language Teaching

Various sociolinguistic topics, with an emphasis on those relevant for language teaching, such as language altitudes; standard languages; literacy; language variation; multilingualism; language planning and policy; and language maintenance and loss. May be taught concurrently with ENG 592. Cannot receive credit for both ENG 592 and ENG 688.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 689 Studies in Linguistics

Topics in linguistics including history of linguistics, language acquisition, or transformational grammars. May be repeated to a total of 9 hours if topic is different. May be taught concurrently with ENG 593. Cannot receive credit for both ENG 593 and ENG 689.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 690 Grammatical Analysis

Advanced study of English morphology and syntax using a variety of current approaches, including phrase-structure, transformational, discourse-based, and semantic-based grammars. May be taught concurrently with ENG 590. Cannot receive credit for both ENG 590 and ENG 690.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 691 Linguistic Theory

A specialized survey of linguistics intended for graduate and advanced undergraduate students. Areas covered include, but are not limited to, phonology, morphology, syntax, semantics, discourse, pragmatics, language change, and language variation. Students cannot receive credit for both ENG 296 and ENG 691. May be taught concurrently with ENG 591. Cannot receive credit for both ENG 591 and ENG 691.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 694 Technical Writing Internship

Projects in technical writing, combining academic training and supervised work experience in business, industry, government, academia, or nonprofit organizations. Students are required to work a minimum of 135 hours. May be taught concurrently with ENG 574. Cannot receive credit for both ENG 574 and ENG 694.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 695 Principles of Second Language Acquisition

The processes of both first and second language acquisition, with an emphasis on Teaching English to Speakers of Other Languages (TESOL) and bilingualism. Includes the theory behind and history of TESOL methodologies, as well as contemporary theoretical issues in TESOL. May be taught concurrently with ENG 595. Cannot receive credit for both ENG 595 and ENG 695.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 696 Materials and Assessment in Teaching English to Speakers of Other Languages (TESOL)

Practical and theoretical perspectives in specific areas in TESOL, including speaking, grammar, composition, and critical reading. Consideration of material design and student assessment. May be taught concurrently with ENG 596. Cannot receive credit for both ENG 596 and ENG 696.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 697 Practicum in Teaching English to Speakers of Other Languages (TESOL)

Application of coursework in TESOL with individualized experience based on students' needs and background, especially in composition, grammar, and pronunciation. May be taught concurrently with ENG 597. Cannot receive credit for both ENG 597 and ENG 697.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

ENG 698 Early English Language and Literature

Special topics in Old and Middle English language and literature, including an understanding of the linguistic structure of early English, experience in working with a variety of medieval English texts, and application of various linguistic and literary theories to the study of Old and Middle English writing. May be repeated to 6 hours if topic is different. Will not count toward any teacher certification requirement. May be taught concurrently with ENG 598. Cannot receive credit for both ENG 598 and ENG 698.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 700 Introduction to Research Methods in English

Provides an introduction to research methods and writing within the broadly defined discipline of English Studies. It focuses on ways of developing research problems and questions, designing studies, and conducting, reading and evaluating research. Students will also learn to present their research in verbal and written formats including the abstract, proposal, conference presentation, and publishable essay.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 701 Graduate Fiction Workshop

Prerequisite: ENG 601 or permission of instructor.

Group discussion and criticism. Individual writing projects. Intensive reading and writing assignments designed to enhance students' ability to compete in the publishing world and in application to further graduate study.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 702 Service Learning in English II

Prerequisite: concurrent enrollment in an English course designated as a service-learning offering.

This service component for an existing course incorporates community service with classroom instruction. It provides an integrated learning experience, addressing the practice of citizenship and promoting an awareness of and participation in public affairs. It includes a minimum of 40 hours of service that benefits an external community organization or public-service provider. Approved service placements and assignments will vary depending on the course topic. May be taken once for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

ENG 703 Practicum in Teaching Composition

Writing, evaluation of student essays, discussion of current theory and practice in teaching college composition. Credit from this course will not count toward the MA in English or the MS in Ed (ENG) degrees. Required of graduate teaching assistants their first two semesters of appointment. May be repeated up to 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

ENG 704 Teaching Writing Online

An intensive study of the theory and practice associated with teaching composition online. Students will examine key ideas in the field as well as the benefits and challenges of online pedagogy. Students will have the opportunity to study and design online instructional materials.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer, Spring (odd-numbered years)

ENG 707 Graduate Poetry Workshop

Prerequisite: ENG 607 or permission of instructor.

Group discussion and criticism. Individual writing projects. Intensive reading and writing assignments designed to enhance students' ability to compete in the publishing world and in application to further graduate study.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 708 Creative Writing Project II

Prerequisite: permission of instructor.

Directed development of a substantial work of poetry, fiction, or non-critical prose. This work may be submitted as a degree paper in partial fulfillment of the research requirement in English.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 710 Seminar: Fiction

Significant genres, authors, and developments in prose fiction. May be repeated to a total of 9 hours if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 711 Seminar: Poetry

Significant genres, authors, and developments in poetry. May be repeated to a total of 9 hours if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 712 Seminar: Drama

Detailed study of selected plays and dramatists. May be repeated to a total of 9 hours if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 720 Seminar: Composition Theory

Detailed study of contemporary composition theory in university freshman writing. Open to all graduate students. Graduate teaching assistants must take ENG 720 during their first year of appointment, unless they have taken ENG 520 as undergraduates.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 721 Theory of Basic Writing

Study of issues, problems, and pedagogical strategies appropriate to teaching composition to students with limited English proficiency.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 722 Literacy Theory and Composition

An introduction to literacy theory and its application to the teaching of composition.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 725 Seminar: Composition and Rhetoric

Topics in the application of rhetorical theory to the teaching of writing. May be repeated up to 9 hours if the content is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring, Summer

ENG 726 Issues in Professional Writing

Study of [illegible] offered in the [illegible]

Study of some aspect of professional writing not ordinarily offered in the curriculum. Students read, discuss, and write about selected books or other documents related to the field. May be repeated to a total of 6 hours if topic is different. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 730 Ozarks Writing Project

Prerequisite: permission of instructor.

An intensive course in the writing process and the writing curriculum, designed for experienced K-16 teachers across the disciplines using the National Writing Project model. Readings of current theory and research will be related to participants' experiences as writers and as teachers. May be repeated for up to six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

ENG 732 Seminar: Issues and Trends in English Education

Study of some aspects of English Education not ordinarily in the curriculum. Students read, discuss, and write about selected books and articles related to the field. Variable content course. May be repeated for a total of 9 hours if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 735 Seminar: Children's Literature

Detailed study of selected works, authors, or themes in children's/young adult literature. May be repeated to a total of 9 hours if topic is different. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 744 Seminar: English Literature Before 1798

Detailed study of selected works, authors, or themes in English literature up to the Romantic Movement. May be repeated to a total of 9 hours if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 748 Seminar: English Literature After 1798

ENG 748 Seminar: English Literature After 1798

Detailed study of selected works, authors, or themes in English literature since 1798, including the Romantic Movement. May be repeated to a total of 9 hours if the topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 757 Seminar: Early American Literature

Detailed study of selected works, authors, or themes in American Literature to 1900. May be repeated to a total of 9 hours if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 758 Seminar: 20th Century American Literature

Detailed study of selected works, authors, or themes in American Literature, 1900 to the present. May be repeated to a total of 9 hours if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 770 The Teaching of Technical and Professional Writing

Theory and practice of teaching college courses in technical and professional writing. Some consideration of in-service writing courses for business, science, industry, and government.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 771 Professional Writing

Theory and practice of writing and analyzing documents in business, science, and industry.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 773 Writing for the Computer Industry

Study and practice in developing user-centered computer system documentation. Topics include working with workplace and user

Study and practice in developing user-centered computer system documentation. Topics include working with workplace and user communities to develop content; formatting, organizing, and designing information; and user analysis and testing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 774 Professional Writing Internship

Prerequisite: permission of instructor.

Projects in technical and professional writing, combining academic training and supervised work experience in business and industry. Students are required to work a minimum of 150 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 775 Designing Technical Documents

Producing, analyzing, and adapting technical documents to meet the needs of diverse clients.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 777 Scientific and Technical Editing

Current practices in editing and electronic publishing. Group and individual projects involving diverse fields, audiences, and formats; topics include copyediting, content editing, usability editing, author-editor relations, and the production process.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 780 Seminar: Intellectual Backgrounds of Literature in English

Relation of basic intellectual and social ideas to the form, content, production/publication, and distribution of selected literary works or genres. May be repeated to a total of 9 hours if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 781 Rhetorical Criticism

Study of rhetorical and metalinguistic approaches to analyzing literature, with applications of theory to particular works.

Study of rhetorical and metalinguistic approaches to analyzing literature, with applications of theory to particular works.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ENG 785 Seminar: Critical Theories

Literary criticism, with emphasis upon modern, critical practice; application of theory to particular problems. May be repeated to a total of 9 hours if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 786 Seminar: Form and Theory of Poetry and Prose

Designed for creative writers. Detailed study of traditional literary forms in poetry, drama, or fiction and the new forms that have grown out of them. Discussion of interaction between structure and content. Variable Content Course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENG 792 Linguistics in Rhetoric and Composition

Applications of linguistic models to rhetorical theory and/or the teaching of composition.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ENG 793 Seminar: Linguistics

Topics in historical, theoretical, or applied linguistics. May be repeated to a total of 9 hours if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 796 Seminar: Assessment in Teaching English to Speakers of Other Languages (TESOL)

Prerequisite: ENG 605 and ENG 695.

Advanced course on assessment issues as they affect English language learners. Includes regulations related to the assessment and testing of English learners, language proficiency assessment, classroom-based assessment, and the creating and evaluation of language testing instruments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ENG 797 Advanced Practicum in Teaching English to Speakers of Other Languages (TESOL)

Prerequisite: ENG 605 and ENG 695.

Application of coursework in TESOL with individualized teaching experience with English learners. Includes reflective practice and the implementation of a culminating project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

ENG 799 Thesis

Prerequisite: permission of the Director of Graduate Studies in English.

Independent research and study connected with preparation of thesis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

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Missouri State

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Undergraduate Catalog

Advocacy Writing Certificate

Advocacy Writing

This certificate provides the background and skills to prepare students to write for non-profit organizations, especially those that require public funding and/or charitable contributions and involvement.

Program requirements (12 hours)

1. ENG 222(3), ENG 322(3), ENG 572(3)
2. Select one of the following: ENG 321(3), ENG 373(3), ENG 525(3), COM 566(3), ECO 101(3), PLS 316(3), PLS 317(3), SOC 152(3), SOC 384(3)
3. All candidates must satisfy the General University Certificate Requirements.

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

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Missouri State

Office of the Registrar
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Creative Writing

Minor(s)

Creative Writing

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science

A. Two courses from: ENG 203(3), 205(3), 215(3), 216(3), 225(3)
B. One course from: ENG 303(3), 305(3), 315(3), 325(3)
C. One course from: ENG 500(3), 501(3), 503(3), 506(3)
D. One course from: ENG 551(3), 562(3)
E. One literature course (3), for a total of not fewer than 18 hours

Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

English

Major(s)

English

Bachelor of Arts

A. General Education Program and Requirements
B. Major Requirements (36 hours)
    1. Core Requirements (21 hours)
        a. Introductory Experience (9 hours): ENG 235(3); and one course from ENG 203(3), 205(3), 215(3), 216(3), 225(3), 339(3); and one course from ENG 200(3), 282(3), 283(3), 289(3)
        b. American Literature (3 hours): one course from: ENG 350(3), 351(3), 517(3), 519(3), 553(3), 557(3), 558(3), 559(3), 562(3)
        c. British Literature (3 hours): one course from ENG 312(3), 340(3), 341(3), 510(3), 512(3), 513(3), 514(3), 541(3), 543(3), 544(3), 546(3), 547(3), 548(3), 598(3)
        d. Diversity (3 hours): one course from ENG 354(3), 355(3), 362(3), 363(3), 554(3)
        e. Public Affairs Capstone Experience: ENG 301(3) or 599(3)
    2. Choose one of the following options:
        a. **Creative Writing** (15 hours)
            1. Introductory Creative Writing: one course from ENG 203(3), 205(3), 215(3), 225(3)
            2. Intermediate Creative Writing: one course from ENG 303(3), 305(3), 315(3), 316(3), 325(3)
            3. Advanced Creative Writing: one course from ENG 500(3), 501(3), 503(3), 506(3)
            4. Creative Writing Project: ENG 508(3) or one additional course from ENG 500(3), 501(3), 503(3), 506(3) not used in the Advanced Creative Writing choice above. Course selected may be the same of the Advanced Writing requirement selection if the student is repeating the course for additional credit.
            5. ENG 551(3)
        b. **Literature** (15 hours)
            1. Additional American Literature (3 hours): one course from ENG 350(3) or 351(3). May not be double-counted from the American Literature core requirement.
            2. Additional British Literature (3 hours): one course from ENG 340(3) or 341(3). May not be double-counted from the British Literature major core requirement.
            3. Specialized Approaches (3 hours): one course from ENG 435(3), 483(3), 491(3), 533(3), 534(3), 563(3), 580(3), 583(3)
            4. Electives (6 hours): choose two ENG electives, at least one of which must be a 400 or 500 level literature course.
            5. Pre-1800 requirement: at least three of the 36 hours taken in the English major must be a pre-1800 literature course: ENG 312(3), 340(3), 510(3), 513(3), 541(3), 553(3), 598(3)
C. Minor Required (or second major)
D. Specific Bachelor of Arts Degree Requirements
E. General Baccalaureate Degree Requirements

English

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements (36 hours)

1. Core Requirements (21 hours)

    a. Introductory Experience (9 hours): ENG 235(3); and one course from ENG 203(3), 205(3), 215(3), 216(3), 225(3), 339(3); and one course from ENG 200(3), 282(3), 283(3), 289(3)
    b. American Literature (3 hours): one course from: ENG 350(3), 351(3), 517(3), 519(3), 553(3), 557(3), 558(3), 559(3), 562(3)
    c. British Literature (3 hours): one course from ENG 312(3), 340(3), 341(3), 510(3), 512(3), 513(3), 514(3), 541(3), 543(3), 544(3), 546(3), 547(3), 548(3), 598(3)
    d. Diversity (3 hours): one course from ENG 354(3), 355(3), 362(3), 363(3), 554(3)
    e. Public Affairs Capstone Experience: ENG 301(3) or 599(3)
2. Choose one of the following options:
    a. **Creative Writing** (15 hours)
        1. Introductory Creative Writing: one course from& ENG 203(3), 205(3), 215(3), 225(3)
        2. Intermediate Creative Writing: one course from ENG 303(3), 305(3), 315(3), 316(3), 325(3)
        3. Advanced Creative Writing: one course from ENG 500(3), 501(3), 503(3), 506(3)
        4. Creative Writing Project: ENG 508(3) or one additional course from ENG 500(3), 501(3), 503(3), 506(3) not used in the Advanced Creative Writing choice above. Course selected may be the same of the Advanced Writing requirement selection if the student is repeating the course for additional credit.
        5. ENG 551(3)
    b. **Literature** (15 hours)
        1. Additional American Literature (3 hours): one course from ENG 350(3) or 351(3). May not be double-counted from the American Literature core requirement.
        2. Additional British Literature (3 hours): one course from ENG 340(3) or 341(3). May not be double-counted from the British Literature major core requirement.
        3. Specialized Approaches (3 hours): one course from ENG 435(3), 483(3), 491(3), 533(3), 534(3), 563(3), 580(3), 583(3)
        4. Electives (6 hours): choose two ENG electives, at least one of which must be a 400 or 500 level literature course.
        5. Pre-1800 requirement: at least three of the 36 hours taken in the English major must be a pre-1800 literature course: ENG 312(3), 340(3), 510(3), 513(3), 541(3), 553(3), 598(3)

C. Minor Required (or second major)
D. General Baccalaureate Degree Requirements

Minor(s)

English

Bachelor of Arts

A. ENG 235(3)
B. 15 hours of English electives, including three 500-level courses, for a total of not fewer than 18 hours

English

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Science

There is no required selection of courses for an English minor for these degrees. Students are advised to select ENG 235(3), 340(3), 341(3), 350(3), 351(3), and electives in English for a total of not fewer than 18 hours.

English

Bachelor of Science in Education (Non-Certifiable)

A. Nine hours in composition from: ENG 110(3), 203(3), 210(3), 215(3), 221(3), 235(3), 310(3), 520(3); JRN 270(3)
B. ENG 351(3), 390(3), 491(3); ENG 338(3) or 536(3)
C. One course from: ENG 340(3), 341(3), 360(3), 361(3), 362(3), 512(3)
D. One course from: ENG 205(3), 350(3), 517(3), for a total of not fewer than 27 hours

Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

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Missouri State

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English Education

Major(s)

English

Bachelor of Science in Education (Certifiable grades 9-12)

A. General Education Program and Requirements
   Specific General Education Requirements in order to meet state certification: ENG 110(3), 321(3); PSY 121(3)
B. Major Requirements
   1. ENG 235(3), 338(3), 390(3), 520(3), 521(3); ENG 491(3) or 494(3)
   2. One course from: ENG 350(3), 351(3), 517(3), 519(3), 553(3), 557(3), 558(3), 559(3), 562(3)
   3. One course from: ENG 354(3), 355(3), 455(3)
   4. One course from: ENG 340(3), 341(3), 362(3), 512(3), 541(3), 543(3), 544(3), 546(3), 547(3), 548(3), 568(3)
   5. One additional 400 or 500-level ENG elective course (3), not taken to fulfill another major or Professional Education requirement.
   6. ENG 312(3)-students may substitute ENG 513 for ENG 312 but may not count ENG 513 as their required 500-level ENG elective course.
   7. Public Affairs Capstone Experience will be fulfilled by completion of ENG 432(5-6) and ENG 433(5-6).
C. Professional Education Courses. Note: A grade of “C” or better in each course is required for state certification.
   1. ENG 405(6), ENG 432(5-6), ENG 433(5-6)
   2. Professional Education Required Core and Competencies - see Teacher Education Program
D. General Baccalaureate Degree Requirements
E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.
   1. at least a 2.75 GPA on all course work attempted at all colleges attended
   2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
   3. at least a 3.00 GPA in any additional certificate subject area
   4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

Accelerated graduate program in Secondary Education/English

Eligible Missouri State undergraduate students may apply for admission to the Secondary Education/English program and begin taking graduate course work as they complete the work for a bachelor’s degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

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ESOL (English for Speakers of Other Languages)

Minor(s)

ESOL (English for Speakers of Other Languages)

Bachelor of Arts

Bachelor of Science

A. ENG 296(3) or ENG 591(3) or ANT 306(3)
B. ENG 505(3), 592(3), 595(3), 596(3)
C. ENG 390(3) or 590(3) for a total of not fewer than 18 hours.

Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

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Missouri State

Folklore

Minor(s)

Folklore

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

A. ENG 283(3), 385(3), 483(3), 485(3)
B. One course from: ANT 320(3), 511(3); ENG 583(3), for a total of not fewer than 15 hours

Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

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https://www.missouristate.edu/registrar/catalog/prog-folklore.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Professional Writing

Major(s)

Professional Writing (BA)

Bachelor of Arts

Admission requirements

Students must have a combined GPA (Missouri State and transfer) of 2.50 or higher or a GPA of 2.75 or higher for the most recent 30 hours of course work in order to be admitted to the degree program.

Program requirements

A. General Education Program and Requirements
B. Major Requirements (36 hours)
   1. ENG 321(3), 373(3), 377(3), 421(3), 422(3), 487(3), 500(3), 574(3)
   2. Complete four courses from: ENG 473(3), 570(3), 572(3), 573(3), 575(3), or approved upper-division cognate courses for a total of not fewer than 36 hours.
   3. Public Affairs Capstone Experience will be fulfilled by completion of ENG 421(3), 422(3), and 574(3).
C. Minor Required (or second major)
D. Specific Bachelor of Arts Degree Requirements
E. General Baccalaureate Degree Requirements

Professional Writing (BS)

Bachelor of Science

Admission requirements

Students must have a combined GPA (Missouri State and transfer) of 2.50 or higher or a GPA of 2.75 or higher for the most recent 30 hours of course work in order to be admitted to the degree program.

Program requirements

A. General Education Program and Requirements
B. Major Requirements (36 hours)
   1. ENG 321(3), 373(3), 377(3), 421(3), 422(3), 473(3), 487(3), 500(3), 574(3)
   2. Complete three courses from: ENG 570(3), 572(3), 573(3), 575(3), or approved upper-division cognate courses for a total of not fewer than 36 hours.
   3. Public Affairs Capstone Experience will be fulfilled by completion of ENG 421(3), 422(3), and 574(3).
C. Minor Required (or second major)
D. General Baccalaureate Degree Requirements

Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

Accelerated graduate program in Writing-Technical/Professional Writing Track

Eligible Missouri State undergraduate students may apply for admission to the Technical/Professional Writing track within the Writing program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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https://www.missouristate.edu/registrar/catalog/prog-professional-writing.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Rhetoric and Argument Writing Certificate

Rhetoric and Argument Writing

This certificate is designed to provide students a focused understanding of the historical and contemporary assumptions of rhetorical scholarship, and practice in developing persuasive written argument through the use of rhetorical strategies to articulate various positions to specific audiences. This advanced understanding of rhetoric and practice in argument writing provides a foundation for the study and practice of law, public affairs, social justice, business, and communications.

Students will complete core courses in argument writing and historical or contemporary rhetorical theory. Students will enhance this core through an elective specific to related fields.

Program requirements (12 hours)

1. Required core: ENG 326(3); ENG 525(3) or 526(3)
2. Select two of the following: ENG 201(3), 205(3), 222(3), 289(3), 500(3); ENG 525(3)* or 526(3)*; COM 350(3), COM 566(3), ECO 435(3), JRN 374(3), JRN 572(3), LAW 341(3), PHI 340(3), PLS 316(3), PLS 317(3), PLS 419(3)
3. All candidates must satisfy the General University Certificate Requirements

*either course if not selected for required core

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https://www.missouristate.edu/registrar/catalog/prog-rhetoric-and-argument-writing-certificate.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Teaching English to Speakers of Other Languages

Minor(s)

Teaching English to Speakers of Other Languages

Bachelor of Science in Education (Certifiable grades K-12, additional endorsement only)

A. ENG 296(3) or 591(3); ENG 505(3), 592(3), 595(3), 596(3), 597(3)
B. Either ENG 390(3) or 590(3), for a total of not fewer than 21 hours
C. Professional Education Courses: RDG 474(3); SPE 310(3) or 340(2)
D. In order to meet Missouri state teacher certification requirements, all students must have a 2.50 GPA or higher (Missouri State and transfer grades combined) in the certification subject area, which includes all courses required for the minor. A minimum grade of "C" or higher in each course listed above is required for certification.

Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

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https://www.missouristate.edu/registrar/catalog/prog-TESOL-teaching-english-to-speakers-of-other-languages.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Technical Writing

Minor(s)

Technical Writing

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science

A. ENG 321(3), 373(3), 377(3), 421(3)
B. Two courses from: ENG 422(3), 473(3), 487(3), 500(3), 570(3), 572(3), 573(3), 574(3), 575(3) for a total of not fewer than 18 hours

Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Writing

Minor(s)

Writing

Bachelor of Science in Education (Non-Certifiable)

A. ENG 205(3), 215(3), 235(3)
B. Three courses from: JRN 270(3), 370(3), 374(3), 375(3), 476(3); ENG 203(3), 225(3), 303(3), 315(3), 321(3), 334(3), 390(3), 421(3), 501(3), 536(3), for a total of not fewer than 18 hours. Students contemplating seeking a Bachelor of Science in Education degree must seek the advice of an advisor.

Restriction on use of English courses for majors and minors in the Department of English

1. English courses counted toward the major cannot be counted toward the minor.
2. English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
3. With the exception of ENG 310 and ENG 321, English courses counted toward the major or minor cannot be counted toward the General Education requirements.

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Missouri State

Linguistics Program

Programs

Undergraduate

Linguistics (Minor)

General information

The Linguistics minor is an interdisciplinary program jointly offered by the College of Arts and Letters and Department of Sociology and Anthropology and is administered by the College of Arts and Letters. The Linguistics Committee administers the program, provides advisement, and considers requests for elective substitutions. The committee consists of five faculty members who teach courses in the minor, appointed by the Provost. The chair of the committee, elected by committee members, approves applications to degree program and, after consultation with committee members, approves course substitutions.

Contact

Administrator

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Missouri State

Office of the Registrar
Undergraduate Catalog

Linguistics

This minor is an interdisciplinary program jointly offered by the College of Arts and Letters and Department of Sociology and Anthropology.

Minor(s)

Linguistics

Bachelor of Arts

A. ENG 296(3) or ANT 306(3)
B. Complete 12 hours from the following courses: ANT 380(3)*, CSD 210(3), CSD 312(3), ENG 390(3), ENG 491(3), ENG 494(3), ENG 590(3), ENG 592(3), ENG 593(3)*, ENG 595(3), FRN 324(3), PSY 523(3), SPN 324(3). Other courses may be substituted with approval of committee. No more than 12 hours of the 15-hour minor may be taken from any one department.

   *Variable content course; up to 9 hours may be applied to the minor when the topic changes.
C. No more than 3 hours of the minor may also count for a major requirement.

Linguistics

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

A. ENG 296(3) or ANT 306(3)
B. Complete 12 hours from the following courses: ANT 380(3)*, CSD 210(3), CSD 312(3), ENG 390(3), ENG 491(3), ENG 494(3), ENG 590(3), ENG 592(3), ENG 593(3)*, ENG 595(3), FRN 324(3), PSY 523(3), SPN 324(3). Other courses may be substituted with approval of committee.

   *Variable content course; up to 9 hours may be applied to the minor when the topic changes.
C. At least 6 hours of a foreign language (including American Sign Language). A student may take 3 hours each of two different languages. No more than 12 hours of the 21-hour minor (except for foreign language) may be taken from any one department.
D. No more than 3 hours of the minor (except for foreign language) may also count for a major requirement.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Media, Journalism & Film

Programs

Indicates accelerated graduate program is available

Undergraduate

Digital Film and Television Production (BS)

Documentary Filmmaking (Certificate)

Electronic Arts (BS)

Film and Media Studies (BA, BS)

Film Studies (Minor)

Journalism (BS, Minor)

Mass Media (Minor)

Screenwriting (Minor)

Video Production (Certificate)

Writing for Television and Film (Certificate)

Graduate

Screenwriting for Television and Film (Certificate)

Courses are offered toward the option in Producing and Screenwriting within the Professional Studies program (MPS)

General information

As an integral part of the Department of Media, Journalism & Film, the mass media program provides a wide range of activities for students. The department also serves in an advisory capacity for the university newspaper, The Standard, and is associated with KSMU-FM (91.1 MHz), the University's National Public Radio Affiliate. Learn more about student opportunities and services.

Contact

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Missouri State

Media, Journalism & Film Faculty

Professors

Andrew R. Cline, PhD

Mary Jane Pardue, DA

Mark A. Paxton, PhD

Associate professors

Richard H. Amberg III, MFA

Deborah L. Larson, PhD

Weiyan Wang, MFA

Timothy R. White, PhD

Assistant professors

Holly W. Holladay, PhD

Robert T. Lewis

Jonathan Mabee, MFA

Jocelyn B. Millana, MFA

Andrew D. Twibell, MFA

Senior instructors

Jack E. Dimond, MA

Leonard B. Horton, MS

Instructor

Cristina M. Pippa, MFA

Emeritus faculty

Mark M. Biggs, MA

James W. Bihlmeyer, MFA

Karen S. Buzzard, PhD

Arlen E. Diamond, PhD

Thomas V. Dickson, EdD

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Missouri State

Media, Journalism & Film Courses

Journalism (JRN) courses

JRN 270 Introduction to Journalism

Prerequisite: Eligibility for ENG 110.

Study of the purposes and forms of journalism. Includes writing the basic types of stories. Typing skills required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

JRN 300 Special Topics in Journalism

A course upon a single topic of current interest. May be repeated with permission of the department to a total of 6 hours if topics are different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

JRN 305 Service Learning in Journalism

Prerequisite: 30 hours and concurrent registration in a journalism course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in journalism to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

JRN 370 News Reporting and Writing

Prerequisite: JRN 270.

Instruction and practice in gathering news material, writing news reports, and editing copy. Includes introduction to news beats and specialized reporting techniques.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

JRN 374 Opinion Writing

Prerequisite: JRN 270.

Instruction and practice in writing editorials, opinion columns, news analyses and critical reviews.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

JRN 375 Feature Writing

Prerequisite: JRN 270.

Practice in writing feature articles for print and online publications, including human interest stories, news features, personality profiles, how-to articles and historical pieces.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (even-numbered years)

JRN 376 Business Reporting

Prerequisite: JRN 270.

Instruction and practice in gathering information and writing business-related articles. The course covers interviewing and reporting techniques used to write business stories, including enterprise and trend stories as well as company profiles. The student also will gain an understanding of the importance of business news to public affairs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

JRN 381 Broadcast News Writing

Prerequisite: JRN 270.

Instruction and practice in basic scripting technique and writing skills needed to be a broadcast journalist. Through writing, students will examine the fundamentals of news judgment and the organizational style of storytelling for radio and television formats.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

JRN 384 Broadcast Performance

Prerequisite: JRN 381.

The development of disciplines controlling vocal and visual mechanics as well as interpretative performance for announcers, newscasters, interviewers and narrators of various radio and television situations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Spring

JRN 388 Electronic News Gathering

Prerequisite: JRN 381.

Instruction and practice in news gathering techniques for television. Students will learn the basics of video production (shooting, editing, lighting, etc.) and reporting as well as advanced storytelling techniques, including solo reporting, recording natural sound packages, and live shot production and reporting. Emphasis is placed on gaining expertise in shooting and editing techniques as they apply to news.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

JRN 407 Media Law

History and application of the speech and press clause of the First Amendment; libel law, privacy law, copyright and other legal matters relating to mass media; relation of media law to journalistic ethics. May be taught concurrently with JRN 607. Cannot receive credit for both JRN 407 and JRN 607.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

JRN 476 Copy Editing and Design

Prerequisite: JRN 370.

Principles and practices of copy-editing and rewriting news stories, headline writing, use of graphics, and makeup for print and online newspapers.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

JRN 477 Publications

Prerequisite: JRN 270.

Design and production of tabloids, magazines, newsletters, and brochures using desktop publishing techniques; survey of printing processes and type selection; use of color, graphics, and photographs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

JRN 478 Multimedia Journalism

Prerequisite: JRN 270.

Instruction and practice in multimedia reporting and publishing for print media and the internet, including digital still photography, video, audio, social media, and text. The course will also address content management systems for the web, ethics, and legal concerns. Note: Students must have a digital camera (3.1 megapixels or greater) with still and video modes. (All-in-one devices such as the iPhone fulfill this requirement.)

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Fall, Spring

JRN 481 Multi-platform News Producing

Prerequisite: JRN 381.

Instruction and practice in multi-platform news producing. Students will learn news judgment, how to create a rundown, and how to make critical decisions that are essential to producing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

JRN 492 Independent Study in Journalism

Prerequisite: JRN 270 and permission of instructor.

Supervised independent study exploring topics determined by the student in consultation with journalism faculty member. May be repeated to a total of 6 hours with permission of the department.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

JRN 493 Practicum in Journalism

Prerequisite: permission of instructor.

Students will work with faculty supervisor on equipment-based journalism projects. Particular focus on leadership and communication skills, as well as using technology appropriate to the professional workplace. Variable content course. May be repeated to a total of 6 hours with permission of the department when project is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

JRN 572 Public Affairs Reporting

Prerequisite: JRN 370.

Capstone course on instruction and practice in advanced reporting techniques, including gathering material and writing in-depth stories on public affairs issues, with an emphasis on state and local government.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

JRN 590 Issues in Journalism

Prerequisite: 60 hours.

A variable content course addressing topics of current interest as well as timeless issues. May be repeated to a total of 6 hours with permission if topic is different. May be taught concurrently with JRN 690. Cannot receive credit for both JRN 690 and JRN 590.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

JRN 592 Newscast Practicum

Prerequisite: JRN 384 and JRN 388 and permission of instructor.

Practical on-air experience with a student-run news program. Students will produce, report, anchor and work as studio crew for a weekly show. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

JRN 595 Journalism Internship

Prerequisite: 60 hours and permission of instructor.

Work experience with a professional news organization. The student will be provided an educational opportunity not available through classroom experience. The instructor must approve all necessary paperwork before the student may begin the internship. May be repeated to a total of 6 hours.

to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

JRN 607 Media Law

History and application of the speech and press clause of the First Amendment; libel law, privacy law, copyright and other legal matters relating to mass media; relation of media law to journalistic ethics. May be taught concurrently with JRN 407. Cannot receive credit for both JRN 407 and JRN 607.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

JRN 690 Issues in Journalism

A variable content course addressing topics of current interest as well as timeless issues. May be repeated to a total of 6 hours with permission if topic is different. May be taught concurrently with JRN 590. Cannot receive credit for both JRN 590 and JRN 690.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

JRN 695 Journalism Internship

Prerequisite: permission of instructor.

Work experience with news organizations. The student will be provided an educational opportunity not available through classroom experience. The instructor must approve all necessary paperwork before the student may begin the internship. May be repeated for a total of 6 hours. May be taught concurrently with JRN 595. Cannot receive credit for both JRN 595 and JRN 695.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

Mass Media (MED) courses

MED 120 Mass Media and Society

General Education Course (Focus on Social and Behavioral Sciences).

The course examines theories and issues related to mass media. Students will understand the media's role through historical, present and future trends as agents of social change and cultural influence. The course will examine the media as an industry and its critical role as the fourth estate in American democracy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

3 **Credit hours**	3 **Lecture contact hours**	1 **Lab contact hours**	Fall, Spring **Typically offered**	SBSC 100 - Introduction to **CORE 42 (MOTR) equivalent**

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

MED 130 Fundamentals of Media Convergence

An exploration of the role and impact of convergence across all areas of journalism and media. Emphasis will be placed on the teaching of audio, video, web and social media skills.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 220 Media Literacy

Prerequisite: MED 120.

An introduction to media literacy that highlights the mass media's role in shaping public discourse and social reality. Students examine a single public affairs issue in depth throughout the semester and critically examine how approaches to journalism, social media, documentary, satire, and entertainment media impact the framing of the issue.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Spring

MED 274 Introduction to Film

General Education Course (Focus on Humanities).

The aesthetic and technical perspective of all types of motion pictures (narrative, non-narrative, experimental), using a number of selected domestic and foreign films as examples. Written analyses are required. Viewing of selected films outside of class time may be required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	1	Fall, Spring	FILM 100 - Introduction to Film Studies.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

MED 290 Fundamentals of Multimedia Design

A broad exploration of multimedia design via readings and creative experiences. The following areas are considered: fundamental design principles, effective multimedia design, implementation and implications of multimedia, evaluation of existing multimedia examples, and collaboration in a group multimedia project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Fall, Spring

MED 300 Special Topics in Media

A course upon a single topic of current interest. May be repeated to a total of 6 hours if topics are different. Approved Recurring Course Topic: Anime. An in-depth exploration of anime, or Japanese animation. The course includes an examination of the various figures involved (artists, writers, directors, etc.), genres (action, martial arts, mythological, etc.), and the relationship between anime and animation in the West. 1 hour. Approved Recurring Course Topic: Asian Horror Cinema. An in-depth exploration of Asian Horror cinema. It includes an examination of the various figures involved (artists, writers, directors, etc.), the cultures of these Asian nations, and the relationship between Asian horror films and Hollywood. 1 hour. Approved Recurring Course Topic: Documentary Film History and Theory. Students will screen a series of classic documentary films as they study the history, theory, and the social role played by documentaries in the 20th century. The course will examine those characteristics that distinguish the documentary from other film genres. The diversity and historical development of the genre will also be traced through critical essays written by documentary film makers and critics, and through discussions of classic films. 2 hours. Approved Recurring Course Topic: Great Directors. A survey of important national and international directors. Students will learn to analyze influential directors' work from both a historical and theoretical approach. The course is internet-based and will require membership to a movie rental outlet. 3 hours. Approved Recurring Course Topic: Hong Kong Cinema. An in-depth exploration of Hong Kong cinema. It includes an examination of the various figures involved (actors, directors, etc.), genres (action, martial arts, art film, etc.), and the relationship between Hong Kong cinema and Hollywood. 1 hour. Approved Recurring Course Topic: Sci-Fi Noir. An exploration into the cinematic style of Film Noir in its latest version, the science fiction film. The course will investigate the influences and impact that the 1940s Film Noir style has had on specific films that can be categorized of Future Noir or relating to the development of Future Noir. 1 hour. Approved Recurring Course Topic: The Cinema of Iran. An introduction to the cinema of Iran and to the cinema of Islamic cultures in general. The course will cover such topics as the history of Iranian cinema, the place of women in the Iranian film industry, and film in the context of Islamic art. 1 hour. Approved Recurring Course Topic: The Films of the Coen Brothers. An exploration into the cinematic style of the Coen Brothers. The course will investigate how Noir writers of the 1940s, Hitchcock, the Horror genre and the struggle to remain independent have influenced the Coens. Students will learn the stylistic choices that reoccur in the Coen Brothers films and be able to discuss them in relation to their films and the film industry at large. 1 hour.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MED 304 Mass Media Theory

Prerequisite: MED 120.

An examination of the history, development, and current state of mass communication theory and its relationship to the ways in which mediated messages are delivered and received.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 305 Service Learning in Media

Prerequisite: 30 hours and concurrent registration in a media course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in media to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

MED 320 Understanding the Broadcast Industry

Prerequisite: MED 120.

An overview of national and local broadcast operations, including a detailed examination of national and local broadcast operations including organizational structure, management functions, program production and distribution strategies, program management, sales, promotion and research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MED 325 Media History

The development and growth of U.S. mass media from their origins through the development of the internet. Emphasis will be placed on changing technologies, changing socio-political roles and changing structure of the mass media industry.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 345 Fundamentals of Media Production

Prerequisite: open to all students except Digital Film and Television Production, Mass Media (Comprehensive) and Electronic Arts majors.

This course is designed for students who are not majoring in Digital Film and Television Production, Mass Media (Comprehensive) or Electronic Arts. The course will provide an opportunity to learn and practice basic film and video production techniques while applying knowledge from lectures. The individual and group projects completed in the course will emphasize preproduction planning and creative use of the camera, lighting, sound and editing. Students will learn a wide range of practical production strategies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	2	Fall, Spring

MED 355 Social Media

Prerequisite: MED 120.

An overview of how social media are changing the ways we communicate, collaborate and create through digital media. Students will examine the historical, theoretical and practical implications of social media on human communication through a series of critical readings, media presentations and practical encounters with social networking.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MED 360 Beginning Screenwriting

Prerequisite: ENG 110.

An introduction to the fundamental craft of writing for film and television. Students will learn format, structure, and the principles of character-based storytelling, as well as the basics of the film and television industry. Combining lectures and workshops, students will focus on scene work before outlining and completing a short film script. Variable content course. May be repeated up to 6 hours when project changes. May be taught concurrently with MED 660. Cannot receive credit for both MED 360 and MED 660 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 361 Introduction to Sound Recording for Digital Film and TV

Prerequisite: MED 365.

A foundational-level production course introducing recording/mixing techniques and technologies of production sound in digital film and television. Lectures will focus on basic acoustics and audio electronics, the aesthetics of the sound medium and sound as art in digital film and television. Students will learn critical-listening skills and gain recording/mixing experience in all aspects of field sound production including field sound recording equipment and setup, microphone placement and boom operation, and mixing with single and multiple microphones on the set. Students will also learn how to solve production problems and prepare production sounds for post-production.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Spring

MED 365 Digital Film and Media Production

Prerequisite: major in Digital Film and Television Production, Film and Media Studies, or Electronic Arts, or permission of instructor.

A study of visual aesthetics and production techniques used in film and video. Students will learn image, motion design, sound, and nonlinear concepts that will be reinforced through video production exercises.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

MED 374 History of Film I

An examination of the evolution of film technique and theory from 1895 to World War II. Emphasis is placed on the social impact of film and on the artistic and technical aspects of the medium. Viewing of selected films outside of class may be required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Fall

MED 375 History of Film II

An examination of the evolution of film technique and theory from World War II to the present. Emphasis is placed on the social impact of film and on the artistic and technical aspects of the medium. Viewing of selected films outside of class may be required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Spring

MED 381 Broadcast Writing

Prerequisite: ENG 110.

An examination of the principles and production techniques involved in writing broadcast copy. Three areas will be investigated in depth: copywriting for radio and television, news writing and feature story preparation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 382 Audio Production

Theory and practice of audio production techniques, procedures, and aesthetics. Emphasis is placed on audio production in a studio setting, including mic selection and placement, mixing boards and signal flow, and digital audio production techniques and technologies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Upon demand

MED 383 Television Production

Prerequisite: MED 365 or JRN 388.

Orientation to and practical experience in creating TV production in the professional studio setting.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

MED 385 Client-Based Video Production

Prerequisite: MED 345 or MED 365.

This intermediate-level production course focuses on how to work with a client when producing video packages for business, corporate, commercial, and other forms of non-fiction media production. Students will learn how to interview a client to find out their needs, then go through the pre-to-post production process on how to create original content packages for the client. This course is geared toward creating viable content for the students' demo reels, and will work with a community partner to produce real-world videos for use by the organization(s) the course will be working with during the semester.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	1	Fall

MED 390 Interactive Web Design

Prerequisite: MED 290.

An overview of multimedia design and multimedia-specific concepts. The course will look at multimedia design standards on multiple levels; content design and creation, user experience, navigation, interface, functionality, interactivity, multimedia integration, etc. Students will create and publish a website.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Fall, Spring

MED 412 History and Theory of Documentary Film

Students gain a general understanding of the history and theory of documentary film by investigating the major creative approaches, the impact of technological advances in filmmaking, and the differences and similarities between nonfiction and fiction narratives in film. Students learn to write effective film criticism – to craft a well-reasoned critical analysis of a documentary film.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MED 454 Media Analysis and Criticism

Prerequisite: MED 120; and COM 209 or MED 304.

The political, cultural, economic and social impact of the American media and their content as they affect and influence the individual and the culture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 461 Sound Editing

Prerequisite: MED 365.

An introduction to the theoretical and practical principles of sound editing for digital film and TV post-production. Students will be exposed to sound-design ideas and learn sound-editing skills and techniques using a professional sound-editing program. Students will design and build soundtracks for digital film and TV with both aesthetic and technical considerations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Fall, Spring

MED 462 TV/Film Producing

An in-depth examination of the producer's various roles in television and film production. Practical experience with script breakdowns, scheduling and budgets will provide the student with an understanding of the various aspects of production and how the development and structure of the script can affect the production's outcome.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MED 463 Writing Adaptations for Television and Film

Study and practice in adapting material for television or film. During the course, students will select a source to adapt and will outline and begin writing their script. Variable content course. May be repeated when project changes. May be taught concurrently with MED 663. Cannot receive credit for both MED 463 and MED 663 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 464 Genre Writing for Film and Television

An overview of the expectations and requirements of various genres in both film and television. Students will study past, present and possible future trends of each genre in the professional marketplace. The course will focus on what defines audience expectations as students write for different genres. Variable content course. May be repeated when project changes. May be taught concurrently with MED 664. Cannot receive credit for both MED 464 and MED 664 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 465 Principles of Cinematography

Prerequisite: MED 365.

The fundamental theoretical and practical principles of using the camera and lighting for film and video. Studio and location lighting, camera techniques, and aesthetics will be explored in depth. Students will light and shoot a variety of exercises designed to illustrate the theoretical, practical, and aesthetic issues explored in this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

MED 466 Editing for Film and Television

Prerequisite: MED 365.

An examination of the theoretical, historical, and practical principles involved in editing narrative film and video. Students will learn intermediate editing techniques. Editing theory and aesthetics will be addressed through a series of editing exercises pulled from feature films and television series. Issues of narrative clarity, dramatic focus, pacing, and effective storytelling will be emphasized.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

MED 470 Special Topics in Film

An examination of special topics from historical or current interest in film. Subject will vary from semester to semester depending on student interest and faculty availability. Examples: Experimental Films, Science Fiction and Horror in Film, Film as Propaganda, The Image of Minorities in Film, the French New Wave, Film Criticism. Viewing of selected films outside of class may be required. Variable Content Course. May be repeated to a total of 6 hours. 3(3-1) D. Approved recurring course topic: Animation. An examination of the history and aesthetics of animation, including both commercial and independent animation. Animation techniques (cel, computer, pixilation, cut-out, etc.), national animation industries (Hollywood, Japanese, Eastern European, etc.), and significant issues of contemporary animation studies will be covered. Written research essays are required, and film viewing outside of class may be required. 3(3-1) D. Approved recurring course topic: Asian Cinema. An examination of the art and industry of Asian cinema, looking at the histories and aesthetic features of the films (both mainstream and alternative) of the major filmmaking nations of Asia, as well as the practical and social factors involved in filmmaking in Asia. Written research essays are required, and film viewing outside of class may be required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Upon demand

MED 472 Directing the Short Film

Prerequisite: MED 365.

An examination of the theoretical, historical and practical fundamentals of film directing. Students will explore techniques for successful script/scene analysis, visualization, collaboration with cast and crew, and set management. Via a series of short but increasingly complex projects, students will gain an understanding of what it takes to successfully lead a production.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

MED 483 Intermediate Production

Prerequisite: permission of instructor.

Secondary level of multi-camera or film-style production. Students serve as production assistants and crew members, generally on a larger project being led by students in a senior-level capstone or electronic arts course, under the supervision of and in tandem with another class.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

MED 490 Advanced Interactivity Multimedia Design

Prerequisite: MED 290.

An advanced study of interactive multimedia design based on human-computer interaction principles. Course will include the creation of a project incorporating interactivity as a core element. Topics may include mobile applications, site-specific multimedia design, trans-media, advanced physical interactivity, or advanced Flash design. May be repeated to a total of 6 hours if topics are different. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring (even-numbered years)

MED 492 Independent Study in Electronic Media

Prerequisite: admission to a departmental major, permission of instructor and 6 hours of upper division MED or JRN coursework.

Supervised independent study exploring selected areas determined by the student in consultation with the media faculty. Course work may include readings, term papers, or projects. May be repeated to a total of 6 hours with permission of the department.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MED 493 Practicum in Electronic Media

Prerequisite: permission of instructor.

Students will work closely with faculty supervisor to produce and create film, television, or internet projects. Particular focus on leadership and communication skills, as well as using technology appropriate to the professional workplace. Variable content course. May be repeated to a total of 6 hours with permission of the department when project is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MED 498 Senior Project in Electronic Arts

Prerequisite: ART 300 and permission of instructor.

Admission to this course is contingent upon the successful completion of the Electronics Arts junior portfolio review and the achievement of

Admission to this course is contingent upon the successful completion of the Electronic Arts junior portfolio review and the achievement of a "C" or better grade in all required option courses completed at the time of the junior portfolio review. Under advisement from faculty, EA

students will form production teams consisting of computer animation, video, interactive new media and audio studies students. Each team will produce a broadcast-quality project over two semesters. The first semester will be spent in pre-production preparations for the approved senior project. The second semester will involve production and post-production of the approved project. This course must be repeated in sequence for a total of six hours across a single academic year. Identical with ART 498. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

MED 512 Documentary Film Practicum

Prerequisite: MED 345 or MED 365.

Students study documentary techniques in video, audio, and photography leading to the development of a formal documentary project proposal. Emphasis is placed on idea development and pre-production with journalistic research standards. Students will have the opportunity to contribute to documentary projects currently in production as well as complete several, short documentary production exercises.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Fall

MED 561 Sound Mixing

Prerequisite: MED 461.

An in-depth exploration of the art of sound design for digital film and TV. Students will learn how to carry out the aesthetic considerations of sound through the mixing process. Emphasis will be placed on advanced sound editing for sub- and final mixing, mix engineering, sound-effect processing and surround-sound practice. Students will learn how to mix a movie's dialogue, sound effects, ambience and music into stereo and surround tracks. May be taught concurrently with MED 661. Cannot receive credit for both MED 561 and MED 661.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Fall

MED 562 Digital Filmmaking

Prerequisite: MED 461 or MED 462 or MED 465.

A film-style production class in high-definition digital filmmaking. Students will form small production teams to plan, design, and produce short narrative films. May be taught concurrently with MED 662. Cannot receive credit for both MED 662 and MED 562.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

MED 565 Intermediate Screenwriting

Writing the feature film screenplay. Students will study format, structure, and the effective tools of screenwriting. The course will include discussion of feature films and their screenplays, as well as the business of professional screenwriting. Students will create a premise, outline their projects, and write the first act of a feature-length film. Variable content course. May be repeated when project changes. May be taught concurrently with MED 667. Cannot receive credit for both MED 565 and MED 667 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 566 Writing for Television

This course will focus on the foundations of structure, character, conflict, dialogue, and setting, and how to apply these elements to storytelling on the small screen. Students will learn to pitch their ideas effectively to writer-producers and then outline, write, and polish a spec script for a currently running television series. Variable content course. May be repeated when project changes. May be taught concurrently with MED 668. Cannot receive credit for both MED 566 and MED 668 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 567 Rewriting Film and Television Scripts

Prerequisite: MED 565 or MED 566.

An examination of the many phases of rewriting television or feature length screenplays for professional submission. Students will rewrite and workshop their scripts with an eye toward the current marketplace. Variable content course. May be taught concurrently with MED 669. Cannot receive credit for both MED 567 and MED 669 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MED 568 Writing the Web Series

Prerequisite: permission of instructor.

An advanced practicum in conceiving and collaboratively writing an original episodic series for the web. Students will work together in an intimate writers' room atmosphere to develop original web series for future production at Missouri State. Emphasis will be on sustainable premises, filmable budgets, and compelling character-based conflicts. Variable content course. May be repeated up to 6 hours when project changes. May be taught concurrently with MED 671. Cannot receive credit for both MED 568 and MED 671 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MED 569 Advanced Screenwriting

Prerequisite: MED 565 or MED 566, and permission of instructor.

Focus on group discussion and criticism. Students either build on past work to complete a feature length screenplay or else write a new television pilot and series bible. Variable content course. May be repeated up to 6 hours when project changes. May be taught concurrently with MED 672. Cannot receive credit for both MED 569 and MED 672 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MED 570 Film Theory

An analysis of the art of film by using classical and contemporary film theory to investigate such aspects as the relationship between form and content, visual style and the nature of pictorial motion. Weekly screenings and discussions of short films, excerpts, complete classics and contemporary films. May be taught concurrently with MED 670. Cannot receive credit for both MED 670 and MED 570.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Spring

MED 580 Media in Politics

Prerequisite: MED 120; and COM 209 or MED 304.

An in-depth examination of the role of print and electronic media in American politics. Emphasis is placed on media coverage of government, social issues, and political campaigns. The course examines both the strategies of paid media and the media's coverage of politics as news. May be taught concurrently with MED 680. Cannot receive credit for both MED 680 and MED 580.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MED 581 Issues in Media Ethics

Prerequisite: MED 120 and MED 304.

An investigation of fundamental ethical issues and their implications for media practitioners. Responsibilities of media practitioners to the public, advertising agencies, the government, and special interest groups will be examined. Special attention will be paid to the possibility of conflict between the business of media and general ethical considerations. May be taught concurrently with MED 681. Cannot receive credit for both MED 681 and MED 581. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 582 Advanced Producing

Prerequisite: MED 462; (students with credit for MED 365 may request permission of instructor).

This course will present the essential components of entrepreneurial producing, including obtaining investors, pre-sales, international co-financing and production, business negotiations, collaborating with unions and film commissions, procuring A-List talent, and others.

Students will workshop an existing feature film with the intentions of "pitching" a modern remake to ideal investors and distribution outlets. Students will design a comprehensive package - including financing, budgeting, marketing and distribution strategy - that is realistic in the contemporary marketplace.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MED 583 Advanced Television Production

Prerequisite: MED 383.

Principles, skills, and techniques involved in advanced television production. Practical experience in writing, producing, directing and editing non-fiction television content for a video-magazine, news show, and/or promotions. May be taught concurrently with MED 683. Cannot receive credit for both MED 583 and MED 683.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

MED 595 Media Internship

Prerequisite: 60 hours and permission of instructor.

Work experience with a professional media organization. The student will be provided an educational opportunity not available through classroom experience. The instructor must approve all necessary paperwork before the student may begin the internship. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

MED 597 Advanced Studies in Media

Prerequisite: permission of instructor.

In-depth examination of a special topic in media. Variable content course. May be repeated to a total of 6 hours. May be taught concurrently with MED 697. Cannot receive credit for both MED 697 and MED 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MED 660 Beginning Screenwriting

An introduction to the fundamental craft of writing for film and television. Students will learn format, structure, and the principles of character-based storytelling, as well as the basics of the film and television industry. Combining lectures and workshops, students will focus

on scene work before outlining and completing a short film script. Variable content course. May be repeated up to 6 hours when project changes. May be taught concurrently with MED 360. Cannot receive credit for both MED 360 and MED 660 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 661 Sound Mixing

An in-depth exploration of the art of sound design for digital film and TV. Students will learn how to carry out the aesthetic considerations of sound through the mixing process. Emphasis will be placed on advanced sound editing for sub- and final mixing, mix engineering, sound-effect processing and surround-sound practice. Students will learn how to mix a movie's dialogue, sound effects, ambience and music into stereo and surround tracks. May be taught concurrently with MED 561. Cannot receive credit for both MED 661 and MED 561.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Fall

MED 662 Digital Filmmaking

Prerequisite: MED 461 or MED 462 or MED 465.

A film-style production class in high-definition digital filmmaking. Students will form small production teams to plan, design, and produce short narrative films. May be taught concurrently with MED 562. Cannot receive credit for both MED 662 and MED 562.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

MED 663 Writing Adaptations for Television and Film

Study and practice in adapting material for television or film. During the course, students will select a source to adapt and will outline and begin writing their script. Variable content course. May be repeated when project changes. May be taught concurrently with MED 463. Cannot receive credit for both MED 663 and MED 463 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 664 Genre Writing for Television and Film

An overview of the expectations and requirements of various genres in both film and television. Students will study past, present and possible future trends of each genre in the professional marketplace. The course will focus on what defines audience expectations as students write for different genres. Variable content course. May be repeated when project changes. May be taught concurrently with MED 664. Cannot receive credit for both MED 664 and MED 464 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 667 Intermediate Screenwriting

Writing the feature film screenplay. Students will study format, structure, and the effective tools of screenwriting. The course will include discussion of feature films and their screenplays, as well as the business of professional screenwriting. Students will create a premise, outline their projects, and write the first act of a feature-length film. Variable content course. May be repeated when project changes. May be taught concurrently with MED 565. Cannot receive credit for both MED 667 and MED 565 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 668 Writing for Television

This course will focus on the foundations of structure, character, conflict, dialogue, and setting, and how to apply these elements to storytelling on the small screen. Students will learn to pitch their ideas effectively to writer-producers and then outline, write, and polish a spec script for a currently running television series. Variable content course. May be repeated when project changes. May be taught concurrently with MED 566. Cannot receive credit for both MED 668 and MED 566 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 669 Rewriting Film and Television Scripts

Prerequisite: permission of instructor.

An examination of the many phases of rewriting television or feature length screenplays for professional submission. Students will rewrite and workshop their scripts with an eye toward the current marketplace. Variable content course. May be taught concurrently with MED 567. Cannot receive credit for both MED 669 and MED 567 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MED 670 Film Theory

An analysis of the art of film by using classical and contemporary film theory to investigate such aspects as the relationship between form and content, visual style, and the nature of pictorial motion. Weekly screenings and discussions of short film excerpts, complete classics and contemporary films. May be taught concurrently with MED 570. Cannot receive credit for both MED 570 and MED 670.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Spring

MED 671 Writing the Web Series

An advanced practicum in conceiving and collaboratively writing an original episodic series for the web. Students will work together in an intimate writers' room atmosphere to develop original web series for future production at Missouri State. Emphasis will be on sustainable premises, filmable budgets, and compelling character-based conflicts. Variable content course. May be repeated up to 6 hours when project changes. May be taught concurrently with MED 568. Cannot receive credit for both MED 568 and MED 671 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MED 672 Advanced Screenwriting

Prerequisite: MED 667 or MED 668 or permission of Instructor.

Focus on group discussion and criticism. Students either build on past work to complete a feature length screenplay or else write a new television pilot and series bible. Variable content course. May be repeated up to 6 hours when project changes. May be taught concurrently with MED 569. Cannot receive credit for both MED 672 and MED 569 for the same project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MED 680 Media in Politics

An in-depth examination of the role of print and electronic media in American politics. Emphasis is placed on media coverage of government, social issues, and political campaigns. The course examines both the strategies of paid media and the media's coverage of politics as news. May be taught concurrently with MED 580. Cannot receive credit for both MED 580 and MED 680.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MED 681 Issues in Media Ethics

An investigation of fundamental ethical issues and their implications for media practitioners. Responsibilities of media practitioners to the public, advertising agencies, the government, and special interest groups will be examined. Special attention will be paid to the possibility of conflict between the business of media and general ethical considerations. May be taught concurrently with MED 581. Cannot receive credit for both MED 581 and MED 681.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MED 683 Advanced Television Production

Prerequisite: MED 383.

Principles, skills, and techniques involved in advanced television production. Practical experience in writing, producing, directing and editing non-fiction television content for a video-magazine, news show, and/or promotions. May be taught concurrently with MED 583. Cannot receive credit for both MED 683 and MED 583.

receive credit for both MED 683 and MED 583.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

MED 695 Media Internship

Prerequisite: permission of instructor.

Work experience with a professional media organization. The student will be provided an educational opportunity not available through classroom experience. The instructor must approve all necessary paperwork before the student may begin the internship. May be repeated to a total of 6 hours. May be taught concurrently with MED 595. Cannot receive credit for both MED 595 and MED 695.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

MED 697 Advanced Studies in Media

Prerequisite: permission of instructor.

In-depth examination of a special topic in media. Variable content course. May be repeated to a total of 6 hours. May be taught concurrently with MED 597. Cannot receive credit for both MED 597 and MED 697.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MED 704 Theory and Research in Mass Communication

Survey of theories, models and research in mass communication. Topics include propaganda, attitude change, agenda setting and media effects research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MED 762 TV/Film Producing and Marketing

An in-depth examination of the producer's various roles in television and film production. Practical experience with grant writing, script breakdowns, scheduling, budgets, and business plan development will provide the student with an understanding of the various aspects of production and how the development and structure of the script can affect the production's outcome.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MED 792 Independent Study in Media

Prerequisite: permission of instructor.

Supervised independent study in research of theories or application of learning through a creative project. Variable content course. May be repeated to a total of 6 hours if the content of the research or the project is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

MED 793 Practicum in Producing or Production

Students will work closely with faculty supervisor to produce and create film, television, or internet projects. Particular focus on leadership and communication skills, as well as using technology appropriate to the professional workplace. Variable topic course. May be repeated to a total of 6 hours with permission of the department when project is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

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Missouri State

Digital Film and Television Production

Major(s)

Digital Film and Television Production (Comprehensive)

Bachelor of Science

Departmental admission requirements

All students majoring in the Department of Media, Journalism & Film (except for those seeking a major in Electronic Arts) must satisfy the following requirements before they can be admitted to the program. (In most cases, these requirements should be met by the time the student has completed 75 hours of coursework.)

A. Complete a minimum of 30 credit hours.
B. Have a combined grade point average (Missouri State and transfer) of 2.30 or higher.
C. Complete COM 115 and ENG 110.
D. Complete the following departmental preadmission core courses and the appropriate major-specific course with at least a C- in each of these courses.
    1. Departmental preadmission core: MED 120(3), 130(3), 220(3)
    2. Required major-specific course:
       Journalism major - JRN 270(3)
       Film and Media Studies major - MED 274(3)
       Digital Film and Television Production major - MED 365(3)
E. Achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses (MED 120(3), MED 130(3), MED 220(3), and the appropriate major-specific course). To achieve the 2.70 GPA, a student may retake any of these courses only once and may retake no more than two of these courses.
F. Submit application for admission and receive approval by faculty advisor and Head of the Department of Media, Journalism & Film.

Restriction

Departmental majors may *not* take a second major within the department.

Specific admission requirements

A student must achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses [MED 120(3), MED 130(3), MED 220(3) and MED 365(3)] along with a combined GPA of 2.30 or higher to be admitted to this major.

Program requirements

A. General Education Program and Requirements
   Specific General Education Requirement: MED 120(3)
B. Major Requirements (60 hours)
    1. Departmental Preadmission Core: MED 130(3), 220(3)
    2. Departmental Required Courses: MED 304(3), 581(3); JRN 407(3)
    3. Public Affairs Capstone Experience will be fulfilled by completion of MED 581(3).
    4. General Mass Media Courses:

4. General Mass Media Courses:
   a. MED 274(3), 454(3)
   b. Theory: Select 3 hours from MED 355(3), 570(3)
   c. History: Select 3 hours from MED 325(3), 374(3), 375(3)
5. Digital Film and Television Production Courses:
   a. Beginning Production: MED 365(3)
   b. Screenwriting: MED 360(3); select 3 hours from MED 464(3), 565(3), 566(3)
   c. Audio Production: Select 3 hours from MED 361(3), 382(3), 461(3)
   d. Editing: MED 461(3) or 466(3)
   e. Intermediate Production: Select 9 hours from MED 383(3), 462(3), 465(3), 466(3), 472(3), 483(3), 582(3)
   f. Capstone Production: Select 3 hours from MED 561(3), 562(3), 583(3)
   g. Electives: Select 6 hours from MED 300, 470, 492, 595, 597 or any JRN or MED courses.
6. No course may be used to satisfy more than one requirement within the Digital Film and Television Production major.

C. Note: Students majoring in Digital Film and Television Production cannot complete a minor in Mass Media. They may select, as an optional minor, Film Studies, Journalism, Screenwriting or any other BS minor.

D. General Baccalaureate Degree Requirements

Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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https://www.missouristate.edu/registrar/catalog/prog-digital-film-and-tv-production.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Documentary Filmmaking Certificate

Documentary Filmmaking

This certificate will allow students to focus primarily on non-fiction storytelling productions for video or multimedia presentation. Emphasis will be placed on production methods and understanding journalistic research standards as well as history and theory of the form. Through electives, students will be able to concentrate on presentation method (multimedia or video) and professional skill (cinematography or audio).

Program requirements (15 hours)

1. MED 345(3) or 365(3)
2. JRN 388(3) or 478(3). Note: Students pursuing this certificate may request a waiver of the prerequisites for JRN 388 or JRN 478.
3. MED 412(3) and 512(3)
4. MED 361(3) or 462(3) or 465(3)
5. All candidates must satisfy the General University Certificate Requirements.

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https://www.missouristate.edu/registrar/catalog/prog-documentary-filmmaking-certificate.htm

Missouri State

Electronic Arts

Major(s)

Electronic Arts (Non-Comprehensive)

Bachelor of Science

This program is offered in conjunction with the Department of Art and Design.

Admission requirements

Complete the following 9 hours with a GPA of 3.00 or higher before making a portfolio application to the program:

1. Foundation Courses (6 hours): Complete two courses from: ART 110(3), MED 365(3), MUS 216(3). Students must complete the foundation course required in their option area before submitting their portfolio application to the program. Required foundation course for each option.
   a. Audio Studies: MUS 216(3)
   b. Computer Animation Studies: ART 110(3)
   c. Interactive New Media Studies: ART 110(3)
   d. Video Studies: MED 365(3)
2. Pre-admission Core Course (3 hours): Complete one course from ART 210(3), ART 230(3), or MED 361(3). Note: Computer Animation students must complete ART 230.

Note: All Electronic Media majors must complete all three foundation courses to satisfy graduation requirements.

Initial portfolio review

Portfolio must include a minimum of two and a maximum of three examples of audio, video, interactive new media, and/or computer animation work, with at least one example coming from the preadmission foundation course in the option area to which the student is applying. Students seeking admission to the Electronic Arts program in the area of Computer Animation Studies must include at least one work from ART 230 or ART 330. Specific guidelines are required for portfolios. See advisor or the Electronic Arts Coordinator for details.

Program requirements

A. General Education Program and Requirements
B. Major Requirements (39 hours)
   1. Core Courses (21 hours):
      a. ART 110(3), MED 365(3); MUS 216(3)
      b. One course from: ART 210(3), ART 230(3), MED 361(3) or MED 382(3). Note: course **cannot** be double-counted toward the student's selected 18 hour option.
      c. ART 300(3)
      d. Six hours from ART 498(3) or MED 498(3)
   2. Choose one of the following options (18 hours):
      a. **Audio Studies:** MED 461(3), MED 561(3); MUS 100(2), MUS 316(3); select seven hours of electives from: MED 361(3), MED 382(3), MED 492(1-3), MED 595(1-3); MUS 103(3), MUS 137(1), MUS 327(2), MUS 399(1-3), MUS 416(3), MUS 512(3), MUS 529(3); THE 558(3). Audio Studies students must complete MUS 216 before making a portfolio application to the program.

b. **Computer Animation Studies:** See Department of Art and Design section of catalog.

c. **Interactive New Media Studies:** ART 210(3), ART 310(3), ART 410(3); select nine hours of electives from: MED 290(3), MED 355(3), MED 466(3), MED 492(3), MED 595(1-3); DES 202(3), DES 340(3), CIS 260(3). DES 202 or DES 340 should be taken only after successful completion of initial portfolio review. Interactive New Media Studies students must complete ART 210 before making a portfolio application to the program.

d. **Video Studies:** ART 230(3); MED 465(3); select 12 hours of electives from: MED 360(3), MED 462(3), MED 466(3), MED 472(3), MED 492(1-3), MED 562(3), MED 565(3), MED 567(3), MED 582(3), MED 583(3), MED 595(1-3). Video Studies students must complete MED 365 before making a portfolio application to the program.

3. Successful completion of the junior portfolio review and the achievement of a "C" or better grade in all required option courses completed at the time of the junior portfolio review must be achieved before admission to ART 498/MED 498, Senior Project in Electronic Arts, will be granted.
4. Public Affairs Capstone (PAC) Experience – all students are required to complete a three hour PAC Experience by completing one of the following options:
   a. MED 498 – senior thesis project directly related to cultural competence, community engagement, and/or ethical leadership issues. The PA component of the senior project will be defined specifically when the senior project is approved by the faculty team teaching the course.
   b. Study Away Experience – a study away experience of at least three hours will automatically meet the PAC requirement. Students will be expected to address issues related to cultural competency in their self-reflective report at the end of the study away experience.
   c. MED 595 – a three hour internship will meet the PAC requirement when the internship directly involves at least one aspect of the PA components (community engagement, cultural competency or ethical leadership).
   d. MED 492 – a three hour independent study will meet the PAC requirement when it involves a substantial component involving community engagement or cultural competency.

C. Minor Required. Note: No more than 6 hours may count for both the Electronic Arts major and the minor. Students should seek advisor approval for courses in the minor.

D. General Baccalaureate Degree Requirements

Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Film and Media Studies

Major(s)

Film and Media Studies (Non-Comprehensive) (BA)

Bachelor of Arts

Departmental admission requirements

All students majoring in the Department of Media, Journalism & Film (except for those seeking a major in Electronic Arts) must satisfy the following requirements before they can be admitted to the program. (In most cases, these requirements should be met by the time the student has completed 75 hours of coursework.)

A. Complete a minimum of 30 credit hours.
B. Have a combined grade point average (Missouri State and transfer) of 2.30 or higher.
C. Complete COM 115 and ENG 110.
D. Complete the following departmental preadmission core courses and the appropriate major-specific course with at least a C- in each of these courses.
   1. Departmental preadmission core: MED 120(3), 130(3), 220(3)
   2. Required major-specific course:
      Journalism major - JRN 270(3)
      Film and Media Studies major - MED 274(3)
      Digital Film and Television Production major - MED 365(3)
E. Achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses (MED 120(3), MED 130(3), MED 220(3), and the appropriate major-specific course). To achieve the 2.70 GPA, a student may retake any of these courses only once and may retake no more than two of these courses.
F. Submit application for admission and receive approval by faculty advisor and Head of the Department of Media, Journalism & Film.

Restriction

Departmental majors may *not* take a second major within the department.

Specific admission requirements

A student must achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses [MED 120(3), MED 130(3), MED 220(3) and MED 274(3)] along with a combined GPA of 2.30 or higher to be admitted to this major.

Program requirements

A. General Education Program and Requirements
   Specific General Education Requirement: MED 120(3)
B. Major Requirements (39 hours)
   1. Departmental Preadmission Core: MED 130(3), 220(3)
   2. Departmental Required Courses: MED 304(3), 581(3); JRN 407(3)
   3. Film and Media Studies Core: MED 274(3), 454(3)
   4. Theory/Critical: Select 6 hours from MED 320(3), 355(3), 570(3), 580(3)

4. Theory/Critical: Select 6 hours from MED 320(3), 355(3), 570(3), 580(3)
5. History: Select 6 hours from MED 325(3), 374(3), 375(3)
6. Writing: Select 3 hours from MED 360(3), 463(3), 464(3)
7. Applied: Select 3 hours from MED 290(3), 365(3), 595(1-6)
8. Public Affairs Capstone Experience will be fulfilled by completion of MED 581(3).

   Note: When applicable, MED 300(1-6) Special Topics in Media, MED 470(1-6) Advanced Topics in Film, MED 492(1-6) Independent Study in Electronic Media, and MED 597 Advanced Studies in Media may be used in category, with advisor approval. When applicable, no more than two courses from other departments may be substituted for the optional courses, with advisor approval.

C. Minor Required. Note: No course may count for both the Film and Media Studies major and minor.
D. Specific Bachelor of Arts Degree Requirements
E. General Baccalaureate Degree Requirements

Film and Media Studies (Non-Comprehensive) (BS)

Bachelor of Science

Departmental admission requirements

All students majoring in the Department of Media, Journalism & Film (except for those seeking a major in Electronic Arts) must satisfy the following requirements before they can be admitted to the program. (In most cases, these requirements should be met by the time the student has completed 75 hours of coursework.)

A. Complete a minimum of 30 credit hours.
B. Have a combined grade point average (Missouri State and transfer) of 2.30 or higher.
C. Complete COM 115 and ENG 110.
D. Complete the following departmental preadmission core courses and the appropriate major-specific course with at least a C- in each of these courses.
   1. Departmental preadmission core: MED 120(3), 130(3), 220(3)
   2. Required major-specific course:
      Journalism major - JRN 270(3)
      Film and Media Studies major - MED 274(3)
      Digital Film and Television Production major - MED 365(3)
E. Achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses (MED 120(3), MED 130(3), MED 220(3), and the appropriate major-specific course). To achieve the 2.70 GPA, a student may retake any of these courses only once and may retake no more than two of these courses.
F. Submit application for admission and receive approval by faculty advisor and Head of the Department of Media, Journalism & Film.

Restriction

Departmental majors may *not* take a second major within the department.

Specific admission requirements

A student must achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses [MED 120(3), MED 130(3), MED 220(3) and MED 274(3)] along with a combined GPA of 2.30 or higher to be admitted to this major.

Program requirements

A. General Education Program and Requirements
   Specific General Education Requirement: MED 120(3)
B. Major Requirements (39 hours)
   1. Departmental Preadmission Core: MED 130(3), 220(3)
   2. Departmental Required Courses: MED 304(3), 581(3); JRN 407(3)
   3. Film and Media Studies Core: MED 274(3), 454(3)
   4. Theory/Critical: Select 6 hours from MED 320(3), 355(3), 570(3), 580(3)
   5. History: Select 6 hours from MED 325(3), 374(3), 375(3)
   6. Writing: Select 3 hours from MED 360(3), 463(3), 464(3)
   7. Applied: Select 3 hours from MED 290(3), 365(3), 595(1-6)

7. Applied: Select 3 hours from MED 290(3), 308(3), 398(1-6)

8. Public Affairs Capstone Experience will be fulfilled by completion of MED 581(3).
   Note: When applicable, MED 300(1-6) Special Topics in Media, MED 470(1-6) Advanced Topics in Film, MED 492(1-6) Independent Study in Electronic Media, and MED 597 Advanced Studies in Media may be used in category, with advisor approval. When applicable, no more than two courses from other departments may be substituted for the optional courses, with advisor approval.

C. Minor Required. Note: No course may count for both the Film and Media Studies major and the minor.

D. General Baccalaureate Degree Requirements

Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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https://www.missouristate.edu/registrar/catalog/prog-film-and-media-studies.htm

Missouri State

Film Studies

Minor(s)

Film Studies

Bachelor of Arts

Bachelor of Science

A. MED 274(3), 570(3)
B. 12 hours of electives from MED 300(1-3) with advisor approval, MED 374(3), 375(3), 470(3-6) to bring the total hours in minor to at least 18 hours.

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https://www.missouristate.edu/registrar/catalog/prog-film-studies.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Journalism

Major(s)

Journalism (Non-Comprehensive)

Bachelor of Science

Departmental admission requirements

All students majoring in the Department of Media, Journalism & Film (except for those seeking a major in Electronic Arts) must satisfy the following requirements before they can be admitted to the program. (In most cases, these requirements should be met by the time the student has completed 75 hours of coursework.)

A. Complete a minimum of 30 credit hours.
B. Have a combined grade point average (Missouri State and transfer) of 2.30 or higher.
C. Complete COM 115 and ENG 110.
D. Complete the following departmental preadmission core courses and the appropriate major-specific course with at least a C- in each of these courses.
   1. Departmental preadmission core: MED 120(3), 130(3), 220(3)
   2. Required major-specific course:
      Journalism major - JRN 270(3)
      Film and Media Studies major - MED 274(3)
      Digital Film and Television Production major - MED 365(3)
E. Achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses (MED 120(3), MED 130(3), MED 220(3), and the appropriate major-specific course). To achieve the 2.70 GPA, a student may retake any of these courses only once and may retake no more than two of these courses.
F. Submit application for admission and receive approval by faculty advisor and Head of the Department of Media, Journalism & Film.

Restriction

Departmental majors may *not* take a second major within the department.

Specific admission requirements

A student must achieve a combined GPA of 2.70 or higher across any three of the four preadmission courses [MED 120(3), MED 130(3), MED 220(3) and JRN 270(3)] along with a combined GPA of 2.30 or higher to be admitted to this major.

Program requirements

A. General Education Program and Requirements
   Specific General Education Requirement: MED 120(3)
B. Major Requirements (48 hours)
   1. Departmental Preadmission Core: MED 130(3), 220(3)
   2. Departmental Required Courses: MED 304(3), 581(3); JRN 407(3)
   3. Journalism Core: JRN 270(3), 595(3)
   4. Writing: JRN 370(3), 381(3)

4. Writing: JRN 370(3), 381(3)
5. Reporting: JRN 388(3), 572(3)
6. Performance: JRN 384(3)
7. Convergence and Technology Expertise: JRN 478(3); select 3 hours from JRN 476(3) or 481(3)
8. Capstone Experience: select 3 hours from JRN 374(3), 375(3), 376(3), 592(3)
9. Select 3 hours from MED 355(3), 390(3), or any JRN course
10. Public Affairs Capstone Experience will be fulfilled by completion of MED 581(3).

C. Minor required. Note: No course may count for both the Journalism major and the minor.
D. General Baccalaureate Degree Requirements

Minor(s)

Journalism

Bachelor of Arts

Bachelor of Science

A. JRN 270(3), 407(3)
B. 12 hours of elective JRN courses to bring total hours in minor to at least 18 hours.

Accelerated graduate program in Communication

Eligible Missouri State undergraduate students may apply for admission to the Communication program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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https://www.missouristate.edu/registrar/catalog/prog-journalism.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Mass Media

Minor(s)

Mass Media

Bachelor of Arts

Bachelor of Science

A. MED 120(3), 454(3), and either MED 304(3) or COM 209(3)
B. 9 hours of MED electives to bring total hours in minor to at least 18 hours. Note: Students majoring in Journalism must complete an additional three hours of media electives since MED 120 is required to complete this major and no course may count toward both the major and a minor.

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https://www.missouristate.edu/registrar/catalog/prog-mass-media-minor.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Screenwriting

Minor(s)

Screenwriting

A. MED 565(3), 566(3), 567(3), 569(3)
B. 6 hours of electives from MED 360(3), 463(3, 464(3), 568(3); MED 300(1-3) with program coordinator's approval; MED 597(3) with program coordinator's approval, to bring the total hours in minor to at least 18 hours.

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https://www.missouristate.edu/registrar/catalog/prog-screenwriting.htm

Missouri State

Video Production Certificate

Video Production

This certificate is focused on media production that is branding- or client-centered. Students will develop skills in shooting and editing videos for small business, corporate/industrial and nonprofit needs.

Program requirements (15 hours)

1. MED 345(3), 385(3), 390(3), 466(3); MED 582(3) or JRN 388(3)
2. All candidates must satisfy the General University Certificate Requirements.

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Missouri State

Writing for Television and Film Certificate

Writing for Television and Film

This certificate is designed to teach students the screenwriting craft; to develop each student's potential and to help all students find their unique style; to expose students to the concept of "workshopping pages" and giving and receiving critical input on style, writing technique and structure; and to provide insight into today's film and television market.

Admission requirements

Completion of at least 30 hours and a combined GPA (Missouri State and transfer) of 2.50 or higher.

Program requirements (12 hours)

A. MED 360(3), 565(3), 566(3)
B. Select one of the following: MED 567(3), 569(3)
C. All candidates must satisfy the General University Certificate Requirements.

Completion requirement

Attain a GPA of 2.00 or higher for all courses used to fulfill the certificate requirements.

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https://www.missouristate.edu/registrar/catalog/cert-writing-for-television-and-film.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Modern and Classical Languages

Programs

Indicates accelerated graduate program is available

Undergraduate

Chinese (Minor)

Classics-Concentration in Ancient Greek (Minor)

Classics-Classical Humanities (Minor)

Classics-Latin Concentration (Minor)

French (Minor)

German (Minor)

Japanese (Minor)

Modern Language (BS) *Options: Applied Business, Second Language, Teacher Certification, Translation*

Modern Language (BS) *Minor Required*

Spanish (Minor)

Spanish for the Professions (Certificate)

Graduate

Applied Second Language Acquisition (MASLA)

Foreign Language Teaching (non-certifiable) (Certificate)

French (Certificate)

Spanish (Certificate)

Accreditations

- Missouri Department of Elementary and Secondary Education – Modern Language/Teacher Certification in French, German, Classics-Latin Concentration, and Spanish (BS)
- Council for the Accreditation of Educator Preparation – Modern Language/Teacher Certification in French, German, Classics-Latin Concentration, and Spanish (BS)

General information

The Department of Modern and Classical Languages (MCL) dedicates itself to providing the linguistic and cultural foundations necessary for students to flourish in the Twenty-first Century. Our courses prepare students to present themselves as educated citizens in the

Contact

Department head

Jason R. Jolley, PhD

Office

Siceluff Hall, Room 223

Phone

417-836-5122

Fax

global village, schooled in the ancient traditions and the modern societies of West and East,

experienced in understanding and communicating across borders and at home everywhere in a changing world.

The Department offers classes in more than a dozen different languages – both modern and classical – as well as courses on related topics, such as literature, film, culture, and translation. Students in MCL programs participate in a variety of activities which complement the Department's academic programs, such as language clubs, conversation tables, honor societies, and community outreach activities. MCL also offers study away opportunities, allowing students to improve the languages they study and acquire global competence in authentic contexts.

417-836-7626

Email

MCL@missouristate.edu

Website

missouristate.edu/mcl

Initial placement

Initial placement refers to the specific level at which students begin coursework in a language in the department. Proper initial placement safeguards the integrity of the department's lower-division courses, recognizes students' prior learning experiences, and helps them save time and money. The department has adopted and enforces the following guidelines with respect to initial placement:

- Students with no prior experience in a language must enroll in the 101-level course.
- Students with transfer credit in a language (including dual credit) must enroll in the next course in the sequence, may not take the placement exam, and are not eligible to receive retroactive credit.
- Students who have studied a language in high school (without receiving dual credit), heritage speakers (students who have grown up speaking a language other than English in their homes), and other non-native speakers with prior exposure to a language must take the placement exam adopted by the department prior to enrollment in their initial language course. If no placement exam has been adopted, students must consult with a faculty member who will assess their proficiency and make an initial placement determination.
- Students whose placement exam scores are very high and who wish to begin above the 202 level may request that a faculty member assess their proficiency and eligibility for higher initial placement.
- Native speakers (students who were raised and educated in communities and countries where the language is spoken) must consult with departmental faculty for a determination of appropriate initial placement.
- Students must initially enroll in the course indicated by their placement score or faculty proficiency assessment. However, an initial placement may be adjusted downward or upward upon request by the student and with faculty approval.
- The department head has the authority to approve student requests for exceptions to the above placement guidelines.

Retroactive credit

Students who bypass levels in a language sequence as a result of initial placements determined through placement exam scores or faculty proficiency assessments may request retroactive credit for lower courses in the sequence if they complete the course into which they are initially placed with a B or better. Students who intend to major or minor in a language program may receive up to 12 hours of retroactive credit. Otherwise, the limit is 6 hours.

Accelerated pathway – Spanish minor

Because the Department recognizes that many students have acquired proficiency in Spanish as a result of previous exposure to and experience with the language, it has established an accelerated pathway for completion of the minor. The accelerated pathway allows students with demonstrated language abilities to begin at a higher point in the regular sequence. Eligible students must complete their first course (usually SPN 312) with a B or better to receive nine hours of retroactive credit. They then complete the minor by passing two additional upper-division Spanish electives.

Learners from the following groups may be eligible for the accelerated pathway, pending verification of their language proficiency:

- Heritage speakers - learners raised in Spanish-speaking households who completed secondary education in the United States.
- Native speakers - learners who completed secondary education in countries where Spanish is the primary language.
- Other speakers with advanced proficiency - learners who have developed high degrees of functional language ability because of intensive study or long-term residency in Spanish-speaking countries.

Students interested in pursuing the accelerated pathway should call the MCL office and request an appointment with the department head for an eligibility assessment.

Teacher certification

In conjunction with the College of Education, the Department offers a variety of fully accredited teacher certification options, including the Bachelor of Science in Modern Language, post-baccalaureate certification, and graduate-level alternatives.

The Foreign Language Institute

By combining students and instructional resources from Missouri State University and other area universities, the Foreign Language Institute (FLI) allows students to study languages that otherwise might not be available in the region. Missouri State University students may enroll in and receive academic credit for FLI courses in less commonly taught and critical languages, such as Arabic, Chinese, Italian, Japanese, Korean, Russian, and Portuguese. The FLI is jointly administered by the Department of Modern and Classical Languages and International Programs.

Program requirements and restrictions

Bachelor of Arts language requirement

All students pursuing a Bachelor of Arts degree must complete a language requirement of 12 hours. Students may complete 12 hours in a single language offered by the Department of Modern and Classical Languages to meet this requirement. Students with advanced proficiency in a language other than English may be exempted from this requirement with approval from the head of the Department of Modern and Classical Languages.

Bachelor of Arts fine arts restriction

Literature courses in this department will count toward the Fine Arts requirement provided those courses have not also been used to meet the foreign language requirement.

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Missouri State

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Missouri State

Office of the Registrar
Undergraduate Catalog

Modern and Classical Languages Courses

Arabic (ARB) courses

ARB 101 Elementary Arabic I

This course is the first part of the introductory sequence in Arabic. Students acquire Novice Mid-level proficiency in the interpersonal, interpretive, and presentational communicative modes and begin to explore the cultural perspectives, products, and practices of Arabic-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall	LANG 105 - Foreign Language I.

CORE 42 MOTRANSFER GUARANTEED Access the CORE 42 portal

ARB 102 Elementary Arabic II

Prerequisite: C or better in ARB 101.

This course is the second part of the introductory sequence in Arabic. Students reinforce Novice Mid-level proficiency and acquire Novice High-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Arabic-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Spring	LANG 106 - Foreign Language II.

CORE 42 MOTRANSFER GUARANTEED Access the CORE 42 portal

ARB 201 Intermediate Arabic I

Prerequisite: C or better in ARB 102.

This course is the first part of the intermediate sequence in Arabic. Students reinforce Novice High-Level proficiency and acquire Intermediate Low-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Arabic-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ARB 202 Intermediate Arabic II

Prerequisite: C or better in ARB 201.

This course is the second part of the intermediate sequence in Arabic. Students reinforce Intermediate Low-Level proficiency and acquire Intermediate Mid-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Arabic-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ARB 297 Special Topics in Arabic

Prerequisite: permission of instructor and department head.

Topics of selected interest in Arabic studies, including travel courses to Arabic-speaking countries. The specific subject matter and/or international component may vary according to resources and demand. Variable content course. May be repeated, as topics change, to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

ARB 305 Advanced Arabic Proficiency Skills

Prerequisite: C or better in ARB 202.

Readings and discussions in modern standard Arabic, continuing the method used in teaching ARB 201 and 202. Enhances communicative skills by providing intensive practice in reading, writing, listening, speaking and active control of grammar and vocabulary.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

Chinese (CHI) courses

CHI 101 Elementary Chinese I

This course is the first part of the introductory sequence in Chinese. Students acquire Novice Mid-level proficiency in the interpersonal, interpretive, and presentational communicative modes and begin to explore the cultural perspectives, products, and practices of Chinese-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall	LANG 105 - Foreign Language I.

Access the CORE 42 portal

CHI 102 Elementary Chinese II

Prerequisite: C or better in CHI 101.

This course is the second part of the introductory sequence in Chinese. Students reinforce Novice Mid-level proficiency and acquire Novice High-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Chinese-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CHI 201 Intermediate Chinese I

Prerequisite: C or better in CHI 102.

This course is the first part of the intermediate sequence in Chinese. Students reinforce Novice High-Level proficiency and acquire Intermediate Low-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Chinese-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CHI 202 Intermediate Chinese II

Prerequisite: C or better in CHI 201.

This course is the second part of the intermediate sequence in Chinese. Students reinforce Intermediate Low-Level proficiency and acquire Intermediate Mid-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Chinese-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CHI 297 Special Topics in Chinese

Prerequisite: permission of instructor and department head.

Topics of selected interest in Chinese studies, including travel courses to Chinese-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. Variable content course. May be repeated, as topics change, to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

CHI 311 Chinese Reading and Conversation

Prerequisite: CHI 202.

A course designed to develop and refine students' conversational and reading skills through short speeches, group discussion, free conversation and reading. Variable content course. May be repeated, as content changes, to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CHI 312 Chinese Reading and Composition

Prerequisite: CHI 202.

This course is designed to help students strengthen and expand their reading and writing skills in Chinese through the reading of authentic Chinese articles, grammar review, and writing practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CHI 410 Translation

Prerequisite: CHI 312.

Activities and exercises focused on oral and written translation for career fields. May be repeated once with different content.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CHI 415 Business and Professional Chinese

Prerequisite: CHI 312 or above.

Introduction to Chinese language and culture as used in business and selected professions. Variable content course. May be repeated once with different content.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CHI 498 Seminar Course in Chinese

Prerequisite: C or better in CHI 202 or permission of instructor and department head.

Supervised independent study in Chinese language, literature, and culture. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

French (FRN) courses

FRN 101 Elementary French I

This course is the first part of the introductory sequence in French. Students acquire Novice Mid-level proficiency in the interpersonal, interpretive, and presentational communicative modes and begin to explore the cultural perspectives, products, and practices of French-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall	LANG 101 - French I.

Access the CORE 42 portal

FRN 102 Elementary French II

Prerequisite: C or better in FRN 101.

This course is the second part of the introductory sequence in French. Students reinforce Novice Mid-level proficiency and acquire Novice High-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of French-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Spring	LANG 102 - French II.

Access the CORE 42 portal

FRN 201 Intermediate French I

Prerequisite: C or better in FRN 102.

This course is the first part of the intermediate sequence in French. Students reinforce Novice High-Level proficiency and acquire Intermediate Low-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of French-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

FRN 202 Intermediate French II

Prerequisite: C or better in FRN 201.

This course is the second part of the intermediate sequence in French. Students reinforce Intermediate Low-Level proficiency and acquire Intermediate Mid-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of French-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

FRN 297 Special Topics in French

Prerequisite: permission of instructor and department head.

Topics of selected interest in French studies, including travel-courses to French-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. Variable content course. May be repeated, as topics change, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

FRN 300 Service Learning in French

Prerequisite: 30 hours and concurrent registration in a French course at the 202 level or above.

This service learning component for the existing French curriculum incorporates community service with classroom instruction to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service providing instruction or other community service in the Springfield-area schools and other community groups. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

FRN 311 French Conversation

Prerequisite: FRN 201.

Oral practice in short speeches, group discussion and free conversation. May be repeated, as content changes, to a maximum of 6 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

FRN 312 French Grammar and Composition

Prerequisite: FRN 202.

Review of French grammar with writing practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

FRN 324 Topics in Francophone Linguistics

Prerequisite: FRN 312.

This course develops students' understanding of issues in Francophone linguistics by exploring such topics as phonetics and phonology, morphology and syntax, semantics, history of the language, and regional and social language variation. The emphasis will most often be on the area of phonetics and phonology. May be repeated once with different content. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FRN 326 Culture Populaire

Prerequisite: FRN 202.

History and culture of France and francophone countries; includes geography, philosophy and arts. May be repeated, as content changes, to a maximum of 6 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

FRN 335 L'Esprit francais

Prerequisite: FRN 312 or permission of instructor.

Through the study of artistic works, including fine arts, cinema, and literature, students will become more familiar with the origins, lives and influences of the most prominent Francophone figures and symbolic icons. Students will learn how to read, analyze, interpret, and discuss a wide selection of works and concepts in French; and to synthesize the material into an accurate and coherent picture of French literary and cultural developments. Variable content course. Repeatable up to 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FRN 381 French Literature from the Middle Ages to the Enlightenment

Prerequisite: FRN 312.

A survey of authors, movements, ideas, and styles, e.g., Villon, Montaigne, Rabelais, Pascal, Rousseau.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FRN 382 French Literature of the 19th and 20th Centuries

Prerequisite: FRN 312.

A survey of representative work, e.g., Hugo, Flaubert, Camus.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FRN 410 Translation

Prerequisite: FRN 312.

Activities and exercises on oral and written translation focusing on career fields. May be repeated as course content changes up to 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FRN 412 Le Cinema francophone

Prerequisite: FRN 312 or permission of instructor.

A study of culture, language, and literature through francophone film. Repeatable up to 6 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FRN 414 Le Francais Vivant

Prerequisite: FRN 202.

A course designed to increase French fluency and comprehension, emphasizing modern, useful French as it is spoken today by natives. Students will explore the French language in a broad range of real everyday situations. Topics include idiomatic expressions, slang, spoken contractions, French non-verbal communication, and the language of the internet. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

FRN 415 Vivre et Travailler en francais

Prerequisite: FRN 312 or permission of instructor.

Social and business interactions in the francophone world. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

FRN 495 Advanced Undergraduate Seminar in French

Prerequisite: FRN 312 and FRN 326 or permission of instructor.

Study of advanced topics relating to language and proficiency development or literary and cultural themes in French or Francophone cultures. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FRN 498 Seminar Course in French

Prerequisite: permission of instructor and department head.

Supervised independent study in literature, linguistics or other restricted topics. May be repeated for maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

FRN 590 Advanced French Grammar

Prerequisite: FRN 312 or permission of instructor.

Students improve their mastery of complex grammatical features in French through the analysis of authentic spoken and written texts. Through iterative processes of text development, they will produce advanced narratives on different themes. May be taught concurrently with FRN 690. Cannot receive credit for both FRN 590 and FRN 690.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

FRN 624 Advanced Topics in Francophone Linguistics

Prerequisite: ENG 691 or MCL 691 or permission of instructor.

This graduate seminar focuses on specific issues in Francophone linguistics. Topics may include the study of French in its social and political contexts, French phonetics and phonology, French syntax and morphology, language variation and change in the French-speaking world, historical perspectives, and developments in theoretical and applied French linguistics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (even-numbered years)

FRN 690 Advanced French Grammar

Prerequisite: permission of instructor.

Students improve their mastery of complex grammatical features in French through the analysis of authentic spoken and written texts. Through iterative processes of text development, they will produce advanced narratives on different themes. They will also explore theories pertaining to the acquisition of language structures, and related approaches to teaching grammar to second-language learners. May be taught concurrently with FRN 590. Cannot receive credit for both FRN 690 and FRN 590.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

FRN 725 Seminar in Francophone Literature and Culture

This course will enhance students' language proficiency and cultural competence through the interpretation and analysis of selected literary, philosophical, and cultural texts from the Francophone tradition. Variable content course. May be repeated once with changed content.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FRN 735 Advanced French Proficiency

After an assessment of global language proficiency, students receive personalized guidance and selected periodic assessments to help them to strengthen their interpretive, interpersonal, and presentational skills in the target language. This course designation may also be used to grant credit for prior learning on the basis of established proficiency assessments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-12			Upon demand

German (GRM) courses

GRM 101 Elementary German I

This course is the first part of the introductory sequence in German. Students acquire Novice Mid-level proficiency in the interpersonal, interpretive, and presentational communicative modes and begin to explore the cultural perspectives, products, and practices of German-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall	LANG 105 - Foreign Language I.

Access the CORE 42 portal

GRM 102 Elementary German II

Prerequisite: C or better in GRM 101.

This course is the second part of the introductory sequence in German. Students reinforce Novice Mid-level proficiency and acquire Novice High-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of German-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Spring	LANG 106 - Foreign Language II.

Access the CORE 42 portal

GRM 201 Intermediate German I

Prerequisite: C or better in GRM 102.

This course is the first part of the intermediate sequence in German. Students reinforce Novice High-Level proficiency and acquire Intermediate Low-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of German-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

GRM 202 Intermediate German II

Prerequisite: C or better in GRM 201.

This course is the second part of the intermediate sequence in German. Students reinforce Intermediate Low-Level proficiency and acquire Intermediate Mid-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of German-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GRM 297 Special Topics in German

Prerequisite: permission of instructor and department head.

Topics of selected interest in German studies, including travel-courses to German-speaking countries. The specific subject matter and/or inter-national component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

GRM 300 Service Learning in German

Prerequisite: 30 hours and concurrent registration in a German course at the 202 level or above.

This service component for the existing German curriculum incorporates community service with classroom instruction to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service providing instruction or other community service in the Springfield-area schools and other community groups. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

GRM 304 Conversational Strategies

Prerequisite: GRM 201.

This course will introduce students to strategies for conversing in the target language. Emphasis will be placed on building vocabulary, developing listening comprehension skills, learning how to construct discussions and to use appropriate expressions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GRM 311 German Reading and Conversation

Prerequisite: GRM 202.

A structured course designed to develop and refine students reading and conversational skills. May be repeated, as content changes, to a maximum of 6 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRM 312 German Composition

Prerequisite: GRM 311.

A writing intensive course designed to introduce students to a variety of text types. Emphasis is placed on recognizing the differences among the texts and student practice in preparing similar original texts. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRM 320 German Cinema

Prerequisite: GRM 202.

The survey of major films produced in Germany serves as a basis for the study of German culture, German language, and German literature. Course emphasizes the way that film content and theme development are useful in analyzing German language usage and culture in selected films. Subject will vary from semester to semester. Examples: History and Culture Through Film; From Novel to Film; East German Film; The Image of Women in Film. Repeatable up to 6 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRM 325 Kulturkunde der deutschsprachigen Lander

Prerequisite: GRM 202.

An introduction to major historical periods and cultural movements of the German-speaking countries. Study includes geography, history, philosophy and the arts. Variable content course. May be repeated up to 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRM 400 Praktikum

Prerequisite: permission of instructor.

A focused course that students can combine with other German classes in order to pursue a special interest within the normal course content. May be repeated with a different content to a maximum of 3 credit hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GRM 410 Translation

Prerequisite: GRM 312.

Activities and exercises focused on oral and written translation on career fields.

Activities and exercises focused on oral and written translation on career fields.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRM 415 German for Professional and Business Use

Prerequisite: GRM 311 or above.

Focus on advanced speaking and reading proficiency for applied use in professional fields such as administration, international relations, global studies and business.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRM 455 Masterpieces of 19th Century German Literature

Prerequisite: GRM 311 or above.

Selected works or authors from the 19th century. May be repeated once with a different topic. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRM 465 Masterpieces of 20th Century German Literature

Prerequisite: GRM 311 or above.

Selected works or authors from the 20th century. May be repeated once with a different topic. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRM 475 Topics in German(ic) Literature and Culture

Prerequisite: GRM 311 or above.

Selected topics in German(ic) literature and culture. May be repeated once with a different topic. Variable content course. May be taught concurrently with GRM 375. Students enrolled in GRM 475 will complete more advanced assignments. Cannot receive credit for both GRM 375 and GRM 475.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRM 485 Thematic Approaches to German Literature

Prerequisite: GRM 311 or above.

A survey of German literature across multiple centuries from the perspective of a particular theme. May be repeated once as topics change. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRM 495 Advanced Undergraduate Seminar in German

Prerequisite: GRM 312 and GRM 325 or permission of instructor.

Study of advanced topics relating to language and proficiency development or literary and cultural themes in German-language cultures. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRM 498 Seminar Course in German

Prerequisite: permission of instructor and department head.

Supervised independent study in literature, linguistics or other restricted topics. May be repeated for no more than 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

Greek (GRK) courses

GRK 101 Elementary Ancient Greek I

Essentials of grammar and vocabulary building through reading and writing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRK 102 Elementary Ancient Greek II

Prerequisite: C or better in GRK 101.

Continuation of GRK 101.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRK 201 Intermediate Ancient Greek I

Prerequisite: C or better in GRK 102.

Continuation of GRK 102 with increased emphasis on reading.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRK 202 Intermediate Ancient Greek II

Prerequisite: C or better in GRK 201.

Introduction to Greek literature; analysis of its subjects, forms, and ideals.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRK 297 Special Topics in Greek

Prerequisite: permission of instructor and department head.

Topics of selected interest in Greek studies, including travel courses to Greek-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. Variable content course. May be repeated, as topics change, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

GRK 301 Studies in Greek Prose

Prerequisite: C or better in GRK 201.

An introduction to ancient Greek prose: study of the New Testament and/or such writers as Xenophon, Herodotus, Plato, and Lysias. May be repeated once with changed content. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRK 302 Studies in Greek Poetry

Prerequisite: C or better in GRK 201.

An introduction to ancient Greek poetry: study of works by such writers as Homer, Sophocles, and Euripides. May be repeated once with changed content. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRK 498 Seminar Course in Ancient Greek

Prerequisite: C or better in GRK 202 and permission of instructor and department head.

Supervised independent study in Greek literature and translation. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GRK 503 Advanced Greek Translation

Prerequisite: GRK 202.

Advanced training in the skills of translating and explicating texts in classical and koine Greek. May be repeated to 9 hours if topic varies. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

Hebrew (HBW) courses

HBW 101 Elementary Biblical Hebrew I

The essentials of grammar and vocabulary building of Ancient Hebrew through reading and writing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HBW 102 Elementary Biblical Hebrew II

Prerequisite: C or better in HBW 101.

Continuation of HBW 101.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HBW 201 Intermediate Biblical Hebrew I

Prerequisite: C or better in HBW 102.

Continuation of HBW 102, with increased emphasis on reading.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HBW 202 Intermediate Biblical Hebrew II

Prerequisite: C or better in HBW 201.

Introduction to Ancient Hebrew Literature; analysis of its subject, forms and ideals.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HBW 297 Special Topics in Hebrew

Prerequisite: permission of instructor and department head.

Topics of selected interest in Hebrew studies, including travel courses to Hebrew-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

Hindi (HIN) courses

HIN 101 Elementary Hindi I

This course is first part of the introductory sequence in Hindi. Students acquire Novice Mid-level proficiency in the interpersonal, interpretive, and presentational communicative modes and begin to explore the cultural perspectives, products, and practices of Hindi-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

HIN 102 Elementary Hindi II

This course is second part of the introductory sequence in Hindi. Students reinforce Novice Mid-level proficiency and acquire Novice High-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Hindi-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

Italian (ITL) courses

ITL 101 Elementary Italian I

This course is the first part of the introductory sequence in Italian. Students acquire Novice Mid-level proficiency in the interpersonal, interpretive, and presentational communicative modes and begin to explore the cultural perspectives, products, and practices of Italian-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall	LANG 105 - Foreign Language I.

Access the CORE 42 portal

ITL 102 Elementary Italian II

Prerequisite: C or better in ITL 101.

This course is the second part of the introductory sequence in Italian. Students reinforce Novice Mid-level proficiency and acquire Novice High-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Italian-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Spring	LANG 106 - Foreign Language II.

Access the CORE 42 portal

ITL 201 Intermediate Italian I

Prerequisite: C or better in ITL 102.

This course is the first part of the intermediate sequence in Italian. Students reinforce Novice High-Level proficiency and acquire Intermediate Low-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Italian-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ITL 202 Intermediate Italian II

Prerequisite: C or better in ITL 201.

This course is the second part of the intermediate sequence in Italian. Students reinforce Intermediate Low-Level proficiency and acquire Intermediate Mid-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Italian-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ITL 297 Special Topics in Italian

Prerequisite: permission of instructor and department head.

Topics of selected interest in Italian studies, including travel courses to Italian-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

Japanese (JPN) courses

JPN 101 Elementary Japanese I

This course is the first part of the introductory sequence in Japanese. Students acquire Novice Mid-level proficiency in the interpersonal, interpretive, and presentational communicative modes and begin to explore the cultural perspectives, products, and practices of Japanese-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall	LANG 105 - Foreign Language I.

Access the CORE 42 portal

JPN 102 Elementary Japanese II

Prerequisite: C or better in JPN 101.

This course is the second part of the introductory sequence in Japanese. Students reinforce Novice Mid-level proficiency and acquire Novice

This course is the second part of the introductory sequence in Japanese. Students reinforce Novice Mid-level proficiency and acquire Novice High-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Japanese-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Spring	LANG 106 - Foreign Language II.

Access the CORE 42 portal

JPN 201 Intermediate Japanese I

Prerequisite: C or better in JPN 102.

This course is the first part of the intermediate sequence in Japanese. Students reinforce Novice High-Level proficiency and acquire Intermediate Low-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Japanese-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

JPN 202 Intermediate Japanese II

Prerequisite: C or better in JPN 201.

This course is the second part of the intermediate sequence in Japanese. Students reinforce Intermediate Low-Level proficiency and acquire Intermediate Mid-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Japanese-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

JPN 297 Special Topics in Japanese

Prerequisite: permission of instructor and department head.

Topics of selected interest in Japanese studies, including travel courses to Japanese-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

JPN 311 Japanese Reading and Conversation

Prerequisite: JPN 202.

This course is designed to further develop and refine students' reading and speaking skills through readings of short texts, group discussions, and free conversation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

JPN 312 Japanese Reading and Composition

Prerequisite: JPN 202.

This course is designed to help students strengthen and expand their reading and writing skills in Japanese through the reading of authentic Japanese articles, grammar review, writing and Kanji practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

Korean (KOR) courses

KOR 101 Elementary Korean I

This course is the first part of the introductory sequence in Korean. Students acquire Novice Mid-level proficiency in the interpersonal, interpretive, and presentational communicative modes and begin to explore the cultural perspectives, products, and practices of Korean-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall	LANG 105 - Foreign Language I.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

KOR 102 Elementary Korean II

Prerequisite: C or better in KOR 101.

This course is the second part of the introductory sequence in Korean. Students reinforce Novice Mid-level proficiency and acquire Novice High-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Korean-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Spring	LANG 106 - Foreign Language II.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

KOR 201 Intermediate Korean I

Prerequisite: C or better in KOR 102.

This course is the first part of the intermediate sequence in Korean. Students reinforce Novice High-Level proficiency and acquire Intermediate Low-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Korean-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

KOR 202 Intermediate Korean II

Prerequisite: C or better in KOR 201.

This course is the second part of the intermediate sequence in Korean. Students reinforce Intermediate Low-Level proficiency and acquire Intermediate Mid-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Korean-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

KOR 297 Special Topics in Korean

Prerequisite: permission of instructor and department head.

Focus on particular aspects of Korean language and/or culture. May also be used to recognize intermediate-level proficiency or as a transfer equivalent for coursework completed at accredited domestic or international institutions. Variable content course. May be repeated, as topics change, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

Language and Literature (LLT) courses

LLT 102 Scientific and Medical Terminology

A study of technical terminology as derived from Greek and Latin elements. Does not fulfill any language requirement.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

LLT 121 Classical Mythology

General Education Course (Focus on Humanities).

A study of Greek and Roman myths and legends as they appear in art, music and literature, especially epic and tragedy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	LITR 201 - Mythology.

Access the CORE 42 portal

LLT 180 The Heroic Quest

General Education Course (Focus on Cultural Competence).

Human societies have long used the theme of the quest for self-knowledge as a vehicle to assess their own cultures and to explore ethical situations arising in civic life. This course examines texts from diverse cultural traditions in which protagonists confront their inherited identity of culture and language, providing a broader perspective on self-discovery in our own society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

LLT 215 Asian Cultural Studies

A survey of Asian civilization, touching on history, literature, language, art, religion, philosophy, and culture. Course may focus on either China or Japan. May be repeated once with changed content.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LLT 225 German Cultural Studies

This course presents major historical periods and cultural movements as background information necessary to the study of the literature and culture of the German speaking countries. Major movements of art, literature, music, history, and philosophy will be treated. In order to count for any German major or minor, course must be taken concurrently with a GRM course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LLT 240 Epics From Classical Antiquity

A comparative study of epic poems in the ancient Mediterranean area. Epics considered will be used to present differing cultural views and how these views have affected and formed the western heroic tradition.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

LLT 271 Special Topics in German(ic) Literature in English Translation

This is a variable content course. May be repeated once for credit. In order to count for any German major or minor, course must be taken concurrently with a GRM course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LLT 296 Major Authors in Translation

A course in comparative literature offered in English translation covering one of the following areas: (a) Asian, (b) Germanic, (c) Latin America, (d) Latin and Greek, (e) Romance, and (f) Slavic. May be taken once under each of the six titles. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LLT 321 Comparative Mythology

Comparison of the ancient myths of Greece, Rome, Northern Europe, Mesopotamia, Egypt, the Far East, and the Americas. Readings are taken from ancient sources and modern interpretation. Lectures, discussion and writing assignments will deal with major deities and heroes, the ancient mystery religions and creation epics, with emphasis on cultural background borrowings, common structures of myth, and methods of interpretation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LLT 325 Greek Civilization

A survey of Greek civilization. Lectures will be based on art, archaeology, literature, and history of classical Greece and will include private life, personal religion, the professions, and literature's reflection of culture. Slide lectures.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

LLT 326 Roman Civilization

A survey of Roman civilization. Lectures will be based on the art, archaeology, literature, and history of ancient Rome and will include private life, personal religion, the professions, and literature's reflection of culture. Slide lectures.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Latin (LTN) courses

LTN 101 Elementary Latin I

Grammar and pronunciation; vocabulary study through reading and derivative study.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

LTN 102 Elementary Latin II

Prerequisite: C or better in LTN 101.

Continuation of LTN 101.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

LTN 201 Intermediate Latin I

Prerequisite: C or better in LTN 102.

Continuation of LTN 102, with increased emphasis on reading.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

LTN 202 Intermediate Latin II

Prerequisite: C or better in LTN 201.

Introduction to Latin literature, analysis of its subjects, forms and ideals.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

LTN 312 Latin Composition

Prerequisite: LTN 202.

Review of grammar with practice in writing, giving emphasis to style.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LTN 450 Readings in Roman Public Affairs

Prerequisite: LTN 202.

Readings in authors (Cicero, Seneca, Cato, inter alios) and genres (oratory, philosophy, letters) treating Roman civic life. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LTN 451 Roman Elegy and Lyric

Prerequisite: LTN 202.

Designed to introduce students of classics to prominent Latin lyric poets (Catullus and Horace), and to the major works of the elegiac writers (Ovid, Propertius and Tibullus, inter alios). Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LTN 460 Roman History

Prerequisite: LTN 202.

Intensive reading in one or more major historical writers from the time of Caesar to the reign of Trajan: Livy, Nepos, Sallust, Suetonius, or Tacitus. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LTN 461 Roman Epic

Prerequisite: LTN 202.

Designed primarily to provide students of the Classics with a sense of appreciation for Rome's masterpiece, Vergil's Aeneid, as well as some of the writing of other epic authors, e.g. Lucan, Statius, Valerius Flaccus, et al. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LTN 470 Roman Letters and Personal Life

Prerequisite: LTN 202.

A study of works reflecting the Roman way of life outside the political arena, including personal letters of Pliny, the Roman novel (Petronius and Apuleius), and the Philosopher's mediations on friendship, old age, and other aspects of the human condition (Cicero, Seneca). Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LTN 471 Roman Satire

Prerequisite: LTN 202.

Works of Roman satire by such authors as Horace, Petronius, Persius, Martial, and Juvenal. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LTN 480 Research in Latin Literature

Prerequisite: LTN 202.

A writing project designed to develop skills necessary for research in original texts of ancient authors. Must be taken in conjunction with LTN 450, 451, 460, 461, 470, 471 or 485. May be repeated once for a maximum of 2 hours. Does not count toward the 12-hour B.A. language requirement.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

LTN 485 Patristics and Late Latin Writers

Prerequisite: LTN 202.

Introduction to post-Roman Latin used from Christian period through the Renaissance. Readings from sources such as St. Augustine, Jerome, Carmina Burana, Medieval fables, Erasmus, and Sir Thomas More. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LTN 499 Independent Studies in Latin

LTN 499 Independent Studies in Latin

Prerequisite: permission of instructor and department head.

Supervised independent study in literature, linguistics or other restricted topics. May be repeated for maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

LTN 525 Seminar in Latin Literature

Prerequisite: 60 hours and permission of instructor or department head.

Selected topics in Latin literature such as genre studies, period studies, or concentration on one or more authors. May be repeated once with changed content. Variable content course. May be taught concurrently with LTN 625. Cannot receive credit for both LTN 625 and LTN 525.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LTN 625 Seminar in Latin Literature

Selected topics in Latin literature such as genre studies, period studies, or concentration on one or more authors. May be repeated once with changed content. Variable content course. May be taught concurrently with LTN 525. Cannot receive credit for both LTN 525 and LTN 625.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

Modern and Classical Languages (MCL) courses

MCL 197 Introduction to a Foreign Language

Special elementary studies in a foreign language and culture. May be repeated, as topics change, to a maximum of 6 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

MCL 200 Global Perspectives on Languages and Cultures in Society

General Education Course (Focus on Cultural Competence).

This course presents a survey of a variety of world languages and the cultures that share them. Class discussions and readings emphasize the connections between languages and geopolitical, historical, and cultural themes, which will also allow students an exploration of academic and professional career opportunities in fields that require language skills and cultural competency.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MCL 297 Intermediate Studies in a Foreign Language

Special intermediate studies in a foreign language and culture. May be repeated, as topics change, to a maximum of 6 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

MCL 303 Coping with Culture

This course is designed to introduce students to a discipline-specific (e.g., Hotel and Restaurant Management; Agribusiness; International Finance, Business and Banking; Languages for Vocalists, Scientists, et al.; Travel Industry; Medical Professions, etc.) understanding of cultural differences and to provide them with a limited vocabulary specific to their discipline. It gives students a rudimentary idea of how languages (e.g., French, German, Spanish) work, and helps them achieve a basic level of expression in these languages in situations relative to their profession. In this semester-long course, students rotate every five weeks from one language instructor to another.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MCL 310 Introduction to Translation and Interpreting

Prerequisite: CHI 202 or FRN 202 or GRM 202 or SPN 202 or permission of instructor.

This non-language-specific course introduces students to key concepts in translation and interpreting theory and practice, including terminology and concepts from linguistics applicable to translation, the role of translation and interpreting in local and global nonprofit and professional contexts, and information about training and certification programs. This course provides a conceptual foundation for other, language-specific courses.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MCL 397 Advanced Studies in a Foreign Language

Special advanced studies in a foreign language and culture. May be repeated, as topics change, to a maximum of 6 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

MCL 400 Foreign Language Practicum

Prerequisite: permission of instructor.

A focused and applied course that students can combine with other language classes in order to pursue a special interest. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

MCL 410 Translation Capstone Project

Prerequisite: permission of instructor and department head.

Students work closely with a partner or client from the community and a faculty mentor from their language area to complete a substantial, professional-grade translation project that integrates the theoretical concepts and practical skills obtained in previous translation-related coursework.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

MCL 413 Teaching of Foreign Languages

Prerequisite: equivalent of 12 hours in foreign language, EDC 350, and admitted to Teacher Education Program.

Teaching of foreign languages in secondary schools; practical application of techniques and methods. The practical application includes a practicum with teaching and observation components. Credited only on BSEd (Secondary). A grade of C or better is required in this course in order to take MCL 493 or MCL 496. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Fall

MCL 491 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

MCL 493 Supervised Teaching Seminar

Prerequisite: MCL 413; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; approval for supervised teaching; all course work required for the major in Modern Languages-Teacher Education Option completed; minimum combined (Missouri State and transfer) GPA of 2.75; minimum GPA of 3.00 in Modern Language of Certification, with no grade lower than a "C"; minimum GPA of 3.00 in professional education; and concurrent enrollment in MCL 496.

A seminar focused on the analysis of diverse aspects of teaching modern languages, to include second-language proficiency and literacy development, student learning and assessment, and field experiences during student teaching. Topics may include: Proficiency, Best Practices, The Job Search, Professional Development, Diversity, Assessment, and Classroom Management. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

MCL 495 Languages and Society Capstone

Prerequisite: permission of instructor or department head.

In this capstone course for modern languages majors, students work closely with a faculty mentor from their language area to complete a project or degree paper which relates their previous coursework and other language-intensive experiences (such as study away) to the University's public affairs mission. The course may also include other kinds of assessments designed to measure the degree to which students have mastered program-specific learning outcomes. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MCL 496 Supervised Teaching

Prerequisite: concurrent enrollment in MCL 493.

Student observes then teaches under the direction of the cooperating teacher and university supervisor. Student participates in school-related activities and attends both individual and group conferences. The course will include regular meetings with the University supervisor. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. The course will also include submission of the required state performance assessment from the supervised teaching. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
10			Fall, Spring

MCL 497 Superior Studies in a Foreign Language

Special superior studies in a foreign language and culture. May be repeated, as topics change, to a maximum of 6 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

MCL 499 Program Assessment

Prerequisite: permission of instructor.

Learning outcomes assessment required of all students graduating with MCL majors, including teacher education candidates. In order to complete the course with a passing grade, students must submit official results for each of the assessments identified for their program(s). Assessments vary by program, are subject to change, and may require the payment of registration fees by the student. Students are encouraged to consult departmental faculty or the department's web site for current information regarding assessments and fees. Students should only register for this course and schedule the requisite assessments during the semester or term in which they intend to graduate or during their final semester of residency. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0	0	0	Upon demand

MCL 550 Advanced Study Abroad

Prerequisite: FRN 311 or GRM 311 or SPN 205 and permission of instructor and language advisor.

Study in an area of the world where the target language is spoken. This may be taken through the Department's existing program or at any accredited institution. May be taught concurrently with MCL 650. Cannot receive credit for both MCL 650 and MCL 550.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-6			Upon demand

MCL 597 Topics for Teachers of Foreign Languages

Prerequisite: 60 hours.

Topics of discipline-specific interest to foreign language teachers, e.g., specialized technological resources or contemporary cultural materials. Sections may be specific to a particular language or concern general pedagogical issues. May be repeated up to 6 hours. Variable content course. May be taught concurrently with MCL 697. Cannot receive credit for both MCL 697 and MCL 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

MCL 650 Advanced Study Abroad

Study in an area of the world where the target language is spoken. This may be taken through the Department's existing program or at any accredited institution. May be taught concurrently with MCL 550. Cannot receive credit for both MCL 550 and MCL 650.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-6			Upon demand

MCL 688 Sociolinguistics for Language Teaching

This course explores various sociolinguistic topics, with an emphasis on those relevant for language teaching, such as language attitudes; standard languages; literacy; language variation; multilingualism; language planning and policy; and language maintenance and loss. Cannot receive credit for MCL 688 and ENG 688 or ENG 592.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

MCL 691 Principles of Linguistics

This advanced survey of linguistics covers areas such as phonology, morphology, syntax, semantics, discourse, pragmatics, language change, and language variation. Cannot receive credit for both MCL 691 and ENG 691 or 591.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MCL 695 Principles of Second Language Acquisition

This course blends a historical overview of language acquisition theories with a focus on recent developments and their impact on second-language instructional methodologies. Cannot receive credit for both MCL 695 and ENG 695 or ENG 595.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MCL 697 Topics for Teachers of Foreign Languages

Topics of discipline-specific interest to foreign language teachers, e.g., specialized technological resources or contemporary cultural materials. Sections may be specific to a particular language or concern general pedagogical issues. May be repeated up to 6 hours. Variable Content Course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

MCL 700 Advanced Language Teaching Methods and Technology

This course will acquaint language teachers with current second language research and teaching practice, with emphasis on the uses of technology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MCL 701 Applied Foreign Language Practicum

Prerequisite: permission of instructor.

An independent studies option designed to allow students to work closely with a graduate faculty mentor to develop and implement a project that integrates principles and/or practices pertinent to second language acquisition or applied linguistics. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

MCL 706 Materials and Assessments in Foreign Language Teaching

Prerequisite MCL 700. This course reviews theoretical perspectives in foreign language teaching and learning, addressing their practical applications for the development of classroom materials and assessments. Students design teaching activities to promote the development of language knowledge and skills that focus on speaking, listening, reading, pronunciation, grammar, vocabulary, pragmatics and cultural competence.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MCL 710 Research Methods in Second Language Acquisition

This course focuses on methods of conducting research in the area of second-language acquisition. Students will learn how to read, interpret, synthesize, and apply SLA research and how to design and conduct studies and disseminate results.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MCL 724 Seminar in Linguistics for Foreign Languages

Focused exploration of topics in linguistics, phonetics and phonology, semantics, grammar and syntax, language history, language variation and change, and language acquisition as they pertain to French and/or Spanish. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

MCL 730 Summer Invitational Institute

Prerequisite: permission of Program Coordinator or Department Head.

An intensive course in the writing process and the writing curriculum, designed for experienced K-16 teachers across the disciplines using

An intensive course in the writing process and the writing curriculum, designed for experienced K-16 teachers across the disciplines using the National Writing Project model. Readings of current theory and research will be related to participants' experiences as writers and as teachers. Cannot receive credit for both MCL 730 and ENG 730.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-6			Spring

MCL 798 Degree Papers

Prerequisite: permission of Department Head or Program Coordinator.

Independent research and writing toward completion of degree papers. Consultation with a designated MCL/ENG graduate faculty member and topic approval from the Program Coordinator or the Department Head are required. Not open to students writing theses to satisfy the master's research requirement. May not be repeated. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MCL 799 Thesis

Prerequisite: permission of instructor.

In consultation with MCL and Education advisors, a student may elect to write a thesis on a topic within the discipline. May be repeated up to 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

Portuguese (PTG) courses

PTG 101 Elementary Portuguese I

This course is the first part of the introductory sequence in Portuguese. Students acquire Novice Mid-level proficiency in the interpersonal, interpretive, and presentational communicative modes and begin to explore the cultural perspectives, products, and practices of Portuguese-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall	LANG 105 - Foreign Language I.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

PTG 102 Elementary Portuguese II

Prerequisite: C or better in PTG 101.

This course is the second part of the introductory sequence in Portuguese. Students reinforce Novice Mid-level proficiency and acquire Novice High-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Portuguese-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Spring	LANG 106 - Foreign Language II.



Access the CORE 42 portal

PTG 201 Intermediate Portuguese I

Prerequisite: C or better in PTG 102.

This course is the first part of the intermediate sequence in Portuguese. Students reinforce Novice High-Level proficiency and acquire Intermediate Low-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Portuguese-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PTG 202 Intermediate Portuguese II

Prerequisite: C or better in PTG 201.

This course is the second part of the intermediate sequence in Portuguese. Students reinforce Intermediate Low-Level proficiency and acquire Intermediate Mid-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Portuguese-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PTG 297 Special Topics in Portuguese

Prerequisite: permission of instructor and department head.

Topics of selected interest in Portuguese studies, including travel courses to Portuguese-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

Russian (RUS) courses

RUS 101 Elementary Russian I

This course is the first part of the introductory sequence in Russian. Students acquire Novice Mid-level proficiency in the interpersonal, interpretive, and presentational communicative modes and begin to explore the cultural perspectives, products, and practices of Russian-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall	LANG 105 - Foreign Language I.

Access the CORE 42 portal

RUS 102 Elementary Russian II

Prerequisite: C or better in RUS 101.

This course is the second part of the introductory sequence in Russian. Students reinforce Novice Mid-level proficiency and acquire Novice High-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Russian-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Spring	LANG 106 - Foreign Language II.

Access the CORE 42 portal

RUS 201 Intermediate Russian I

Prerequisite: C or better in RUS 102.

This course is the first part of the intermediate sequence in Russian. Students reinforce Novice High-Level proficiency and acquire Intermediate Low-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Russian-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

RUS 202 Intermediate Russian II

Prerequisite: C or better in RUS 201.

This course is the second part of the intermediate sequence in Russian. Students reinforce Intermediate Low-Level proficiency and acquire Intermediate Mid-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Russian-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

RUS 297 Special Topics in Russian

Prerequisite: permission of instructor and department head.

Topics of selected interest in Russian studies, including travel-courses to Russian speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

RUS 498 Seminar Course in Russian

Prerequisite: permission of instructor and department head.

Supervised independent study in literature, linguistics or other restricted topics. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

Spanish (SPN) courses

SPN 101 Elementary Spanish I

This course is the first part of the introductory sequence in Spanish. Students acquire Novice Mid-level proficiency in the interpersonal, interpretive, and presentational communicative modes and begin to explore the cultural perspectives, products, and practices of Spanish-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	LANG 103 - Spanish I.

Access the CORE 42 portal

SPN 102 Elementary Spanish II

Prerequisite: C or better in SPN 101.

This course is the second part of the introductory sequence in Spanish. Students reinforce Novice Mid-level proficiency and acquire Novice High-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Spanish-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	LANG 104 - Spanish II.

Access the CORE 42 portal

SPN 201 Intermediate Spanish I

Prerequisite: C or better in SPN 102.

This course is the first part of the intermediate sequence in Spanish. Students reinforce Novice High-Level proficiency and acquire Intermediate Low-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Spanish-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SPN 202 Intermediate Spanish II

Prerequisite: C or better in SPN 201.

This course is the second part of the intermediate sequence in Spanish. Students reinforce Intermediate Low-Level proficiency and acquire Intermediate Mid-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Spanish-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SPN 205 Spanish Proficiency Skills

Prerequisite: C or better in SPN 201.

This course focuses on the development of formal and informal oral communication skills through oral practice in authentic contexts stressing extensive vocabulary development and cultural information relevant to the Spanish-speaking world. Native and heritage speakers (students who grew up in households where Spanish was frequently spoken) must enroll in the heritage language section of this course. For details, contact a Spanish section faculty member.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SPN 290 Comprehensive Grammar Review

Prerequisite: SPN 202.

This course is designed to review and practice previously-learned grammatical concepts in Spanish as well as to learn to recognize and use specific advanced structures in the Spanish language. To this end, students will expand their knowledge of vocabulary and grammar through practice in both spoken and written Spanish. This class will be conducted in Spanish. The content and pace of this course are based on the assumption that the student has formally studied Spanish in the recent past.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPN 297 Special Topics in Spanish

Prerequisite: permission of instructor and department head.

Topics of selected interest in Spanish studies, including travel-courses to Spanish-speaking countries. The specific subject matter and/or international component may change from semester to semester according to resources and demand. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

SPN 300 Service Learning in Spanish

Prerequisite: 30 hours and concurrent registration in a Spanish course at the 202 level or above.

This service component for the existing Spanish curriculum incorporates community service with classroom instruction to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service providing instruction or other community service in the Springfield-area schools and other community groups. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

SPN 312 Spanish Composition

Prerequisite: SPN 202 or SPN 205.

This course targets the development of composition skills, focusing on intensive grammar review, vocabulary building, and the discursive and stylistic elements of a variety of written genres. Several essays will be assigned to help students to develop into effective writers in Spanish. Native and heritage speakers (students who grew up in households where Spanish was frequently spoken) must enroll in the heritage language section of this course. For details, contact a Spanish section faculty member.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SPN 314 Advanced Spanish Proficiency Skills

Prerequisite: SPN 205 and SPN 312.

This course examines recent historical events and current popular trends and movements using multiple media sources (films, the internet, magazines, songs, music, photographs and television) to better understand contemporary Hispanic/Spanish culture. The focus of the course is on the development of topics for conversational content, analysis, presentations and written essays in Spanish.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPN 316 Spanish for the Professions

Prerequisite: SPN 312.

Students will learn Spanish-language skills needed in the professional field in order to communicate with Spanish-speaking individuals. This course emphasizes specialized vocabulary building, role-play, and an understanding of Hispanic cultures. The linguistic and cultural insights learned in this course will prepare students to function better in a complex multilingual and multicultural society. Topics may include Spanish for law enforcement, social services, education, medicine, business, and communications.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPN 317 Medical Spanish

Prerequisite: SPN 312.

This course introduces students to Spanish terminology used in health care contexts. In addition to learning medical terminology, students practice and master basic concepts pertinent to communicating in Spanish with patients and health care providers. Students also practice straightforward medical interpreting scenarios.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPN 320 Hispanic Cinema

Prerequisite: SPN 312.

A survey of major, twentieth-century films produced in Spanish throughout the Spanish-speaking world. Course features a study of directors and works, technique of cinematography, film content and theme development, and analysis of Spanish-language usage and culture in selected films. The relationship between film and Spanish literature and art is also studied. Selected films are also viewed and studied over the course of the semester.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Spring

SPN 324 Introduction to Spanish Linguistics

Prerequisite: SPN 312.

Develops students' understanding of issues in Spanish linguistics by exploring such topics as phonetics and phonology, morphology and syntax, semantics, history of the language, and regional and social language variation. Variable content course. May be repeated once with different content.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPN 325 Civilization of Spain

Prerequisite: SPN 312.

Origin and development of Iberian culture; includes geography, history, philosophy and arts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SPN 326 Civilization of Spanish America

Prerequisite: SPN 312.

Origin and development of Spanish American culture; includes geography, history, philosophy, and the arts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPN 410 Translation

Prerequisite: SPN 312.

Activities and exercises in oral and written translation focusing on career fields.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SPN 415 Business and Professional Spanish

Prerequisite: SPN 312 or higher.

Specialized and intensive training in Spanish as used in business and selected professions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	3 **Lecture contact hours**	0 **Lab contact hours**	Fall **Typically offered**

SPN 450 Modern Peninsular Literature

Prerequisite: SPN 312.

Selected works or authors from Modern Peninsular literature. May be repeated once with a different topic. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPN 460 Spanish American Literature

Prerequisite: SPN 312.

Selected works or authors from Spanish American Literature. May be repeated once with a different topic. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SPN 480 Directed Readings

Prerequisite: permission of instructor and department head.

May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SPN 495 Advanced Undergraduate Seminar in Spanish

Prerequisite: SPN 325 or SPN 326; and SPN 450 or SPN 460; or permission of instructor.

Study of advanced topics relating to language and proficiency development or literary and cultural themes in Spanish or Hispanic cultures. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SPN 510 Advanced Translation

Prerequisite: SPN 410.

Builds on the translation and interpreting skills acquired in SPN 410. Students will be exposed to a variety of translation theories and methods and will increase their overall language proficiency as they gain further practical translation experience in a number of genres. May be taught concurrently with SPN 610. Cannot receive credit for both SPN 610 and SPN 510.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPN 524 Advanced Topics in Hispanic Linguistics

Prerequisite: SPN 324.

This course focuses on specific issues in Hispanic linguistics with an emphasis on their applicability to learning and teaching Spanish. Topics may include the study of Spanish in its social and political contexts, Spanish phonetics and phonology, Spanish syntax and morphology, language variation and change in the Spanish-speaking world, historical perspectives, and developments in theoretical and applied Spanish linguistics. May be taught concurrently with SPN 624. Cannot receive credit for both SPN 524 and SPN 624.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

SPN 590 Advanced Spanish Grammar

Prerequisite: SPN 312 or permission of instructor.

Students improve their mastery of complex grammatical features in Spanish through analysis of authentic written texts and spoken language and through practice and application. May be taught concurrently with SPN 690. Cannot receive credit for both SPN 590 and SPN 690.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SPN 610 Advanced Translation

Builds on the translation and interpreting skills acquired in SPN 410. Students will be exposed to a variety of translation theories and methods and will increase their overall language proficiency as they gain further practical translation experience in a number of genres. May be taught concurrently with SPN 510. Cannot receive credit for both SPN 510 and SPN 610.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPN 624 Advanced Topics in Hispanic Linguistics

This course focuses on specific issues in Hispanic linguistics with an emphasis on their applicability to learning and teaching Spanish. Topics may include the study of Spanish in its social and political contexts, Spanish phonetics and phonology, Spanish syntax and morphology, language variation and change in the Spanish-speaking world, historical perspectives, and developments in theoretical and applied Spanish linguistics. May be taught concurrently with SPN 524. Cannot receive credit for both SPN 524 and SPN 624.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

SPN 690 Advanced Spanish Grammar

Students improve their mastery of complex grammatical features in Spanish through analysis of authentic written texts and spoken language and through practice and application. They will also explore theories pertaining to the acquisition of language structures and related approaches to teaching grammar to second language learners. May be taught concurrently with SPN 590. Cannot receive credit for both SPN 590 and SPN 690.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SPN 725 Seminar in Hispanic Literature and Culture

This course will enhance students' language proficiency and cultural competence through the interpretation and analysis of selected literary, philosophical, and cultural texts from the Hispanic tradition. Variable content course. May be repeated once with changed content.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPN 735 Advanced Spanish Proficiency

After an assessment of global language proficiency, students receive personalized guidance and selected periodic assessments to help them to strengthen their interpretive, interpersonal, and presentational skills in the target language. This course designation may also be used to grant credit for prior learning on the basis of established proficiency assessments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-12			Upon demand

Swahili (SWA) courses

SWA 101 Elementary Swahili I

This course is the first part of the introductory sequence in Swahili. Students acquire Novice Mid-level proficiency in the interpersonal, interpretive, and presentational communicative modes and begin to explore the cultural perspectives, products, and practices of Swahili-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SWA 102 Elementary Swahili II

Prerequisite: SWA 101.

This course is second part of the introductory sequence in Swahili. Students reinforce Novice Mid-level proficiency and acquire Novice High-level competence in the interpersonal, interpretive, and presentational communicative modes while continuing to explore the cultural perspectives, products, and practices of Swahili-speaking peoples.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

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Missouri State

Chinese

Minor(s)

Chinese

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Education (non-certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

Complete 18 hours in Chinese beyond CHI 101 and 102. Six hours from the following courses may also count toward this minor: ART 274(3), HST 380(3), HST 381(3), LLT 215(3-6), or PLS 545(3).

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Missouri State

Office of the Registrar
Undergraduate Catalog

Classics-Classical Humanities Concentration

Minor(s)

Classics-Classical Humanities Concentration

Bachelor of Arts

Bachelor of Science

Complete 15 hours from the following: HST 343(3), 597(3)*; LLT 121(3), 240(3), 321(3), 325(3), 326(3); LTN or GRK above 102; PHI 306(3)

when applicable

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https://www.missouristate.edu/registrar/catalog/prog-classics-classical-humanities.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Classics-Concentration in Ancient Greek

Minor(s)

Classics-Concentration in Ancient Greek

Bachelor of Arts

In consultation with advisor, complete 18 hours in Greek beyond courses 101 and 102 with six of those hours being 300-level or higher. LLT 121 or LLT 325 may be counted on this minor.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Classics-Latin Concentration

Minor(s)

Classics-Latin Concentration

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Nursing

Bachelor of Social Work

In consultation with advisor, complete 18 hours in Latin beyond courses 101 and 102.

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Missouri State

French

Minor(s)

French

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Nursing

Bachelor of Social Work

In consultation with advisor, complete 18 hours in French beyond courses 101 and 102.

French

Bachelor of Science in Education (Non-Certifiable)

In consultation with advisor, complete 18 hours in French beyond courses 101 and 102 with six of those hours being 300-level or higher.

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Missouri State

German

Minor(s)

German

Bachelor of Arts

In consultation with advisor, complete 18 hours in German beyond courses 101 and 102. Three hours of either LLT 225 or LLT 271 may be counted on this minor.

German

Bachelor of Applied Science

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Nursing

Bachelor of Social Work

In consultation with advisor, complete 18 hours in German beyond courses 101 and 102.

German

Bachelor of Science in Education (Non-Certifiable)

In consultation with advisor, complete 18 hours in German beyond courses 101 and 102 with six of those hours being 300-level or higher. Three hours of either LLT 225 or LLT 271 may be counted on this minor.

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Missouri State

Japanese

Minor(s)

Japanese

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Education (Non-Certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

Complete 18 hours in Japanese beyond JPN 101 and JPN 102. Six hours from the following courses may also count toward this minor: ANT 334(3), ART 274(3), LLT 215(3-6), or REL 357(3).

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Missouri State

Office of the Registrar
Undergraduate Catalog

Modern Language

Major(s)

Please note:
Students interested in majoring in Chinese, French, German, and Spanish can still do so by choosing to concentrate on that language as part of the BS in Modern Language. See the department website for more information.

Modern Language (non-comprehensive)

Bachelor of Science

Students pursuing the Bachelor of Science* in Modern Language (non-comprehensive) complete 33 hours of coursework in a single modern language and a minor. This flexible structure enables students to achieve advanced proficiency in at least one modern language, to understand the cultural factors that affect how members of other language communities view the world and express themselves, to analyze and interpret target-language texts and other cultural products, and to apply those skills and insights in a variety of professional and academic settings.

A. General Education Program and Requirements
B. Major Requirements (39 hours)
    a. MCL 200(3) or IDS 297(3)
    b. Complete 33 hours in coursework beyond the 102 level in a single modern language, as approved by an advisor (language courses at the 101 or 102 level may not be counted toward this major)
    c. Modern Language Capstone: MCL 495(3)
C. Minor Required (or second major). A minor chosen from within the Department of Modern and Classical Languages must be in a different language than the major.
D. General Baccalaureate Degree Requirements

* Students who wish to complete a Bachelor of Arts in a language may pursue an individualized major.

Modern Language (comprehensive)

Bachelor of Science

Students pursuing the Bachelor of Science[1] in Modern Language complete 33 hours of coursework in a single modern language and an option relating to that language. This flexible structure enables students to achieve advanced proficiency in at least one modern language, to understand the cultural factors that affect how members of other language communities view the world and express themselves, to analyze and interpret target-language texts and other cultural products, and to apply those skills and insights in a variety of professional and academic settings.

A. General Education Program and Requirements
B. Major Requirements (61-76 hours)
    1. Modern Language Core (39 hours):
        a. MCL 200(3) or IDS 297(3)
        b. Complete 33 hours in coursework beyond the 102 level in a single modern language, as approved by an advisor (language courses at the 101 or 102 level may not be counted toward this major)[2]
        c. Modern Language Capstone: MCL 495(3)

2. Complete one of the following options:

   a. **Second Language (24 hours):** Complete 24 hours in a second modern language or complete 12 hours beyond the 102 level in a second modern language and 12 hours in coursework related to that language or language family, as approved by an advisor
   b. **Translation (22 hours):** MCL 310(3); ENG 296(3); ENG 321(3); COM 360(3); BUS 397(3); CHI 410(3) and 415(3), or FRN 410(3) and 415(3), or GRM 410(3) and 415(3), or SPN 410(3) and 415(3); MCL 410(1)
   c. **Applied Business (24 hours):** BUS 135(3) and MGT 340(3); CHI 410(3) and 415(3), or FRN 410(3) and 415(3), or GRM 410(3) and 415(3), or SPN 410(3) and 415(3); and 12 hours of coursework related to a single business focus, industry, or profession, subject to approval from the Office of the Dean of the College of Business[3]
   d. **Teacher Certification (38 hours):** Complete the Professional Education Courses and Competencies, including the Teaching Methods (MCL 413) and Supervised Teaching (MCL 493 and 496) courses, and all other applicable certification requirements. Refer to the Teacher Education Program section of catalog.

C. General Baccalaureate Degree Requirements

Notes:

[1] Students who wish to pursue a Bachelor of Arts in a language should review the catalog section on individualized majors. This option may be more attractive for students considering graduate studies or whose goals are better served by a Bachelor of Arts degree. Students should contact the Academic Assistance Office for detailed information and procedures early in their junior year.

[2] If a student pursues a minor in the Department of Modern and Classical Languages it must be in a different language than the major.

[3] Prerequisites may apply. Students may not apply more than 24 credit hours of College of Business coursework toward this option.

Accelerated graduate program in Applied Second Language Acquisition

Eligible Missouri State undergraduate students in the Department of Modern and Classical Languages may apply for admission to the Applied Second Language Acquisition program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 9 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Spanish

Minor(s)

Spanish

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Nursing

Bachelor of Social Work

In consultation with advisor, complete 18 hours in Spanish beyond courses 101 and 102.

Spanish

Bachelor of Science in Education (Non-Certifiable)

In consultation with advisor, complete 18 hours in Spanish beyond courses 101 and 102 with six of those hours being 300-level or higher.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Spanish for the Professions Certificate

Spanish for the Professions

This certificate is designed for students who wish to further their language skills for designated professional purposes, such as business, healthcare, law, and translation. Upon completion of this certificate the students will be able to understand and produce conversations at the intermediate and advanced levels using profession-specific language related to the professional fields, identify the essential similarities and differences among Hispanic cultures and increase their knowledge of intercultural competencies to be prepared for success in a global world.

Admission requirement

SPN 312(3), Spanish Composition, with a grade of C or better.

Program requirements (15 hours)

1. SPN 316(3), 317(3), 410(3), 415(3)
2. Select three hours of Spanish electives numbered 300 or higher.
3. All candidates must satisfy the General University Certificate Requirements.

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Missouri State

Department of Music

Programs

Undergraduate

Jazz Studies (Certificate)

Music (BA, BS)

Music, Bachelor of (BMus) *Options: Composition, Instrumental Performance, Jazz Performance, Keyboard Performance, Vocal Performance*

Music-Instrumental (BME)

Music-Vocal/Choral (BME)

Musical Theatre (BFA)

Music (Minor)

Music Composition (Minor)

Recording Arts (Minor)

Graduate

Choral Studies (Certificate)

Master of Music (MM)

Music Education (Certificate)

Music Performance (Certificate)

Accreditations

- National Association of Schools of Music – Music (BA, BS, MM); Music/Performance (BMus); Music/Composition (BMus); Music Education (BME); Musical Theatre (BFA)
- Missouri Department of Elementary and Secondary Education – Music Education (BME); Secondary Education/Music (MSEd)
- Council for the Accreditation of Educator Preparation – Music Education (BME); Secondary Education/Music (MSEd)

Admission and audition requirements

Admission and audition requirements

Music degrees are designed to develop the student's abilities for performance, public school certification for teaching, private teaching, or composition. These degrees also prepare students for graduate study in music.

Students desiring to pursue a BA, BMus, BME, or BS music major or minor must first audition for a committee of applied faculty in that student's desired performance area.* This audition should take place during the semester prior to the first semester of enrollment in applied

Contact

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should take place during the semester prior to the first semester of enrollment in applied lessons. See Music Department website for audition dates. All students will be required to demonstrate, through successful completion of a Music Theory Entrance Exam, a rudimentary ability to relate musical sound to notation and terminology before beginning the theory and ear-training sequence.

All music majors must apply for formal admission to the degree program. This typically will occur at the end of the sophomore year, and must be completed before the student has finished 75 hours. In order to be admitted to the degree program, students must pass MUS 298, the piano proficiency exam, and have a combined (Missouri State and transfer) GPA of at least 2.75 and a combined (Missouri State and transfer) GPA of at least 3.00 in Music courses. Students who have not been formally admitted to the degree program will be unable to enroll in 300-level and above applied study.

*Students pursuing the minor in either Composition or Recording Arts are not required to audition in a performance area.

Website

missouristate.edu/music

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https://www.missouristate.edu/registrar/catalog/dept_mu.html

Missouri State

Music Faculty

Professors

Lisa R. Casey, DMA

Jeremy A. Chesman, DMA

Julie C. Combs, DMA

Randall P. Hamm, MM

David R. Hays, DM

Daniel S. Hellman, PhD

Jill L. Heyboer, DMA

Amy F. Muchnick, DMA

Michael F. Murray, DMA

James Parsons, PhD

Richard Todd Payne, DMA

Grant S. Peters, DMA

John S. Prescott, DMA

Allison M. Storochuk, DMA

Wei-Han Su, DMA

Chris A. Thompson, DM

Associate professors

J. Scott Cameron, DMA

Carol L. Chapman, DMA

Anne Marie Daehn, DMA

Jason M. Hausback, DMA

Andrew H. Homburg, PhD

Hye-Jung Hong, DMA

Christopher M. Kelts, DMA

Cameron F. LaBarr, DMA

Paula K. Patterson, EdD

Assistant professors

Jung Choi, MM

Minju Choi, DMA

Daniel M. Ketter, DMA

Erin Plisco

Donald Bradley Snow, DMA

John Zastoupil, DMA

Instructors

Kyle J. Aho, MM

Emlyn P. Johnson, DMA

Martin T. Morrison, MM

Vicky L. Scott, MSEd

Emeritus faculty

Lloyd G. Blakely, DMA

Michael R. Casey, MME

Peter F. Collins, DMA

Wynne Harrell, DMA

William W. Hartman, MA

Jerry W. Hoover, MM

Johnnie W. Johnson, MM

Cynthia Green Libby, DMA

Norma D. McClellan, PhD

Mollie Autry Molnar, DMA

Michael A. Murray, DMA

Rose Mary Owens, PhD

Belva W. Prather, EdD

Robert C. Quebbeman, DMA

Robert M. Scott, MS

Guy B. Webb, DMA

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Missouri State

Office of the Registrar
Undergraduate Catalog

Music Courses

Music (MUS) courses

MUS 100 Music Fundamentals

Rudiments of music (scales, key signatures, rhythms, intervals, notation) with their application within the context of music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

MUS 101 Beginning Piano

Group instruction for students who wish to explore music through the medium of piano. Course content includes development of keyboard familiarity and technique, introduction to music reading, improvisation, repertory pieces, and rudiments of music theory. No previous piano experience is required. Does not apply toward a major or minor in music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
1	0	2	Fall, Spring	MUSC 101 - Music Fundamentals.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

MUS 103 Theory and Musicianship I

Prerequisite: MUS 100 or permission of department.

Review and drill of music fundamentals; notation, clefs, intervals, scales, rhythm and meter; music terms; written and oral construction of triads and seventh chords; analysis and writing of four-part harmony; non-harmonic tones, cadences, figured bass. Sight singing and dictation of melodies and rhythms; intervals and chord quality identification; error detection.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall

MUS 104 Theory and Musicianship II

Prerequisite: MUS 103.

Four-part harmony incorporated all diatonic chords in all inversions; secondary dominant and secondary leading tone chords. Sight singing and dictation of melodies and rhythms; intervals and chord quality identification; error detection; dictation of four-part harmony.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

MUS 107 Recital Attendance I

Attendance at a combination of music major convocations, faculty recitals, and other recitals and concerts sponsored by the department. Requirements announced at the first convocation of each semester. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the department head. Credit will not be given to students who arrive after the recital/concert begins. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0	0	0	Fall, Spring

MUS 108 Recital Attendance II

Attendance at a combination of music major convocations, faculty recitals, and other recitals and concerts sponsored by the department. Requirements announced at the first convocation of each semester. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the department head. Credit will not be given to students who arrive after the recital/concert begins. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0	0	0	Fall, Spring

MUS 119 Jazz Theory/Jazz Keyboard Skills

Prerequisite: MUS 103.

The study of jazz theory and the practical application of functional jazz keyboard skills.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

MUS 131 String Techniques and Skills for the Music Educator

Instruction in the basic skills of playing and teaching violin, viola, cello and bass in a class situation. Examination of performance problems, diagnostic techniques, teaching strategies, and other specialized topics related to string instruction will be studied, and materials used in public school teaching will be examined and performed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

MUS 133 Guitar for the Music Educator I

Provides future music teachers with the working knowledge, experience and skills to use the guitar for accompanying music making as well as for teaching fretted instruments in school music classes and ensembles.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 135 Voice Class I

Fundamentals of voice production, breath management, resonance and diction. Voice diagnosis and application of vocal principles are given on an individual basis. Appropriate vocal exercises and song literature are employed for the development of a singing technique.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall

MUS 136 Voice Class II

Prerequisite: MUS 135.

Application of vocal principles is given on individual basis with the introduction of interpretation, style, and Italian diction.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 137 Piano Class I

Prerequisite: MUS 100 or MUS 103.

Coordination exercises, major scales, harmonization with I, IV, V7 chords, transposition, reading, elementary repertoire.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 138 Piano Class II

Prerequisite: MUS 137.

Minor scales, harmonization of major and minor melodies, transposition, reading, repertoire.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 141 Single Reed Techniques and Skills for the Music Educator

Introduction in the basic skills and playing and teaching clarinet and saxophone in a class situation. Examination of performance problems, diagnostic techniques, teaching strategies, and other specialized topics related to woodwind instruction will be studied, and materials used in public school teaching will be examined and performed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall

MUS 142 Flute and Double Reed Techniques and Skills for the Music Educator

Introduction in the basic skills of playing and teaching flute and double reeds in a class situation. Examination of performance problems, diagnostic techniques, teaching strategies, and other specialized topics related to woodwind instruction will be studied, and materials used in public school teaching will be examined and performed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

MUS 144 High Brass Techniques and Skills for the Music Educator

Introduction in the basic skills of playing and teaching trumpet and horn in a class situation. Examination of performance problems, diagnostic techniques, teaching strategies, and other specialized topics related to brass instruction will be studied, and materials used in public school teaching will be examined and performed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall

MUS 145 Low Brass Techniques and Skills for the Music Educator

Introduction in the basic skills of playing and teaching trombone and euphonium or tuba in a class situation. Examination of performance problems, diagnostic techniques, teaching strategies, and other specialized topics related to brass instruction will be studied, and materials used in public school teaching will be examined and performed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

MUS 146 Percussion Techniques and Skills for the Music Educator I

Introduction in the basic skills of playing and teaching percussion instruments in a class situation. Examination of performance problems, diagnostic techniques, teaching strategies, and other specialized topics related to percussion instruction will be studied, and materials used in public school teaching will be examined and performed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall

MUS 148 Introduction to Music Teaching

This course is an orientation to the music education profession and to the teacher education program. Students explore roles and responsibilities of music teachers, complete field observations (minimum of 10 hours), develop a preliminary portfolio, and complete projects designed to examine the skills involved in teaching music. The field observation component requires the student to carry professional liability insurance and obtain a Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI fingerprinting background check.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	1	Fall, Spring

MUS 149 String (Instrument)

Prerequisite: permission of instructor.

Applied instruction available in violin, viola, violoncello, bass viola. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 151 Piano

Prerequisite: permission of instructor.

Applied instruction in piano. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 152 Organ

Prerequisite: permission of instructor.

Applied instruction in organ. May be repeated for credit.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

1-4			Fall, Spring

MUS 153 Voice

Prerequisite: permission of instructor.

Applied instruction in voice. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 155 Woodwind (Instrument)

Prerequisite: permission of instructor.

Applied instruction available in flute, oboe, clarinet, bassoon, saxophone. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 156 Brass (Instrument)

Prerequisite: permission of instructor.

Applied instruction available in horn, trumpet, trombone, baritone, and tuba. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 157 Percussion

Prerequisite: permission of instructor.

Applied instruction in percussion instruments. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 158 Guitar

Prerequisite: permission of instructor.

Applied instruction in classical guitar. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 159 Harp

Prerequisite: permission of instructor.

Applied instruction in harp. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 160 Carillon

Prerequisite: permission of instructor.

Applied instruction in carillon. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 161 Men's Chorus

A choral ensemble of men's voices that studies and performs music of various historical periods and genres both on and off campus. The Men's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 162 Choral Union

Chorus Union, a mixed choir of students and community members, rehearses one evening per week and performs concerts throughout the year. Choral Union collaborates with other choral ensembles during the academic year and performs a variety of choral literature. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music. Open to all students and community members by audition.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
1	0	2	Fall, Spring	PERF 102C - Music Performance-Choir.



Access the CORE 42 portal

MUS 163 Women's Chorus

A choral ensemble of women's voices that studies and performs music of various historical periods and genres both on and off campus. The Women's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 168 Chorale

Chorale is a chorus of mixed men's and women's voices that studies and performs advanced choral repertoire both on and off campus. The Chorale will collaborate with other vocal and instrumental ensembles during the academic year. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 172 Small Ensemble

Prerequisite: permission of instructor.

Ensembles may be arranged each semester in piano, voice, strings, wind instruments and percussion to meet needs of participating students and the department. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 173 Chamber Orchestra

Prerequisite: permission of instructor.

Small instrumental ensemble, consisting primarily of strings and varying combinations of wind, brass, percussion, and keyboard instruments, devoted to the study and performance of music written for that medium. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	1	Fall, Spring

MUS 174 Jazz Ensemble

Prerequisite: permission of instructor.

Laboratory course in instrumentation, materials, arranging and organization of Jazz Ensemble. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 175 Band

Band provides opportunities for performance with University Wind Bands, i.e. Wind Ensemble, Wind Symphony, Concert Band. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
1	0	4	Fall, Spring	PERF 102B - Music Performance-Band.

Access the CORE 42 portal

MUS 176 University Symphony

The symphony performs music from the standard symphonic literature and cooperates with other ensembles to perform major choral and operatic works. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
1	0	2	Fall, Spring	PERF 102O - Music Performance-Orchestra.

Access the CORE 42 portal

MUS 177 Marching Band

Marching band performs as a unit during football season. Band performs on campus, in area high schools, and in the stadia of other colleges. Auditions for placement and additional group work required. Band grants available to qualified students. Fees and assessments apply to course. May be repeated for credit. Only 8 hours of large ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall

MUS 178 University/Community Band

Prerequisite: permission of instructor.

Traditional-style concert band which provides performance opportunities for musicians from the university and the community at large. At least one concert is presented each semester. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
1	0	2	Fall, Spring	PERF 102B - Music Performance-Band.

Access the CORE 42 portal

MUS 192 Accompanying

Prerequisite: permission of instructor.

Development of skills in accompanying for pianist. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 193 Opera Workshop

Preparation and production of opera as it pertains to singing actors and ensembles. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 200 Principles and General Methods of Music Education

Prerequisite: MUS 148.

This serves as the gateway course to the teacher music education program. An overview of school organization, management techniques, goals, objectives, assessment, technology, curriculum preparation, unit planning, and diversity as a knowledge base for K-12 music teachers is developed through student projects. Students participate in a 30-hour field experience in area schools. The portfolio checkpoint required for admission to teacher education will occur during this course. A grade of "C" or better in this course is required to be admitted to the teacher education program. The field observation component requires the student to carry professional liability insurance, a current and valid TB test, and obtain a Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI fingerprinting background check.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	4	Fall, Spring

MUS 203 Theory and Musicianship III

MUS 203 Theory and Musicianship III

Prerequisite: MUS 104.

Chromatic harmony including borrowed chords and augmented sixth chords; elementary and advanced modulation; smaller forms. Sight singing and dictation of melodies and rhythms; error detection; modulation to closely related keys; dictation and identification of chromatic harmony.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall

MUS 204 Theory and Musicianship IV

Prerequisite: MUS 203.

Advanced chromatic harmony; twentieth-century and contemporary techniques; larger forms. Sight singing and dictation of melodies and rhythms; error detection; harmonic dictation; diatonic modes and other non-tonal scales; improvisation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

MUS 207 Recital Attendance III

Attendance at a combination of music major convocations, faculty recitals, and other recitals and concerts sponsored by the department. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the department head. Credit will not be given to students who arrive after the recital/concert begins. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0	0	0	Fall

MUS 208 Recital Attendance IV

Attendance at a combination of music major convocations, faculty recitals, and other recitals and concerts sponsored by the department. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the department head. Credit will not be given to students who arrive after the recital/concert begins. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0	0	0	Fall, Spring

MUS 216 Introduction to Audio Techniques

Prerequisite: departmental permission.

The study and application of a wide variety of techniques used in the commercial music industry. Topic areas include sound and hearing, waveform theory, acoustics, microphones, multi-track recording, and basic usage of Musical Instrument Digital Interface (MIDI).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

MUS 219 Jazz Improvisation I

Prerequisite: MUS 104.

The study of beginning improvisation including chord/scale relationship, ii-V-I in all twelve major keys, blues, standards, and solo transcription.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

MUS 220 Jazz Improvisation II

Prerequisite: MUS 219.

The study of improvisation including chord/scale relationship, ii-V-I in all twelve minor keys, all forms of minor scales, modes, standards and solo transcription.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

MUS 237 Piano Class III

Prerequisite: MUS 138.

Chord patterns for harmonization using secondary chords, broken chords, instrumental and vocal scores, ensemble playing, repertoire.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 239 Introduction to World Music

General Education Course (Focus on the Arts).

An exploration of what it means to be human through a comparison of various world musics and the associated recurring patterns of human behavior. Students will also develop a music vocabulary and listening skills through exposure to recordings, lectures and assignments about stylistic elements and analysis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	MUSC 102 - World Music.

Access the CORE 42 portal

MUS 241 The Language of Music

Prerequisite: Open to all students except music majors.

General Education Course (Focus on Humanities).

A study of various musical forms, styles and genres with emphasis on critical listening and how musical expression contributes to human knowledge and experience. Various analytical frameworks will be introduced within the context of history and cultural traditions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	MUSC 100 - Music Appreciation.

Access the CORE 42 portal

MUS 249 String Instrument

Prerequisite: permission of instructor.

Applied instruction available in violin, viola, violoncello, bass viol. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 251 Piano

Prerequisite: permission of instructor.

Applied instruction in piano. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 252 Organ

Prerequisite: permission of instructor.

Applied instruction in organ. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 253 Voice

Prerequisite: permission of instructor.

Applied instruction in voice. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 255 Woodwind (Instrument)

Prerequisite: permission of instructor.

Applied instruction available in flute, oboe, clarinet, bassoon, saxophone. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 256 Brass (Instrument)

Prerequisite: permission of instructor.

Applied instruction available in horn, trumpet, trombone, baritone, and tuba. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 257 Percussion

Prerequisite: permission of instructor.

Applied instruction in percussion instruments. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 258 Guitar

Prerequisite: permission of instructor.

Applied instruction in classical guitar. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 259 Harp

Prerequisite: permission of instructor.

Applied instruction in harp. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 260 Carillon

Prerequisite: permission of instructor.

Applied instruction in carillon. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 280 Musical Theatre Workshop

Prerequisite: permission of instructor.

Performance laboratory for students majoring in Musical Theatre. Preparation and performance of musical numbers from the musical theatre repertoire. Emphasis will be placed on the synthesis of performance techniques related to various musical styles. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

MUS 294 Singing Diction I

Proper pronunciation of English, Italian, and Latin; mastery of the International Phonetic Alphabet.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall

MUS 295 Singing Diction II

Prerequisite: MUS 294.

Proper pronunciation of German and French; continued application of the International Phonetic Alphabet.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

MUS 298 Upper Division Applied Status

Prerequisite: permission of instructor.

Audition required by the end of the sophomore year of all music majors for placement into upper division Applied Music. Specific requirements may vary by Applied Division. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0	0	0	Fall, Spring

MUS 301 Service Learning in Music

Prerequisite: 30 hours, concurrent registration in a Music course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in Music to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefit an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

MUS 307 Recital Attendance V

Prerequisite: piano proficiency.

Attendance at a combination of music major convocations, faculty recitals, and other recitals or concerts sponsored by the department. Requirements announced at the first convocation of each semester. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the department head. Credit will not be given to students who arrive after the recital/concert begins. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0	0	0	Fall, Spring

MUS 308 Recital Attendance VI

Prerequisite: piano proficiency.

Attendance at a combination of music major convocations, faculty recitals, and other recitals and concerts sponsored by the department. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the department head. Credit will not be given to students who arrive after the recital/concert begins. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0	0	0	Fall, Spring

MUS 313 16th Century Counterpoint

Prerequisite: MUS 203.

Analysis and writing in the style of the vocal music of the late Renaissance as embodied in the sacred vocal works of Palestrina.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring (even-numbered years)

MUS 314 18th Century Counterpoint

Prerequisite: MUS 203.

Analysis and writing in the style of the instrumental music of the late Baroque as embodied in the keyboard works of J.S. Bach.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring (odd-numbered years)

MUS 315 Form and Analysis

Prerequisite: MUS 204.

The study of formal aspects of music, ranging from smaller structural units to complete movements. Analysis of forms and styles from selected historical periods.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

MUS 316 Advanced Audio Recording Techniques

Prerequisite: MUS 216.

Digital, advanced audio recording technology for radio, television, and video post production. Emphasis will be placed on the recording, editing, and mixdown of production projects. Topic areas include microphone placement, multi-track recording, digital theory, synchronization concepts, and the art of mixdown.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

MUS 319 Jazz Improvisation III

Prerequisite: MUS 220.

The study of advanced improvisation including chord/scale relationship, continued study of ii-V-I in all twelve major and minor keys,

diminished, whole-tone, and altered dominant scales. Standards and solo transcriptions will be analyzed and performed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

MUS 321 Conducting

Prerequisite: MUS 104.

Fundamentals of conducting, with emphasis upon basic baton techniques, transposition and score reading.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

MUS 322 Conducting-Choral

Prerequisite: MUS 321.

Conducting techniques specifically related to choral music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

MUS 323 Conducting-Instrumental

Prerequisite: MUS 321.

Conducting techniques specifically related to instrumental music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

MUS 327 Composition Class

Prerequisite: MUS 103.

Requires composition of short musical pieces using a variety of styles, and the analysis of works by 20th century composers.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

MUS 328 Instrumentation

Prerequisite: MUS 203.

Techniques, arranging, scoring and transcribing for large and small ensembles; with attention given to the practical application in a teaching situation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

MUS 340 Adaptive Music for Special Learners

Prerequisite: music major and admitted to teacher education program.

Introduction to the teaching of music students with disabilities in a school setting. The course will provide an overview of characteristics and identification criteria for both individuals with disabilities and also the gifted. Legislation and process pertaining to special education will be addressed along with a focus on teaching individuals with diversity in the elementary, middle, and secondary educational setting.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

MUS 343 Musical Theatre History I

Development of musical theatre in England, continental Europe and America from The Beggar's Opera, 1728 to Show Boat, 1927.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

MUS 344 Musical Theatre History II

Development of musical theatre mainly in America from Show Boat, 1927 to present. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

MUS 345 Music in Western Culture and Society I

The historical unfolding of western art music and the ways in which culture and society have played a central role in that development. Music from the Middle Ages to the Baroque will be studied from the perspective of the way in which it has been influenced and in turn influenced religion, politics, economics, and other social issues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall	MUSC 103 - Music History I.

Access the CORE 42 portal

MUS 346 Music in Western Culture and Society II

This course explores the historical unfolding of Western art music and the ways in which culture and society have played a central role in that development. Students study music from the Classical era to the present to understand how music has influenced and been influenced by religion, politics, economics, and other social issues. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Spring	MUSC 104 - Music History II.

Access the CORE 42 portal

MUS 347 History of Jazz in American Culture

The development of jazz music in America. The historical unfolding of jazz art music and developmental advances from early 20th century to the present.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Spring (even-numbered years)	MUSC 100J - Music Appreciation-Jazz.

Access the CORE 42 portal

MUS 349 String (Instrument)

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction available in violin, viola, violoncello, bass viol. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 350 Harpsichord

Prerequisite: permission of instructor.

Applied instruction in harpsichord. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 351 Piano

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction in piano. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 352 Organ

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction in organ. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 353 Voice

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction in voice. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 355 Woodwind (Instrument)

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction available in flute, oboe, clarinet, bassoon, saxophone. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 356 Brass (Instrument)

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction available in French horn, trumpet, trombone, baritone, tuba. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 357 Percussion

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction in percussion instruments. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 358 Guitar

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction in classical guitar. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 359 Harp

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction in harp. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 360 Carillon

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction in carillon. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 361 Men's Chorus

A choral ensemble of men's voices that studies and performs music of various historical periods and genres both on and off campus. The Men's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 362 Choral Union

Chorus Union, a mixed choir of students and community members, rehearses one evening per week and performs concerts throughout the year. Choral Union collaborates with other choral ensembles during the academic year and performs a variety of choral literature. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music. Open to all students and community members by audition.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 363 Women's Chorus

A choral ensemble of women's voices that studies and performs music of various historical periods and genres both on and off campus. The Women's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 368 Chorale

Chorale is a chorus of mixed men's and women's voices that studies and performs advanced choral repertoire both on and off campus. The Chorale will collaborate with other vocal and instrumental ensembles during the academic year. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 372 Small Ensemble

Prerequisite: permission of instructor.

Ensembles may be arranged each semester in piano, voice, strings, wind instruments and percussion to meet needs of participating students and the department. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 373 Chamber Orchestra

Prerequisite: permission of instructor.

Small instrumental ensemble, consisting primarily of strings and varying combinations of wind, brass, percussion, and keyboard instruments

Small instrumental ensemble, consisting primarily of strings and varying combinations of wind, brass, percussion, and keyboard instruments, devoted to the study and performance of music written for that medium. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	1	Fall, Spring

MUS 374 Jazz Ensemble

Prerequisite: permission of instructor.

Laboratory course in instrumentation, materials, arranging and organization of Jazz Ensemble. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 375 Band

Band provides opportunities for performance with University Wind Bands, i.e. Wind Ensemble, Wind Symphony, Concert Band. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	4	Fall, Spring

MUS 376 University Symphony

The symphony performs music from the standard symphonic literature and cooperates with other ensembles to perform major choral and operatic works. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 377 Marching Band

Marching band performs as a unit during football season. Band performs on campus, in area high schools, and in the stadia of other colleges. Auditions for placement and additional group work required. Band grants available to qualified students. Fees and assessments apply to course. May be repeated for credit. Only 8 hours of large ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall

MUS 380 Musical Theatre Workshop

Prerequisite: permission of instructor.

Performance laboratory for students majoring in Musical Theatre. Preparation and performance of musical numbers from the musical theatre repertoire. Emphasis will be placed on the synthesis of performance techniques related to various musical styles. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

MUS 392 Accompanying

Prerequisite: permission of instructor.

Development of skills in accompanying for pianist. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 393 Opera Workshop

Preparation and production of opera as it pertains to singing actors and ensembles. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 398 Junior Recital

Prerequisite: MUS 298.

Preparation and public presentation of a solo recital in the student's major applied area. Required of all music majors on the Bachelor of Music-Performance degree. The student must pass a recital hearing before the performance can occur.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-4			Fall, Spring

MUS 399 Special Topics in Music

Prerequisite: permission of instructor.

Topic of interest determined by student and professor. May be repeated, as topics change, to maximum of 6 credit hours. Variable content course.

course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MUS 407 Recital Attendance VII

Prerequisite: piano proficiency.

Attendance at a combination of music major convocations, faculty recitals, and other recitals and concerts sponsored by the department. Requirements announced at the first convocation of each semester. The fulfillment of any part of these requirements by non-departmental concerts must be pre-approved by the department head. Credit will not be given to students who arrive after the recital/concert begins. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0	0	0	Fall, Spring

MUS 410 Middle Childhood and Preadolescent Vocal Methods and Materials

Prerequisite: admission to Teacher Education Program, MUS 204 and MUS 322 and MUS 518.

Principles and techniques for working with middle or junior high school voices and teaching music classes at the middle level with special attention paid to vocal development, voice change, and vocal health for pre-adolescents. Pedagogical analysis of choral/vocal music literature, lesson planning, and classroom management specific to this age group. Includes organization and administration of vocal music classes commonly found in programs at this level. Requires a 20-hour practicum at the middle level.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MUS 411 Secondary Instrumental Methods and Materials

Prerequisite: admission to Teacher Education Program, MUS 204 and MUS 328 and MUS 323.

Explores effective music methods and teaching strategies utilized in instrumental programs in middle or junior high schools and in high schools. Includes organization and administration of instrumental music classes commonly found in programs at those levels. Survey and analysis of instrumental music for large and small instrumental ensembles of all types and levels (K-12).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MUS 416 Recording Arts Practicum

Practice in the recording studio environment, creating CD-quality music and soundtracks. Instruction will be provided in session conduct as well as advanced operations in tracking, editing, and mixing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

MUS 430 Music in Early Childhood and the Elementary School

Prerequisite: admission to Teacher Education Program.

Methods of teaching music in early childhood and elementary school classrooms. A 20-hour practicum in elementary music classrooms is required as part of this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

MUS 449 String (Instrument)

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction available in violin, viola, violoncello, bass viol. May be repeated for credit. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 451 Piano

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction in piano. May be repeated for credit. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 452 Organ

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction in organ. May be repeated for credit. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS [illegible]

MUS 453 Voice

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction in voice. May be repeated for credit. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 455 Woodwind (Instrument)

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction available in flute, oboe, clarinet, bassoon, saxophone. May be repeated for credit. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 456 Brass (Instrument)

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction available in horn, trumpet, trombone, baritone, and tuba. May be repeated for credit. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 457 Percussion

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction in percussion instruments. May be repeated for credit. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 458 Guitar

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction in classical guitar. May be repeated for credit. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 459 Harp

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction in harp. May be repeated for credit. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 460 Carillon

Prerequisite: permission of instructor; and admission to Music degree program.

Applied instruction in carillon. May be repeated for credit. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

MUS 480 Musical Theatre Workshop

Prerequisite: permission of instructor.

Performance laboratory for students majoring in Musical Theatre. Preparation and performance of musical numbers from the musical theatre repertoire. Emphasis will be placed on the synthesis of performance techniques related to various musical styles. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

MUS 488 Seminar in Student Teaching

Prerequisite: all course work required for the Bachelor of Music Education completed, including the senior recital and piano proficiency; minimum combined (Missouri State and transfer) GPA of 2.75; minimum GPA in Music of 3.00, with no grade lower than a "C"; minimum GPA of 3.00 in professional education; and concurrent enrollment in MUS 494 and MUS 496.

A blended seminar focused on the analysis of diverse teaching contexts, student learning, and field experiences during student teaching. Topics will include: Theory into Practice, The Job Search, Diversity, the Teacher Work Sample, Assessment, and Classroom Management. Students attend (in person or on-line) weekly 2-hour seminars. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

MUS 494 Supervised Teaching (Elementary Music K-6)

Prerequisite: all course work required for the Bachelor of Music Education completed, including the senior recital and piano proficiency; minimum combined (Missouri State and transfer) GPA of 2.75; minimum GPA of 3.00 in music with no grade lower than a "C"; minimum GPA of 3.00 in professional education; current pre-professional liability insurance; completion of Transition Points 1 and 2; approval for supervised teaching; and concurrent enrollment in MUS 496 and MUS 488.

Students will observe, assist and teach music classes under the direction of the cooperating teacher and University supervisor. Participation in extra-curricular activities and other duties is expected. An ongoing full-time commitment to student teaching is required to remain enrolled. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5			Fall, Spring

MUS 496 Supervised Teaching (Secondary Music 7-12)

Prerequisite: all course work required for the Bachelor of Music Education completed, including the senior recital and piano proficiency; minimum combined (Missouri State and transfer) GPA of 2.75; minimum GPA of 3.00 in music with no grade lower than a "C"; minimum GPA of 3.00 in professional education; current pre-professional liability insurance; completion of Transition Points 1 and 2; approval for supervised teaching; and concurrent enrollment in MUS 488 and MUS 494.

Students will observe, assist and teach music classes under the direction of the cooperating teacher and University supervisor. Participation in extra-curricular activities and other duties is expected. An ongoing full-time commitment to student teaching is required to remain enrolled. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5			Fall, Spring

MUS 498 Senior Recital

Prerequisite: MUS 298 and at least three semesters Applied Music courses numbered 300 or above with grades of "B" or better in the major performance area or in composition.

Preparation and public presentation of a solo recital in the student's major applied area. The student must pass a recital hearing before the performance can occur. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-4			Fall, Spring

MUS 499 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

MUS 501 Music Education Workshop

Variable topics related to music education instruction. Number of class hours determined by length of workshop and depth of topic. May be repeated for a maximum of 5 credit hours. May be taught concurrently with MUS 611. Cannot receive credit for both MUS 611 and MUS 501.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Spring

MUS 503 Orff in the Classroom

A study of music education using the approach developed by Carl Orff. Will include creative techniques including instruments, singing and movement. May be taught concurrently with MUS 613. Cannot receive credit for both MUS 613 and MUS 503.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MUS 506 Band Administration and Materials

Practicum and experience in all aspects of the successful band program. Includes organizational strategies and review of large and small ensemble literature for marching band, stage band, jazz band, and concert band. May be taught concurrently with MUS 606. Cannot receive credit for both MUS 606 and MUS 506.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall (even-numbered years)

MUS 510 Adolescent and Early Adult Choral/Vocal Literature and Materials for Secondary Levels

Prerequisite: admission to Teacher Education Program; MUS 204 and MUS 321 and MUS 518.

Explores effective music methods and teaching strategies utilized in vocal programs in high schools. Includes pedagogy of the adolescent voice. Best practices for teaching a wide variety of vocal ensembles including curricular and extra-curricular groups. Rehearsal and lesson planning for achievement of outcomes. Practical administration of organizations commonly found in most choral music programs. Survey and analysis of choral music literature for individuals, large and small ensembles including glee clubs, mixed choruses and choirs of all levels of performance. A 20-hour practicum with an area vocal music program will be part of the course content. May be taught concurrently with MUS 609. Cannot receive credit for both MUS 510 and MUS 609.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MUS 512 Electronic Music

Prerequisite: permission of instructor.

Exploration of theories and techniques of sound synthesis, sequencing, and digital audio through composition. Variable content course. May be repeated to a total of 6 hours when topic varies. May be taught concurrently with MUS 612. Cannot receive credit for both MUS 612 and MUS 512.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall (odd-numbered years)

MUS 516 Composition I

Prerequisite: permission of instructor.

Elementary composition of pieces in a variety of forms. Emphasis on works for piano, solo instruments or voice. Adapted to meet the needs of the individual student. May be repeated. May be taught concurrently with MUS 616. Cannot receive credit for both MUS 616 and MUS 516.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-4			Fall, Spring

MUS 517 Composition II

Prerequisite: permission of instructor.

Intermediate level composition. Emphasis on writing for small groups of instrumentalists or vocalists. Adapted to meet the needs of the individual student. May be repeated. May be taught concurrently with MUS 617. Cannot receive credit for both MUS 617 and MUS 517.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-4			Fall, Spring

MUS 518 Choral Arranging

Prerequisite: MUS 203.

Techniques of arranging for small and large choral ensembles; with attention given to the practical application in a teaching situation. May be taught concurrently with MUS 618. Cannot receive credit for both MUS 618 and MUS 518.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

MUS 520 Composition III

Prerequisite: permission of instructor.

Composing for larger groups of instrumentalists or vocalists. Adapted to meet the needs of the individual student. May be repeated. May be taught concurrently with MUS 619. Cannot receive credit for both MUS 619 and MUS 520. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-4			Fall, Spring

MUS 521 Composition IV

Prerequisite: permission of instructor.

Advanced composition. A wide variety of mediums and styles are possible including electronic music of all types. Adapted to meet the needs of the individual student. May be repeated. May be taught concurrently with MUS 621. Cannot receive credit for both MUS 621 and MUS 521. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-4			Fall, Spring

MUS 523 Keyboard Literature

Recommended Prerequisite: MUS 345 and MUS 346. Keyboard works from the 17th century to the present. May be taught concurrently with MUS 623. Cannot receive credit for both MUS 623 and MUS 523.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

MUS 524 Song and Opera Literature

Italian arias, German Lieder; representative songs by French, English, and American composers; standard operatic repertoire in relation to the composer's style and the period of theater and music history from which they emanate. May be taught concurrently with MUS 624. Cannot receive credit for both MUS 624 and MUS 524.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall (even-numbered years)

MUS 526 Advanced Arranging

Prerequisite: MUS 204.

Independent study or three hour seminar per week. Techniques of arranging for various choral or instrumental groups, suited to the need of the individual student. May be repeated to a total of 6 hours when topic varies. Variable content course. May be taught concurrently with MUS 626. Cannot receive credit for both MUS 626 and MUS 526.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

MUS 529 Introduction to Commercial Music

Prerequisite: permission of instructor.

A comprehensive survey of various aspects of music associated with the entertainment industry. Students will be exposed to a wide variety of topics including song and advertising jingle writing, scoring for film and video, negotiating contracts, and dealing with music publishers. May be taught concurrently with MUS 629. Cannot receive credit for both MUS 629 and MUS 529.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MUS 530 Vocal Pedagogy and Materials

Understanding the basic principles of voice production and their application to the training of singers. A comparative study of different pedagogical approaches to voice training. Including a survey of materials needed in successful programs of choral and vocal education in secondary schools for all levels of performance. May be taught concurrently with MUS 630. Cannot receive credit for both MUS 630 and MUS 530.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

MUS 538 Survey of Pedagogical Methods

A study of methods of teaching applied music. May be taught concurrently with MUS 658. Cannot receive credit for both MUS 658 and MUS 538.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

MUS 539 String Pedagogy and Instrumental Literature and Materials for Elementary and Secondary Levels

Prerequisite: permission of instructor.

Students will explore all aspects of orchestra and string programs for elementary and secondary education. Literature appropriate for beginning and advanced levels in school string programs will be addressed. May be taught concurrently with MUS 659. Cannot receive credit for both MUS 659 and MUS 539.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MUS 543 Music of the Renaissance

Prerequisite: MUS 345.

A comprehensive study of Western music from the Franco-Netherlands composers to Monteverdi (c. 1450 to 1600). May be taught concurrently with MUS 683. Cannot receive credit for both MUS 683 and MUS 543.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 544 Music of the Baroque Era

Prerequisite: MUS 345.

A comprehensive study of Western music from monody to J.S. Bach and Handel (c. 1600 to 1750). May be taught concurrently with MUS 684. Cannot receive credit for both MUS 684 and MUS 544.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 545 Music of the Classical Era

Prerequisite: MUS 346.

A comprehensive study of Western music from pre-classicism to Beethoven (c. 1750 to 1810). May be taught concurrently with MUS 685. Cannot receive credit for both MUS 685 and MUS 545.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 546 Music of the Romantic Era

Prerequisite: MUS 346.

A comprehensive study of Western music from Beethoven to the post-romantic composers (c. 1800 to 1900). May be taught concurrently with MUS 686. Cannot receive credit for both MUS 686 and MUS 546.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 547 Music Since 1900

Prerequisite: MUS 346.

A comprehensive study of Western music from 1900 to the present. May be taught concurrently with MUS 687. Cannot receive credit for both MUS 687 and MUS 547.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 548 Choral Literature

Choral literature from the Renaissance through the 20th Century. May be taught concurrently with MUS 688. Cannot receive credit for both MUS 688 and MUS 548.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

MUS 561 Men's Chorus

A choral ensemble of men's voices that studies and performs music of various historical periods and genres both on and off campus. The Men's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 563 Women's Chorus

A choral ensemble of women's voices that studies and performs music of various historical periods and genres both on and off campus. The Women's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 580 Instrumental Conducting

Prerequisite: MUS 323.

A study of conducting techniques and problems in rehearsal and performance. Baton technique, repertoire development and practicum of conducting in rehearsals (may include a public performance). May be taught concurrently with MUS 670. Cannot receive credit for both MUS 670 and MUS 580. May be repeated for variable credit hours up to a total of 12.

670 and MUS 680. May be repeated for variable credit hours up to a total of 12.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

MUS 581 Choral Conducting

Prerequisite: MUS 322.

A study of conducting techniques and problems in rehearsal and performance. Baton technique, repertoire development, and practicum of conducting in rehearsals (may include a public performance). May be taught concurrently with MUS 671. Cannot receive credit for both MUS 671 and MUS 581. May be repeated for variable credit hours up to a total of 12.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

MUS 599 Special Topics in Music

Prerequisite: permission of instructor.

Topic of interest determined by student and professor. May be repeated, as topics change, to a maximum of 6 hours. Variable content course. May be taught concurrently with MUS 689. Cannot receive credit for both MUS 689 and MUS 599.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MUS 606 Band Administration and Materials

Practicum and experience in all aspects of the successful band program. Includes organizational strategies and review of large and small ensemble literature for marching band, stage band, jazz band, and concert band. May be taught concurrently with MUS 506. Cannot receive credit for both MUS 506 and MUS 606.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall (even-numbered years)

MUS 609 Choral Literature and Materials for Secondary Levels

Survey and analysis of choral music for large and small ensembles including glee clubs, mixed choruses, and choirs of all levels of performance (7-12 grade). May be taught concurrently with MUS 510. Cannot receive credit for both MUS 510 and MUS 609.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

MUS 611 Music Education Workshop

Variable topics related to music education instruction. Number of credit hours determined by length of workshop and depth of topic. May be repeated for a maximum of five hours. May be taught concurrently with MUS 501. Cannot receive credit for both MUS 501 and MUS 611.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Summer

MUS 612 Electronic Music

Prerequisite: permission of instructor.

Exploration of theories and techniques of sound synthesis, sequencing, and digital audio through composition. Variable content course. May be repeated to a total of 6 hours when topic varies. May be taught concurrently with MUS 512. Cannot receive credit for both MUS 512 and MUS 612.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall (odd-numbered years)

MUS 613 Orff in the Classroom

A study of music education using the approach developed by Carl Orff. Will include creative techniques including instruments, singing, and movement. May be taught concurrently with MUS 503. Cannot receive credit for both MUS 503 and MUS 613.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MUS 616 Composition I

Prerequisite: permission of instructor.

Elementary composition of pieces in a variety of forms. Emphasis on works for piano, solo instruments, or voice. Adapted to meet the needs of the individual student. May be taught concurrently with MUS 516. Cannot receive credit for both MUS 516 and MUS 616.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-4			Fall, Spring

MUS 617 Composition II

Prerequisite: permission of instructor.

Intermediate level composition. Emphasis on writing for small groups of instrumentalists or vocalists. Adapted to meet the needs of the individual student. May be taught concurrently with MUS 517. Cannot receive credit for both MUS 517 and MUS 617.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-4			Fall, Spring

MUS 618 Choral Arranging

Techniques of arranging for small and large choral ensembles; with attention given to the practical application in a teaching situation. May be taught concurrently with MUS 518. Cannot receive credit for both MUS 518 and MUS 618.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MUS 619 Composition III

Prerequisite: permission of instructor.

Composing for larger groups of instrumentalists or vocalists. Adapted to meet the needs of the individual student. May be repeated. May be taught concurrently with MUS 520. Cannot receive credit for both MUS 520 and MUS 619.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-4			Fall, Spring

MUS 621 Composition IV

Prerequisite: permission of instructor.

Advanced composition. A wide variety of mediums and styles are possible including electronic music of all types. Adapted to meet the needs of the individual student. May be repeated. May be taught concurrently with MUS 521. Cannot receive credit for both MUS 521 and MUS 621.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-4			Fall, Spring

MUS 623 Keyboard Literature

Keyboard works from the 17th century to the present. May be taught concurrently with MUS 523. Cannot receive credit for both MUS 523 and MUS 623.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

MUS 624 Song and Opera Literature

Italian arias, German Lieder; representative songs by French, English, and American composers; standard operatic repertoire in relation to the composer's style and the period of theater and music history from which they emanate. May be taught concurrently with MUS 524. Cannot receive credit for both MUS 524 and MUS 624.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall (even-numbered years)

MUS 626 Advanced Arranging

Prerequisite: permission of instructor.

Independent study or three hour seminar per week. Techniques of arranging for various choral or instrumental groups, suited to the need of the individual student. May be repeated to a total of 6 hours when topic varies. Variable content course. May be taught concurrently with MUS 526. Cannot receive credit for both MUS 526 and MUS 626.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

MUS 629 Introduction to Commercial Music

Prerequisite: permission of instructor.

A comprehensive survey of various aspects of music associated with the entertainment industry. Students will be exposed to a wide variety of topics including song and advertising jingle writing, scoring for film and video, negotiating contracts, and dealing with music publishers. May be taught concurrently with MUS 529. Cannot receive credit for both MUS 529 and MUS 629.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MUS 630 Vocal Pedagogy and Materials

Understanding the basic principles of voice production and their application to the training of singers. A comparative study of different pedagogical approaches to voice training. Including a survey of materials needed in successful programs of choral and vocal education in secondary schools for all levels of performance. May be taught concurrently with MUS 530. Cannot receive credit for both MUS 530 and MUS 630.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

MUS 649 String (Instrument)

Prerequisite: permission of instructor.

Applied instruction available in violin, viola, violoncello, and bass viol. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MUS 651 Piano

Prerequisite: permission of instructor.

Applied instruction in piano. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MUS 652 Organ

Prerequisite: permission of instructor.

Applied instruction in organ. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MUS 653 Voice

Prerequisite: permission of instructor.

Applied instruction in voice. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MUS 655 Woodwind

Prerequisite: permission of instructor.

Applied instruction in flute, oboe, clarinet, bassoon, and saxophone. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MUS 656 Brass

Prerequisite: permission of instructor.

Applied instruction in trumpet, horn, trombone, euphonium and tuba. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MUS 657 Percussion

Prerequisite: permission of instructor.

Applied instruction on percussion instruments. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MUS 658 Survey of Pedagogical Methods

A study of methods of teaching applied music. May be taught concurrently with MUS 538. Cannot receive credit for both MUS 538 and MUS 658.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

MUS 659 String Pedagogy and Instrumental Literature and Materials for Elementary and Secondary Levels

Prerequisite: permission of instructor.

Students will explore all aspects of orchestra and string programs for elementary and secondary education. Literature appropriate for beginning and advanced levels in school string programs will be addressed. May be taught concurrently with MUS 539. Cannot receive credit for both MUS 539 and MUS 659.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MUS 660 Carillon

Prerequisite: permission of instructor.

Applied instruction in carillon. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MUS 661 Men's Chorus

A choral ensemble of men's voices that studies and performs music of various historical periods and genres both on and off campus. The Men's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 663 Women's Chorus

A choral ensemble of women's voices that studies and performs music of various historical periods and genres both on and off campus. The Women's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 670 Instrumental Conducting Seminar

A study of conducting techniques and problems in rehearsal and performance. Baton technique, repertoire development and practicum of conducting in rehearsals (may include a public performance). May be taught concurrently with MUS 580. Cannot receive credit for both MUS 670 and MUS 580. May be repeated for variable credit hours up to a total of 12.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MUS 671 Choral Conducting Seminar

A study of conducting techniques and problems in rehearsal and performance. Baton technique, repertoire development, and practicum of conducting in rehearsals (may include a public performance). May be taught concurrently with MUS 581. Cannot receive credit for both MUS 671 and MUS 581. May be repeated for variable credit hours up to a total of 12.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MUS 674 Jazz Ensemble

A Laboratory course in instrumentation, materials, arranging, and organization of the jazz ensemble. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 675 Band

Band provides opportunities for performance with University Wind Bands, i.e. Wind Ensemble, Wind Symphony, Concert Band. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 678 University/Community Band

Traditional style concert band which provides performance opportunities for musicians from the university and the community at large. At least one concert is presented each semester. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 682 Piano Ensemble

Prerequisite: permission of instructor.

The student will strengthen ensemble and rehearsal techniques through the study and performance of piano four-hand and duo literature. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 683 Music of the Renaissance

A comprehensive study of Western music from the Franco-Netherlands composers to Monteverdi (c. 1450 to 1600). May be taught concurrently with MUS 543. Cannot receive credit for both MUS 543 and MUS 683.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 684 Music of the Baroque Era

A comprehensive study of Western music from monody to J.S. Bach and Handel (c. 1600 to 1750). May be taught concurrently with MUS 544. Cannot receive credit for both MUS 544 and MUS 684.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 685 Music of the Classical Era

A comprehensive study of Western music from pre-classicism to Beethoven (c. 1750 to 1810). May be taught concurrently with MUS 545. Cannot receive credit for both MUS 545 and MUS 685.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 686 Music of the Romantic Era

A comprehensive study of Western music from Beethoven to the post-romantic composers (c. 1800 to 1900). May be taught concurrently with MUS 546. Cannot receive credit for both MUS 546 and MUS 686.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 687 Music Since 1900

A comprehensive study of Western music from 1900 to the present. May be taught concurrently with MUS 547. Cannot receive credit for both MUS 547 and MUS 687.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 688 Choral Literature

Choral literature from the Renaissance through the 20th Century. May be taught concurrently with MUS 548. Cannot receive credit for both MUS 548 and MUS 688.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

MUS 689 Special Topics in Music

Prerequisite: permission of instructor.

Topic of interest determined by student and professor. May be repeated, as topics change, to a maximum of 6 hours. Variable content course. May be taught concurrently with MUS 599. Cannot receive credit for both MUS 599 and MUS 689.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MUS 700 Introduction to Graduate Study in Music

General introduction to graduate curriculum; planning the program; formal writing style; sources used in research; study of methods in research. Required of all degree candidates.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MUS 701 Music Education Curriculum

An examination of trends in elementary, middle, and secondary music education; evaluation of selected materials and techniques; and special projects in planning for change in music education curriculum.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 702 General Music Education

Study of problems in planning a music program to encourage lifelong participation in music; for guiding learning through creating, performing and responding; music integration with other subject areas; critical and creative thinking, and use of instructional media for providing music learning experiences.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MUS 707 Psychology of Music

Adapted to the view of the music educator. Emphasis is placed upon the physics of sound, psychology of performances and teaching, and the principles of listening.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 708 Contemporary Music Education

A study of current trends and contemporary issues relevant to education and/or music education, as identified from various sources, and what impact they may or may not have on music education.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 715 Advanced Composition

Prerequisite: permission of instructor.

Private compositional study for graduate students. Variable content course. May be repeated to a total of 9 hours when topic varies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 720 Directed Study in Music Education

Prerequisite: permission of instructor.

Individual study and research on projects approved by Music Education faculty; individual conferences with assigned faculty members; oral report, and a document at conclusion of semester. May be repeated to 3 hrs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

MUS 725 History and Philosophy of Music Education

History of educational philosophies and objectives.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 727 Seminar: Music Theory

A study of various aspects of music theory, including analysis and pedagogy, researched from primary and secondary sources from the medieval period through the present. May be repeated to a total of 6 hours when topic varies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (even-numbered years)

MUS 728 Pedagogy of Music Theory

Techniques of teaching harmony and ear training as well as other theoretical aspects of music to high school and college music students.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

MUS 738 Survey of Pre-College Repertoire

Prerequisite: MUS 538 or MUS 658.

An examination of appropriate repertoire from the Baroque, Classical, Romantic, and 20th Century style periods for beginner, intermediate, and advanced pre-college students.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring, Summer

MUS 739 Pedagogy Practicum I

Prerequisite: MUS 738.

A course consisting of three components: class meetings for the discussion of teaching techniques, observation of the teaching of experienced teachers, supervised student teaching.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

MUS 740 Pedagogy Practicum II

Prerequisite: MUS 739.

Private teaching of a prescribed number of pre-college students of various levels of advancement under guidance of pedagogy instructor. Pedagogy students must present assigned pre-college students in an end of semester recital.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

MUS 744 Directed Study in Music Theory

Prerequisite: permission of instructor.

Individual study on approved projects; individual conferences with assigned faculty member. May be repeated to a total of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

MUS 745 Directed Study in Music History and Literature

Prerequisite: permission of instructor.

Advanced study in special topics of music history and literature. May be repeated to a total of 3 hours when topic varies. Variable content

course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MUS 746 Seminar: Symphonic Literature

A survey of the repertoire for orchestras of varying sizes and ability levels. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 747 Seminar: Wind Literature

A survey of the repertoire for wind groups of various sizes and ability levels. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 748 Seminar: Choral Literature

A survey of the repertoire for choral groups of various sizes and ability levels. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 749 String (Instrument)

Prerequisite: permission of instructor.

Applied instruction available in violin, viola, violoncello, and bass viola. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MUS 751 Piano

Prerequisite: permission of instructor.

Applied instruction in piano. May be repeated for credit.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

1-2			Fall, Spring

MUS 752 Organ

Prerequisite: permission of instructor.

Applied instruction in organ. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MUS 753 Voice

Prerequisite: permission of instructor.

Applied instruction in voice. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MUS 755 Woodwind (Instrument)

Prerequisite: permission of instructor.

Applied instruction available in flute, oboe, clarinet, bassoon, and saxophone. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MUS 756 Brass

Prerequisite: permission of instructor.

Applied instruction available in trumpet, French horn, trombone, euphonium and tuba. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MUS 757 Percussion

Prerequisite: permission of instructor.

Applied instruction on percussion instruments. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MUS 760 Carillon

Prerequisite: permission of instructor.

Applied instruction in carillon. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MUS 762 Choral Union

Chorus Union, a mixed choir of students and community members, rehearses one evening per week and performs concerts throughout the year. Choral Union collaborates with other choral ensembles during the academic year and performs a variety of choral literature. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music. Open to all students and community members by audition.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 768 Chorale

Chorale is a chorus of mixed men's and women's voices that studies and performs advanced choral repertoire both on and off campus. The Chorale will collaborate with other vocal and instrumental ensembles during the academic year. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	4	Fall, Spring

MUS 772 Small Ensembles

Ensembles may be arranged each semester in the fields of piano, voice, strings, wind instruments, and percussion to meet the needs of participating students and the department. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 773 Chamber Orchestra

Prerequisite: permission of instructor.

Small instrumental ensemble, consisting primarily of strings and varying combinations of wind, brass, percussion, and keyboard instruments, devoted to the study and performance of music written for that medium. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	1	Fall, Spring

MUS 774 Jazz Ensemble

A laboratory course in instrumentation, materials, arranging, and organization of the jazz ensemble. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 775 Band

Band provides opportunities for performance with University Wind Bands, i.e. Wind Ensemble, Wind Symphony, Concert Band. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 776 University Symphony

Symphony performs and reads music from standard orchestral literature and accompanies opera productions. Open to all university orchestral players by audition. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	4	Fall, Spring

MUS 778 University/Community Band

Traditional-style concert band which provides performance opportunities for musicians from the university and the community at large. At least one concert is presented each semester. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 780 Practicum in Advanced Conducting

Prerequisite: permission of instructor.

A study of techniques needed to project the conductor's concept in rehearsal and performance. Participation in rehearsals under the supervision of the instructor. May involve conducting in public performance.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

MUS 781 Score Reading and Analysis

Analysis of scores and its application to conducting. Development of skills in reading clefs and transpositions. Variable content course. May be repeated to a total of 6 hours when topic varies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MUS 790 Research Project

Research in the student's major area of concentration, culminating in a written document. Topic to be chosen through consultation with the student's major advisor. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

MUS 792 Accompanying

Prerequisite: permission of instructor.

Development of skills in accompanying for pianists.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 793 Opera Workshop

Preparation and production of opera as it pertains to singing actors and ensembles. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

MUS 797 Directed Study in Pedagogy

Advanced study in special topics in pedagogy. Variable content course. May be repeated to a total of 3 hours when topic varies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MUS 798 Graduate Recital

Fulfills half of the final project requirement for concentrations in performance, pedagogy, and conducting.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

MUS 799 Thesis

Prerequisite: permission of instructor.

Selection of thesis topic, research or compositional techniques to be employed, compilation of bibliography, guidance of compilation and interpretation of data; organization and writing of study or writing of composition and description including program notes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

MAKE YOUR MISSOURI STATEMENT.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Jazz Studies Certificate

Certificate(s)

Jazz Studies

This certificate provides coursework to prepare music students for the future with a basic knowledge of jazz. Students complete a sequence of courses including jazz ensemble performance, jazz improvisation, and jazz history. Completion of this set of courses will provide students with credentials on their academic transcript indicating to employers that they have completed an appropriate level of study in jazz specifically focused toward jazz education.

Admission requirements

Admission is met by auditioning and being selected to perform in the required jazz ensembles and completion of MUS 103(3).

Program requirements (12 hours)

A. MUS 174(2), 219(2), 220(2), 347(3), 372(1), 374(2)
B. All candidates must satisfy the General University Certificate Requirements.

Completion requirements

Attain a GPA of 3.00 or higher in the courses used to fulfill the certificate requirements.

MAKE YOUR MISSOURI STATEMENT

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Missouri State

Office of the Registrar
Undergraduate Catalog

Music

Major(s)

Music (Non-Comprehensive)

Bachelor of Arts

Admission and audition requirements

Music degrees are designed to develop the student's abilities for performance, public school certification for teaching, private teaching, or composition. These degrees also prepare students for graduate study in music.

Students desiring to pursue a BA, BMus, BME, or BS music major or minor must first audition for a committee of applied faculty in that student's desired performance area.* This audition should take place during the semester prior to the first semester of enrollment in applied lessons. See Music Department website for audition dates. All students will be required to demonstrate, through successful completion of a Music Theory Entrance Exam, a rudimentary ability to relate musical sound to notation and terminology before beginning the theory and ear-training sequence.

All music majors must apply for formal admission to the degree program. This typically will occur at the end of the sophomore year, and must be completed before the student has finished 75 hours. In order to be admitted to the degree program, students must pass MUS 298, the piano proficiency exam, and have a combined (Missouri State and transfer) GPA of at least 2.75 and a combined (Missouri State and transfer) GPA of at least 3.00 in Music courses. Students who have not been formally admitted to the degree program will be unable to enroll in 300-level and above applied study.

*Students pursuing the minor in either Composition or Recording Arts are not required to audition in a performance area.

Program requirements

A. General Education Program and Requirements
B. Major Requirements (38 hours). Note: A grade of "C" or better is required in all Music courses counted toward the major.
   1. Basic Theory (9 hours): MUS 103(3), 104(3), 203(3)
   2. Music History/Literature (9 hours): MUS 239(3), 345(3), 346(3)
   3. Applied Music (6 hours) to be selected from class and/or private instruction. At least four hours must be in private instruction in the major performance area.
   4. Performing Ensemble electives (4 hours)
   5. Additional electives (10 hours) selected in consultation with the advisor. Must include at least 7 hours of upper division courses.
   6. Recital Attendance: MUS 107(0), 108(0), 207(0), 208(0), 307(0), 308(0), and 407(0)
   7. Pass Piano Proficiency Examination
   8. Upper Division Applied Status: MUS 298(0)
   9. Public Affairs Capstone Experience will be fulfilled by completion of MUS 346(3).
C. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses counted toward the major.
D. Minor Required (or second major)
E. Specific Bachelor of Arts Degree Requirements
F. General Baccalaureate Degree Requirements

Music (Non-Comprehensive)

Music (Non-Comprehensive)

Bachelor of Science

Admission and audition requirements

Music degrees are designed to develop the student's abilities for performance, public school certification for teaching, private teaching, or composition. These degrees also prepare students for graduate study in music.

Students desiring to pursue a BA, BMus, BME, or BS music major or minor must first audition for a committee of applied faculty in that student's desired performance area.* This audition should take place during the semester prior to the first semester of enrollment in applied lessons. See Music Department website for audition dates. All students will be required to demonstrate, through successful completion of a Music Theory Entrance Exam, a rudimentary ability to relate musical sound to notation and terminology before beginning the theory and ear-training sequence.

All music majors must apply for formal admission to the degree program. This typically will occur at the end of the sophomore year, and must be completed before the student has finished 75 hours. In order to be admitted to the degree program, students must pass MUS 298, the piano proficiency exam, and have a combined (Missouri State and transfer) GPA of at least 2.75 and a combined (Missouri State and transfer) GPA of at least 3.00 in Music courses. Students who have not been formally admitted to the degree program will be unable to enroll in 300-level and above applied study.

*Students pursuing the minor in either Composition or Recording Arts are not required to audition in a performance area.

Program requirements

A. General Education Program and Requirements
B. Major Requirements (38 hours). Note: A grade of "C" or better is required in all Music courses counted toward the major.
   1. Basic Theory (9 hours): MUS 103(3), 104(3), 203(3)
   2. Music History/Literature (9 hours): MUS 239(3), 345(3), 346(3)
   3. Applied Music (6 hours) to be selected from class and/or private instruction. At least four hours must be in private instruction in the major performance area.
   4. Performing Ensemble electives (4 hours)
   5. Additional electives (10 hours) selected in consultation with the advisor. Must include at least 7 hours of upper division courses.
   6. Recital Attendance: MUS 107(0), 108(0), 207(0), 208(0), 307(0), 308(0), and 407(0)
   7. Pass Piano Proficiency Examination
   8. Upper Division Applied Status: MUS 298(0)
   9. Public Affairs Capstone Experience will be fulfilled by completion of MUS 346(3).
C. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses counted toward the major.
D. Minor Required (or second major)
E. General Baccalaureate Degree Requirements

Assessment

All undergraduate majors in all degrees will be required to take an assessment test in music prior to graduation. This test will be administered at no cost to the student and will not be used for any purpose other than that of assessing departmental programs and courses.

Applied music courses

Amount of credit for each course is determined by the Music Department at registration. All applied music courses may be repeated for credit. Applied music courses: 149, 151, 152, 153, 155, 156, 157, 158, 159, 160, 249, 251, 252, 253, 255, 256, 257, 258, 259, 260, 349, 351, 352, 353, 355, 356, 357, 358, 359, 360, 398, 449, 451, 452, 453, 455, 456, 457, 458, 459, 460, 498, 649, 651, 652, 653, 655, 656, 657, 660, 749, 751, 752, 753, 755, 756, 757, 760, 798.

Ensembles

All ensemble courses may be repeated for credit. Only eight hours of ensembles can be counted toward a degree. Ensembles courses: MUS 161, 162, 163, 168, 172, 173, 174, 175, 176, 178, 192, 193, 280, 361, 362, 363, 368, 372, 373, 374, 375, 376, 380, 392, 393, 480, 561, 563.

Diploma in Applied Music

A diploma recital may be given by Bachelor of Arts, Bachelor of Science, and Bachelor of Music Education majors. Based on excellence in performance, this departmental diploma is granted upon recommendation of the Department of Music. It is not granted to those receiving the Bachelor of Music degree since excellence in performance is evident in the awarding of this degree. Contact the department for more information.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Bachelor of Music

Major(s)

Music (Comprehensive)

Bachelor of Music

Admission and audition requirements

Music degrees are designed to develop the student's abilities for performance, public school certification for teaching, private teaching, or composition. These degrees also prepare students for graduate study in music.

Students desiring to pursue a BA, BMus, BME, or BS music major or minor must first audition for a committee of applied faculty in that student's desired performance area.* This audition should take place during the semester prior to the first semester of enrollment in applied lessons. See Music Department website for audition dates. All students will be required to demonstrate, through successful completion of a Music Theory Entrance Exam, a rudimentary ability to relate musical sound to notation and terminology before beginning the theory and ear-training sequence.

All music majors must apply for formal admission to the degree program. This typically will occur at the end of the sophomore year, and must be completed before the student has finished 75 hours. In order to be admitted to the degree program, students must pass MUS 298, the piano proficiency exam, and have a combined (Missouri State and transfer) GPA of at least 2.75 and a combined (Missouri State and transfer) GPA of at least 3.00 in Music courses. Students who have not been formally admitted to the degree program will be unable to enroll in 300-level and above applied study.

*Students pursuing the minor in either Composition or Recording Arts are not required to audition in a performance area.

Program requirements

A. General Education Program and Requirements
B. Major Requirements (78-87 hours). Note: A grade of "C" or better is required in all Music courses counted toward the major.
    1. Music Core Requirements (32 hours)
        a. Foreign Language (6 hours) select from: French, German, or Italian
        b. Basic Theory (12 hours): MUS 103(3), 104(3), 203(3), 204(3)
        c. Music History/Literature (9 hours): MUS 239(3), 345(3), 346(3)
        d. Piano (3 hours-may be waived by examination): MUS 137(1), 138(1), 237(1)
        e. Conducting (2 hours): MUS 321(2)
        f. Recital Attendance: MUS 107(0), 108(0), 207(0), 208(0), 307(0), 308(0), and 407(0)
        g. Upper Division Applied Status: MUS 298(0)
    2. Choose one of the following options:
        a. **Composition** (52-53 hours)
            1. Composition (15 hours): MUS 498(2) and 13 additional hours selected from: MUS 327(2), 516(2-4), 517(2-4), 520(2-4), 521(2-4)
            2. Advanced Music History/Literature (5-6 hours) select from: MUS 523(2), 524(2), 543(3), 544(3), 545(3), 546(3), 547(3), 548(2)
            3. Advanced Music Theory (11 hours): MUS 313(2), 314(2), 315(2), 328(2), 512(3)
            4. Large Ensembles (8 hours) as determined by audition; full-time students shall be in a large ensemble each semester until

graduation. Select from: MUS 161(1), 361(1), 561(1); MUS 162(1), 362(1); MUS 163(1), 363(1), 563(1); MUS 168(1), 368(1); MUS 175(1), 375(1); MUS 176(1), 376(1); MUS 192(1), 392(1)

5. Small Ensemble (1 hour) select from: MUS 172(1), 372(1); MUS 173(1), 373(1); MUS 174(1), 374(1)
6. Applied Music (12 hours)
    a. Keyboard (4 hours) select from: MUS 137(1), 138(1), 151(1), 251(1), 351(1), 451(1)
    b. Remaining hours in a single applied area (8 hours)
7. Public Affairs Capstone Experience will be fulfilled by completion of MUS 498(2) and MUS 520(2) or 521(2).

b. **Instrumental Performance** (46-47 hours)

1. Advanced Music History/Literature (5-6 hours) select from: MUS 523(2), 524(2), 543(3), 544(3), 545(3), 546(3), 547(3), 548(2)
2. Advanced Music Theory (6 hours) select from: MUS 313(2), 314(2), 315(2), 327(2), 328(2)
3. Large Ensembles (8 hours) as determined by audition; full-time students shall be in an instrumental ensemble each semester until graduation. Select from: MUS 175(1), 375(1); MUS 176(1), 376(1)
4. Small Ensembles (4 hours) select from: MUS 172(1), 372(1); MUS 173(1), 373(1); MUS 174(1), 374(1)
5. Pedagogy (2 hours): MUS 538(2)
6. Applied Music (21 hours), must include MUS 398(2-4) and MUS 498(2-4)
7. Public Affairs Capstone Experience will be fulfilled by completion of MUS 498(2) and 2 hours from MUS 449, 455, 456, 457, 458, 459, 460.

c. **Jazz Performance** (46-47 hours)

1. Jazz Studies (14 hours)
    a. Jazz Theory/Jazz Keyboard Skills (2 hours): MUS 119(2)
    b. Jazz Improvisation (6 hours): MUS 219(2), 220(2), 319(2)
    c. Jazz History (3 hours): MUS 347(3)
    d. Jazz Arranging (3 hours): MUS 526(3) Jazz section only
2. Advanced Music History (6 hours) select from: MUS 543(3), 544(3), 545(3), 546(3), 547(3)
3. Advanced Music Theory (6-7 hours) select from: MUS 313(2), 314(2), 315(2), 327(2), 328(2), 529(3)
4. Large Ensemble-Jazz (4 hours) as determined by audition: Select from: MUS 174(1), 374(1)
5. Small Ensemble-Jazz Symposium (6 hours) as determined by audition: Select from: MUS 172(1), 372(1)-Jazz section only
6. Applied Music (10 hours), must include MUS 398(2-4) and MUS 498(2-4)
7. Public Affairs Capstone Experience will be fulfilled by completion of MUS 498(2) and 2 hours from MUS 449, 451, 455, 456, 457, 458.

d. **Keyboard Performance** (46-47 hours)

1. Advanced Music History/Literature (5-6 hours) select from: MUS 523(2), 524(2), 543(3), 544(3), 545(3), 546(3), 547(3), 548(2)
2. Advanced Music Theory (6 hours) select from: MUS 313(2), 314(2), 315(2), 327(2), 328(2)
3. Large Ensembles (8 hours) as determined by audition; full-time students shall be in a large ensemble each semester until graduation. Select from: MUS 161(1), 361(1), 561(1); MUS 162(1), 362(1); MUS 163(1), 363(1), 563(1); MUS 168(1), 368(1); MUS 175(1), 375(1); MUS 176(1), 376(1); MUS 192(1), 392(1)
4. Small Ensembles (4 hours) select from: MUS 172(1), 372(1); MUS 173(1), 373(1); MUS 174(1), 374(1). Keyboard majors may substitute up to three hours of Accompanying.
5. Pedagogy (2 hours): MUS 538(2)
6. Applied Music (21 hours). Complete one of the following.
    a. Primary Instrument-Piano
        a. 19 hours from MUS 151, 251, 351, 451, 398, 498. Must include MUS 398(2-4) and MUS 498(2-4)
        b. 2 hours from MUS 152, 252, 352, 452, 160, 260, 360, 460 (Organ or Carillon)
    b. Primary Instrument-Organ
        a. 19 hours from MUS 152, 252, 352, 452, 398, 498. Must include MUS 398(2-4) and MUS 498(2-4)
        b. 2 hours from MUS 151, 251, 351, 451, 160, 260, 360, 460 (Piano or Carillon)
    c. Primary Instrument-Carillon
        a. 19 hours from MUS 160, 260, 360, 460, 398, 498. Must include MUS 398(2-4) and MUS 498(2-4)
        b. 2 hours from MUS 151, 251, 351, 451, 152, 252, 352, 452 (Piano or Organ)
7. Public Affairs Capstone Experience will be fulfilled by completion of MUS 498(2) and 2 hours from MUS 451 or 452 or 460.

e. **Vocal Performance** (54-55 hours)

1. Advanced Music History/Literature (5-6 hours) select from: MUS 523(2), 524(2), 543(3), 544(3), 545(3), 546(3), 547(3), 548(2)

2. Advanced Music Theory (6 hours) select from: MUS 313(2), 314(2), 315(2), 327(2), 328(2)

3. Large Ensembles (8 hours) as determined by audition, full-time students shall be in one of the following choral ensembles each semester until graduation. Select from: MUS 161(1), 361(1), 561(1); MUS 162(1), 362(1); MUS 163(1), 363(1), 563(1); MUS 168(1), 368(1)
4. Small Ensembles (4 hours): MUS 172(1), 372(1); MUS 193(1), 393(1)
5. Pedagogy (2 hours): MUS 530(2)
6. Applied Music (21 hours), must include MUS 398(2-4) and MUS 498(2-4)
7. Foreign Language (6 additional hours in a language other than that used in the Music Core) select from: French, German, Italian
8. Singing Diction I and II (2 hours): MUS 294(1) and 295(1)
9. Public Affairs Capstone Experience will be fulfilled by completion of MUS 498(2) and 2 hours of MUS 453.

C. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses counted toward the major.
D. General Baccalaureate Degree Requirements

Assessment

All undergraduate majors in all degrees will be required to take an assessment test in music prior to graduation. This test will be administered at no cost to the student and will not be used for any purpose other than that of assessing departmental programs and courses.

Applied music courses

Amount of credit for each course is determined by the Music Department at registration. All applied music courses may be repeated for credit. Applied music courses: 149, 151, 152, 153, 155, 156, 157, 158, 159, 160, 249, 251, 252, 253, 255, 256, 257, 258, 259, 260, 349, 351, 352, 353, 355, 356, 357, 358, 359, 360, 398, 449, 451, 452, 453, 455, 456, 457, 458, 459, 460, 498, 649, 651, 652, 653, 655, 656, 657, 660, 749, 751, 752, 753, 755, 756, 757, 760, 798.

Ensembles

All ensemble courses may be repeated for credit. Only eight hours of ensembles can be counted toward a degree. Ensembles courses: MUS 161, 162, 163, 168, 172, 173, 174, 175, 176, 178, 192, 193, 280, 361, 362, 363, 368, 372, 373, 374, 375, 376, 380, 392, 393, 480, 561, 563.

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Missouri State

Music-Instrumental

Major(s)

Music-Instrumental (Comprehensive)

Bachelor of Music Education

(Certifiable grades K-12)

Admission and audition requirements

Music degrees are designed to develop the student's abilities for performance, public school certification for teaching, private teaching, or composition. These degrees also prepare students for graduate study in music.

Students desiring to pursue a BA, BMus, BME, or BS music major or minor must first audition for a committee of applied faculty in that student's desired performance area.* This audition should take place during the semester prior to the first semester of enrollment in applied lessons. See Music Department website for audition dates. All students will be required to demonstrate, through successful completion of a Music Theory Entrance Exam, a rudimentary ability to relate musical sound to notation and terminology before beginning the theory and ear-training sequence.

All music majors must apply for formal admission to the degree program. This typically will occur at the end of the sophomore year, and must be completed before the student has finished 75 hours. In order to be admitted to the degree program, students must pass MUS 298, the piano proficiency exam, and have a combined (Missouri State and transfer) GPA of at least 2.75 and a combined (Missouri State and transfer) GPA of at least 3.00 in Music courses. Students who have not been formally admitted to the degree program will be unable to enroll in 300-level and above applied study.

*Students pursuing the minor in either Composition or Recording Arts are not required to audition in a performance area.

Admission to Teacher Education Program

Application to Teacher Education Program is automatic upon completion of MUS 200 and is contingent upon completion of requirements. Admission to the program is required before students are allowed to enroll in additional courses in the professional education component. The criteria below are used to determine admission to the Teacher Education Program

1. Completion of 45 credit hours.
2. Combined GPA (Missouri State and transfer) of 2.75 or higher
3. Combined GPA (Missouri State and transfer) of 3.00 or higher in the major requirements (music content)
4. Piano proficiency passed
5. Completion of COM 115, MUS 148, and MUS 200 with a grade of "C" or higher and MUS 298 with a grade of "P"
6. Purchased and activated a subscription to Taskstream (comprehensive portfolio system)
7. Earned a composite score of 20 or better on the ACT or earned passing scores on all four sub-sets of the Missouri General Education Assessment (MoGEA). Refer to the MoGEA website for details.
8. Completion of Transition Point One.
9. Approval of the Educator Preparation Provider Council

Program requirements

All students must be admitted to the Teacher Education Program and to Supervised Teaching in order to earn this degree. The curriculum for music education leads to the degree of Bachelor of Music Education and carries with it an Initial Professional Certificate (IPC) to teach in the state of Missouri.

A. General Education Program and Requirements
B. Major Requirements (64-65 hours). Note: A grade of "C" or better is required in all Music courses counted toward the major.
   1. Music Theory (14 hours): MUS 103(3), 104(3), 203(3), 204(3), 315(2)
   2. Music History/Literature (9 hours): MUS 239(3), 345(3), 346(3)
   3. Conducting (4 hours): MUS 321(2), 323(2)
   4. Secondary Instruments (7 hours): MUS 131(1), 133(1), 141(1), 142(1), 144(1), 145(1), 146(1)
   5. Music Education Elective (1-2 hours): Select from: MUS 135(1), 136(1), 216(2), 219(2), 327(2)
   6. Specialization (3 hours): MUS 506(3) or 539(3)
   7. Piano (3 hours – may be waived by examination): MUS 137(1), 138(1), 237(1)
   8. Instrumental Arranging (2 hours): MUS 328(2)
   9. Applied Music (14 hours): must include MUS 498(2-4)
   10. Recital Attendance: MUS 107(0), 108(0), 207(0), 208(0), 307(0), 308(0), 407(0)
   11. Upper Division Applied Status: MUS 298(0)
   12. Large Ensemble (7 hours): As determined by audition, full-time students shall be in one of the following instrumental ensembles, each semester except the supervised teaching semester, until graduation: MUS 174(1), 374(1); MUS 175(1), 375(1); MUS 176(1), 376(1); MUS 177(1), 377(1). Applied keyboard majors may substitute up to three hours of Accompanying: MUS 192(1), 392(1). All Brass, Woodwind, Percussion, Strings (except guitar) must audition for and play in an assigned instrumental ensemble for seven semesters. Brass, woodwind and percussion students are also required to complete two semesters in Pride Marching Band.
   13. Public Affairs Capstone Experience will be fulfilled by completion of MUS 488(2) and 496(5).
C. Professional Education Requirements (33 hours): Note: A grade of "C" or better in each course is required for state certification.
   1. Introduction to Music Teaching (1 hour): MUS 148(1)
   2. Principles and General Methods of Music Education (3 hours): MUS 200(3)
   3. Adaptive Music for Special Learners (2 hours): MUS 340(2)
   4. Introduction to Multicultural Education and Diversity (3 hours): EDC 345(3)
   5. Educational Psychology (3 hours): PSY 360(3)
   6. Reading and Writing in the Content Fields (3 hours): RDG 474(3)
   7. Secondary Instrumental Methods and Materials (3 hours): MUS 411(3)
   8. Music in Early Childhood and the Elementary School (3 hours): MUS 430(3)
   9. Student Teaching Seminar (2 hours): MUS 488(2)
   10. Supervised Teaching (10 hours): MUS 494(5), 496(5).
D. General Baccalaureate Degree Requirements
E. At least a 3.00 combined (Missouri State and transfer) GPA with no grade lower than a "C" in Professional Education Requirements (section C)
F. At least a 3.00 combined (Missouri State and transfer) GPA with no grade lower than a "C" in Major Requirements (section B)
G. Additionally State Board of Education certification rules require the following:
   1. Completed degree in music education
   2. Attainment of all Missouri Teacher Education Requirements in effect at the time of certification
   3. Successful completion of Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education. Refer to the MEGA website for details.

Assessment

All undergraduate majors in all degrees will be required to take an assessment test in music prior to graduation. This test will be administered at no cost to the student and will not be used for any purpose other than that of assessing departmental programs and courses.

Applied music courses

Amount of credit for each course is determined by the Music Department at registration. All applied music courses may be repeated for credit. Applied music courses: 149, 151, 152, 153, 155, 156, 157, 158, 159, 160, 249, 251, 252, 253, 255, 256, 257, 258, 259, 260, 349, 351, 352, 353, 355, 356, 357, 358, 359, 360, 398, 449, 451, 452, 453, 455, 456, 457, 458, 459, 460, 498, 649, 651, 652, 653, 655, 656, 657, 660, 749

751, 752, 753, 755, 756, 757, 760, 798.

Ensembles

All ensemble courses may be repeated for credit. Only eight hours of ensembles can be counted toward a degree. Ensembles courses: MUS 161, 162, 163, 168, 172, 173, 174, 175, 176, 178, 192, 193, 280, 361, 362, 363, 368, 372, 373, 374, 375, 376, 380, 392, 393, 480, 561, 563.

Diploma in Applied Music

A diploma recital may be given by Bachelor of Arts, Bachelor of Science, and Bachelor of Music Education majors. Based on excellence in performance, this departmental diploma is granted upon recommendation of the Department of Music. It is not granted to those receiving the Bachelor of Music degree since excellence in performance is evident in the awarding of this degree. Contact the department for more information.

Vocal/Choral or Instrumental Optional Missouri Teacher Certification Endorsements (Certifiable grades K-12)

Bachelor of Music Education

A. Vocal/Choral Endorsement for Instrumental Music Major (14 hours). Note: A grade of "C" or better is required in all Music courses counted toward the endorsement.
   1. Applied Voice (4 hours) select from: MUS 153(1), 253(1), 353(1), 453(1) and/or Voice Class (2 hours) select from: MUS 135(1), 136(1)
   2. Singing Diction (2 hours): MUS 294(1), 295(1)
   3. Choral Conducting (2 hours): MUS 322(2)
   4. Choral Literature (3 hours): MUS 510(3)
   5. Choral Arranging (2 hours): MUS 518(2)
   6. Large Choral Ensemble (2 hours) select from: MUS 161(1), 361(1), 561(1); MUS 162(1), 362(1); MUS 163(1), 363(1), 563(1); MUS 168(1), 368(1)

B. Instrumental Endorsement for Vocal/Choral Music Major (14 hours). Note: A grade of "C" or better is required in all Music courses counted toward the endorsement.
   1. Applied Music-Instrumental (2 hours)
   2. Techniques (6 hours - may be waived by examination) select from: MUS 131(1), 133(1), 141(1), 142(1), 144(1), 145(1), 146(1)
   3. Instrumental Conducting (2 hours): MUS 323(2)
   4. Instrumentation (2 hours): MUS 328(2)
   5. Large Instrumental Ensemble (2 hours) select from: MUS 175(1), 375(1); MUS 176(1), 376(1)

C. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses counted toward the endorsements.

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Missouri State

Music-Vocal/Choral

Major(s)

Music-Vocal/Choral (Comprehensive)

Bachelor of Music Education

(Certifiable grades K-12)

Admission and audition requirements

Music degrees are designed to develop the student's abilities for performance, public school certification for teaching, private teaching, or composition. These degrees also prepare students for graduate study in music.

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All music majors must apply for formal admission to the degree program. This typically will occur at the end of the sophomore year, and must be completed before the student has finished 75 hours. In order to be admitted to the degree program, students must pass MUS 298, the piano proficiency exam, and have a combined (Missouri State and transfer) GPA of at least 2.75 and a combined (Missouri State and transfer) GPA of at least 3.00 in Music courses. Students who have not been formally admitted to the degree program will be unable to enroll in 300-level and above applied study.

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1. Completion of 45 credit hours.
2. Combined GPA (Missouri State and transfer) of 2.75 or higher
3. Combined GPA (Missouri State and transfer) of 3.00 or higher in the major requirements (music content)
4. Piano proficiency passed
5. Completion of COM 115, MUS 148, and MUS 200 with a grade of "C" or higher and MUS 298 with a grade of "P"
6. Purchased and activated a subscription to Taskstream (comprehensive portfolio system)
7. Earned a composite score of 20 or better on the ACT or earned passing scores on all four sub-sets of the Missouri General Education Assessment (MoGEA). Refer to the MoGEA website for details.
8. Completion of Transition Point One.
9. Approval of the Educator Preparation Provider Council

Program Requirements

All students must be admitted to the Teacher Education Program and to Supervised Teaching in order to earn this degree. The curriculum for music education leads to the degree of Bachelor of Music Education and carries with it an Initial Professional Certificate (IPC) to teach in the state of Missouri.

A. General Education Program and Requirements
B. Major Requirements (61 hours). Note: A grade of "C" or better is required in all Music courses counted toward the major.
    1. Music Theory (14 hours): MUS 103(3), 104(3), 203(3), 204(3), 315(2)
    2. Music History/Literature (9 hours): MUS 239(3), 345(3), 346(3)
    3. Conducting (4 hours): MUS 321(2), 322(2)
    4. Diction (2 hours): MUS 294(1), 295(1)
    5. Guitar for the Music Educator (1 hour): MUS 133(1)
    6. Vocal Pedagogy and Materials (3 hours): MUS 530(3)
    7. Music Education Elective (2 hours): Select from: MUS 131(1), 141(1), 142(1), 144(1), 145(1), 146(1), 216(2), 219(2), 327(2)
    8. Piano (3 hours – may be waived by examination): MUS 137(1), 138(1), 237(1)
    9. Choral Arranging (2 hours): MUS 518(2)
    10. Applied Music (14 hours): MUS 498(2), and 12 additional hours from MUS 153(2), 253(2), 353(2), 453(2)
    11. Recital Attendance: MUS 107(0), 108(0), 207(0), 208(0), 307(0), 308(0), 407(0)
    12. Upper Division Applied Status: MUS 298(0)
    13. Large Ensemble (7 hours): As determined by audition. Full-time students shall be in one of the following vocal ensembles, in their certification emphasis, each semester except the supervised teaching semester, until graduation (a minimum of seven hours must show on the completed transcript): MUS 161(1), 361(1), 561(1); MUS 162(1), 362(1); MUS 163(1), 363(1); MUS 168(1), 368(1)
    14. Public Affairs Capstone Experience will be fulfilled by completion of MUS 488(2) and 496(5).
C. Professional Education Requirements (36 hours): Note: A grade of "C" or better in each course is required for state certification.
    1. Introduction to Music Teaching (1 hour): MUS 148(1)
    2. Principles and General Methods of Music Education (3 hours): MUS 200(3)
    3. Adaptive Music for Special Learners (2 hours): MUS 340(2)
    4. Introduction to Multicultural Education and Diversity (3 hours): EDC 345(3)
    5. Educational Psychology (3 hours): PSY 360(3)
    6. Reading and Writing in the Content Fields (3 hours): RDG 474(3)
    7. Music in Early Childhood and the Elementary School (3 hours): MUS 430(3)
    8. Middle Childhood and Preadolescent Vocal Methods and Material: Vocal (3 hours): MUS 410(3)
    9. Adolescent and Early Adult Choral/Vocal Literature and Materials for Secondary Levels: Vocal (3 hours): MUS 510(3)
    10. Student Teaching Seminar (2 hours): MUS 488(2)
    11. Supervised Teaching (10 hours): MUS 494(5), 496(5)
D. General Baccalaureate Degree Requirements
E. At least a 3.00 combined (Missouri State and transfer) GPA with no grade lower than a "C" in Professional Education Requirements (section C)
F. At least a 3.00 combined (Missouri State and transfer) GPA with no grade lower than a "C" in Major Requirements (section B)
G. Additionally State Board of Education certification rules require the following:
    1. Completed degree in music education
    2. Attainment of all Missouri Teacher Education Requirements in effect at the time of certification
    3. Successful completion of Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education

Assessment

All undergraduate majors in all degrees will be required to take an assessment test in music prior to graduation. This test will be administered at no cost to the student and will not be used for any purpose other than that of assessing departmental programs and courses.

Applied music courses

Amount of credit for each course is determined by the Music Department at registration. All applied music courses may be repeated for credit. Applied music courses: 149, 151, 152, 153, 155, 156, 157, 158, 159, 160, 249, 251, 252, 253, 255, 256, 257, 258, 259, 260, 349, 351, 352, 353, 355, 356, 357, 358, 359, 360, 398, 449, 451, 452, 453, 455, 456, 457, 458, 459, 460, 498, 649, 651, 652, 653, 655, 656, 657, 660, 749, 751, 752, 753, 755, 756, 757, 760, 798

791, 792, 793, 795, 796, 797, 798, 799.

Ensembles

All ensemble courses may be repeated for credit. Only eight hours of ensembles can be counted toward a degree. Ensembles courses: MUS 161, 162, 163, 168, 172, 173, 174, 175, 176, 178, 192, 193, 280, 361, 362, 363, 368, 372, 373, 374, 375, 376, 380, 392, 393, 480, 561, 563.

Diploma in Applied Music

A diploma recital may be given by Bachelor of Arts, Bachelor of Science, and Bachelor of Music Education majors. Based on excellence in performance, this departmental diploma is granted upon recommendation of the Department of Music. It is not granted to those receiving the Bachelor of Music degree since excellence in performance is evident in the awarding of this degree. Contact the department for more information.

Vocal/Choral or Instrumental Optional Missouri Teacher Certification Endorsements (Certifiable grades K-12)

Bachelor of Music Education

A. Vocal/Choral Endorsement for Instrumental Music Major (14 hours). Note: A grade of "C" or better is required in all Music courses counted toward the endorsement.
   1. Applied Voice (4 hours) select from: MUS 153(1), 253(1), 353(1), 453(1) and/or Voice Class (2 hours) select from: MUS 135(1), 136(1)
   2. Singing Diction (2 hours): MUS 294(1), 295(1)
   3. Choral Conducting (2 hours): MUS 322(2)
   4. Choral Literature (3 hours): MUS 510(3)
   5. Choral Arranging (2 hours): MUS 518(2)
   6. Large Choral Ensemble (2 hours) select from: MUS 161(1), 361(1), 561(1); MUS 162(1), 362(1); MUS 163(1), 363(1), 563(1); MUS 168(1), 368(1)

B. Instrumental Endorsement for Vocal/Choral Music Major (14 hours). Note: A grade of "C" or better is required in all Music courses counted toward the endorsement.
   1. Applied Music-Instrumental (2 hours)
   2. Techniques (6 hours - may be waived by examination) select from: MUS 131(1), 133(1), 141(1), 142(1), 144(1), 145(1), 146(1)
   3. Instrumental Conducting (2 hours): MUS 323(2)
   4. Instrumentation (2 hours): MUS 328(2)
   5. Large Instrumental Ensemble (2 hours) select from: MUS 175(1), 375(1); MUS 176(1), 376(1)

C. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses counted toward the endorsements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Musical Theatre

Major(s)

Musical Theatre

Bachelor of Fine Arts

This major is offered in cooperation with the Department of Theatre and Dance.

The primary objective of this program shall be the development of the singer/actor/dancer who possesses a strong foundation in the requisite skills to pursue a career as a performing professional in musical theatre, including "book" musicals and variety productions.

Admission and audition requirements

In addition to the University's admission requirements, students are required to audition for acceptance to the BFA in Musical Theatre program prior to the first semester of course work in the major. Auditions and interviews for a place in the program are held on campus in February and March of each year. Specific information as to the date and the process is available through the Department of Theatre and Dance.

Performance reviews

In addition to the curricular requirements for the degree, students must successfully complete two performance reviews prior to graduation. These include a mid-program review after specified upper-level courses have been completed and an exit review given in one of the two semesters of the senior year.

Program requirements

A. General Education Program and Requirements
B. Major Requirements (86 hours)
   1. Acting (14 hours): THE 121(3), 221(3), 321(3), 421(3), 451(2)
   2. Applied Voice (11 hours): MUS 298(0), 498(2-4); and from MUS 153(1), 253(1), 353(1), and 453(1)
   3. Stage Voice and Movement (9 hours): THE 122(3), 226(2), 328(3), 424(1)
   4. History/analysis (9 hours): THE 130(3); MUS 343(3), 344(3)
   5. Technology (10 hours): THE 150(2), 151(1), 224(1), and select 6 hours from: THE 250(2) and 251(1); THE 255(3); THE 260(2) and 261(1)
   6. Musicianship (7 hours): MUS 103(3), 104(3), 137(1)
   7. Dance (12 hours): DAN 125(2) or 225(2); DAN 130(2) or 230(2); DAN 131(2) or 216(3); DAN 146(2) or 245(3); and DAN 323(2). If necessary, select additional hours from DAN 225(2), 245(3), 345(3), or 348(2) to reach 12 hours in Dance.
   8. Musical Theatre Practicum (8 hours) select from: MUS 193(1), 280(2), 380(2), 480(2); THE 495(1)
   9. Electives (6 hours): choose from Theatre, Music, or Dance courses with approval of advisor
   10. Public Affairs Capstone Experience will be fulfilled by completion of MUS 344(3) and 498(2-4).
C. GPA Graduation Requirement: A grade of "C" or better is required in all MUS courses counted toward the major. An overall GPA of 2.50 is required for all courses listed under major requirements.
D. General Baccalaureate Degree Requirements

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Missouri State

Office of the Registrar
Undergraduate Catalog

Music Minor

Minor(s)

Music

Bachelor of Arts

Bachelor of Science

A. Basic Theory (6 hours): MUS 103(3), 104(3)
B. Music History/Literature (6 hours): MUS 239(3), 346(3)
C. Applied Music (4 hours)
D. Elective Music Courses (2 hours) to bring total hours in Music to 18.
E. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses counted toward the minor.

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Missouri State

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Undergraduate Catalog

Music Composition

Minor(s)

Music Composition

Bachelor of Arts

Bachelor of Music

Bachelor of Science

A. Basic Theory (6 hours): MUS 103(3), 104(3)
B. Advanced Theory (10 hours): MUS 203(3); 313(2) or 314(2); 328(2) or 518(2); 512(3) or 529(3)
C. Composition (6 hours): MUS 327(2), 516(2), 517(2)
D. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses counted toward the minor.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Recording Arts

Minor(s)

Recording Arts

Bachelor of Arts

Bachelor of Music

Bachelor of Science

A. Basic Theory (2-3 hours): MUS 100(2) or 103(3)
B. Piano Class (1 hour): MUS 137(1)
C. Audio Techniques (9 hours): MUS 216(3), 316(3), 416(3)
D. Advanced Theory (6 hours): MUS 512(3), 529(3)
E. GPA Graduation Requirement: A grade of "C" or better is required in all Music courses counted toward the minor.

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Missouri State

Department of Theatre and Dance

Programs

Undergraduate

Dance (BS, Minor)

Musical Theatre (BFA)

Speech and Theatre Education (BSEd)

Theatre (BA, BS, Minor)

Theatre and Dance (BFA)

Accreditations

- National Association of Schools of Theatre-Commission on Accreditation – Musical Theatre (BFA); Speech and Theatre Education (BSEd); Theatre (BA, BS); Theatre and Dance (BFA)
- Missouri Department of Elementary and Secondary Education – Speech and Theatre Education (BSEd)
- Council for the Accreditation of Educator Preparation – Speech and Theatre Education (BSEd)

Program requirements and restrictions

General education program restriction

Students seeking a Bachelor of Fine Arts degree within the Theatre and Dance department may not use courses toward both the major requirements and the general education requirements.

Bachelor of Arts fine arts restriction

Students seeking a Bachelor of Arts degree in Theatre may not use courses toward both the major and the Fine Arts requirement.

Contact

Department head

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Missouri State

Theatre and Dance Faculty

Professors

Ruth E. Barnes, MFA

Micheal S. Foster, MFA

Kurt G. Heinlein, PhD

Christopher J. Herr, PhD

Carol J. Maples, EdD

Joseph Price, MFA

Robert W. Westenberg, MFA

Cynthia J. Winstead, MFA

Associate professors

Telory D. Arendell, PhD

Sara J. Brummel, MFA

Mark A. Putman, MFA

Sarah J. Wiggin, MFA

Assistant professors

Lisa Brescia, MFA

Michelle D. Harvey, MFA

Sarah H. Wilcoxon, MFA

Senior Instructor

Melinda Robinson, MFA

Emeritus faculty

Byrne D. Blackwood, PhD

Robert H. Bradley, PhD

Kathrine Brown, MFA

Sharon Ellis, MA

Robert W. Little, MFA

Rhythm McCarthy, MFA

John McElhaney, PhD

Chyrel Miller, MA

Staff

Managing director

- Mark M. Templeton, MA

Technical director

- Christopher S. Depriest, MFA

Scene shop supervisor

- Anna B. Hunt, BSEd

Musical theatre musician

- Heather M. Luellen, BM

Emeritus staff

- Ray Castrey, BM
- Gloria Reed

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Missouri State

Office of the Registrar
Undergraduate Catalog

Theatre and Dance Courses

Dance (DAN) courses

DAN 125 Dance Fundamentals: Tap Dance

Fundamentals of tap dance, with an emphasis on steps, terminology and the rhythmic structure of tap dance.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall, Spring

DAN 130 Dance Fundamentals: Ballet

Fundamentals of classical ballet technique, with an emphasis on alignment and basic movement vocabulary. Designed for students with little or no experience. May be repeated to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

DAN 131 Dance Fundamentals: Contemporary Dance

Fundamentals of contemporary dance techniques, with an emphasis on basic movement principles and vocabulary. Designed for students with little or no dance experience. Variable content course. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall, Spring

DAN 146 Beginning Jazz Dance

Prerequisite: DAN 130 and DAN 131, or permission of instructor.

Fundamentals of jazz dance technique and vocabulary. May be repeated to a total of 4 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

DAN 180 Introduction to the Dance

General Education Course (Focus on the Arts).

Survey of dance from a historical retrospective through the creative process. Emphasis will be placed on historical multi-cultural and societal influences on dance. The approach will be from the viewpoint of the audience to help heighten awareness of and increase critical thinking in relationship to the artistic experience. Buying tickets to and attendance at local productions required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

DAN 216 Elementary Contemporary Dance

Prerequisite: permission of instructor.

Explores elements of contemporary dance technique. Designed for students with at least one year of formal dance training. Variable content course. May be repeated to a total of 12 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall, Spring

DAN 225 Tap Dance II

Prerequisite: permission of instructor.

Elementary tap dance technique and vocabulary. Variable content course. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

DAN 230 Elementary Ballet

Prerequisite: permission of instructor.

Elementary classical ballet technique and vocabulary. This course is designed for students with at least one to two years of formal and consistent ballet training. Variable content course. May be repeated to a total of 12 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall, Spring

DAN 235 Men's Dance Technique I

Prerequisite: DAN 216 and DAN 230.

Basic techniques for the male dancer. Emphasis will be on strength building and developing the male dancer's technique and style. Variable content course. May be repeated to a total of 4 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Upon demand

DAN 240 First-Year Seminar: Introduction to the Profession

An introduction to the Missouri State University Dance program. Required of all new Dance majors and minors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

DAN 245 Elementary Jazz Dance

Prerequisite: permission of instructor.

Continues development of jazz dance technique and vocabulary. Elementary level technique designed for students with at least one year of formal dance training. Variable content course. May be repeated to a total of 12 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall, Spring

DAN 316 Intermediate Contemporary Dance

Prerequisite: permission of instructor.

Intermediate level contemporary dance technique. Variable content course. May be repeated to a total of 12 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

DAN 319 Contact Improvisation

Prerequisite: permission of instructor.

Contemporary dance improvisation that explores sharing weight, rolling, lifting, flying and finding one's center. Dancers will explore and focus on specific relationships in partnering.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Upon demand

DAN 320 Dance Composition I: Improvisation and Solo Forms

DAN 320 Dance Composition I: Improvisation and Solo Forms

Prerequisite: permission of instructor.

Contemporary dance improvisation techniques, and creative approaches to development of basic movement themes and simple and complex manipulations of those themes. The first course in the Dance Composition Series.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall

DAN 323 Musical Theatre Dance Styles

Prerequisite: permission of instructor.

Students will analyze and embody performance techniques as related to historical trends in choreography and staging for American Musical Theatre. A minimum of three production numbers featuring either original Broadway choreography or choreography devised by the instructor will be taught and performed during the semester.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring (odd-numbered years)

DAN 325 Tap Dance III

Prerequisite: permission of instructor.

Continues development of intermediate level tap dance technique and vocabulary. Variable content course. May be repeated to a total of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

DAN 330 Intermediate Ballet

Prerequisite: permission of instructor.

Intermediate level ballet technique. Variable content course. May be repeated to a total of 12 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

DAN 335 Men's Dance Technique II

Prerequisite: DAN 235.

Continued techniques for the male dancer. Emphasis will be on strength building and developing the male dancer's technique and style. Variable content course. May be repeated to a total of 4 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Upon demand

DAN 340 Third-Year Seminar: Preparation for the Profession

Prerequisite: 75 hours.

Professional preparation, including communication and leadership skills, promotional and website building.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

DAN 345 Intermediate Jazz Dance

Prerequisite: permission of instructor.

Intermediate level jazz dance techniques. Variable content course. May be repeated to a total of 12 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

DAN 348 Partnering

Prerequisite: permission of instructor.

Basic and elementary techniques of classical and contemporary partnering. Variable content course. May be repeated to a total of 4 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring (even-numbered years)

DAN 350 Research Methods for Dance

Prerequisite: Writing II and 60 hours.

This course addresses research methods, writing about dance, and conference presentation opportunities for research in dance.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

DAN 364 Applied Kinesiology for the Dancer

Prerequisite: BIO 101 and 111; or BIO 121; or BMS 110 and 111.

The specific study of dance techniques through the principles of motion, muscle action and joint mechanics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

DAN 365 Somatic Practices

Prerequisite: permission of instructor.

Application of selected somatic practices, designed to enhance performance skills and awareness. Variable content course. Repeatable up to 4 credit hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

DAN 372 Music Resources for Dancers

Prerequisite: permission of instructor.

A study of music for dance. Students will explore music from various times/cultures in terms of form, rhythm (meter, syncopation, subdivision), texture, mood, and instrumentation. Students will be introduced to new musical resources and an enhanced musical awareness, tools critical for the student's artistic growth.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring (even-numbered years)

DAN 390 Service Learning in Dance

Prerequisite: 30 hours and concurrent registration in a DAN course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in Dance to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Spring

DAN 416 Advanced Contemporary Dance

Prerequisite: permission of instructor.

Advanced level contemporary dance technique. Variable content course. May be repeated to a total of 12 hours.

Advanced level contemporary dance technique. Variable content course. May be repeated to a total of 12 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

DAN 420 Dance Composition II: Small Group Forms

Prerequisite: DAN 320.

Choreographic techniques that explore creative approaches to the development and manipulation of movement themes. Emphasis on small group studies that explore space, time and energy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Spring

DAN 430 Advanced Ballet

Prerequisite: permission of instructor.

Advanced level ballet technique. Variable content course. May be repeated to a total of 12 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

DAN 445 Advanced Jazz Dance

Prerequisite: permission of instructor.

Advanced level jazz dance techniques. Variable content course. May be repeated to a total of 12 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

DAN 482 Senior Project in Dance

Prerequisite: permission of instructor and 90 hours.

Public presentation of performance or paper to demonstrate the student's mastery of the skills received during the completion of the major. Required of all BS in Dance majors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

DAN 492 Senior BFA Review

Prerequisite: permission of BFA coordinator.

Public presentation of portfolio, project, or performance to demonstrate the student's mastery of the skills developed during the major. Required of all BFA Dance majors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

DAN 496 Readings

Prerequisite: permission of dance area coordinator.

Individual experimental or research studies in dance. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

DAN 497 Topics

Prerequisite: permission of instructor or course supervisor.

Group creative or special topics in dance. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

DAN 499 Projects

Prerequisite: permission of dance area coordinator.

Supervised individual creative projects in dance. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

DAN 520 Choreography and Production

Prerequisite: DAN 420 and THE 150.

Choreographing and directing a large group composition that will culminate with a performance on stage. Students will explore aspects of staging a complete work that will include the creation of original theme, casting of performers, choices of accompaniment, and lighting and costume design. Management of technical, business and artistic procedures involved in producing and staging dance productions. Public Affairs Capstone Experience course.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	1	4	Fall

DAN 530 Pointe

Prerequisite: permission of instructor.

Pointe technique that focuses on stability, correct alignment of the feet and use of turn-out. At least one classical variation will be taught.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

DAN 552 Dance History Seminar

Prerequisite: 60 hours and DAN 180 and Writing II.

Selected topics in the history of dance from the 20th century to the present.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

DAN 565 Dance Pedagogy

Prerequisite: 45 hours and DAN 316 and DAN 330 and DAN 345.

Overview of general theories and practices of teaching. This course investigates class content and various methodologies used to teach dance techniques and creative movement. Emphasis is placed on methods for teaching the beginning and elementary level student. Opportunities to develop and implement lesson plans, and to develop comprehensive training syllabi. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall (even-numbered years)

DAN 592 Performance

Prerequisite: permission of instructor.

Performance laboratory for students in Dance. Focused study of dance repertory from a variety of genres. Emphasis will be placed on performance techniques as related to various styles. Variable content course. May be repeated to a total of 4 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

Theatre (THE) courses

THE 101 Introduction to Theatre and Drama Arts

General Education Course (Focus on the Arts).

The creative processes of transforming drama to stage, film and television. A study of the collaborations and contributions that the various artists make to the process. Intended to increase the audience's ability to think critically about the artistic experience. Buying tickets to and attendance at local productions required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	THEA 100A - Theatre Appreciation.



Access the CORE 42 portal

THE 109 Performance Studies

Exploration of the social, cultural, and aesthetic aspects of performance through an examination of self and society. Course combines lecture, readings, and individual student performances of oral and literary texts. Course enrollment is limited and much one-on-one work takes place.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

THE 121 Acting Studio I

Prerequisite: concurrent enrollment in THE 122; open only to BFA Acting and Musical Theatre majors admitted through the audition process.

Development of foundational acting skills for the pre-professional actor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall

THE 122 The Tools of the Actor

Prerequisite: open only to admitted BFA Acting, BFA Musical Theatre, BA and BS Theatre, and BSED Speech and Theatre students.

An introduction to the fundamental tools of the actor: physical development, vocal development, and ensemble collaboration.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

THE 125 Voice and Movement for the Stage

Exercises in physical and vocal development for the actor. Introductory tools regarding anatomy, breathing, and articulation; care and maintenance of body and voice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Upon demand

THE 130 Introduction to Script Analysis

Analysis of the script and its translation from page to performance through an examination of the relationships of directors, designers, performers, and audience in the rehearsal process and theatrical performance. Buying tickets to and attendance at local productions required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

THE 150 Introduction to Theatre Technology

An introduction to the working relationships of designers and basic principles of costuming, lighting, and stagecraft. Buying tickets to and attendance at local productions required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

THE 151 Introduction to Theatre Technology Lab

Prerequisite: THE 150 or concurrent enrollment.

Practical application of the principles addressed in THE 150.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

THE 195 Theatre Laboratory

Supervised practical work in the theatre including both on and off stage work. Requires 50 laboratory hours; 25 must be in technical areas. May be repeated to a total of 4 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

THE 205 Speech for the Elementary Classroom

Speech activities in the elementary grades, correlating storytelling, choral reading, creative dramatics and speech correction.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

THE 210 Writing for Theatre

Prerequisite: ENG 110 or equivalent and 30 hours.

Study and practice of the discourse conventions of writing about dramatic literature and performance from the perspective of an educated generalist in the field. Students will hone skills of research, analysis, and argumentation in order to become more skillful theatre patrons, historians, and critics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

THE 221 Acting Studio II

Prerequisite: THE 121.

Builds upon the pre-professional foundation developed in THE 121. Emphasis on finding truth in performance through applicable acting techniques and actualization of text. Application of play analysis to character study.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

THE 222 Acting Fundamentals

A foundation in characterization, scene study, and auditioning. Buying tickets and attending local performances is required. Cannot replace THE 121 requirement for BFA Acting and BFA Musical Theatre majors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

THE 224 Stage Makeup I

Laboratory course providing students with fundamentals of the art of two dimensional makeup.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

1	0	2	Fall, Spring

THE 226 Intermediate Voice and Movement

Prerequisite: THE 122 and permission of instructor.

Development of dynamic physical and vocal expression of text. Exercises in discarding negative self-awareness and habitual physical/vocal patterns that inhibit emotional expression.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Spring

THE 228 Singing for the Actor

Prerequisite: THE 221 or permission of instructor.

Approaches to singing for actors, with emphasis upon honest characterization and discovery in song.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

THE 250 Stagecraft and Construction I

Prerequisite: THE 150.

Working illustrations, construction, rigging, painting, and shifting of scenic units.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

THE 251 Stagecraft and Construction Lab

Prerequisite: concurrent enrollment in THE 250.

Practical application of the principles addressed in THE 250.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

THE 255 Lighting Design I

Prerequisite: THE 150.

Introduction to the basic principles and practices of theatrical lighting design with an emphasis upon practical application. This combined lecture-lab course will encompass most aspects of a complete lighting design process through the study and application of lighting instrumentation, basic electrics and signal flow, photometry, color theory, script analysis, lighting plots and paperwork, and research

collaboration.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

THE 256 Lighting Lab

Prerequisite: concurrent enrollment in THE 255.

Practical application of the principles addressed in THE 255.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

THE 260 Costume Construction I

Prerequisite: THE 150.

Fundamentals of costuming for the stage. A study of fabrics and construction; basic cutting and sewing techniques; costume shop organization and stage management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

THE 261 Costume Construction Lab

Prerequisite: THE 260 or concurrent enrollment.

Practical application of the principles addressed in THE 260.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

THE 270 Drawing and Rendering for Theatre I

A survey of drawing and the use of various media as applicable to theatrical design. Includes figure and perspective drawing techniques.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

THE 271 Drawing and Rendering for Theatre II

Prerequisite: THE 270.

A continuation of the study of drawing, including figure and perspective drawing techniques. The use of various color media as applicable to theatrical design.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

THE 275 Drafting for the Stage

Prerequisite: THE 150.

Basic drafting techniques and practices for theatrical applications. Study of tools, methods, and formulas used in generating designs and drawings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

THE 280 Design Seminar Design Principles

Prerequisite: THE 150.

Basic principles of design as these relate to the theatre, intensive laboratory experience in theatrical design. Buying tickets to and attendance at local performances required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

THE 281 Design Seminar-Lighting and Scenic Design Principles

Prerequisite: THE 150; and THE 270 or THE 271.

Basic principles of lighting and scenic design as these relate to the theatre. Intensive laboratory experience in theatrical design. Buying tickets to and attendance at local performances required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

THE 292 BFA Review

Prerequisite: permission of area coordinator.

Public presentation of a portfolio, a project, or a performance demonstrating the student's mastery of the skills received during the major.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

THE 295 Production/Design/Stage Management Project

Prerequisite: permission of area coordinator.

Technical or design or stage management assignment requiring an intermediate level of expertise and responsibility connected with a specific departmental production.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

THE 306 Interrelated and Integrated Arts

Prerequisite: ELE 302.

Theory, methodology, and activities for teaching the arts to children, from early childhood through Grade 6. A creative experiential approach, emphasizing how the four primary art forms (drama, movement, music, and art) relate to and enhance one another and facilitate the child's learning in other content areas. Cannot receive credit for both THE 306 and MUS 306.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

THE 321 Acting Studio III

Prerequisite: THE 221.

Builds upon the pre-professional foundation developed in THE 121 and THE 221. Projects in advanced scene study, including contemporary drama and comedy. May be repeated up to 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall

THE 323 Acting-Performance and Literature

Prerequisite: THE 221 or THE 222.

Individual and group performance of plays, prose narrative and poetry.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

THE 324 Stage Makeup II

Prerequisite: THE 224.

Laboratory course dealing with three-dimensional makeup. Emphasis on prosthetics of latex.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

THE 326 Advanced Voice for the Actor

Prerequisite: THE 226.

Introduction to scansion and its application to performing classical material. Techniques for vocal health, stamina, and longevity.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall

THE 327 Advanced Movement for the Actor

Prerequisite: THE 226.

Advanced characterization and physicalization in the actor's performance.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

THE 328 Combat and Violence for Stage and Screen

Prerequisite: THE 226.

An introduction to the techniques and terminology used in the performance of combat and physical violence for stage and screen. Emphasis is placed upon safety and honest physicalization.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

THE 350 Stagecraft and Construction II

Prerequisite: THE 250 and THE 275.

Study of advanced building techniques. Work with "non-conventional" materials. Explore uses of mechanical stage machinery. Plan and budget productions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring (odd-numbered years)

THE 354 Stage Management

Prerequisite: THE 150.

Development of a production book and understanding of all procedures used by a stage manager from the selection of a script to the final production. The role of the stage manager is discussed for both the professional and the non-professional theatre.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

THE 377 Introduction to Giving Voice

Prerequisite: permission of Instructor.

This foundation course for THE 577 Giving Voice explores theatrical techniques and exercises inspired by the work of Augusto Boal, including forum theatre and image theatre. Students develop cultural competence pertinent to their own lives and community through various forms of performative activism. Students utilize these skills through participation in interactive forums for classroom and community presentations. Through these forum performances students develop leadership skills as they address issues of power, privilege, social identity and structures of oppression.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

THE 380 Design Seminar-Costume and Sound Design Principles

Prerequisite: THE 150.

Basic principles of costume and sound design as these relate to the theatre. Intensive laboratory experience in theatrical design. Buying tickets to and attendance at local performances required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

THE 381 Design Seminar-Collaborative Design Process

Prerequisite: THE 280 and THE 281 and THE 380.

Collaboration as it relates to all areas of theatrical design. Intensive laboratory experience in theatrical design. Buying tickets to and attendance at local performances required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

THE 382 Research and Concept Development

Research and dramaturgy as these apply to previsualization, design, production, and concept development for the theatre and the

performing arts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

THE 390 Service Learning in Theatre

Prerequisite: 30 hours and concurrent registration in a Theatre course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in Theatre to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

THE 392 BFA Review

Prerequisite: permission of area coordinator.

Public presentation of a portfolio, a project, or a performance demonstrating the student's mastery of the skills received during the major.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

THE 395 Production/Design/Stage Management Project

Prerequisite: permission of area coordinator.

Technical or design or stage management assignment requiring an advanced level of expertise and responsibility connected with a specific departmental production. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

THE 412 Structures and Styles in Classical Drama

Prerequisite: permission of instructor.

Study and exploration of dramatic modes in period and stylistic material. Monologue and scenework exploring Greek, Restoration, Romantic, and other performance styles.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Upon demand

THE 417 Teaching of Speech and Theatre

Prerequisite: EDC 350, SPE 340, EDT 365, 12 hours in communication and 12 hours in theatre, and admitted to Teacher Education Program.

Scope and objectives of the speech and theatre program in secondary schools; organization and administration of curricular and co-curricular programs; general instruction methodology. Completion of Checkpoint II for the Professional Portfolio is a component of this course. This course is recommended to be completed the fall semester before student teaching. Credited only on BSEd (Secondary). A grade of "C" or better is required in this course in order to take THE 490 or THE 491. Cannot be taken Pass/Not Pass. Identical with COM 417. Cannot receive credit for both THE 417 and COM 417.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

THE 421 Acting Studio IV

Prerequisite: THE 321.

Builds upon the pre-professional foundation developed in THE 121, THE 221, and THE 321. Advanced techniques and tutorial scene work as applicable to both classical and contemporary works. May be repeated up to 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

THE 422 Scene Study

Prerequisite: THE 321 or THE 323.

Tutorial scene study focusing on acting tools necessary for the rehearsal process. May be repeated up to 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

THE 424 Dialects

Prerequisite: THE 421.

A foundation in dialects for the actor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

THE 430 Directing I

Prerequisite: THE 130 and THE 150 and; either THE 121 or THE 222.

Basic principles, skills and techniques underlying directing. Procedures in selecting, analyzing, casting and producing a play.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

THE 451 Auditions

Prerequisite: THE 321.

Audition techniques for actors. Includes audition performance, material preparation, resumes, headshots, and industry skills and development.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall

THE 454 Scene Painting

Prerequisite: THE 270.

Study of painting equipment tools, brushes, pigments, binders, and vehicles and their relationship to the surfaces to be painted. Instruction in basic painting techniques and texturing for the stage.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring (even-numbered years)

THE 460 Costume Construction II

Prerequisite: THE 260.

Costume construction techniques with emphasis on patterning, draping, tailoring, and more specialized sewing and fabric manipulation processes. Requires 45 hours of laboratory work.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

THE 482 Senior Project in Theatre

Prerequisite: permission of instructor and 90 hours.

Public presentation of portfolio, project, performance, or paper to demonstrate the student's mastery of the skills received during the completion of the major. Required of all BA and BS in Theatre majors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

THE 489 Advanced Actor Seminar

Prerequisite: THE 421 and permission of instructor.

Lecture and laboratory experience for the actor about to enter the professional arena.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

THE 490 Supervised Teaching (Secondary Speech and Theatre)

Prerequisite: THE 417; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in THE 491.

Student observes, then teaches speech and theatre classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Cannot count toward the major GPA. Identical with COM 490. Cannot receive credit for both THE 490 and COM 490.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

THE 491 Supervised Teaching (Secondary Speech and Theatre)

Prerequisite: concurrent enrollment in THE 490.

Student observes, then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Cannot count toward the major GPA. Cannot receive credit for both THE 491 and COM 491. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

THE 492 Senior BFA Project

Prerequisite: permission of area coordinator.

Public presentation of portfolio, project, or performance to demonstrate the student's mastery of the skills received during the major. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

THE 493 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

THE 495 Theatre Practicum

An administrative, instructional, supervisory or guided production experience not available through class work. Student typically serves as a production aide to a faculty member, or assumes a faculty supervised artistic or leadership role. May be repeated to a total of 5 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

THE 496 Readings

Prerequisite: permission of department head.

Individual, experimental or research studies in theatre and performance studies. May be repeated to a total of 9 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

THE 497 Topics

Prerequisite: permission of department head.

Group creative or special topics in theatre and performance studies. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

THE 499 Projects

Prerequisite: permission of department head.

Supervised individual creative projects in theatre and performance studies. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

THE 505 Theatre for Children and Youth

Special training and techniques involved in the preparation and development of productions for, and by, children and youth. Activities include directing, scenic and costume design, scripting, and a study of the history, literature and research of the field. May be taught concurrently with THE 605. Cannot receive credit for both THE 605 and THE 505.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

THE 506 Creative Dramatics

The art of creative drama and how it can be used in the school and community with children, youth, adults, and "special populations." Students teach their own classes in creative drama during the latter part of the semester. May be taught concurrently with THE 606. Cannot receive credit for both THE 606 and THE 506.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

THE 510 Scripting and Performing

Prerequisite: THE 323.

Theoretical and practical knowledge in developing performance skills for one-person shows, extended literary performances, performance art, stand-up comedy, personal narrative and other performer-composed theatrical texts. May be taught concurrently with THE 611. Cannot receive credit for both THE 611 and THE 510.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

THE 511 Structures and Styles Shakespeare

Prerequisite: permission of instructor.

Understanding honesty, text, style, and dynamics of action in the performance of Shakespeare. Creating roles in Shakespeare's plays.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

THE 515 Theatre for Social Change

Prerequisite: THE 323.

Theoretical and practical knowledge for developing performances for, about, and in partnership with community-based nonprofit organizations. Includes volunteer assignment and techniques for journaling, interviewing, scripting, and directing original material. May be taught concurrently with THE 616. Cannot receive credit for both THE 616 and THE 515. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

THE 522 Auditioning and Acting for the Camera

Prerequisite: permission of instructor.

A practical immersion into the on-camera market for the professional actor. Auditioning and acting skills for single and multi-camera formats including commercials, television comedy, television drama, industrials, film, and other digital mediums. Also covers industry and marketing logistics in relation to the on-camera market. May be taught concurrently with THE 623. Cannot receive credit for both THE 522 and THE 623.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

THE 524 Acting on Film

Prerequisite: permission of instructor.

A focused immersion in acting for film and digital single-camera applications. Focus upon scale, the development of internal character conflicts, and honesty and complexity in characterization when performing on film.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

THE 530 Directing II

Prerequisite: THE 430.

Advanced directing techniques. Directing of a one-act play. May be taught concurrently with THE 640. Cannot receive credit for both THE 640 and THE 530.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

THE 541 Theatre History I

THE 541 Theatre History I

Prerequisite: Writing II.

Traces the important periods in the development of theatre from its beginning through the English Restoration. Through analysis of conventions of staging and dramatic literature, examines the aesthetic, cultural, ethical, and social dimensions of theatre in different cultures and time periods. May be taught concurrently with THE 631. Cannot receive credit for both THE 541 and THE 631.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

THE 542 Theatre History II

Prerequisite: Writing II.

Traces the important periods in the development of theatre from the 18th century to the present. Through analysis of conventions of staging and dramatic literature, examines the aesthetic, cultural, ethical, and social dimensions of theatre in different cultures and time periods. May be taught concurrently with THE 632. Cannot receive credit for both THE 542 and THE 632.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

THE 543 Development of Modern Theatre

Prerequisite: Writing II.

Examines the aesthetic, cultural, ethical, and social dimensions of modern theatre, from the development of naturalism to Theatre of the Absurd, through analysis of staging practices, theatrical theory, and dramatic literature. May be taught concurrently with THE 633. Cannot receive credit for both THE 543 and THE 633.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

THE 545 Contemporary Theatre

Prerequisite: Writing II.

Examines the aesthetic, cultural, ethical, and social dimension of theatre and drama since 1960. Emphasis will be on theatre as an art form and a social and cultural institution. May be taught concurrently with THE 634. Cannot receive credit for both THE 545 and THE 634.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

THE 547 Development of American Theatre

Prerequisite: Writing II.

Study of theatre in the United States from colonial times to the present; with a focus on the cultural and aesthetic variety of American theatrical practice and the theatre as a reflection of various cultural, and political beliefs. May be taught concurrently with THE 635. Cannot receive credit for both THE 635 and THE 547.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (even-numbered years)

THE 552 Scene Design II

Prerequisite: THE 275 and THE 281.

Advanced designs of selected plays including floor plans, front elevations, white and finished models and renderings. May be taught concurrently with THE 652. Cannot receive credit for both THE 652 and THE 552.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

THE 555 Lighting Design II

Prerequisite: THE 275 and THE 281.

Advanced principles and techniques of lighting for theatre, dance, and other performance/presentational events. May be taught concurrently with THE 655. Cannot receive credit for both THE 655 and THE 555.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

THE 558 Sound Design for the Theatre

Principles of sound design with an emphasis on practical application. Includes a study and practice of basic audio production, recording, editing, mixing, reinforcement, and playback techniques used in association with dramatic events. Study of sound design includes aesthetic, dramatic, and practical considerations of script analysis, creative collaboration, research, and problem solving. Practical class application will be in the form of simple projects, exercises, and designs. May be taught concurrently with THE 658. Cannot receive credit for both THE 658 and THE 558.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring (odd-numbered years)

THE 561 History of Costume and Decor I

A survey of styles of dress, interior design and decoration, architecture, art, and historical events as they pertain to the design of theatrical productions, from ancient Egypt to circa 1700. Requires sketching. May be taught concurrently with THE 671. Cannot receive credit for both THE 671 and THE 561.

THE 671 and THE 561.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

THE 562 History of Costume and Decor II

Survey of styles of dress, interior design and decoration, architecture, and art as they pertain to the design of theatrical productions, from circa 1700 to the present day. Requires sketching. May be taught concurrently with THE 672. Cannot receive credit for both THE 672 and THE 562.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

THE 565 Costume Design II

Prerequisite: THE 380.

Emphasis on special problems in costume design including applications of concepts to design projects and presentation of completed design projects. May be taught concurrently with THE 665. Cannot receive credit for both THE 665 and THE 565.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

THE 577 Giving Voice Workshop

Prerequisite: THE 377 and permission of instructor.

A studio class utilizing interactive theatre and various theatrical techniques where students fully develop and present public forums addressing issues of oppression, such as diversity and sexual harassment. It is designed to allow students to apply skills developed in THE 377 to help various audiences to develop cultural competence. Students further develop their own cultural competence and ethical leadership skills, as they continue to address issues of power, privilege, social identity and structures of oppression. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

THE 595 Theatre Practicum

Prerequisite: permission of department head.

Acting, stagecraft, costuming and associated work in the Tent Theatre or other specified theatre production. May be taught concurrently with THE 694. Cannot receive credit for both THE 694 and THE 595.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

THE 605 Theatre for Children and Youth

Special training and techniques involved in the preparation and development of productions for, and by, children and youth. Activities include directing, scenic and costume design, scripting, and a study of the history, literature and research of the field. May be taught concurrently with THE 505. Cannot receive credit for both THE 505 and THE 605.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

THE 606 Creative Dramatics

The art of creative drama and how it can be used in the school and community with children, youth, adults, and "special populations." Students teach their own classes in creative drama during the latter part of the semester.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

THE 611 Scripting and Performing

Theoretical and practical knowledge in developing performance skills for one-person shows, extended literary performances, performance art, stand-up comedy, personal narrative and other performer-composed theatrical texts. May be taught concurrently with THE 510. Cannot receive credit for both THE 510 and THE 611.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

THE 616 Theatre for Social Change

Theoretical and practical knowledge for developing performances for, about, and in partnership with community-based nonprofit organizations. Includes volunteer assignment and techniques for journaling, interviewing, scripting, and directing original material. May be taught concurrently with THE 515. Cannot receive credit for both THE 515 and THE 615.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

THE 623 Auditioning and Acting for the Camera

Prerequisite: permission of instructor.

A practical immersion into the on-camera market for the professional actor. Auditioning and acting skills for single and multi-camera formats including commercials, television comedy, television drama, industrials, film, and other digital mediums. Also covers industry and marketing logistics in relation to the on-camera market. May be taught concurrently with THE 522. Cannot receive credit for both THE 522 and THE 623.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

THE 631 Theatre History I

Traces the important periods in the development of theatre from its beginning through the English Restoration. Through analysis of conventions of staging and dramatic literature, examines the aesthetic, cultural, ethical, and social dimensions of theatre in different cultures and time periods. May be taught concurrently with THE 541. Cannot receive credit for both THE 541 and THE 631.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

THE 632 Theatre History II

Traces the important periods in the development of theatre from the 18th century to the present. Through analysis of conventions of staging and dramatic literature, examines the aesthetic, cultural, ethical, and social dimensions of theatre in different cultures and time periods. May be taught concurrently with THE 542. Cannot receive credit for both THE 542 and THE 632.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

THE 633 Development of Modern Theatre

Examines the aesthetic, cultural, ethical, and social dimension of modern theatre, from the development of naturalism to Theatre of the Absurd, through analysis of staging practices, theatrical theory, and dramatic literature. May be taught concurrently with THE 543. Cannot receive credit for both THE 543 and THE 633.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

THE 634 Contemporary Theatre

Examines the aesthetic, cultural, ethical, and social dimension of theatre and drama since 1960. Emphasis will be on theatre as an art form and a social and cultural institution. May be taught concurrently with THE 545. Cannot receive credit for both THE 545 and THE 634.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered
3	3	0	Spring (even-numbered years)

THE 635 Development of American Theatre

Study of theatre in the United States from colonial times to the present with a focus on the cultural and aesthetic variety of American theatrical practice and the theatre as a reflection of various social, cultural, and political beliefs. May be taught concurrently with THE 547. Cannot receive credit for both THE 547 and THE 635.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (even-numbered years)

THE 640 Directing II

Advanced directing techniques. Directing of a one-act play. May be taught concurrently with THE 530. Cannot receive credit for both THE 530 and THE 640.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

THE 652 Scene Design II

Advanced designs of selected plays including floor plans, front elevations, white and finished models and renderings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

THE 655 Lighting Design II

Advanced principles and techniques of lighting for theatre, dance, and other performance/presentational events. May be taught concurrently with THE 555. Cannot receive credit for both THE 555 and THE 655.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

THE 658 Sound Design for the Theatre

Principles of sound design with an emphasis on practical application. Includes a study and practice of basic audio production, recording,

editing, mixing, reinforcement, and playback techniques used in association with dramatic events. Study of sound design includes aesthetic, dramatic, and practical considerations of script analysis, creative collaboration, research, and problem solving. Practical class application will be in the form of simple projects, exercises, and designs. May be taught concurrently with THE 558. Cannot receive credit for both THE 558 and THE 658.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring (odd-numbered years)

THE 665 Costume Design II

Emphasis on special problems in costume design including applications of concepts to design projects and presentation of completed design projects. May be taught concurrently with THE 565. Cannot receive credit for both THE 565 and THE 665.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

THE 671 History of Costume and Decor I

A survey of styles of dress, interior design and decoration, architecture, art, and historical events as they pertain to the design of theatrical productions, from ancient Egypt to circa 1700. Requires sketching. May be taught concurrently with THE 561. Cannot receive credit for both THE 561 and THE 671.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

THE 672 History of Costume and Decor II

Survey of styles of dress, interior design and decoration, architecture, and art as they pertain to the design of theatrical productions, from circa 1700 to the present day. Requires sketching. May be taught concurrently with THE 562. Cannot receive credit for both THE 562 and THE 672.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

THE 700 Graduate Research Methods in Theatre and Interpretation

Exploration of the current state of theatre studies. Focuses on strategies for research with primary and secondary sources, critical and theoretical methodologies, and various methods of reporting research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

THE 707 Theatre Pedagogy: Theories and Practices

Designed to acquaint theatre teachers with the field of current theories and practices of theatre and performance pedagogy, and to develop instructional skills with specific application to teaching introductory level theatre courses.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

THE 710 Seminar: Performance

Studies in rhetorical, cultural, social and aesthetic dimensions of performance.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

THE 742 Dramatic Theory and Criticism

Representative theories of dramatic form and function; works of major critics and philosophers from Aristotle to present.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

THE 790 Workshop in Theatre

Designed to improve the students' skill and knowledge in specific areas of theatrical production. Each workshop will be concerned with a single topic, either acting, directing, or design. The course will examine the intersections between theory and practice in the creation of theatrical works. May be repeated to a maximum of 9 hours credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-9			Spring

THE 793 Degree Paper

Research and writing of an extended paper originating in one of the 700-level courses. Students may choose to present the completed paper for their required research report. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

THE 794 Theatre Practicum

Prerequisite: permission of department head.

Acting, stagecraft, costuming and associated work in the Tent Theatre or other specified theatre production. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

THE 795 Applied Research Project

Prerequisite: permission of research advisor and, if applicable, host institution permission must be obtained the semester prior to enrollment.

The applied research project may consist of: 1) a creative project (directing, designing, scripting, performing), or 2) an internship with a host company or agency. For the non-thesis project, students must design specific educational and social as well as artistic objectives and appropriate assessment measures in consultation with the advisor. Students may choose to report on the applied research project for their required research report. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Fall, Spring, Summer

THE 796 Readings

Prerequisite: permission of graduate coordinator.

Individual, experimental or research studies in theatre and performance studies. May be repeated to total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

THE 797 Topics

Prerequisite: permission of graduate coordinator.

Creative or special topics in theatre and performance studies. May be repeated to total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

THE 798 Thesis Research

Prerequisite: permission of the graduate coordinator.

Research leading to a masters thesis. Students will present a proseminar on their research during the semester they are enrolled in this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Fall, Spring, Summer

THE 799 Thesis Writing

Prerequisite: permission of graduate coordinator.

Preparation of thesis. May be repeated, but no more than 3 hours may be counted toward a masters degree. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Fall, Spring, Summer

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Missouri State

Office of the Registrar
Undergraduate Catalog

Dance

Major(s)

Dance (Non-Comprehensive)

Bachelor of Science

Admission Requirements

In addition to the University's admission requirements, students are required to take a placement class and have an interview with the Dance faculty prior to the first semester of coursework in the major. On-campus auditions and interviews for a place in the program takes place each year, during the fall and spring semesters. Specific information as to the date and the process is available through the Department of Theatre and Dance.

Program Requirements

A. General Education Program and Requirements
B. Major requirements (46 hours)
   1. Dance Techniques (21 hours minimum). No fewer than 6 hours in each of the following:
      a. DAN 216(3), 316(3), 416(3)
      b. DAN 230(3), 330(3), 430(3)
      c. DAN 245(3), 345(3), 445(3)
      d. An additional 3 hours from the courses listed above
   2. Composition/Choreography (4 hours); DAN 320(2), DAN 420(2)
   3. History (6 hours): DAN 180(3)-satisfies General Education requirement; DAN 552(3)
   4. Technical Theatre (3 hours): THE 150(2), THE 151(1)
   5. Anatomy and Kinesiology, Somatic Practices and Dance Pedagogy (8 hours): DAN 364(3), DAN 365(1), DAN 565(4)
   6. Professional Development (3 hours): DAN 240(1), DAN 350(2)
   7. BS Project (1 hour): DAN 482(1)
   8. Public Affairs Capstone Experience will be fulfilled by completion of DAN 552 and DAN 565.
   9. A grade of C or better in all DAN and THE courses required for the major
C. Minor Required (or second major)
D. General Baccalaureate Degree Requirements

Minor(s)

Dance

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Education (non-certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

A. DAN 180(3)
B. Nine hours from: DAN 316(3), 416(3), 330(3), 430(3), 345(3), 445(3)
C. Six hours of electives from: DAN 320(2), 348(2), 364(2), 420(3), 520(3), 552(3), 565(4), 592(1) to bring total hours in minor to 18.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Musical Theatre

Major(s)

Musical Theatre

Bachelor of Fine Arts

This major is offered in cooperation with the Department of Music.

The primary objective of this program shall be the development of the singer/actor/dancer who possesses a strong foundation in the requisite skills to pursue a career as a performing professional in musical theatre, including "book" musicals and variety productions.

Admission requirements

In addition to the University's admission requirements, students are required to audition for acceptance to the BFA in Musical Theatre program prior to the first semester of course work in the major. Auditions and interviews for a place in the program are held on campus in February of each year. Specific information as to the date and the process is available through the Department of Theatre and Dance.

Performance reviews

In addition to the curricular requirements for the degree, students must successfully complete two performance reviews prior to graduation. These include a mid-program review after specified upper-level courses have been completed and an exit review given in one of the two semesters of the senior year.

Program requirements

A. General Education Program and Requirements
B. Major Requirements (86 hours)
   1. Acting (14 hours): THE 121(3), 221(3), 321(3), 421(3), 451(2)
   2. Applied Voice (11 hours): MUS 298(0), 498(2-4); and from MUS 153(1), 253(1), 353(1), and 453(1)
   3. Stage Voice and Movement (9 hours): THE 122(3), 226(2), 328(3), 424(1)
   4. History/analysis (9 hours): THE 130(3); MUS 343(3), 344(3)
   5. Technology (10 hours): THE 150(2), 151(1), 224(1), and select 6 hours from: THE 250(2) and 251(1); THE 255(3); THE 260(2) and 261(1)
   6. Musicianship (7 hours): MUS 103(3), 104(3), 137(1)
   7. Dance (12 hours): DAN 125(2) or 225(2); DAN 130(2) or 230(2); DAN 131(2) or 216(3); DAN 146(2) or 245(3); and DAN 323(2). If necessary, select additional hours from DAN 225(2), 245(3), 345(3), or 348(2) to reach 12 hours in Dance.
   8. Musical Theatre Practicum (8 hours) select from: MUS 193(1), 280(2), 380(2), 480(2); THE 495(1)
   9. Electives (6 hours): choose from Theatre, Music, or Dance courses with approval of advisor
   10. Public Affairs Capstone Experience will be fulfilled by completion of MUS 344(3) and 498(2-4).
C. GPA Graduation Requirement: A grade of "C" or better is required in all MUS courses counted toward the major. An overall GPA of 2.50 is required for all courses listed under major requirements.
D. General Baccalaureate Degree Requirements

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Missouri State

Office of the Registrar
Undergraduate Catalog

Speech and Theatre Education

Major(s)

Speech and Theatre Education

Bachelor of Science in Education (Certifiable grades 9-12)

A. General Education Program and Requirements
   Specific General Education Requirements: COM 115(3); MED 120(3)
B. Major Requirements (54 hours)
   Students interested in teaching speech and theatre at the secondary level may choose one of two options: One option emphasizes theatre (see below) and the other emphasizes communication (see Department of Communication). Both options meet state certification requirements for Speech and Theatre Education.
   1. Core: COM 322(3), 532(3), 534(3), 536(2); THE 130(3), 150(2), 151(1), 222(3), 323(3), 430(3); MED 120(3)
   2. **Theatre Option:** THE 122(3), 224(1), 250(2), 251(1), 255(3), 260(2), 261(1), 530(3), 541(3), 542(3); THE 505(3) or 506(3) or 515(3)
   3. Public Affairs Capstone Experience will be fulfilled by completion of THE 491(6).
C. Professional Education Courses. Note: A grade of “C” or better in each course is required for state certification.
   1. THE 417(3), THE 490(6), THE 491(6)
   2. Professional Education Required Core and Competencies - see Teacher Education Program
D. General Baccalaureate Degree Requirements
E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.
   1. at least a 2.75 GPA on all course work attempted at all colleges attended
   2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
   3. at least a 3.00 GPA in any additional certificate subject area
   4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

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Missouri State

Theatre

Major(s)

Theatre (Non-Comprehensive)

Bachelor of Arts

Admission Requirements

In addition to meeting the University's admission requirements, students must be officially accepted into the Theatre BA program prior to the first semester of coursework in the major. A statement of purpose detailing why the candidate has chosen this degree is required. Prospective students should contact the Department of Theatre and Dance for specific information about the statement and application dates.

Program Requirements

A. General Education Program and Requirements
B. Major requirements (42 hours). Note: Courses counted for the major may **not** also be counted for the Bachelor of Arts-Fine Arts requirement.
   1. Script Analysis (3 hours): THE 130(3)
   2. Acting (9 hours): THE 122(3), 222(3), 323(3)
   3. Theatre History (6 hours): THE 541(3), 542(3)
   4. Design/Technology/Stage Management (6 hours): THE 150(2), 151(1); choose 3 hours from THE 250(2) and 251(1), or THE 255(3), or THE 260(2) and 261(1), or THE 354(3)
   5. Directing (3 hours): THE 430(3)
   6. Public Affairs Capstone Experience (3 hours): THE 515(3)
   7. Elective (11 hours): Complete an additional 11 hours from advisor approved THE and/or DAN courses
   8. Senior Project (1 hour): THE 482(1)
C. Minor Required (or second major)
D. Specific Bachelor of Arts Degree Requirements
E. General Baccalaureate Degree Requirements

Theatre (Non-Comprehensive)

Bachelor of Science

Admission Requirements

In addition to the University's admission requirements, students must be officially accepted into the BS program prior to the first semester of coursework in the major. A statement of purpose detailing why the candidate has chosen this degree is required. Prospective students should contact the Department of Theatre and Dance for specific information about the statement and application dates.

Program Requirements

A. General Education Program and Requirements
B. Major requirements (42 hours)

1. Script Analysis (3 hours): THE 130(3)

2. Acting (9 hours): THE 122(3), 222(3), 323(3)
3. Theatre History (6 hours): THE 541(3), 542(3)
4. Design/Technology/Stage Management (6 hours): THE 150(2), 151(1); choose 3 hours from THE 250(2) and 251(1), or THE 255(3), or THE 260(2) and 261(1), or THE 354(3)
5. Directing (3 hours): THE 430(3)
6. Public Affairs Capstone Experience (3 hours): THE 515(3)
7. Elective (11 hours): Complete an additional 11 hours from advisor approved THE and/or DAN courses
8. Senior Project (1 hour): THE 482(1)

C. Minor Required (or second major)
D. General Baccalaureate Degree Requirements

Minor(s)

Theatre

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Education (non-certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

1. THE 130(3), 150(2), 151(1)
2. One course from: THE 541(3), 542(3), 543(3), 545(3), 547(3)
3. Nine hours of Theatre electives of which three hours must be chosen from courses numbered 300 or higher for a total of 18 hours

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Missouri State

Office of the Registrar
Undergraduate Catalog

Theatre and Dance

Major(s)

Theatre and Dance

Bachelor of Fine Arts

Admission Requirements

In addition to the University's admission requirements, students must be officially accepted into the BFA program prior to the first semester of coursework in the major. Auditions and/or interviews for placement in the program are held on campus during the fall and spring semester of each year. Prospective students should contact the Department of Theatre and Dance for specific information about the audition process and dates.

Program Requirements

A. General Education Program and Requirements
B. Major Requirements (78-81 hours)
   1. Core Requirements (31 hours)
      a. Design/Technology (10 hours): THE 150(2) and 151(1); 224(1); choose two groups from THE 250(2) and 251(1), or THE 255(3), or THE 260(2) and 261(1)
      b. Directing (6 hours): THE 130(3); and THE 430(3) or DAN 520(3)-required for Dance option.
      c. History (6 hours): THE 541(3); and THE 542(3) or DAN 552(3)
      d. Acting (3 hours): THE 121(3)* or 222(3). *THE 121 is open to admitted BFA in Theatre and Dance/Acting and Musical Theatre majors only.
      e. Electives from approved courses inside or outside the department (5 hours). 2-3 hours of Dance courses suggested.
      f. Senior BFA Project:
         1. THE 492(1) required for Acting option, and for Design/Technology/Stage Management option
         2. DAN 492(1) required for Dance option
   2. Complete one of the following options:
      a. **Acting** (47 hours):
         1. THE 122(3), 221(3), 226(2), 228(2), 321(3), 326(3), 327(3), 328(3), 421(3), 424(1), 451(2), 489(2), 511(3), 522(3), 524(3)
         2. 3 hours from the following: THE 510(3), 530(3), THE 543(3) or 545(3)
         3. 5 hours from approved performance related electives from Dance, Music, or Theatre courses
         4. Each candidate will have a formal assessment with the Acting faculty at the end of each spring semester to evaluate individual progress, strengths, and goals.
         5. Public Affairs Capstone Experience will be fulfilled by completion of and THE 489(2) and 492(1).
         6. Each candidate will complete a minimum of one performance assignment on the MSU mainstage or at a pre-arranged affiliate professional theatre.
      b. **Dance** (50 hours):
         1. Dance Technique (27 hours):
            a. No fewer than 9 hours in: DAN 216(3), 316(3), 416(3)
            b. No fewer than 9 hours in: DAN 230(3), 330(3), 430(3)
            c. No fewer than 9 hours in: DAN 245(3), 345(3), 445(3)
         2. Composition/Choreography (6 hours): DAN 320(2), 420(2), 372(2)

3. Partnering (2 hours): DAN 348(2)
4. Performance Practicum: DAN 592(1)
5. Anatomy and Kinesiology, and Somatic Practices (4 hours): DAN 364(3), 365(1)
6. Pedagogy (4 hours): DAN 565(4)
7. Professional Development (3 hours): DAN 240(1), 350(2)
8. Public Affairs Capstone Experience will be fulfilled by completion of DAN 520(3) and 565(4).
9. Dance majors must take DAN 180 (fulfills a General Education requirement) and are strongly encouraged to take one course from the following: MUS 241 (fulfills a General Education requirement), MUS 345 or MUS 346.

c. **Design/Technology/Stage Management** (47 hours):

1. Design/Technology Core course sequence not selected above from: THE 250(2) and 251(1); THE 255(3); or THE 260(2) and 261(1)
2. THE 270(3), 271(3), 275(3), 280(3), 281(3), 292(1), 295(1), 354(3), 380(3), 381(3), 382(3), 392(1), 395(1), 495(1), 561(3), 562(3)
3. 6 hours from the following: THE 324(1), 350(3), 454(3), 460(3), 530(3), 552(3), 555(3), 558(3), 565(3); COM 205(3) or 332(3)
4. Public Affairs Capstone Experience will be fulfilled by completion of THE 395(1), 492(1) and THE 495(1).

C. General Baccalaureate Degree Requirements

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Missouri State

Office of the Registrar
Undergraduate Catalog

College of Business

Programs

Indicates accelerated graduate program is available

Undergraduate

Accounting (BS, Minor)

Advertising and Promotion (Minor)

Business Analysis (BS)

Business Analytics (Minor)

Business Application Development (Minor)

Construction Management (BS, Minor)

Cybersecurity (Minor)

Enterprise Risk Management (Minor)

Entertainment Management (BS)

Entrepreneurial Studies (Minor)

Entrepreneurship (BS, Minor)

Fashion Merchandising and Design (BS)

Finance (BS, Minor)

Financial Planning (Minor)

General Business (BS, Minor)

Human Resources Management/Industrial-Relations (Minor)

Industrial Management (Minor)

Information Technology (BS, Minor)

Insurance (Minor)

Interior Design (BS, Minor)

International Business (Minor)

International Business Studies (Minor)

International Management (Minor)

International Marketing (Minor)

IT Infrastructure (Minor)

Leadership (Minor)

Legal Studies in Business (Minor)

Management (BS, Minor)

Marketing (BS, Minor)

Marketing Research (Minor)

Mechanical Engineering Technology (BS)

Online Entrepreneurship (Certificate)

Risk Management and Insurance (BS)

Selling (Minor)

Supply Chain, Logistics and Operations Management (BS, Minor)

Web Application Development (Minor)

Graduate

Accountancy, Master of (MAcc)

Business Administration, Master of (MBA)

Computer Information Systems (Certificate)

Cybersecurity (MS)

Cybersecurity (Certificate)

Data Analytics (Certificate)

Entrepreneurship (Certificate)

Finance (Certificate)

Financial Analysis (Certificate)

Forensic Accounting (Certificate)

Health Administration, Master of (MHA)

Health Administration (Certificate)

Information Technology (MS)

International Business (Certificate)

Leadership (Certificate)

Management (Certificate)

Marketing (Certificate)

Project Management (MS)

Project Management (Certificate)

Quantitative Enterprise Risk Management (Certificate)

Tax Accounting (Certificate)

Courses are offered toward the option in Project Management within the Professional Studies program (MPS)

COB Admission and Program Requirements

Business unit

- School of Accountancy
- Department of Finance and General Business
- Department of Information Technology and Cybersecurity
- Department of Management
- Department of Marketing

Accreditation within the business unit

AACSB-International – The Association to Advance Collegiate Schools of Business - all programs

Non-business units

- Department of Merchandising and Fashion Design
- Department of Technology and Construction Management

Accreditations outside the business unit

- American Council for Construction Education – Construction Management (BS)
- Project Management Institute Global Accreditation Center – Project Management (MS)

Business Advisement Center

The Business Advisement Center at Missouri State University provides academic advisement to students majoring in all six departments within the College of Business. A staff of

Contact

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professional advisors provides a full range of services including information sessions for prospective students, freshman orientation, degree program admission, and graduation checks. For an appointment or more information contact the Business Advisement Center, Glass Hall, Room 276, 417-836-5386, or email BusinessAdvisement@missouristate.edu.

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Missouri State

College of Business Admission and Program Requirements

Applicable to all majors within the business units of the College of Business.

Majors in the Department of Technology and Construction Management and the Department of Merchandising and Fashion Design are excluded from these program and admission requirements.

Admission requirements

All students who plan to apply for admission to the College of Business should declare a major in one of the five departments within the business unit of the College upon admission to the university and seek enrollment advice through the Business Advisement Center. Students who are uncertain at the time of admission to the University should declare a business major with the specific area undecided.

Students in good standing are eligible to be considered for admission to a specific degree program in the College of Business upon the completion of at least 54 hours including at least ten of the following preparation courses. Up to two of the twelve courses listed may be completed during the semester of admission; however, students should make every effort to complete all of the preparation courses prior to admission.

Courses required for admission

1. Accounting: ACC 201(3) and 211(3); or ACC 206(4)
2. Critical and Creative Thinking Using Information Technology: CIS 200(3)
3. Public Speaking: COM 115(3)
4. Economics: ECO 155(3) and ECO 165(3)
5. Writing I: ENG 110(3)
6. Business Communications: MGT 286(3)
7. Mathematics: MTH 135 or higher (3-5 hours) *except MTH 130 (previous number for MTH 145)*
8. Psychology: PSY 121(3)
9. Business Statistics: QBA 237(3)
10. Legal Environment of Business: LAW 231(3)

Admission decisions will be determined by applicants' combined (Missouri State plus transfer) grade point averages. All applicants whose combined grade point average is 2.50 or higher will be admitted. With written permission from the Business Advisement Center Director, a student may take up to, but not exceeding, 12 hours of upper level College of Business credit while working to satisfy the grade point average requirement.

Special procedural information

Students must gain admission to the College of Business by the semester in which they have earned a total of 60 semester hours of college credit (including transfer credit). Students who do not gain admission as expected are subject to being dropped as business majors and will not be permitted to register for the following semester without special permission.

Business (and undeclared) majors cannot be enrolled in upper-division business courses until their degree program has been finalized.

Business (and undeclared) majors who have enrolled in upper-division business courses without having met all admission requirements (or without having met all of the specific course prerequisites) will be dropped from those courses.

Students should contact the Business Advisement Center regarding the granting of special permission to register.

Program requirements

In addition to the General Education and General Baccalaureate Degree Requirements, all Bachelor of Science candidates in the College of Business must meet the following requirements for graduation.

A. Grade Point Average: All business majors must have a 2.50 or higher grade point average at the time of graduation for all upper-division College of Business courses attempted at Missouri State University.
B. College of Business Core Requirements:
   1. ACC 201(3) and ACC 211(3); or ACC 206(4)
   2. CIS 201(3)
   3. ECO 155(3) and ECO 165(3). *Note: ECO 155 or ECO 165 may also be used toward General Education requirements.*
   4. FIN 380(3)
   5. LAW 231(3) and LAW 332(1)
   6. MGT 286(3) and MGT 340(3) and MGT 487(3)
   7. MKT 350(3)
   8. PSY 121(3) *Note: PSY 121 may also be used toward General Education requirements.*
   9. QBA 237(3)
   10. ACC 341(3) required for Accounting majors; CIS 429(3) required for all other majors
   11. MKT 364(3) or MKT 450(3) required for Marketing majors; MKT 364(3) required for all other majors.
C. Public Affairs Capstone Experience will be fulfilled by completion of MGT 340(3).
D. Globalization Requirement: The College of Business requires all business majors to participate in an experience that will increase their preparation for successful careers in a globally competitive business environment. While the College of Business encourages students to achieve this goal by completing an international educational experience (see #1 below) or by completing six hours of foreign language courses (see #2 below), students may satisfy this globalization requirement by completing any one or more of the following five options:
   1. Completion of a full-semester study away experience, approved by the Director of International Business Programs, where the duration of the program is at least four weeks and the student passes at least three hours of course credit. This action will not result in a reduction of the total hours required toward the degree.
   2. Completion of six hours of language courses such as: ARB, CHI, FRN, GRK, GRM, HBW, HIN, ITL, JPN, KOR, LTN, PTG, RUS, SPN, SWA.
   3. Completion of an internship where the student will live and work abroad for a period of at least six weeks and earn three credit hours of course credit in one of the following: ACC 494, BUS 494, CIS 494, MGT 494, or MKT 494. Course credit for the internship experience must be approved by the respective Department Head prior to acceptance/commencement of the internship. Prerequisites may apply. This action will not result in a reduction of the total hours required toward the degree.
   4. Completion of a COB upper-division course of at least three credit hours as part of an international short-term faculty-led program with a COB faculty member. This action will not result in a reduction of the total hours required toward the degree.
   5. Completion of six hours from the list below:
      a. Accounting: ACC 506
      b. Anthropology: ANT 100, 303, 330, 331, 332, 334, 335. *Note: ANT 100 or GRY 100 or REL 210 may be used toward General Education requirements.*
      c. Economics: ECO 346, 456, 565
      d. English: ENG 341, 361
      e. Finance: FIN 582, 586
      f. Geography: GRY 100, 305, 308, 320, 321, 323, 328. *Note: GRY 100 or ANT 100 or REL 210 may be used toward General Education requirements.*
      g. Global Studies: GBL 250
      h. History: HST 340, 350, 355, 380, 381
      i. Interdisciplinary Studies: IDS 297, 397 *Note: IDS 297 may be used toward General Education requirements.*
      j. Language: LLT 215, LLT 225, MCL 303
      k. Law: LAW 539
      l. Management: MGT 447
      m. Marketing: MKT 464, 474

n. Music: MUS 239 *Note: May be used toward General Education requirements.*

o. Political Science: PLS 205, 232, 544, 545, 548, 550

p. Religious Studies: REL 210, 330, 350, 355, 360. *Note: REL 210 or ANT 100 or GRY 100 may be used toward General Education requirements.*

q. Sociology: SOC 150

E. Recommendation for Course Work Outside the College of Business: It is recommended that all business majors complete at least 50 percent of the hours required for graduation outside the College of Business. For purposes of this recommendation, the following courses may be counted as hours outside of the College of Business: QBA 237 and QBA 337, and all courses offered in the Department of Technology and Construction Management and Department of Merchandising and Fashion Design.

F. Other Requirements**:**

1. A minimum of 12 credit hours not counted as requirements on any other major or minor, and exclusive of "problems" and "readings" courses, is required for the completion of any additional major in business.
2. A minimum of 9 credit hours not counted as requirements on any major or other minor, and exclusive of "problems" and "readings" courses, is required for the completion of any minor in business.

Transfer credit validation requirements

Students who plan to begin work at a community college or another four-year institution and later transfer to Missouri State should take only those lower-division courses in business numbered 1 through 299. Upper-division courses taught in the junior and senior years at Missouri State are numbered 300 or higher and should not be completed at a two-year college for transfer credit in the business core or major program area of specialization at Missouri State. If similar courses are taken at the lower-division level at a community college or a four-year institution, validation through additional course work or testing will be required. Validation by exam must be completed within the semester of admission. Validation by additional course work must be requested in the Business Advisement Center the semester of transfer and must be completed within one year. Courses taken at *any* level must be approved by the appropriate department as equivalent to an upper-division course in the College of Business.

Residence requirement for transfer students

At least 50 percent of the College of Business credit hours required for a business degree must be earned from the Missouri State University Springfield campus.

Sequencing of courses

The College of Business has established an appropriate sequencing of courses in addition to specified course prerequisites. Additional information about course prerequisites and sequencing of classes are available on the Business Advisement Center website. The sequencing of courses and course prerequisites are enforced by computerized prerequisite checks.

High school preparation

Students entering the College of Business are expected to have computer keyboarding skills and an understanding of the accounting cycle. These skills may be acquired by taking keyboarding/typewriting and accounting.

Enrollment by non-business students

Students seeking degrees outside the College of Business, Business Unit, including majors in the Department of Technology and Construction Management and Department of Merchandising and Fashion Design, cannot exceed 30 hours of business courses (25 percent of the 120 hours required for graduation) unless all admission requirements to the College of Business have been met. All exceptions must have the written approval of the Dean of the College of Business. Students found to be in violation of this policy will be dropped from all courses exceeding the maximum number of business course hours.

MAKE YOUR MISSOURI STATEMENT

MAKE YOUR MISSOURI STATEMENT.

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https://www.missouristate.edu/registrar/catalog/COBAdmReq.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

School of Accountancy

Programs

Indicates accelerated graduate program is available

Undergraduate

Accounting (BS, Minor)

Graduate

Accountancy, Master of (MAcc)

Forensic Accounting (Certificate)

Tax Accounting (Certificate)

Master of Business Administration (MBA) Administered by the College of Business

Accreditation

AACSB International – The Association to Advance Collegiate Schools of Business – all programs

Mission statement

The School of Accountancy (SOA) cultivates a comprehensive, high quality accounting education environment, serving graduate and undergraduate accounting majors, business majors, and other interested persons. Student development is the School's top priority, and the primary responsibility of a full-time faculty engaged with its students. Accordingly, faculty encourages interaction with students in the classroom, during office visits and through other school, college, and university programs. The faculty is also engaged in productive scholarship and meaningful service and interaction with the accounting profession, the University, and the larger community. The SOA acknowledges that teaching, research, and service are integrated, complementary activities. These scholarly endeavors advance knowledge, foster an attitude of inquiry, meet the needs of society, and contribute to student learning.

General information

Advisement information

Contact

Director

John R. Williams, Sr., PhD, CPA

Office

Glass Hall, Room 439

Phone

417-836-5414

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417-836-5164

Email

Accountancy@missouristate.edu

Website

missouristate.edu/SOA

With careful selection of elective courses, students can customize their degree to target specific interests, entry-level job markets, or professional certification examinations. Students should consult with their advisor (and other faculty) concerning this opportunity.

Professional certification

Nationally recognized professional accounting certifications include Certified Public Accountant (CPA), Certified Management Accountant (CMA), Certified Internal Auditor (CIA), Certified Government Financial Manager (CGFM), and Certified Fraud Examiner (CFE). The School of Accountancy encourages its majors to consider earning one or more of these certifications.

The State of Missouri requires those who apply to sit for the CPA examination to have at least 150 semester hours of college credit. Furthermore, the American Institute of Certified Public Accountants (AICPA) requires at least 150 semester hours of college credit for membership. The accounting faculty highly recommends that the Master of Accountancy program be used to acquire the 150 hours required for CPAs as well as for those desiring other professional certifications.

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https://www.missouristate.edu/registrar/catalog/dept_ac.html

Missouri State

Office of the Registrar
Undergraduate Catalog

Accountancy Faculty

Professors

Lester E. Heitger, PhD, CPA

Debra H. Oden, LLM-Tax, JD, CPA

George D. Schmelzle, PhD

Associate professors

Paul A. Ashcroft, PhD, CPA

Christopher S. Hines, PhD, CPA

Carl E. Keller, PhD, CPA (inactive)

Geanie W. Margavio, PhD, CPA

John R. Williams, Sr., PhD, CPA

Assistant professors

John C. Naegle, Jr., PhD

Gregory P. Tapis, PhD

Kerri L. Tassin, MTax, JD

Senior instructor

Michael R. Hammond, MAcc, CPA

Instructors

Samuel J. Bass, MAcc

James N. Hines, MAcc

Julia K. Ravenscraft, MAcc

Kristen E. Thornton, MAcc

Emeritus faculty

Ronald R. Bottin, PhD

Sandra D. Byrd, CPA, PhD

Wilbur Bridges, MBA

Kenneth W. Brown, PhD

David B. Byrd, PhD

M. Virginia Cerullo, PhD

Michael J. Cerullo, PhD

Kurt E. Chaloupecky, PhD

Sidney R. Ewer, PhD, CIA, CPA (inactive-Tennessee)

Olen L. Greer, PhD, CMA

Phillip D. Harsha, PhD, CIA

Anthony Craig Keller, PhD

Terry L. Loveland, MAcc

Jon R. Nance, PhD

Stevan K. Olson, PhD, CPA

Keith B. Scott, PhD

Sarah L. Thompson, MT

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Missouri State

Accountancy Courses

Accounting (ACC) courses

ACC 109 The Accounting Cycle

Introduction to the basic accounting concepts related to the processing of transactions and preparation of an income statement and balance sheet. A student who has received credit for ACC 201 at the time of enrollment in ACC 109 will not receive credit for ACC 109.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

ACC 121 Individual Tax Return Preparation

Principles of income tax with emphasis on the preparation of returns for individual taxpayers. Attention will be given to the proper reporting of income and deduction items.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

ACC 201 Introduction to Financial Accounting

Prerequisite: completion of 24 hours; and MSU GPA of 2.00; and combined (MSU and transfer) GPA of 2.00; and the math general education requirement with a grade of "C" or better.

Methods and procedures employed in financial accounting with emphasis on development and interpretation of financial statements. A grade of "B" or better is required to take ACC 301, 321, or 532.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 206 Accounting Choices and Methods

Prerequisite: UHC 110.

Comprehensive and accelerated examination of alternative accounting models, including electronic spreadsheet models, and their uses. Replaces ACC 201 and 211 for Honors College students. A grade of "C" or better is required in this course in order to take ACC 311. A grade

of "B" or better is required in this course in order to take ACC 301 or ACC 321 or ACC 532. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	0	Fall, Spring

ACC 209 Accounting Applications for Microcomputers

Use of the microcomputer and electronic spreadsheets to master the basic accounting cycle.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

ACC 211 Introduction to Managerial Accounting

Prerequisite: ACC 201.

Methods and procedures employed in managerial accounting with emphasis on the use of accounting data for decision making. At least one spreadsheet project will be assigned. A grade of "C" or better is required in this course in order to take ACC 311. A grade of "B" or better is required in this course in order to take ACC 301. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 297 Topics in Accounting

A variable content course with topics that can change from semester to semester. Topics are identified by title in the schedule of classes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ACC 300 Professionalism in Accountancy

Prerequisite: grade of "B" or better in ACC 201 and ACC 211, or grade of "B" or better in ACC 206, or grade of "B" or better in ACC 600; and undergraduate business majors must be admitted to degree program.

Cases (including written and oral presentations) will focus on ethical and regulatory issues in accounting. Students will focus on professional behavior appropriate for accounting professionals. A grade of "C" or better is required in this course in order to take ACC 302 and ACC 341. Research assignments are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

ACC 301 Intermediate Accounting I

Prerequisite: grade of "B" or better in ACC 201 and ACC 211 or grade of "B" or better in ACC 206 or ACC 600; and undergraduate business majors must be admitted to degree program.

Financial Accounting Theory applications to the accounting process of corporations. Review of financial statements; accounting for current and long-term assets. A grade of "C" or better is required in this course in order to take ACC 302, 341, 553, or 653. Cannot be taken Pass/Not Pass. Research assignments are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 302 Intermediate Accounting II

Prerequisite: grade of "C" or better in ACC 300 and ACC 301; and undergraduate business majors must be admitted to degree program.

Continuation of intermediate accounting. Accounting for liabilities and equity. A grade of "C" or better is required in this course in order to take ACC 504, 604, 506, 606, 553, or 653. Cannot be taken Pass/Not Pass. Research assignments are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 311 Managerial Cost Accounting

Prerequisite: grade of "C" or better in one of ACC 211 or ACC 206 or ACC 600; and undergraduate business majors must be admitted to degree program.

Function of cost accounting; means and methods of its applications in specific accounting situations. A grade of "C" or better is required in this course in order to take ACC 513, 613, 553, or 653.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 321 Tax Accounting I

Prerequisite: grade of "B" or better in one of ACC 201 or ACC 206 or ACC 600; and undergraduate business majors must be admitted to degree program.

Principles of income tax accounting; current laws and income tax problems of individuals. A grade of "C" or better is required in this course in order to take ACC 524, 624, 525, 625, 553 or 653. Cannot be taken Pass/Not Pass. Research assignments are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 341 Accounting and Management Information Systems

Prerequisite: grade of "C" or better in ACC 300 and ACC 301; and undergraduate business majors must be admitted to degree program.

Accounting system examined as a crucial base for the desired comprehensive management information system of an organization. Impact of

Accounting system examined as a crucial base for the desired comprehensive management information system of an organization. Impact of the computer on accounting systems controls and the auditing of EDP based accounting systems. A grade of "C" or better is required in this course in order to take ACC 553 OR 653. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 394 Cooperative Education in Accounting

Prerequisite: permission of the School of Accountancy Director; and undergraduate business majors must be admitted to degree program.

The opportunity to earn academic credit in a planned learning process that integrates academic training with a supervised work experience. Variable content course. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ACC 397 Topics in Accounting

Prerequisite: undergraduate business majors must be admitted to degree program.

Topics are identified by title in the schedule of classes. Examples are: inflation accounting, management advisory services, public utility accounting, financial reporting to regulatory agencies. Variable content course. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ACC 421 Volunteer Income Tax Assistance VITA

Prerequisite: grade of "C" or better in ACC 321; and undergraduate business majors must be admitted to degree program.

Field work in the preparation of individual income tax return (state and federal) covering topics of gross income, deductions and credits.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

ACC 422 Advanced Volunteer Income Tax Assistance VITA

Prerequisite: undergraduate business majors must be admitted to degree program.

Experience in the planning and scheduling of the VITA program and provides final review of actual income tax returns prepared under field conditions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

ACC 494 Internship in Accounting

Prerequisite: 20 hours of accounting courses and permission of the School of Accountancy Director; and undergraduate business majors must be admitted to degree program.

Internship experience in an organization emphasizing public, managerial or not-for-profit accounting.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	0	10	Upon demand

ACC 496 Readings in Business Administration-Accounting

Prerequisite: permission of the School of Accountancy Director; and undergraduate business majors must be admitted to degree program.

Planned readings designed to intensify and supplement the area of accounting.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

ACC 504 Advanced Accounting

Prerequisite: grade of "C" or better in ACC 302; and undergraduate business majors must be admitted to degree program.

Study of accounting for pensions, deferred taxes, business combinations, partnerships, and certain multicurrency accounting issues. May be taught concurrently with ACC 604. Cannot receive credit for both ACC 604 and ACC 504. Research assignments are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 506 International Accounting

Prerequisite: grade of "C" or better in ACC 302; and undergraduate business majors must be admitted to degree program.

Accounting practices in different nations; multi-national corporation and selected accounting problems. May be taught concurrently with ACC 606. Cannot receive credit for both ACC 506 and ACC 606. Research assignments are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 513 Managerial Cost Accounting II

Prerequisite: grade of "C" or better in ACC 311; and undergraduate business majors must be admitted to degree program.

A continuation of the topics examined in ACC 311. Specific topics covered include activity-based costing, strategic cost management, activity-

and strategic-based responsibility accounting, quality costing, measurement and control of productivity, environmental cost management, cost-volume-profit analysis, activity resource usage, relevant costing, pricing and profitability analysis, capital investment decisions, and

inventory management topics such as economic order quantity, just-in-time, and the theory of constraints. May be taught concurrently with ACC 613. Cannot receive credit for both ACC 513 and ACC 613.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ACC 524 Tax Accounting II

Prerequisite: grade of "C" or better in ACC 321; and undergraduate business majors must be admitted to degree program.

Principles of federal tax accounting; research in income tax problems of partnerships and corporations; estate and gift tax problems of individuals. May be taught concurrently with ACC 624. Cannot receive credit for both ACC 524 and ACC 624. Research assignments are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 525 Individual Income Tax Assistance

Prerequisite: grade of "C" or better in ACC 321; and permission of instructor; and undergraduate business majors must be admitted to degree program.

To provide undergraduate/graduate students with an opportunity to integrate intermediate tax accounting skills, critical thinking skills, communication skills, and research skills with community service. This course provides service-learning experience in the preparation and review of actual individual income tax returns (both federal and state) as well as the social and ethical issues inherent in US tax policy. May be taught concurrently with ACC 625. Cannot receive credit for both ACC 525 and ACC 625.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

ACC 532 Governmental and Not-For-Profit Organizational Accounting

Prerequisite: 75 hours; and a grade of "C" or better in ACC 301; and undergraduate business majors must be admitted to degree program.

Governmental and not-for-profit organizational accounting records and funds, budgeting, budget control, analysis and interpretation of financial statements. Research assignments are required. May be taught concurrently with ACC 632. Cannot receive credit for both ACC 532 and ACC 632.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 553 Auditing

Prerequisite: grades of "C" or better in ACC 300 and ACC 301 and ACC 302 and ACC 311 and ACC 321 and ACC 341; and undergraduate business majors must be admitted to degree program.

admitted to degree program.

Kinds of audits, the duties and obligations of the auditor, principles and procedures to be followed in conducting an audit. A grade of "C" or better is required in this course in order to take ACC 703, 750, 751, 752, 754 and 790. This course has a required assessment component. Research assignments are required. Cannot be taken Pass/Not Pass. May be taught concurrently with ACC 653. Cannot receive credit for both ACC 553 and ACC 653.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 555 Internal Auditing

Prerequisite: grade of "C" or better in ACC 341; and undergraduate business majors must be admitted to degree program.

Functions of internal audit, financial audit, and operations audit; importance of the changing professional status of the internal auditor. May be taught concurrently with ACC 655. Cannot receive credit for both ACC 655 and ACC 555.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ACC 556 Operational Auditing

Prerequisite: 60 hours; and undergraduate business majors must be admitted to degree program.

Primarily a case study approach covering nonfinancial audits of efficient and effective resource utilization, accomplishment of operational goals, adherence to laws and regulations, fraud prevention and detection, integrity and security of computer systems, and achievement of program goals. May be taught concurrently with ACC 656. Cannot receive credit for both ACC 656 and ACC 556.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ACC 596 Research Issues and Problems: Accounting

Prerequisite: 60 hours and permission of the School of Accountancy Director; and undergraduate business majors must be admitted to degree program.

Research issues and projects growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a maximum of three hours. May be taught concurrently with ACC 695. Cannot receive credit for both ACC 695 and ACC 596.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ACC 600 Accounting Concepts for Managers

Prerequisite: permission of a director of a College of Business graduate program or the director of the Master of Professional Studies program.

Comprehensive study of the fundamentals of financial and managerial accounting. Designed for graduate students who have not had an undergraduate course in accounting. Cannot be counted toward the hours required for a College of Business graduate degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 604 Advanced Accounting

Prerequisite: grade of "C" or better in ACC 302; and admitted to the MAcc Program.

Study of accounting for pensions, deferred taxes, business combinations, partnerships, and certain multicurrency accounting issues. Research assignments are required. May be taught concurrently with ACC 504. Cannot receive credit for both ACC 504 and ACC 604.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 606 International Accounting

Prerequisite: grade of "C" or better in ACC 302; and admitted to the MAcc Program.

Accounting practices in different nations; multi-national corporation and selected accounting problems. Research assignments are required. May be taught concurrently with ACC 506. Cannot receive credit for both ACC 506 and ACC 606.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 613 Managerial Cost Accounting II

Prerequisite: grade of "C" or better in ACC 311 and admitted to the MAcc Program.

A continuation of the topics examined in ACC 311. Specific topics covered include activity-based costing, strategic cost management, activity- and strategic-based responsibility accounting, quality costing, measurement and control of productivity, environmental cost management, cost-volume-profit analysis, activity resource usage, relevant costing, pricing and profitability analysis, capital investment decisions, and inventory management topics such as economic order quantity, just-in-time, and the theory of constraints. May be taught concurrently with ACC 513. Cannot receive credit for both ACC 513 and ACC 613.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ACC 624 Tax Accounting II

Prerequisite: grade of "C" or better in ACC 321; and admitted to the MAcc Program.

Principles of federal tax accounting; research in income tax problems of partnerships and corporations; estate and gift tax problems of

Principles of federal tax accounting; research in income tax problems of partnerships and corporations; estate and gift tax problems of individuals. Research assignments are required. May be taught concurrently with ACC 524. Cannot receive credit for both ACC 524 and ACC 624.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 625 Individual Income Tax Assistance

Prerequisite: grade of "C" or better in ACC 321; and permission of instructor; and admitted to the MAcc Program.

To provide students with an opportunity to integrate intermediate tax accounting skills, critical thinking skills, communication skills, and research skills with community service. This course provides service-learning experience in the preparation and review of actual individual income tax returns (both federal and state) as well as the social and ethical issues inherent in US tax policy. May be taught concurrently with ACC 525. Cannot receive credit for both ACC 525 and ACC 625.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

ACC 632 Governmental and Not-For-Profit Organizational Accounting

Prerequisite: grade of "C" or better in ACC 301; and admitted to the MAcc Program.

Governmental and not-for-profit organizational accounting records and funds, budgeting, budget control, analysis and interpretation of financial statements. Research assignments are required. May be taught concurrently with ACC 532. Cannot receive credit for both ACC 532 and ACC 632.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 653 Auditing

Prerequisite: grades of "C" or better in ACC 300 and ACC 301 and ACC 302 and ACC 311 and ACC 321 and ACC 341; and admitted to the MAcc Program.

Kinds of audits, the duties and obligations of the auditor, principles and procedures to be followed in conducting an audit. A grade of "C" or better is required in this course in order to take ACC 703, 750, 751, 752, 754 and 790. This course has a required assessment component. Research assignments are required. May be taught concurrently with ACC 553. Cannot receive credit for both ACC 553 and ACC 653.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 655 Internal Auditing

Prerequisite: grade of "C" or better in ACC 341; and admitted to the MAcc Program.

Functions of internal audit, financial audit, and operations audit; importance of the changing professional status of the internal auditor. May

Functions of internal audit, financial audit, and operations audit, importance of the changing professional status of the internal auditor. May be taught concurrently with ACC 555. Cannot receive credit for both ACC 555 and ACC 655.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ACC 656 Operational Auditing

Prerequisite: admitted to MAcc Program.

Primarily a case study approach covering nonfinancial audits of efficient and effective resource utilization, accomplishment of operational goals, adherence to laws and regulations, fraud prevention and detection, integrity and security of computer systems, and achievement of program goals. May be taught concurrently with ACC 556. Cannot receive credit for both ACC 556 and ACC 656.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ACC 688 Healthcare Accounting Concepts

The role of accounting in the financial and operational management of healthcare organizations is approached via an introduction to healthcare financial and managerial accounting principles. This course addresses the definition of financial accounting; external reporting; development and use of the income statement, balance sheet and statement of cash flows. The course also addresses the managerial accounting topics of cost behavior and allocation; accounting data for pricing and service decisions; planning and budgeting in healthcare organizations; analysis of financial condition; and selected topics in ethics. The course is a core requirement for Master of Health Administration students and may be of interest to students in other graduate programs. Note that ACC 688 cannot be substituted for ACC 711 in the MBA program and cannot be counted in the 33 semester hours required for the MAcc degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring, Summer

ACC 695 Research Issues and Problems: Accounting

Prerequisite: permission of the School of Accountancy Director; and admitted to the MAcc Program.

Research issues and projects growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a maximum of three hours. May be taught concurrently with ACC 596. Cannot receive credit for both ACC 596 and ACC 695.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ACC 703 Seminar in Accounting Theory

Prerequisite: grade of "C" or better in ACC 653 or ACC 553; and grade of "C" or better in ACC 604 or ACC 504; and admitted to the MAcc Program.

Critical evaluation and interpretation of accounting theory. Completion of a significant research project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 705 Advanced Financial Accounting Problems

Prerequisite: grade of "C" or better in ACC 302; and grade of "C" or better in ACC 504 or ACC 604; and admitted to MAcc program.

An in-depth study of contemporary advanced financial accounting topics for professional accountants.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 711 Managerial Accounting

Prerequisite: grade of "C" or better in ACC 211 or ACC 206 or ACC 600; and admitted to MBA or MHA program.

Role of accounting in improving the practice of business management; budgeting, accounting analysis, the behavior of costs, accounting control. This course will not be counted in the 33 semester hours required for the MACC degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 712 Controllership and Communication

Prerequisite: grade of "C" or better in ACC 311 or in ACC 711; and admitted to the MAcc Program.

An in-depth examination of the leadership and communication challenges associated with being a controller and/or professional accountant. The written and oral communication skills required for success as a professional accountant will be developed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ACC 715 Advanced Cost Accounting

Prerequisite: grade of "C" or better in ACC 613 or in ACC 513; and admitted to the MAcc Program.

An in-depth study of contemporary topics for cost accountants.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ACC 721 Advanced Tax Accounting

Prerequisite: grade of "C" or better in ACC 321; and grade of "C" or better in ACC 624 or in ACC 524; and admitted to MAcc program.

Case study approach to develop tax research, analytical, and communication skills. Incorporated into the case studies are ethical and legal constraints within which tax practitioners are obligated to operate.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ACC 722 Public Service Tax Accounting

Prerequisite: permission of instructor; and admitted to MAcc program.

Students will learn theoretical foundations in public service tax accounting topics and develop skills; which will apply to practical situations that will help students be better citizens and employees. Students will assist low-income, elderly, and English as Second Language taxpayers in the community in identifying and meeting their tax rights and responsibilities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Spring

ACC 723 Tax Considerations for Decision Makers

Prerequisite: grade of "C" or better in ACC 624 or in ACC 524; and admitted to MAcc program.

Tax course with emphasis on recognizing and understanding the importance of tax considerations in the process of making decisions in business and personal matters; developing a tax institution to anticipate and understand the effect of prospective tax law changes; examining U.S. tax policy issues; and motivating students to a lifetime of learning by engaging them in independent study.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ACC 726 Regulation Issues for Accountants

Prerequisite: ACC 624 or ACC 524; and admitted to the MAcc program.

The course is designed to provide students with a focused intensive study of regulation issues particularly relevant to professional accountants.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ACC 731 Control of Non-Profit Organizations

Prerequisite: grade of "C" or better in ACC 311 or in ACC 711; and admitted to MAcc program.

Case study approach to financial control in non-profit organizations. Special emphasis is on governmental and health care organizations, although other non-profit organizations are also studied.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ACC 741 Advanced Accounting and Management Information Systems

Prerequisite: grade of "C" or better in ACC 341; and admitted to MAcc program.

Application of the concepts of systems design and implementation. Study of the attributes of accounting information systems and their relationship with management information systems. Functions of accounting information systems including data collection and transmission, internal controls, data organizations and storage, processing data, and information retrieval and display. Characteristics and applications of both manual and automated information systems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ACC 750 Advanced Auditing

Prerequisite: grade of "C" or better in ACC 653 or in ACC 553; and admitted to MAcc program.

An in-depth study of contemporary topics for auditing professionals.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 751 Computer Forensics and IT Auditing

Prerequisite: grade of "C" or better in ACC 653 or in ACC 553; and admitted to MAcc program.

A study of information systems controls; auditing around, through, and with the computer; auditing advanced computer systems, spreadsheets and other fourth generation language applications. Hands-on computer auditing projects will be integrated into the course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ACC 752 Fraud Examination

Prerequisite: grade of "C" or better in ACC 653 or in ACC 553; and admitted to MAcc program.

An in-depth study of the fraud examination process, including fraud prevention, detection, investigation, and management and employee fraud, and the legal aspects of fraud. Case studies are used extensively throughout the course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ACC 754 Forensic Accounting: Litigation Support and Expert Witnessing

Prerequisite: grade of "C" or better in ACC 653 or ACC 553; and admitted to MAcc program.

This course explores one of the major areas of practice in forensic accounting. The course provides an in-depth investigation into the world of accounting litigation support and financial expert witnessing. The course requires students to actively participate in case analysis, development of expert reports, deposition testimony, and trial testimony. Students are exposed to the legal issues that impact on their role as an expert witness.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 762 Business and Accounting Concepts for Accountants

Prerequisite: admitted to the MAcc program.

The course is designed to provide students with a focused, intensive study of business and accounting concepts particularly relevant to professional accountants.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ACC 790 Seminar in Accounting

Prerequisite: grade of "C" or better in ACC 653 or ACC 553; and admitted to MAcc program.

Critical evaluation and interpretation of the current research and professional literature in accounting. Study of ethical and institutional features of the accounting environment. Completion of a significant research project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ACC 794 Internship: Accounting

Prerequisite: 12 graduate hours of accounting courses; and permission of instructor; and admitted to MAcc program.

In consultation with the coordinating professor, the student is engaged in first-hand experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined, and evaluated during the semester.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ACC 796 Independent Study-Accounting

Prerequisite: permission of instructor; and admitted to the MAcc program.

In consultation with coordinating professor, student selects for intensive study of a specific area of concern related to the student's program, with emphasis on research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ACC 797 Special Topics in Accounting

Prerequisite: 9 graduate hours of accounting courses; and admitted to the MAcc program.

In-depth study of contemporary topics in accounting. Each offering concerns a single topic. May be repeated with departmental permission to a maximum of nine hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ACC 799 Thesis

Prerequisite: permission of instructor; and admitted to the MAcc program.

Independent research and study connected with preparation of thesis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

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Missouri State

Accounting

Major(s)

Accounting (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. College of Business Admission and Program Requirements
C. Major Requirements
    1. ACC 300(2), 301(3), 302(3), 311(3), 321(3), 341(3), 553(3), QBA 337(3), CIS 555(3)
    2. Complete 3 courses from: ACC 504(3), 506(3), 513(3), 524(3), 525(3), 532(3), 555(3), 556(3)
D. General Baccalaureate Degree Requirements

Minor(s)

Accounting

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Science

A. ACC 201(3), 211(3), 301(3). Note: ACC 206(4) may be substituted for ACC 201 and 211
B. Complete nine additional hours of accounting from: ACC 302(3), 311(3), 321(3), 341(3), 504(3), 506(3), 513(3), 524(3), 525(3), and 532(3).

Accelerated graduate program in Accountancy

Eligible Missouri State undergraduate students may apply for admission to the Master of Accountancy program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Finance and General Business

Programs

Indicates accelerated graduate program is available

Undergraduate

Enterprise Risk Management (Minor)

Finance (BS, Minor)

Financial Planning (Minor)

General Business (BS, Minor)

Insurance (Minor)

Legal Studies in Business (Minor)

Risk Management and Insurance (BS)

Graduate

Business Administration, Master of (MBA) Administered by the College of Business

Finance (Certificate)

Financial Analysis (Certificate)

Quantitative Enterprise Risk Management (Certificate)

Accreditation

AACSB International—The Association to Advance Collegiate Schools of Business – all programs

General information

Actuarial Science

Students may pursue a career as an actuary by choosing a major and minor in related areas and selecting appropriate electives. Students interested in Actuarial Science typically major in Mathematics and minor in Risk Management and Insurance. Help in preparing for the early actuarial exams is available through the mathematics department. Contact the Finance and General Business Department or the Mathematics Department for more information.

Internships

Contact

Department head

Jeffrey S. Jones, PhD, CFA, CPA, CMA, CFM

Office

Glass Hall, Room 300

Phone

417-836-5504

Fax

417-836-6224

Email

With permission, majors in the Finance and General Business Department may receive a total of one to three credit hours for approved internship experiences(s) in their major area (general business, finance, financial planning, real estate, and/or insurance.) The department's internship course is listed in the catalog as BUS 494, Internship.

Email

FinanceandGeneralBus@missouristate.edu

Website

missouristate.edu/fgb

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Missouri State

Office of the Registrar
Undergraduate Catalog

Finance and General Business Faculty

Distinguished professor

Carol J. Miller, MBA, JD

Professors

Wayne L. Anderson, MBA, JD

C. Edward Chang, PhD

Susan J. Crain, PhD

K. Stephen Haggard, PhD

Stanley A. Leasure, CPA (inactive), JD

Kent P. Ragan, PhD, CFA

Associate professors

Jeffrey S. Jones, PhD, CFA, CPA, CMA, CFM

Walt A. Nelson, PhD

James D. Philpot, PhD, CFP

Puneet Prakash, PhD

H. Douglas Witte, PhD

Ying Jenny Zhang, PhD

Assistant professors

Seth Hoelscher, PhD

Cedric Tresor Mbanga, DBA

Instructors

Jana M. Ault-Phillips, JD

Russell K. Meek, MBA

Emeritus faculty

John E. Adamson, MBA, JD

Stanley R. Adamson, PhD, ARM

F. Joel Chaney, DBA

Frank L. Clark, PhD

Kee S. Kim, PhD

John K. Litvan, PhD

Ralph K. Manley, MBA

Robert W. Owens, PhD

John E. Patton, CLU, CPIM, MSEd

James B. Pettijohn, PhD

James R. Scott, PhD

George S. Swales, Jr., PhD

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Missouri State

Finance and General Business Courses

Business (BUS) courses

BUS 135 Introduction to Business

A survey of business which includes an evaluation of the social and economic environment in which it operates, followed by a look at business organization, management, finance, accounting, production, marketing, insurance, law, and data processing. Designed to serve three groups of students--those majoring in other departments who would like to develop a broad understanding of business through a single course; those who are undecided about a major and would like to explore business as a possibility; and those freshmen planning a major in some area of business who would like a broad understanding of business in order to make a specific selection of their major. A declared major in the College of Business who has accumulated more than 30 semester hours of credit at the time of enrollment in the course will not receive credit for the course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BUS 200 Topics in Business

A variable content course with topics that can change from semester to semester. Topics are identified by title in the class schedule. Examples are: Personal Budgeting, Residential Home Construction, Insurance for the Family, Personal Credit Management, and Business Ethics. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

BUS 303 History of Business

Prerequisite: undergraduate business majors must be admitted to degree program.

History of business; contributions of individuals and companies in evolution of modern business principles and practices.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

BUS 305 Service Learning in Business

Prerequisite: 30 hours and concurrent registration in a Finance and General Business department course designated as a service learning offering; and undergraduate business majors must be admitted to degree program.

This service component for an existing course incorporates community service with classroom instruction in business to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

BUS 307 Business in the Community

Prerequisite: undergraduate business majors must be admitted to degree program.

Study and application of business within the community. Topics include: planning and management of organizations from the viewpoint of education, community, and business; development of new business; organizational structure; interpersonal skills; funding and allocation resources of private, public and non-profit organizations. Allows for direct contact with local community leaders in education and business as well as opportunity to develop individual skills. Group dynamics and individual initiative are emphasized. May be available with BUS 305 Service Learning option. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2			Upon demand

BUS 392 International Study Away in Business

Prerequisite: acceptance into the related Study Away program; and undergraduate business majors must be admitted to degree program.

Offered in conjunction with an international Study Away program, this course consists of three parts; 1. Background research and discussion on selected companies and institutions in one or more international locations to be visited. This will address the economic, political, global, historical, social, ethical and cultural environment in which they function. 2. A visit, typically of seven days or longer, to the international destination(s) to explore the culture and visit companies, institutions, and cultural icons. 3. A final written project and discussion of the experience. The course involves research, written and oral reporting, and presentations. Group interaction based upon trust, respect, and integrity are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BUS 394 Cooperative Education in Business

Prerequisite: acceptance into Cooperative Education Program and permission of department head; undergraduate business majors must be admitted to degree program.

The opportunity to earn academic credit in a planned learning process that integrates academic training with a supervised work experience. Variable content course. May be repeated to a maximum of six hours.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

1-3			Upon demand

BUS 395 Domestic Study Away in Business

Prerequisite: acceptance into the related Study Away program; and undergraduate business majors must be admitted to degree program.

Offered in conjunction with a domestic Study Away program, this course consists of three parts; 1. Background research and discussion on selected companies and institutions in one or more U.S. financial center(s) (e.g. New York City) to be visited. This will address the economic, political, global, historical, social, ethical and cultural environment in which they function. 2. A visit, typically of seven days or longer, to the destination(s) to explore the culture and visit companies, institutions, and cultural icons. 3. A final written project and discussion of the experience. The course involves research, written and oral reporting, and presentations. Group interaction based upon trust, respect, and integrity are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BUS 397 Topics in Business

Prerequisite: undergraduate business majors must be admitted to degree program.

A variable content course with topics that can change from semester to semester. Topics are identified by title in the schedule of classes. Examples include: Employment Discrimination Law, Tax Planning for Real Estate Investments, and special courses in Insurance. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

BUS 494 Internship

Prerequisite: 80 hours; academic preparation in the field of internship; permission of department head; and undergraduate business majors must be admitted to degree program.

Opportunity to obtain practical understanding and professional growth through appropriate work experience with a cooperating business entity. Employment details and academic expectations must be instructor and company-approved prior to enrollment. Variable content course. May be repeated to a maximum of three hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

BUS 510 E-Business and Online Entrepreneurship

Prerequisite: 54 hours; and undergraduate business majors must be admitted to degree program.

A study of e-business and online entrepreneurship from an applied, best practices point of view. Classroom visits by online entrepreneurs provide unique, real-world insights into the advantages, disadvantages, and challenges of doing business over the internet. May be taught concurrently with BUS 610. Cannot receive credit for both BUS 510 and BUS 610.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BUS 550 Negotiation, Mediation, and Arbitration in Business

Prerequisite: 60 hours; and undergraduate business majors must be admitted to degree program.

A practical, skills-based study of negotiation, mediation, and arbitration from the business manager's perspective. This hands-on course is designed to develop the skills necessary to enable the business manager to effectively participate in negotiation, mediation, and arbitration as alternatives to litigation for resolving business disputes. Identical with LAW 550. May be taught concurrently with BUS 650. Cannot receive credit for more than one of BUS 550, BUS 650, LAW 550, or LAW 650.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BUS 610 E-Business and Online Entrepreneurship

A study of e-business and online entrepreneurship from an applied, best practices point of view. Classroom visits by online entrepreneurs provide unique, real-world insights into the advantages, disadvantages, and challenges of doing business over the internet. May be taught concurrently with BUS 510. Cannot receive credit for both BUS 610 and BUS 510.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BUS 650 Negotiation, Mediation, and Arbitration in Business

A practical, skills-based study of negotiation, mediation, and arbitration from the business manager's perspective. This hands-on course is designed to develop the skills necessary to enable the business manager to effectively participate in negotiation, mediation, and arbitration as alternatives to litigation for resolving business disputes. Identical with LAW 650. May be taught concurrently with BUS 550. Cannot receive credit for more than one of BUS 550, BUS 650, LAW 550, or LAW 650.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BUS 792 International Study Away in Business

Prerequisite: acceptance into the related Study Away program; and admission to a graduate program.

Offered in conjunction with an international Study Away program, this course consists of three parts: 1. Background research and discussion

Offered in conjunction with an international Study Away program, this course consists of three parts; 1. Background research and discussion on selected companies and institutions in one or more international locations to be visited. This will address the economic, political, global,

historical, social, ethical and cultural environment in which they function. 2. A visit, typically of seven days or longer, to the international destination(s) to explore the culture and visit companies, institutions, and cultural icons. 3. A final written project and discussion of the experience. The course involves research, written and oral reporting, and presentations with graduate level proficiency. Group interactions based upon trust, respect, and integrity are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BUS 795 Domestic Study Away in Business

Prerequisite: acceptance into the related Study Away program; and admission to a graduate program.

Offered in conjunction with a domestic Study Away program, this course consists of three parts; 1. Background research and discussion on selected companies and institutions in one or more major U.S. financial center(s) (e.g. New York City) to be visited. This will address the economic, political, global, historical, social, ethical and cultural environment in which they function. 2. A visit, typically of seven days or longer, to the international destination(s) to explore the culture and visit companies, institutions, and cultural icons. 3. A final written project and discussion of the experience. The course involves research, written and oral reporting, and presentations with graduate level proficiency. Group interactions based upon trust, respect, and integrity are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

Finance (FIN) courses

FIN 150 Personal Finance

A study of personal finance topics from the consumer and societal perspectives. Topics include the preparation and interpretation of personal financial statements and budgets, the time value of money, personal saving, financial market and investment fundamentals, the effective use of consumer credit, personal bankruptcy, insurance principles, automotive and housing decisions, principles of personal taxation, and retirement planning. This course will provide students with the concepts and critical thinking skills to understand the effects of financial decisions on individuals, families, and society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

FIN 266 Principles of Real Estate

Prerequisite: 15 hours.

An introduction to the study of real estate. Topics covered include legal aspects of real property, real estate financing, appraisal, brokerage, land-use control, property management, and investing in real estate.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

FIN 310 Fundraising Principles and Practices for Nonprofit Agencies

Prerequisite: undergraduate business majors must be admitted to degree program.

Comprehensive study of various funding sources for not-for-profit organizations. Explores relationships with umbrella organizations, techniques of fundraising, government funding, grantsmanship, budget control and accountability.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FIN 350 Entrepreneurial Finance

Prerequisite: ACC 201.

This course introduces the non-business major to the finance function within the small business. Topics include financial statement analysis, financial planning and forecasting, asset valuation, the time value of money, capital budgeting, cost of capital, working capital, break-even, leverage, business plans, and venture capital. Course cannot be used to satisfy any requirement for a College of Business major. Cannot receive credit for both FIN 350 and FIN 380.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FIN 367 Principles of Real Estate Appraisal

Prerequisite: FIN 266; undergraduate business majors must be admitted to degree program.

An introduction to the study of real estate appraisal. Topics covered include data collection and analysis, neighborhood and regional analysis, land and building function and description, highest and best use analysis, land valuation and improved property valuation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FIN 368 Real Estate Law

Prerequisite: FIN 266; and undergraduate business majors must be admitted to degree program.

Rights and interests in land; evidence of title; co-ownership; contracts for sale of land; deeds; wills and descent; mortgages; liens; landlord and tenant; restrictions; zoning; brokers. Identical with LAW 368. May no receive credit for both FIN 368 and LAW 368.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FIN 369 Real Estate Development

Prerequisite: FIN 266; undergraduate business majors must be admitted to degree program.

This course introduces the development process through its four major phases: concept, land acquisition, construction, and sales. Topics covered include project selection, debt and equity funding (obtainable from individual, institutional, and governmental sources), regulatory approval, environmental impact, and marketing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FIN 380 Financial Management

Prerequisite: 54 hours including ACC 201 and ACC 211 and ECO 155 and ECO 165; and QBA 237 or equivalent; and undergraduate business majors must be admitted to degree program.

An introduction to topics in corporate financial management, including financial markets, time value of money, asset valuation, risk and return, financial analysis and forecasting, capital budgeting, sources, and costs of capital.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

FIN 381 Financial Planning

Prerequisite: 54 hours; undergraduate business majors must be admitted to degree program.

Introductory analysis and planning for financial goals and problems of individuals and families utilizing the financial planning process. Topics include financial planner ethics, client communication, household financial statements/budgets, cash/credit management, income taxes, housing, risk management, saving/investment, education finance, and estate planning.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

FIN 384 Financial Markets and Intermediaries

Prerequisite: ACC 201 and ACC 211 and ECO 155 and ECO 165; undergraduate business majors must be admitted to degree program.

An overview of the organization and operation of major financial markets including money, bond, mortgage, equity, derivative, and international markets, and financial intermediaries including lenders, insurance companies, pension funds, investment banks, investment companies, and real estate investment trusts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

FIN 390 Intermediate Financial Management

Prerequisite: grade of B- or better in FIN 380; and undergraduate business majors must be admitted to degree program.

An in-depth study of corporate financial management concepts, including risk and return, valuation, financial analysis and forecasting, capital budgeting, cost of capital, capital structure, working capital, leasing, and global finance. The course utilizes electronic spreadsheets as a tool to enhance the quality of financial decisions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

FIN 392 International Study Away in Finance

Prerequisite: B- or better in FIN 380; acceptance into the related Study Away program; and undergraduate business majors must be admitted to degree program.

Offered in conjunction with an international Study Away program, this course consists of three parts; 1. Background research and discussion on selected companies and institutions in one or more international locations to be visited. This will focus primarily on financial aspects of companies and institutions, but will also address the economic, political, global, historical, social, ethical, and cultural environment in which they function. 2. A visit, typically of seven days or longer, to the international destination(s) to explore the culture and visit companies, institutions, and cultural icons. 3. A final written project and discussion of the experience. The course involves research, written and oral reporting and presentations. Group interaction based upon trust, respect, and integrity are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FIN 395 Domestic Study Away in Finance

Prerequisite: B- or better in FIN380; acceptance into the related Study Away program; undergraduate business majors must be admitted to degree program.

The course consists of three parts; 1. Background research and discussion of selected companies and institutions of one or more major U.S. financial center(s) (e.g. New York) and the economic, political, international, historical, social, ethical, and cultural environment in which they function. 2. A visit of approximately seven days' duration to the financial center(s) to visit selected companies, financial markets, and cultural icons. 3. A final written project and group discussion of the experience. The course involves extensive research, written and oral reporting, and group interaction based upon trust, respect and integrity.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FIN 480 Financial Decision Making

Prerequisite: FIN 390; undergraduate business majors must be admitted to degree program.

Application of the concepts and techniques of finance to solve financial management problems faced by contemporary companies. The course emphasizes the development of financial decision-making skills through in-depth case analysis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

FIN 485 Investments

Prerequisite: grade of B- or better in FIN 380; and undergraduate business majors must be admitted to degree program.

A survey of investment principles, investment environments, security valuation, and financial markets.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

FIN 487 Intermediate Investments

Prerequisite: FIN 485; and undergraduate business majors must be admitted to degree program.

An extension of FIN 485, Investments, including an in-depth study of security analysis, investment strategy, portfolio theory, risk analysis, and management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

FIN 494 Internship in Finance

Prerequisite: B- or Better in FIN 380; permission of department head; and undergraduate business majors must be admitted to degree program.

A variable content course. Opportunity to obtain practical understanding and professional growth through appropriate finance-related work experience at a cooperating financial institution, regulatory agency, etc., or in the finance area of a complex business entity. Employment details and academic expectations must be instructor and company-approved prior to enrollment. Graded Pass/Not Pass. May be repeated to a total of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

FIN 496 Readings in Finance

Prerequisite: permission of department head; and undergraduate business majors must be admitted to degree program.

Planned readings designed to intensify and supplement the area of finance.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

FIN 538 Introduction to Estate Planning

Prerequisite: LAW 231 or LAW 600; and FIN 380 or FIN 381 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.

Estate planning process; estate distribution probate, wills, trusts, gifts, life insurance; taxes incidental to an estate; administration of estates and trusts; analysis and selection of devices for lifetime and testamentary transfers of property. Identical with RMI 538. May be taught concurrently with FIN 638. Cannot receive credit for more than one of FIN 538, FIN 638, RMI 538, or RMI 638.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

FIN 581 Professional Financial Planning

Prerequisite: ACC 321 and FIN 381 and FIN 485 and RMI 211 and LAW 231; and RMI 314 or concurrent enrollment; and FIN 538 or RMI 538 or ACC 524 or concurrent enrollment; and undergraduate students must be admitted to degree program.

A case-oriented study of comprehensive financial planning for client families. This course integrates prior knowledge of financial planning principles and practice, investments, insurance, law, tax planning, retirement planning, and estate planning. Advanced topics in these subjects are also presented. The financial planning process, standards of professional practice, and planner ethics are emphasized. May be taught concurrently with FIN 681. Cannot receive credit for both FIN 581 and FIN 681.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

FIN 582 International Financial Management

Prerequisite: grade of B- or better in FIN 380; and undergraduate business majors must be admitted to degree program.

This course is designed to survey how the key concepts of business finance can be applied in the context of a multinational firm. Topics include: the nature and functioning of the foreign exchange market, parity conditions, foreign exchange risk management, and international investment and financing decisions. May be taught concurrently with FIN 682. Cannot receive credit for both FIN 582 and FIN 682.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

FIN 586 International Financial Statement Analysis

Prerequisite: grade of B- or better in FIN 380; and undergraduate business majors must be admitted to degree program.

An introduction to the study of international financial statement analysis emphasizing the financial statement analysis portion of the common body of knowledge from the Chartered Financial Analyst (CFA) program. May be taught concurrently with FIN 686. Cannot receive credit for both FIN 586 and FIN 686.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

FIN 589 Management of Financial Institutions

Prerequisite: grade of B- or better in FIN 380; and either FIN 384 or ECO 305; and undergraduate business majors must be admitted to degree program.

A study of the theory and practice of managing depository and non-depository financial institutions. The principal focus is asset and liability management, especially with respect to the risks associated with establishing the ideal balance between the two. Such risks include interest rate, liquidity, credit, foreign exchange and capital risk. The use of money and credit markets, as well as derivative securities to minimize risk as well as to achieve strategic financial objectives is stressed. Management implications of current developments in the interaction between financial institutions and markets are discussed. May be taught concurrently with FIN 689. Cannot receive credit for both FIN 589 and FIN 689.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

FIN 596 Research Issues and Problems: Finance

Prerequisite: 60 hours; and permission of department head; and undergraduate business majors must be admitted to degree program.

Research issues and problems growing from special areas of a student's interest which may require additional depth or breadth of study. Student's proposal and outline of study must be approved prior to enrolling. May be taught concurrently with FIN 697. Cannot receive credit for more than 6 hours of FIN 596 and FIN 697 combined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

FIN 598 Financial Research and Portfolio Management

Prerequisite: FIN 485 and undergraduate business majors must be admitted to degree program.

An introduction to finance industry research tools and the use of those tools to conduct in-depth security analysis and portfolio management. The course emphasizes more advanced security analysis and portfolio management techniques, aided by the use of industry accepted research tools. May be taught concurrently with FIN 698. Cannot receive credit for both FIN 598 and FIN 698.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FIN 599 Directed Study for CFA Level I Exam

Prerequisite: permission of instructor; and undergraduate business majors must be admitted to degree program.

The professor and student will devise a study plan, based upon the CFA Institute's Common Body of Knowledge, that will best-prepare the student to pass the CFA Level I Exam in June of the current year. May be taught concurrently with FIN 699. Cannot receive credit for both FIN 599 and FIN 699.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Spring

FIN 600 Managerial Finance

Prerequisite: ACC 600 and ECO 600; and permission of a director of a College of Business Graduate Program.

Comprehensive study of the finance function in the business enterprise, including financial analysis-planning-forecasting, capital budgeting, leasing, working capital management, capital structure, dividend policy, and multinational finance. Designed for graduate students who have not had an undergraduate course in financial management in the last five years. This course will not be counted in the hours required for a College of Business undergraduate or graduate degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

FIN 638 Introduction to Estate Planning

Prerequisite: LAW 231 or LAW 600; and FIN 380 or FIN 381 or FIN 600 or concurrent enrollment.

Estate planning process; estate distribution, probate, wills, trusts, gifts, life insurance; taxes incidental to an estate; administration of estates and trusts; analysis and selection of devices for lifetime and testamentary transfers of property. Identical with RMI 638. May be taught concurrently with FIN 538. Cannot receive credit for more than one of FIN 538, FIN 638, RMI 538, or RMI 638.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

FIN 681 Professional Financial Planning

Prerequisite: ACC 321 and FIN 381 and FIN 485 and RMI 211 and LAW 231; and RMI 314 or concurrent enrollment; and FIN 538 or RMI 538 or RMI 638 or ACC 524 or ACC 624 or concurrent enrollment.

A case-oriented study of comprehensive financial planning for client families. This course integrates prior knowledge of financial planning principles and practice, investments, insurance, law, tax planning, retirement planning, and estate planning. Advanced topics in these subjects are also presented. The financial planning process, standards of professional practice, and planner ethics are emphasized. May be taught concurrently with FIN 581. Cannot receive credit for both FIN 681 and FIN 581.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

FIN 682 International Financial Management

Prerequisite: admission to the MBA program, or admission to a graduate certificate program within the Finance and General Business Department, or permission from the MBA Program Director, or a director of a graduate program within the College of Business; and grade of B- or better in FIN 380 or FIN 600.

This course is designed to survey how the key concepts of business finance can be applied in the context of a multinational firm. Topics include: the nature and functioning of the foreign exchange market, parity conditions, foreign exchange risk management, and international investment and financing decisions. May be taught concurrently with FIN 582. Cannot receive credit for both FIN 682 and FIN 582.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

FIN 686 International Financial Statement Analysis

Prerequisite: admission to the MBA program, or admission to a graduate certificate program within the Finance and General Business Department, or permission from the MBA Program Director, or a director of a graduate program within the College of Business; and a grade of B- or better in FIN 380 or FIN 600.

An introduction to the study of international financial statement analysis emphasizing the financial statement analysis portion of the common body of knowledge from the Chartered Financial Analyst (CFA) program. May be taught concurrently with FIN 586. Cannot receive credit for both FIN 686 and FIN 586.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

FIN 689 Management of Financial Institutions

Prerequisite: grade of B- or better in FIN 380; and either FIN 384 or ECO 305.

A study of the theory and practice of managing depository and non-depository financial institutions. The principal focus is asset and liability management, especially with respect to the risks associated with establishing the ideal balance between the two. Such risks include interest rate, liquidity, credit, foreign exchange and capital risk. The use of money and credit markets, as well as derivative securities to minimize risk as well as to achieve strategic financial objectives is stressed. Management implications of current developments in the interaction between financial institutions and markets are discussed. May be taught concurrently with FIN 589. Cannot receive credit for both FIN 589 and FIN 689.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

FIN 697 Research Issues and Problems: Finance

Prerequisite: permission of department head.

Research issues and problems growing from special areas of a student's interest which may require additional depth or breadth of study. Student's proposal and outline of study must be approved prior to enrolling. May be repeated to a total of 6 hours. May be taught concurrently with FIN 596. Cannot receive credit for more than 6 hours of FIN 596 and FIN 697 combined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

FIN 698 Financial Research and Portfolio Management

Prerequisite: FIN 485 or FIN 785.

An introduction to finance industry research tools and the use of those tools to conduct in-depth security analysis and portfolio management. The course emphasizes more advanced security analysis and portfolio management techniques, aided by the use of industry accepted research tools. May be taught concurrently with FIN 598. Cannot receive credit for both FIN 698 and FIN 598.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FIN 699 Directed Study for CFA Level I Exam

Prerequisite: permission of instructor.

The professor and student will devise a study plan, based upon the CFA Institute's Common Body of Knowledge, that will best-prepare the student to pass the CFA Level I Exam in June of the current year. May be taught concurrently with FIN 599. Cannot receive credit for both FIN 699 and FIN 599.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Spring

FIN 780 Advanced Financial Management

Prerequisite: ACC 711; and a grade of B- or better in FIN 600; and admission to the MBA program, or admission to a graduate certificate program within the Finance and General Business Department, or permission from the MBA Program Director or a director of a graduate program within the College of Business.

An advanced study of the theory and practice of corporate financial management, including financial analysis and forecasting, working capital, capital budgeting, cost of capital, capital structure, mergers and acquisitions, and valuation. The course utilizes cases to emphasize both theory and technology in supporting sound financial decision-making.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

FIN 785 Investment Management

Prerequisite: FIN 780.

A study of investment theory and practice. Topics include portfolio theory, equilibrium in capital markets, equity and fixed income security analysis, derivatives (options, futures, swaps), portfolio management and strategies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

FIN 787 Seminar in Derivatives

Prerequisite: FIN 780.

A study of the fundamentals, pricing, and trading strategies of options, forwards, futures and swaps. Emphasis is placed on the modeling tools most widely used for calculating their prices and related hedging parameters. The course includes an exploration of current/relevant literature concerning market mechanics, participants, and government regulation. Each student will participate in the preparation of a significant team project and presentation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

FIN 788 Healthcare Financial Management

Prerequisite: ACC 688.

An introduction to fundamental financial management concepts and skills necessary for managers at a variety of levels in healthcare organizations. The course provides an overview of financial management and how the finance function is organized in healthcare organizations. Topics covered include: time value of money, risk and return, asset valuation, capital budgeting, financial analysis, costs of capital, and working capital management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

FIN 790 Seminar in Finance

Prerequisite: 15 graduate hours in business administration and economics including FIN 780 and permission of the coordinator of graduate studies.

Critical evaluation and interpretation of research and literature in finance.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

FIN 792 International Study Away in Finance

Prerequisite: B- or better in FIN 380 or 600; acceptance into the related Study Away program; and admission to a graduate program.

Offered in conjunction with an international Study Away program, this course consists of three parts; 1. Background research and discussion on selected companies and institutions in one or more international locations to be visited. This will focus primarily on financial aspects of companies and institutions, but will also address the economic, political, global, historical, social, ethical, and cultural environment in which they function. 2. A visit, typically of seven days or longer, to the international destination(s) to explore the culture and visit companies, institutions, and cultural icons. 3. A final written project and discussion of the experience. The course involves research, written and oral reporting and presentations with graduate-level proficiency. Group interaction based upon trust, respect, and integrity are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FIN 794 Internship: Finance

Prerequisite: permission of the director of the appropriate graduate program and department head.

In consultation with the coordinating professor, the student is engaged in on-the-job experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined and evaluated during the semester.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

FIN 795 Domestic Study Away in Finance

Prerequisite: B- or better in FIN 380 or FIN 600; and admission to a graduate program.

The course consists of three parts; 1. Background research and discussion of selected companies and institutions of one or more major U.S. financial center(s) (e.g. New York) and the economic, political, international, historical, social, ethical, and cultural environment in which they function. 2. A visit of approximately seven days' duration to the financial center(s) to visit selected companies, financial markets, and cultural icons. 3. A final written project and group discussion of the experience. The course involves extensive research, written and oral reporting, and group interaction based upon trust, respect and integrity.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FIN 796 Independent Study: Finance

Prerequisite: permission of the director of the appropriate graduate program and department head.

In consultation with the advisor, student selects for intensive study a specific area of concern related to the student's program with emphasis on research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

Law (LAW) courses

LAW 231 Legal Environment of Business

Prerequisite: 24 hours.

Ethical and legal issues in the domestic and international regulatory environment of business. Foundations of legal reasoning, case analysis, legal dispute resolution and reporting, court systems and sources of law. Substantive areas of torts, contracts, sales, products liability and consumer rights and remedies. Contemporary legal issues explored in such areas as: regulation of environmental practices, deceptive advertising, debt collection, employment, anti-trust and computer law.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

LAW 332 Debtor and Creditor Rights and Remedies

Prerequisite: LAW 231; undergraduate business majors must be admitted to degree program.

Legal aspects of financial transactions. The rules of law governing financial transactions in today's business and personal affairs. Topical areas include commercial paper, secured transactions, and bankruptcy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring, Summer

LAW 335 Business Enterprises, Rights/Liabilities

Prerequisite: LAW 231 and undergraduate business majors must be admitted to degree program.

Legal alternatives in the structuring of the business enterprise and its relationship with employees. Topical areas include personal property, bailments, real property, leaseholds, intellectual property rights, franchises, sole proprietorships, partnerships, corporations, LLC's, agency and employment law. Cannot receive credit for both LAW 335 and LAW 532.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

LAW 341 Legal Research and Writing

Prerequisite: LAW 231; undergraduate business majors must be admitted to degree program.

Use of primary and secondary legal sources and indexes are examined, including state and federal statutes, government regulations, cases, Shepard's, Missouri Practice series, law reviews and legal encyclopedias; types of legal writing are introduced; research techniques are applied to case analysis and legal writing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

LAW 368 Real Estate Law

Prerequisite: FIN 266; and undergraduate business majors must be admitted to degree program Rights and interests in land; evidence of title; co-ownership; contracts for sale of land; deeds; wills and descent; mortgages; liens; landlord and tenant; restrictions; zoning; brokers.

Identical with FIN 368. Cannot receive credit for both LAW 368 and FIN 368.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LAW 531 Labor Law and Employment Discrimination

Prerequisite: LAW 231; and undergraduate business majors must be admitted to degree program.

Legal, regulatory, and ethical issues related to employer-employee relationship, including employment-at-will doctrine, discrimination and union contracts. May be taught concurrently with LAW 631. Cannot receive credit for both LAW 531 and LAW 631.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

LAW 532 Legal Environment of Business Organizations for Professionals

Prerequisite: LAW 231; and 90 hours; and undergraduate business majors must be admitted to degree program.

Agency and employment responsibilities and liabilities facing new and traditional forms of business organizations are compared, along with selected tax and security regulation issues. Personal and real property concepts are examined, along with environmental exposure issues. Selected contract and UCC concepts are reviewed. Issue recognition, problem analysis approach and testing mechanisms are especially appropriate for individuals taking the CPA or other professional exams. Cannot receive credit for both LAW 532 and LAW 335. May be taught concurrently with LAW 632. Cannot receive credit for both LAW 532 and LAW 632.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

LAW 537 Environmental Regulation

Prerequisite: undergraduate business majors must be admitted to degree program.

Laws and government environmental regulation of air, water and soil quality, energy resources, solid and toxic waste disposal, storage tanks, toxic torts, labeling of toxic substances, recycling; ethical, public policy and international implications such regulations pose for business practices, natural resource utilization, health quality and biodiversity. May be taught concurrently with LAW 637. Cannot receive credit for both LAW 537 and LAW 637.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

LAW 539 Legal Regulation of International Commerce

Prerequisite: LAW 231; and undergraduate business majors must be admitted to degree program.

Legal and ethical issues associated with doing business in a global economy. Difference in approach to contracting and merchandising; product standards, protection and liability; trade barriers and regulation of business practices. May be taught concurrently with LAW 639. Cannot receive credit for both LAW 539 and LAW 639.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LAW 550 Negotiation, Mediation, and Arbitration in Business

Prerequisite: 60 hours; and undergraduate business majors must be admitted to degree program.

A practical, skills-based study of negotiation, mediation, and arbitration from the business manager's perspective. This hands-on course is designed to develop the skills necessary to enable the business manager to effectively participate in negotiation, mediation, and arbitration as alternatives to litigation for resolving business disputes. Identical with BUS 550. May be taught concurrently with LAW 650. Cannot receive credit for more than one of BUS 550, BUS 650, LAW 550, or LAW 650.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

LAW 600 Legal Environment for Business Managers

Prerequisite: permission of a director of a College of Business Graduate Program.

Contemporary legal and ethical issues encountered by business managers will be discussed, including issues related to torts, vicarious liability, products liability issues; formation and enforcement of contracts and sale of goods; regulatory environment affecting employment practices/discrimination, product advertising and environmental responsibility; economic development issues associated with environmental sustainability, property rights, constitutional law and city planning. Agency liabilities and fiduciary responsibilities of agents and managers in business organizations will be examined. An overview of the court system and legal dispute resolution mechanisms will be integrated. This course is primarily intended for MBA students who do not have equivalent undergraduate business law course work, and this course will not be counted in the hours required for a College of Business graduate degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

LAW 631 Labor Law and Employment Discrimination

Prerequisite: LAW 231 or LAW 600.

Legal, regulatory, and ethical issues related to employer-employee relationship, including employment-at-will doctrine, discrimination and union contracts. May be taught concurrently with LAW 531. Cannot receive credit for both LAW 631 and LAW 531.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

LAW 632 Legal Environment of Business Organizations for Professionals

Prerequisite: LAW 231 or LAW 600.

Agency and employment responsibilities and liabilities facing new and traditional forms of business organizations are compared, along with selected tax and security regulation issues. Personal and real property concepts are examined, along with environmental exposure issues. Selected contract and UCC concepts are reviewed. Issue recognition, problem analysis approach and testing mechanisms are especially appropriate for individuals taking the CPA or other professional exams. May be taught concurrently with LAW 532. Cannot receive credit for both LAW 632 and LAW 532.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

LAW 637 Environmental Regulation

Laws and government environmental regulation of air, water and soil quality, energy resources, solid and toxic waste disposal, storage tanks, toxic torts, labeling of toxic substances, recycling; ethical, public policy and international implications such regulations pose for business practices, natural resource utilization, health quality and biodiversity. May be taught concurrently with LAW 537. Cannot receive credit for both LAW 637 and LAW 537.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

LAW 639 Legal Regulation of International Commerce

Prerequisite: LAW 231 or LAW 600.

Legal and ethical issues associated with doing business in a global economy. Difference in approach to contracting and merchandising; product standards, protection and liability; trade barriers and regulation of business practices. May be taught concurrently with LAW 539. Cannot receive credit for both LAW 639 and LAW 539.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LAW 650 Negotiation, Mediation, and Arbitration in Business

A practical, skills-based study of negotiation, mediation, and arbitration from the business manager's perspective. This hands-on course is designed to develop the skills necessary to enable the business manager to effectively participate in negotiation, mediation, and arbitration as alternatives to litigation for resolving business disputes. Identical with BUS 650. May be taught concurrently with LAW 550. Cannot receive credit for more than one of BUS 550, BUS 650, LAW 550, or LAW 650.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

LAW 730 Seminar: Contemporary Legal Issues

Prerequisite: LAW 231 or LAW 600.

In-depth study of selected contemporary legal issues and their impact on the environment of business. Exploration of legal resources relevant to the topics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LAW 733 Legal Regulation of Competition and Monopoly

Prerequisite: LAW 231 and LAW 335; or LAW 600.

Evolution of legal theory regarding governmental regulation of business. The judicial application of laws relating to anti-trust, price discrimination, entry regulation, rate making.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

Risk management and insurance (RMI) courses

RMI 211 Principles of Risk Management and Insurance

Prerequisite: 15 hours.

An introduction to the nature of risk and strategies for managing personal and enterprise risks. Analysis of insurance coverage including life, health, retirement, property, and liability and the use of insurance in the risk management process.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

RMI 310 Theory of Risk and Measurement

Prerequisite: QBA 237 or equivalent; undergraduate business majors must be admitted to degree program.

Decision making under uncertainty: Theory of personal and corporate risk management, risk premiums, and measures of risk.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

RMI 312 Life Insurance

Prerequisite: RMI 211; undergraduate business majors must be admitted to degree program.

Nature and types of life insurance and annuity contracts insuring human life values for business and personal purposes; principles underlying the calculation of life insurance and annuity premiums, reserves, nonforfeiture values and dividends; introduction of group life insurance, pensions, health, social insurance, settlement options, taxation as related to life insurance programming.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

RMI 313 Property and Liability Insurance

Prerequisite: RMI 211; undergraduate business majors must be admitted to degree program.

Analysis and application of risk and insurance principles to direct and consequential losses in fire, marine, inland marine, multiple-line coverages, liability, workers' compensation, fidelity, surety, and crime perils.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

RMI 314 Employee Benefits and Social Insurance

Prerequisite: 30 hours; undergraduate business majors must be admitted to degree program.

The study of group life and health insurance, retirement programs, Social Security, and other social insurance programs as devices to mitigate economic losses from death, disability, medical costs, retirement, and unemployment in relation to personal and business risk problems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

RMI 392 International Study Away in Insurance

Prerequisite: RMI 211; acceptance into the related Study Away program; and undergraduate business majors must be admitted to degree program.

Offered in conjunction with an international Study Away program, this course consists of three parts; 1. Background research and discussion on selected companies and institutions in one or more major international locations to be visited. This will focus primarily on risk management and insurance aspects, but will also address the economic, political, global, historical, social, ethical, and cultural environment in which they function. 2. A visit, typically of seven days or longer, to the international destination(s) to explore the culture and visit companies, institutions, and cultural icons. 3. A final written project and discussion of the experience. The course involves research, written and oral reporting and presentations. Group interaction based upon trust, respect, and integrity are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

RMI 395 Domestic Study Away in Risk Management and Insurance

Prerequisite: RMI 211; acceptance into the related Study Away program; and undergraduate business majors must be admitted to degree program.

Offered in conjunction with a domestic Study Away program, this course consists of three parts; 1. Background research and discussion on selected companies and institutions in one or more major U.S. financial center(s) (e.g. New York City) to be visited. This will focus primarily on risk management and insurance aspects, but will also address the economic, political, global, historical, social, ethical, and cultural environment in which they function. 2. A visit, typically of seven days or longer, to the destination(s) to explore the culture and visit companies, institutions, and cultural icons. 3. A final written project and discussion of the experience. The course involves research, written and oral reporting and presentations. Group interaction based upon trust, respect, and integrity are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

RMI 397 Topics in Insurance

Prerequisite: undergraduate business majors must be admitted to degree program; students taking course as independent study, readings, or professional designation courses must obtain department head approval prior to enrollment.

A variable content course to intensify and supplement the study of insurance, designed for students desiring to develop toward professional competence in property/casualty, risk management, life/health, employee benefits, financial services, and insurance-related areas. Course design may include independent study, readings, professional designation courses, and/or traditional classroom work. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

RMI 415 Risk Management

Prerequisite: 80 hours including RMI 211; undergraduate business majors must be admitted to degree program.

Identifying and analyzing the loss exposures. Developing alternative techniques for treating each exposure with emphasis on risk control and risk financing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

RMI 494 Internship in Risk Management and Insurance

Prerequisite: B- or Better in RMI 211; 2.80 GPA; permission of department head; and undergraduate business majors must be admitted to degree program.

A variable content course. Opportunity to obtain practical understanding and professional growth through appropriate risk management/insurance-related work experience at a cooperating insurance firm, regulatory agency, etc., or in the risk management area of a complex business entity. Employment details and outline of study must be instructor and company-approved prior to enrollment. Graded Pass/Not Pass. May be repeated to a total of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

RMI 520 Risk Modeling and Analytics

Prerequisite: FIN 390 or FIN 485 or MTH 261 or RMI 310 or concurrent enrollment in any of these courses; undergraduate business majors must be admitted to degree program.

Actuarial and financial models of risk, statistical distributions, and simulations. Applications to operational, credit and market risks. May be taught concurrently with RMI 620. Cannot receive credit for both RMI 520 and RMI 620.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

RMI 530 Risk Transfer

Prerequisite: FIN 390 or FIN 485 or MTH 261 or RMI 310 or concurrent enrollment in any of these courses; undergraduate business majors must be admitted to degree program.

Insurance transfers including captives. Non-insurance transfers including derivative markets, asset backed and insurance linked securitizations. May be taught concurrently with RMI 630. Cannot receive credit for both RMI 530 and RMI 630.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

RMI 538 Introduction to Estate Planning

Prerequisite: LAW 231 or LAW 600; and FIN 380 or FIN 381 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.

Estate planning process; estate distribution, probate, wills, trusts, gifts, life insurance; taxes incidental to an estate; administration of estates and trusts; analysis and selection of devices for lifetime and testamentary transfers of property. Identical with FIN 538. May be taught concurrently with RMI 638. Cannot receive credit for more than one of FIN 538, FIN 638, RMI 538, or RMI 638.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

RMI 620 Risk Modeling and Analytics

Prerequisite: FIN 390 or FIN 485 or MTH 261 or RMI 310 or QBA 600 or concurrent enrollment in any of these courses.

Actuarial and financial models of risk, statistical distributions, and simulations. Applications to operational, credit and market risks. May be taught concurrently with RMI 520. Cannot receive credit for both RMI 520 and RMI 620.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

RMI 630 Risk Transfer

Prerequisite: FIN 390 or FIN 485 or MTH 261 or RMI 310 or QBA 600 or concurrent enrollment in any of these courses.

Insurance transfers including captives. Non-insurance transfers including derivative markets, asset backed and insurance linked securitizations. May be taught concurrently with RMI 530. Cannot receive credit for both RMI 530 and RMI 630.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

RMI 638 Introduction to Estate Planning

Prerequisite: LAW 231 or LAW 600; and FIN 380 or FIN 381 or FIN 600 or concurrent enrollment.

Estate planning process; estate distribution, probate, wills, trusts, gifts, life insurance; taxes incidental to an estate; administration of estates and trusts; analysis and selection of devices for lifetime and testamentary transfers of property. Identical with FIN 638. May be taught concurrently with RMI 538. Cannot receive credit for more than one of FIN 538, FIN 638, RMI 538, or RMI 638.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

RMI 785 Advanced Topics in Risk Management and Insurance

Prerequisite: QBA 600 or equivalent.

Focus on the advanced study of risk management and insurance incorporating both theory and practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

RMI 792 International Study Away in Risk Management and Insurance

Prerequisite: RMI 211; acceptance into the related Study Away program; and admission to a graduate program.

Offered in conjunction with an international Study Away program, this course consists of three parts; 1. Background research and discussion on selected companies and institutions in one or more international locations to be visited. This will focus primarily on risk management and insurance aspects, but will also address the economic, political, global, historical, social, ethical, and cultural environment in which they function. 2. A visit, typically of seven days or longer, to the international destination(s) to explore the culture and visit companies, institutions, and cultural icons. 3. A final written project and discussion of the experience. The course involves research, written and oral reporting and presentations with graduate-level proficiency. Group interaction based upon trust, respect, and integrity are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

RMI 795 Domestic Study Away in Risk Management and Insurance

Prerequisite: RMI 211; acceptance into the related Study Away program; and admission to a graduate program.

Offered in conjunction with an international Study Away program, this course consists of three parts; 1. Background research and discussion on selected companies and institutions in one or more major U.S. financial center(s) (e.g. New York City) to be visited. This will focus primarily on risk management and insurance aspects, but will also address the economic, political, global, historical, social, ethical, and cultural environment in which they function. 2. A visit, typically of seven days or longer, to the destination(s) to explore the culture and visit companies, institutions, and cultural icons. 3. A final written project and discussion of the experience. The course involves research, written and oral reporting and presentations with graduate-level proficiency. Group interaction based upon trust, respect, and integrity are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Enterprise Risk Management

Minor(s)

Enterprise Risk Management

Bachelor of Arts

Bachelor of Science

A. BUS 135(3) or MGT 340(3); RMI 211(3), 310(3), 415(3)
B. Complete six additional hours from the following: AGB 344(3), 534(3), 584(3); BUS 550/LAW 550(3); ECO 365(3); ECO 409(3); FIN 266(3), 381(3), 384(3), 485(3); FIN 538/RMI538(3); MTH 503(3), 540(3); RMI 314(3), 392(3), 395(3), 397(3), 415(3), 520(3), 530(3); TCM 337(3), 555(3)

Students wishing to pursue the Actuary Science program, which consists of a major in mathematics and a minor in Enterprise Risk Management, should contact the Department of Mathematics to declare their major and The Business Advisement Center to declare their minor.

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https://www.missouristate.edu/registrar/catalog/prog-enterprise-risk-management.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Finance

Major(s)

Finance (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. College of Business Admission and Program Requirements
C. Major Requirements (29-33 hours)
    1. FIN 384(3), 485(3); LAW 335(2) or 532(3)
    2. Complete one of the following options:
        a. **Corporate and Investments:**
            1. Complete six hours from the following: FIN 266(3), 381(3), RMI 211(3)
            2. FIN 390(3); 487(3) or 598(3); 586(3)*
            3. Complete nine additional hours from the following: FIN 392(3) or 395(3); 480(3), 494(3), 582(3), 589(3), 596(3), 599(3); RMI 520(3), 530(3)

            ** Students who have completed ACC 301 , ACC 302 and ACC 504 may waive FIN 586. Waiver of FIN 586 does not waive any hours on the COB globalization requirement.*
        b. **Financial Planning:**
            1. ACC 321(3); FIN 381(3), FIN 538/RMI 538(3), FIN 581(3); RMI 211(3), 314(3)
            2. Choose one of the following: ACC 524(3), 525(3); BUS 550/LAW 550(3); COM 325(3); FIN 266(3), 390(3), 392(3), 395(3), 487(3); MKT 352(3); RMI 312(3), 313(3)
D. General Baccalaureate Degree Requirements

Minor(s)

Finance

Bachelor of Arts

Bachelor of Science

A. FIN 380(3), 384(3), 485(3)
B. Complete six additional hours from the following: FIN 381(3), 390(3); FIN 392(3) or 395(3); 480(3), 487(3), 582(3), 586(3)*, 589(3)

**Students who have completed ACC 301 , ACC 302, and ACC 504 may waive FIN 586.*

Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Financial Planning

Minor(s)

Financial Planning

Bachelor of Arts

Bachelor of Science

ACC 321(3); FIN 381(3), 485(3); FIN 538/RMI 538(3) or ACC 524(3); FIN 581(3); RMI 314(3)

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Missouri State

General Business

Major(s)

General Business (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. College of Business Admission and Program Requirements
C. Major Requirements (32-33 hours)
    1. LAW 335(2) or 532(3); RMI 211(3)
    2. Complete a minimum of 27 hours from at least five of the following areas:
        a. Accounting: ACC 301(3), 302(3), 311(3), 321(3), 513(3), 524(3), 532(3)
        b. Business Relationships: BUS 395(3); BUS 550/LAW 550(3); ENG 321(3)*; LAW 341(3); MGT 397(3), MGT 486(3)
        c. Computer Information Systems: CIS 205(3), 260(3), 290(3), 365(3), 370(3), 475(3)
        d. Finance: BUS 510(3); FIN 381(3), 384(3), 390(3), 395(3); 485(3)
        e. International: BUS 392(3); FIN 392(3), FIN 582(3), FIN 586(3); LAW 539(3); MGT 447(3); MKT 474(3); RMI 392(3)
        f. Management: LAW 531(3); MGT 341(3), 342(3), 345(3), 384(3), 561(3); TCM 337(3), 359(3), 456(3)
        g. Marketing: MKT 351(3), 352(3), 354(3), 355(3), 365(3), 510(3)
        h. Real Estate: FIN 266(3), 367(3), FIN 368/LAW 368(3), FIN 369(3)
        i. Risk Management and Insurance: FIN 538/RMI 538(3); LAW 537(3); RMI 312(3), 313(3), 314(3), 395(3), 415(3)

        *ENG 321 may also be used to meet the Focus on Written Communication and Integrative and Applied Learning requirement of General Education.

        Recommended electives (not required): AGB 354(2); BUS 303(2), 307(2); ECO 305(3), 586(3); GRY 321(3); PSY 359(3), 525(3); SOC 150(3), 309(3)
D. General Baccalaureate Degree Requirements

Minor(s)

General Business

Bachelor of Arts

Bachelor of Science

A. ACC 201(3); BUS 135(3); CIS 201(3); LAW 231(3)
B. Complete six additional hours from the following: ACC 211(3); BUS 200(3) or 397(3); BUS 392(3), BUS 395(3); BUS 550 or LAW 550(3); FIN 266(3), 380(3), 381(3), 384(3), 392(3), 395(3); LAW 332(1); LAW 335(2) or 532(3); 341(3), 531(3), 537(3); MGT 286(3), 320(3), 340(3), 341(3), 486(3); MKT 150(3) or 350(3); MKT 355(3); QBA 237(3); RMI 211(3), 392(3), 395(3).

Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Insurance

Minor(s)

Insurance

Bachelor of Arts

Bachelor of Science

A. BUS 135(3) or MGT 340(3); RMI 211(3), 312(3), 313(3)
B. Complete six additional hours from the following: BUS 550/LAW 550(3); FIN 266(3), 381(3), 485(3), FIN 538/RMI 538(3); RMI 310(3), 314(3), 392(3), 395(3), 397(3), 415(3), 520(3), 530(3); MKT 350(3); MTH 541(3), 543(3), 546(3), 547(3), 548(3)

Students wishing to pursue the Actuary Science program, which consists of a major in mathematics and a minor in Insurance, should contact the Department of Mathematics to declare their major and The Business Advisement Center to declare their minor.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Legal Studies in Business

Minor(s)

Legal Studies in Business

Bachelor of Arts

Bachelor of Science

A. LAW 231(3), 332(1); 335(2) or 532(3); 341(3)
B. Complete 9 additional hours from the following which must include a minimum of 6 hours from Group 1:
   1. Group 1 (business courses): ACC 321(3), ACC 524(3); BUS 550/LAW 550(3); FIN 368/LAW 368(3); FIN 538/RMI 538(3); FIN 596(1-3); LAW 531(3), LAW 537(3), LAW 539(3); RMI 211(3), RMI 314(3)
   2. Group 2 (non-business courses): AGB 314(3); PHI 340(3); PLS 419(3), PLS 515(3), PLS 517(3); PSY 320(3); SFR 581(2)

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Missouri State

Office of the Registrar
Undergraduate Catalog

Risk Management and Insurance

Major(s)

Risk Management and Insurance (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. College of Business Admission and Program Requirements
C. Major Requirements (32-33 hours)
    1. FIN 384(3); LAW 335(2) or 532(3); RMI 211(3), 310(3), 313(3), 415(3)
    2. Complete one of the following options:
        a. **Enterprise Risk Management:**
            1. FIN 485(3); RMI 520(3), 530(3)
            2. Complete six additional hours from the following: BUS 550/LAW 550(3); FIN 390(3), 487(3), 589(3), FIN 538/RMI 538(3); RMI 314(3), 392(3), 395(3), 397(3)*, 494(3)
        b. **Insurance:**
            1. FIN 266(3) or 381(3); RMI 312(3)
            2. Complete one of the following: BUS 550/LAW 550(3); COM 332(3), 336(3); MKT 351(3), 352(3)
            3. Complete six additional hours from the following: ACC 321(3); BUS 550/LAW 550(3); FIN 485(3); FIN 538/RMI 538(3); RMI 314(3), 392(3), 395(3), 397(3)*, 494(3), 520(3), 530(3)

            ** Students may only apply credits for RMI 397 only once toward the major.*
D. General Baccalaureate Degree Requirements

Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Information Technology and Cybersecurity

Programs

Indicates accelerated graduate program is available

Undergraduate

Business Analysis (BS)

Business Analytics (Minor)

Business Application Development (Minor)

Cybersecurity (Minor)

Information Technology (BS, Minor)

IT Infrastructure (Minor)

Web Application Development (Minor)

Graduate

Business Administration, Master of (MBA) Administered by the College of Business

Computer Information Systems (Certificate)

Cybersecurity (MS)

Cybersecurity (Certificate)

Data Analytics (Certificate)

Information Technology (MS)

Accreditation

AACSB International – The Association to Advance Collegiate Schools of Business – all programs.

Contact

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Missouri State

Office of the Registrar
Undergraduate Catalog

Information Technology and Cybersecurity Faculty

Professors

Tonya B. Barrier, PhD

S. Berlin Brahnam, PhD

Joshua M. Davis, PhD

Richard A. Johnson, PhD

Rajeev Kaula, PhD

Thomas M. Margavio, PhD

David B. Meinert, PhD

Dane K. Peterson, PhD

Randall S. Sexton, PhD

Instructors

Rebekah E. Austin, MS

Richard L. Burton, MBA

Radhika Kaula, MBA

Jennifer M. Lowenthal-Hershey, MBA

Raju Mainali, PhD

Steve W. Samuelson, MS

Patrick R. Sells, MBA

Jo Lynne Stalnaker, MED

Assistant professors

Deepti Agrawal, PhD

Rick L. Brattin, PhD

Xiang Guo, PhD

Soo Il Shin, PhD

Ravi Thambusamy, PhD

Zhiguo Yang, PhD

Senior instructor

Cathy A. Van Landuyt, PhD

Emeritus faculty

James T. Brown, EdD

Jerry M. Chin, DBA

William R. Cornette, PhD

Ronald S. Dattero, PhD

Kenneth D. Douglas, PhD

Irene A. Francka, EdS

Lois M. Garrett, MEd

Michael A. Hignite, PhD

Neva W. Johnson, MEd

Chung S. Kim, PhD

Duane R. Moses, PhD

Heide R. Perreault, EdD

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Glenna M. Vanderhoof, PhD

Ann L. Wilson, MBA

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Missouri State

Information Technology and Cybersecurity Courses

Computer information systems (CIS) courses

CIS 200 Critical and Creative Thinking Using Information Technology

Prerequisite: 12 hours.

General Education Course (Focus on Public Issues).

Students learn and apply techniques that support critical and creative thinking when solving individual and public policy problems using information technology. Case studies with applied, real-world examples are used throughout. Instructional methods include lecture, discussion, demonstration, guided practice, and technology-supported collaboration. Course sections are offered via online, blended, and traditional modalities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 201 Computer Applications for Business

A study of the use and applications of computer information systems concepts in business and public organizations. The course emphasizes the use of spreadsheet software to plan, analyze, design, develop and test business solutions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 205 Web Site Design and Development

A study of the design and development of web sites using HTML editors (such as Microsoft FrontPage or Macromedia Dreamweaver). Graphics packages and multimedia packages. The student will learn to create and deploy professional-grade web sites.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 225 Computer Hardware and Operating Systems

CIS 235 Computer Hardware and Operating Systems

Introduction to computer hardware and operating systems. Topics include components of a computer, the Windows operating system, and the Linux operating system.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 260 Introduction to Java Programming

Introduction to the key concepts of object technology and the fundamentals of the Java programming language. Projects using Java involve the development of elementary applications.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 290 Advanced Microcomputer Applications

Emphasis on problem-solving activities using advanced applications such as word processing, desktop publishing, database, graphics, and multimedia.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 295 Database Management Systems Concepts and Design

Study of database design, development and management concepts and techniques. Emphasis on data modeling using entity-relationship and/or UML diagrams. Discussion and application of SQL to develop and query databases.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 330 Introduction to Networking

Prerequisite: CIS 235; and undergraduate business majors must be admitted to degree program.

This is an introductory course of computer networking and its applications in business telecommunications. Topics to be covered include history of computer networks, revolution of internet and World Wide Web (WWW), switches, routers, packet switching, circuit switching, OSI models, IPv4, IPv6, DNS, DHCP, subnetting basics, firewall basics, wireless and mobile networks, and basics of network security.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 362 Mobile App Development

Prerequisite: CIS 260.

This course introduces students to programming technologies, design, and development related to mobile applications. Topics include accessing device capabilities, industry standards, operating systems, and programming for mobile applications using a standard Software Development Kit (SDK). Upon completion, students should be able to create basic applications for mobile devices.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 366 Introduction to .Net Development with C#

Prerequisite: CIS 260.

This course is an introduction to the study of object technology using the C# programming language. Topics include graphical user interfaces, event handling, exception handling, inheritance, and file I/O.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 370 Introduction to Web Development

Prerequisite: CIS 260; and undergraduate business majors must be admitted to degree program.

Introduction to the development of web-based computer applications. Provides extensive hands-on experience of an introductory nature in several important web technologies such as HTML, XHTML, CSS, XML, ASP, and scripting languages (e.g., JavaScript and/or VBScript).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CIS 388 Information Systems Analysis and Design

Prerequisite: CIS 235 or CIS 260 or CIS 295 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.

A study of the analysis and design of computer information systems covering applications, data, and infrastructure.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 389 Digital Business Transformation

Prerequisite: undergraduate business majors must be admitted to degree program.

This course explores the strategic and innovative transformation of organizational business processes through information technology (IT). Digital transformation leverages IT to improve existing business process models or to enable profound new business processes, activities, and competencies not otherwise possible without IT. Students will gain understanding of digital transformation strategies and specific business process enabling technologies such as enterprise systems, big data/analytics, artificial intelligence, and workflow automation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 394 Cooperative Education in CIS

Prerequisite: acceptance into Cooperative Education Program and permission of department head; and undergraduate business majors must be admitted to degree program.

The opportunity to earn academic credit in a planned learning process that integrates academic training with a supervised work experience. Variable content course. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

CIS 397 Topics in Computer Information Systems

Prerequisite: permission; and undergraduate business majors must be admitted to degree program.

A variable content course with topics that can change from semester to semester. Topics are identified by title in the schedule of classes. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

CIS 420 IT Project Management

Prerequisite: undergraduate business majors must be admitted to degree program.

A study of the concepts, practices, processes, tools, techniques and resources used to manage the entire life cycle of IT service projects. The importance of financial budgeting, accounting, and reporting will be stressed. Case studies will be used extensively.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CIS 429 Information Systems with Business Intelligence

Prerequisite: CIS 201; and undergraduate business majors must be admitted to degree program.

An understanding of how information technology and systems are utilized in business organizations. Explore the impact of information technology and systems in facilitating business operations to accomplish business goals, improve interaction with external partners or constituents, improve organizational efficiency, achieve competitive advantage, and gain competitive insight for decision making. Topics

include enterprise systems, systems development, hardware/software concepts, networking concepts, database and data warehouse concepts, business intelligence impact, and e-business concepts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 430 Advanced Networking

Prerequisite: CIS 330; and undergraduate business majors must be admitted to degree program.

This is a hands-on advanced networking course. Topics to be covered include real-world device configuration, fiber core infrastructure, network design, troubleshooting, VLAN, VoIP, packet analysis, and penetration testing. Advanced computer security topics such as public/private key encryption, digital signature, and email security will also be introduced.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 466 Advanced .Net Development with C#

Prerequisite: CIS 295 and CIS 366; and CIS 388 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.

Advanced methods and techniques of designing and implementing Windows software applications using C#. Case study will provide a framework for developing working prototypes of business applications using a graphical user interface, object-oriented language.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 475 Advanced Web Development

Prerequisite: CIS 295 and CIS 370; and CIS 388 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.

Continuing coverage of the key concepts of developing intermediate to advanced web applications. Provides extensive hands-on experience of an advanced nature in several important web technologies and frameworks such as HTML, CSS, AJAX, Ruby, Ruby on Rails, and scripting languages (e.g., JavaScript).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CIS 494 Internship in Computer Information Systems

Prerequisite: CIS 235 and CIS 260 and CIS 295 and CIS 388; and permission of department head; and undergraduate business majors must be admitted to degree program.

Work-study program with cooperating employers. Class or conference study of problems encountered by the student; on-the-job application

of principles with analysis and improvement of work operations. A significant course project is required. May be repeated to a maximum of three hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

CIS 495 Advanced Database Management Systems Concepts

Prerequisite: CIS 295; and undergraduate business majors must be admitted to degree program.

The study of advanced database design, development, management, optimization and governance from the perspective of the database administrator (DBA). Includes in-depth coverage of physical database design and optimization, transaction control, assertions and other data integrity techniques. Particular attention will be given to query optimization and query processing. Students will become familiar with advanced database architectures and advanced data modeling designs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 528 Database Application Development with Oracle

Prerequisite: CIS 260 and CIS 295; and undergraduate business majors must be admitted to degree program.

Application of database principles toward the development of a business information system. Emphasis will be on the design, construction, testing, and installation of a comprehensive database application using Oracle DBMS, SQL, PI/SQL, HTML, or other data access tools. A significant course project is required, and may be an individual or group project. May be taught concurrently with CIS 628. Cannot receive credit for both CIS 628 and CIS 528.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 535 Machine Learning

Prerequisite: undergraduate business majors must be admitted to degree program.

An introduction to machine learning, data mining, and statistical pattern recognition. The course will also cover recent applications of machine learning, such as speech recognition, bankruptcy, credit fraud, customer churn, cancer predictions, and facial recognition. Software will be provided for hands-on experience using a feed-forward neural network optimized with a genetic algorithm for business analytics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 545 Data Infrastructure for Data Analytics

Prerequisite: CIS 295 and QBA 237; and undergraduate business majors must be admitted to degree program.

This course focuses on emerging issues surrounding the modern data infrastructures that enable data analytics. Students will explore the challenges of working with Big Data (large, diverse datasets that often include varied data types and streaming data) in addition to traditional data infrastructures such as data warehouses. They will become familiar with capturing data from contemporary sources such as web and social media, mobile and sensors, and a variety of large, publically available datasets. Various data management techniques will be explored, including distributed file systems and associated query methods. The goal of this course is to prepare students to assess and recommend large-scale information storage and retrieval components which enable data analytics. May be taught concurrently with CIS 645. The graduate level (645) students will have a significant research project required above and beyond the undergraduate level (545) students. Cannot receive credit for both CIS 545 and CIS 645.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 555 Data Visualization

Prerequisite: QBA 237; and undergraduate business majors must be admitted to degree program.

This course introduces data visualization concepts, principles, techniques and tools. Data visualization is an effective approach to discover insights from data. It is a necessary component in the skills portfolio of a data analytics professional. Students will learn relevant principles from fields such as psychology and human computer interaction. This course is designed as hands-on, experience oriented. The principles, concepts, ideas and insights discovering are taught by using data visualization software. The designed learning outcome is that students are able to (1) interpret and explain commonly used data visualization presentations, (2) suggest visualization methods for specific decision making purpose, (3) understand special features of visualization formats such as possible biases that readers may be subject to, and (4) use a software package to design and implement a visualization project. May be taught concurrently with CIS 655. The graduate level (655) students will have a significant research project required above and beyond the undergraduate level (555) students. Cannot receive credit for both CIS 555 and 655.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 560 Fundamentals of Cybersecurity

Prerequisite: CIS 330 and undergraduate business majors must be admitted to degree program.

The course is an introduction to the basic issues in computer security. While technical in nature, this course is introductory in its approach in that the student is not required to have an extensive background in programming or technical support.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 563 Introduction to Network Security

Prerequisite: CIS 560 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.

This hands-on course provides an introduction to tools and techniques used by security professionals to secure corporate networks. Topics include virtual private networks (VPNs), firewalls, and intrusion detection and prevention systems (IDS/IPS). Defense in depth will be taught through the installation and configuration of firewalls, VPNs, and IDS/IPS. Students will be able to recognize and prevent malicious attacks

on corporate networks.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 564 Introduction to Ethical Hacking

Prerequisite: CIS 560 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.

This hands-on course provides an introduction to tools and techniques used by hackers to penetrate corporate networks. Topics include vulnerabilities of operating systems, incident-handling methods, and an overview of the process and methodologies used in penetration testing including ethical and legal implications.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 565 Computer Forensics

Prerequisite: CIS 560 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.

This hands-on course addresses the fundamentals of computer system forensics. It will provide an overview of computer crimes, forensic methods, the role of computer forensics specialists, computer forensic evidence, and the application of forensic analysis skills. Emerging technology and future directions will be considered along with email, mobile, Window, Mac, and Linux forensics. May be taught concurrently with CIS 765. Cannot receive credit for both CIS 565 and CIS 765.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 566 Web Application Security

Prerequisite: CIS 560 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.

This hands-on course addresses the fundamentals of computer system forensics. It will provide an overview of computer crimes, forensic methods, the role of computer forensics specialists, computer forensic evidence, and the application of forensic analysis skills. Emerging technology and future directions will be considered along with email, mobile, Window, Mac, and Linux forensics. May be taught concurrently with CIS 766. Cannot receive credit for both CIS 566 and CIS 766.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 581 Foundations of Information Technology Service Management (ITSM)

Prerequisite: undergraduate business majors must be admitted to degree program.

Essential concepts of Information Technology (IT) Service Management. IT Service Management provides for the effective and efficient

delivery of IT services in support of changing business needs. May be taught concurrently with CIS 681. Cannot receive credit for both CIS 581 and CIS 681.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 583 Cloud Computing

Prerequisite: undergraduate business majors must be admitted to degree program.

A study of the concepts and applications of cloud computing. Cloud computing is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g. networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction. May be taught concurrently with CIS 683. Cannot receive credit for both CIS 583 and CIS 683.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CIS 600 Information Systems in Business Organizations

Prerequisite: permission of a director of a College of Business graduate program.

Comprehensive study of the fundamentals of business information systems. Designed for graduate students who have not had undergraduate information systems courses. Will not be counted in the hours required for a College of Business graduate degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 628 Database Application Development with Oracle

Prerequisite: CIS 466 or CIS 475 or permission of a director of a College of Business graduate program.

Application of database principles toward the development of a business information system. Emphasis will be on the design, construction, testing, and installation of a comprehensive database application using Oracle DBMS, SQL, PI/SQL, HTML, or other data access tools. A significant course project is required, and may be an individual or group project. May be taught concurrently with CIS 528. Cannot receive credit for both CIS 628 and CIS 528.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 645 Data Infrastructure for Data Analytics

This course focuses on emerging issues surrounding the modern data infrastructures that enable data analytics. Students will explore the challenges of working with Big Data (large, diverse datasets that often include varied data types and streaming data) in addition to traditional data infrastructures such as data warehouses. They will become familiar with capturing data from contemporary sources such as web and social media, mobile and sensors, and a variety of large, publically available datasets. Various data management techniques will be explored,

including distributed file systems and associated query methods. The goal of this course is to prepare students to assess and recommend

large-scale information storage and retrieval components which enable data analytics. May be taught concurrently with CIS 545. The graduate level (645) students will have a significant research project required above and beyond the undergraduate level (545) students. Cannot receive credit for both CIS 645 and CIS 545.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 655 Data Visualization

This course introduces data visualization concepts, principles, techniques and tools. Data visualization is an effective approach to discover insights from data. It is a necessary component in the skills portfolio of a data analytics professional. Students will learn relevant principles from fields such as psychology and human computer interaction. This course is designed as hands-on, experience oriented. The principles, concepts, ideas and insights discovering are taught by using data visualization software. The designed learning outcome is that students are able to (1) interpret and explain commonly used data visualization presentations, (2) suggest visualization methods for specific decision making purpose, (3) understand special features of visualization formats such as possible biases that readers may be subject to, and (4) use a software package to design and implement a visualization project. May be taught concurrently with CIS 555. The graduate level (655) students will have a significant research project required above and beyond the undergraduate level (555) students. Cannot receive credit for both CIS 655 and 555.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 660 Foundations of Cybersecurity

Prerequisite: permission of Cybersecurity program director.

This course is an introduction to the basic issues in computer security. While technical in nature, this course is introductory in its approach in that the student is not required to have an extensive background in programming or technical support. A significant research project is required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 663 Telecommunications and Network Security

Prerequisite: CIS 660 and admission to the Cybersecurity program or permission.

This hands-on course provides an introduction to tools and techniques used by security professionals to secure corporate networks. Topics include virtual private networks (VPNs), firewalls, and intrusion detection and prevention systems (IDS/IPS). Defense in depth will be taught through the installation and configuration of firewalls, VPNs, and IDS/IPS. Students will be able to recognize and prevent malicious attacks on corporate networks. A significant research project is required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 664 Ethical Hacking and Incident Response

Prerequisite: CIS 660 or concurrent enrollment; and admission to the Cybersecurity program or permission.

This hands-on course provides an introduction to tools and techniques used by hackers to penetrate corporate networks. Topics include vulnerabilities of operating systems, incident-handling methods, and an overview of the process and methodologies used in penetration testing including ethical and legal implications. A significant research project is required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 681 Foundations of Information Technology Service Management (ITSM)

Essential concepts of Information Technology (IT) Service Management. IT Service Management provides for the effective and efficient delivery of IT services in support of changing business needs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 682 Lean IT

Lean principles to manage IT with an emphasis on the reduction of waste and providing value to customers. Additional principles from Lean Six Sigma, continual improvement, IT Service Management, and other relevant areas will be covered. Course requires students to complete a project analyzing one or more of the existing IT processes of an organization.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 683 Cloud Computing

A study of the concepts and applications of cloud computing. Cloud computing is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g. networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction. May be taught concurrently with CIS 583. Cannot receive credit for both CIS 683 and CIS 583.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CIS 696 Problems in Business: Computer Information Systems

Prerequisite: permission of a director of a College of Business graduate program.

Technical or professional problems growing from particular needs which may require additional depth or breadth of study. Outline of study

technical or professional problems growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a maximum of three hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CIS 720 Project Management in Information Systems

A study of the concepts, practices, processes, tools, techniques and resources used by information system (IS) project managers. The entire project life cycle will be covered from inception to close-out. The course will closely follow the framework of the Project Management Body of Knowledge (PMBoK). The course will focus on how to manage the scope, schedule, budget and risk of projects, with emphasis on information systems and information technology projects.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 732 Strategic IT Planning

Prerequisite: admission to the MS in Information Technology program.

Introduction to fundamental issues of information system (IS) planning. Current theory and specific IS planning practices are studied. Emphasis on strategic implications of information technology, IS planning vis-a-vis strategic planning, development and maintenance of IS plans, analysis of organization information requirements, and prioritizing IS projects. Implications for business and technology trends and application of planning concepts to IS planning projects are examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 734 Staffing the Information Systems Function

Prerequisite: admission to the MS in Computer Information Systems program.

Focus on current and emerging issues of recruitment, selection, training, motivation, retention and evaluation of IS staff. Issues include developing job descriptions, shifting demands for staffing, performance criteria, alternative approaches to training, alternative career tracks, and the role of personality types on performance. Influence of recent trends including downsizing, outsourcing, centralization and decentralization, and end-user computing will be examined. Current theory and specific practices are studied. Practical applications will be stressed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 735 Neural Networks for Machine Learning

Artificial neural networks and how they are being used for machine learning, as applied to data analytics in the business environment. Students will be required to collect original data for neural network analysis. Different learning algorithms will be explored, including the

Genetic Algorithm. This course will lead to a graduate level paper with possibilities for publication.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CIS 736 Data Communications and Information

Prerequisite: admission to the MS in Information Technology program.

Computer network planning, including physical layout, resource requirements, and budgeting. Administration of computer networks, including managing user accounts; selecting and loading applications software; managing upgrades and enhancements; monitoring and optimizing system performance; ensuring physical and logical system security.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 738 Information System Project Management

Prerequisite: admission to the MS in Information Technology program.

Objectives and techniques of planning, organizing, and managing complex information systems development projects. The course will include a study of resources and tools available for scheduling, tracking, and measuring system development productivity.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 740 Comparative Systems Development Methodology

Prerequisite: admission to the MS in Information Technology program.

Study of various systems development methodologies used to analyze, design, and implement information systems; selection criteria for a specific methodology, and how to introduce a new methodology within an existing environment. Specific tools and techniques for systems development and for business process reengineering will be explored and applied.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 742 Management of End User Computing

Prerequisite: admission to the MS in Information Technology program.

Planning, organizing, staffing, control, and support of end user computing. Various organizational structures used to support end user computing will be investigated. Methodology for development of end user computing systems will be identified for several forms and types of projects. A case project will involve development of an end user system using an appropriate methodology.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Upon demand

CIS 744 Information Systems Management

Prerequisite: admission to the MS in Information Technology program.

Overview of managerial applications of information technology (IT) to increase effectiveness. Use of IT to support decision making, cooperative work, organizational competitive advantage, and inter-organizational communication. Various planning approaches will illustrate the use of IT in organizations. Case method will be used.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 746 Data Management

Prerequisite: admission to the MS in Information Technology program.

Study of data modeling using tools such as Entity-Relationship and Semantic Object Models. Examination of the Database Administrator's responsibilities including monitoring and tuning of the database, establishment of database reliability, and security. A case project will include the development of a data model and a database administration plan for a client/server database system.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 747 IT Legal Issues

Prerequisite: admission to the MS in Information Technology program.

Focus on the legal and ethical environment relevant to advances in technology. Issues include intellectual property, jurisdiction, defamation, invasion of privacy, electronic contracts, computer crime, censorship, unsolicited email, antitrust issues, and encryption. Recent developments, court decisions, federal and state statutes, treaties and international agreements, administrative rulings, and legal literature regarding internet law, will be explored and explained.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 748 Principles of Information Security

Prerequisite: admission to the MS in Information Technology program.

This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate

intrusion detection and reporting features. The students will learn a balance introduction to both security management and technical components of information security; they will be exposed to the spectrum of security activities, methods, methodologies, and procedures.

This spectrum includes inspection and protection of information assets, detection of and reaction to threats to information assets, and examination of pre- and post-incident procedures, technical and managerial responses and an overview of the information security planning functions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 750 Sourcing and Procurement

Prerequisite: admission to the MS in Information Technology program.

In-depth study of key factors and issues associated with hardware/software selection, acquisition and implementation. Emphasis on problem definition and analysis, comparative methodologies for evaluation and selection, identifying and qualifying vendors, and developing/evaluating request for proposals (RFP's). Management implications of enterprise-wide software solutions including software distribution, version and release management, and software standards and practices are discussed. Completion of an acquisition project will be included.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 752 Behavior and Leadership in IT

Prerequisite: admission to the MS in Information Technology program.

This course is designed to provide an understanding and appreciation of organizational behavior issues facing senior and mid-level IT managers. Topics to be examined include: organizational behavior from an individual, group and structural perspective, organizational culture, leadership, perception and decision-making values and attitudes, and emotional intelligence. The material should be of interest and benefit to IT professionals, irrespective of technical specialty, who are currently in or aspire to IT management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 754 Organizational Transformation

Prerequisite: admission to the MS in Information Technology program.

Study of interrelated economic, social, political, and technological forces requiring organizations to transform their systems and processes to survive and succeed. Students will examine a variety of typical transformations from the perspective of a work unit member and a manager of the change process.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 756 Special Topics in Information Systems

Prerequisite: admission to the MS in Information Technology program.

Variable content with topics that can change from semester to semester. Topics are identified by title in the schedule of classes. Practical applications will be stressed. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 761 Management Information Systems

Prerequisite: admission to the MBA program or permission from the MBA Program Director.

This course includes and goes beyond the typical management information system course material. It includes a macro application to the concepts, designs, and implementations of business information systems. Time is spent as well in exploring the importance of balancing technical innovation, business stewardship, and socially responsible and ethical uses of technology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CIS 762 Legal Issues in Cybersecurity

Prerequisite: CIS 660 or concurrent enrollment; and admission to the Cybersecurity program or permission.

This course provides an overview of the laws and legal processes involved in e-commerce, privacy, and intellectual property rights and cyberspace law. Risk analysis, incident response, and network forensic investigations. Objectives include recognizing the legal aspects of the security triad: confidentiality, integrity, and availability, examining the concepts of privacy and its legal protections, and being able to explain the importance of forensics examination in legal proceedings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 765 Computer Forensics

Prerequisite: CIS 660 and admission to the Cybersecurity program or permission.

This hands-on course addresses the fundamentals of computer system forensics. It will provide an overview of computer crimes, forensic methods, the role of computer forensics specialists, computer forensic evidence, and the application of forensic analysis skills. Emerging technology and future directions will be considered along with email, mobile, Window, Mac, and Linux forensics. A significant research project is required. May be taught concurrently with CIS 565. Cannot receive credit for both CIS 765 and CIS 565.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 766 Web Application Security

CIS 766 Web Application Security

Prerequisite: CIS 660 or concurrent enrollment; and admission to the Cybersecurity program or permission.

This hands-on course provides an introduction to tools and techniques used to hack web applications. Security strategies will be presented that can help to mitigate risk associated with web applications and social networking. Course objectives include analyzing the impact of the internet and web applications on the business world, the evolution of social media and social networking, analyzing common website attacks, weaknesses, and security best practices. A significant research project is required. May be taught concurrently with CIS 566. Cannot receive credit for both CIS 766 and CIS 566.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 767 Management of Information Security

Prerequisite: CIS 660 or concurrent enrollment; and admission to the Cybersecurity program or permission.

This course surveys the management of the information security function within organizations. Topics include establishing and implementing information security policies; assessing and mitigating risk associated with IT infrastructure; and planning/auditing compliance with information security policies, laws and regulations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 770 Seminar in Cybersecurity

Prerequisite: 15 hours of graduate Cybersecurity courses and permission from the Cybersecurity Program Director.

Critical evaluation and interpretation of research and literature in Cybersecurity.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 790 Seminar in Management Information Systems

Prerequisite: 15 hours of graduate business administration courses and permission from the MBA Program Director.

Critical evaluation and interpretation of research and literature in information systems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CIS 794 Internship: Computer Information Systems

Prerequisite: permission of the director of the appropriate graduate program and department head.

In consultation with the coordinating professor, the student is engaged in first-hand experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined and evaluated during the semester.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CIS 796 Independent Study-Computer Information Systems

Prerequisite: permission of advisor.

In consultation with the advisor, student selects, for intensive study, a specific area of concern related to the student's program, with emphasis on research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

CIS 797 Special Topics

Prerequisite: permission.

Study of topics in Computer Information Systems/Business Education. May be repeated to a maximum of six hours when topic varies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CIS 799 Thesis

Prerequisite: permission of instructor.

Independent research and study connected with the preparation of a thesis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

Quantitative business analysis (QBA) courses

QBA 237 Basic Business Statistics

Prerequisite: grade of C or better in MTH 135 or higher.

Collection, analysis, interpretation and presentation of data related to business, measures of central tendency and dispersion, elementary probability, probability distributions, sampling, standard error, interval estimation, hypothesis testing, regression analysis. Computer statistical packages will be utilized in analysis of a variety of applications problems. Cannot receive credit toward a degree for more than one of the following courses: AGR 330, IPE 381, MTH 340, PSY 200, QBA 237, REC 328, SOC 302.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

QBA 337 Applied Business Statistics

Prerequisite: QBA 237 or equivalent; and undergraduate business majors must be admitted to degree program.

Business application of hypothesis testing, tests of goodness of fit and independence, analysis of variance, regression analysis and correlation, nonparametric methods, time series and forecasting, statistical process control, and decision theory. Computer statistical packages will be utilized in analysis of a variety of applications problems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

QBA 600 Statistical Methods in Business Research

Prerequisite: permission of a director of a College of Business Graduate Program.

Comprehensive study of the fundamentals of statistics. Designed for graduate students who have not had an undergraduate statistics course. This course will not be counted in the hours required for a College of Business graduate degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

QBA 737 Research Design and Analysis

Prerequisite: QBA 775 or concurrent enrollment.

Advanced statistical methods for conducting research in business and economics. Discussion and application of design procedures, hypotheses formulation, data collection and data analysis. Topics include regression analysis, and analysis of variance, multivariate analysis, experimental design, nonparametric methods, etc. Computer statistical packages will be used extensively.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

QBA 775 Quantitative Methods in Business Decision Making

Prerequisite: admission to the MBA program or permission from the MBA Program Director; and QBA 600 or equivalent.

A study of quantitative methods used to improve the decision-making process in business. Major topics include constrained optimization models, forecasting models, distribution/network models, simulation models, and project scheduling.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

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Missouri State

Office of the Registrar
Undergraduate Catalog

Business Analysis

Major(s)

Business Analysis (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. College of Business Admission and Program Requirements
C. Major Requirements (30 hours)
   1. QBA 337(3)
   2. CIS 260(3), 295(3), 388(3), 389(3), 555(3), 581(3)
   3. CIS 420(3) or TCM 359(3)
   4. Complete six hours from the following: BUS 550(3), CIS 545(3), FIN 390(3), MGT 397(3), MKT 365(3), RMI 211(3), TCM 337(3), TCM 551(3)
D. General Baccalaureate Degree Requirements

Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Business Analytics

Minor(s)

Business Analytics

Bachelor of Arts

Bachelor of Science

A. CIS 295(3), 535(3), 545(3), 555(3); QBA 337(3)
B. Complete 3 hours from: CIS 429(3), ACC 341(3)

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https://www.missouristate.edu/registrar/catalog/prog-business-analytics.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Business Application Development

Minor(s)

Business Application Development

Bachelor of Arts

Bachelor of Science

A. CIS 260(3), 295(3), 388(3)
B. Complete 9 hours from: CIS 362(3), 366(3), 370(3), 466(3), 475(3), 528(3)

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https://www.missouristate.edu/registrar/catalog/prog-business-application-development.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Cybersecurity

Minor(s)

Cybersecurity

Bachelor of Arts

Bachelor of Science

CIS 235(3), 295(3), 330(3), 560(3), 564(3), 583(3)

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https://www.missouristate.edu/registrar/catalog/prog-cybersecurity.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Information Technology

Major(s)

Information Technology (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. College of Business Admission and Program Requirements
C. Major Requirements (30 hours)
    1. CIS 235(3), 260(3), 295(3), 388(3)
    2. Complete one of the following options:
        a. **Application Development:**
            1. CIS 466(3) or 475(3)
            2. Complete 9 hours from the following: CIS 362(3), 366(3), 370(3), 466(3)*, 475(3)*, 528(3)
            3. Complete 6 hours from the following: CIS 330(3), 362(3)**, 366(3)**, 370(3)**, 394(3), 397(3), 420(3), 430(3), 466(3)**, 475(3)**, 494(3), 495(3), 528(3)**, 535(3), 545(3), 555(3), 560(3), 563(3), 564(3), 581(3), 583(3)
            *if not used in a(1)
            **if not used in a(1) or a(2)
        b. **Cybersecurity:**
            1. CIS 330(3) and 430(3)
            2. Complete 12 hours from the following: CIS 560(3), 563(3), 564(3), 565(3), 566(3), 494(1-3)
        c. **IT Infrastructure:**
            1. Complete 12 hours from: the following: CIS 330(3), 430(3), 495(3), 528(3), 560(3), 583(3)
            2. Complete 6 hours from the following: CIS 330(3)*, 362(3), 366(3), 370(3), 394(3), 397(3), 420(3), 430(3)*, 466(3), 475(3), 494(3), 495(3)*, 528(3)*, 535(3), 545(3), 555(3), 560(3)*, 563(3), 564(3), 581(3), 583(3)*
            *if not used in b(1)
D. General Baccalaureate Degree Requirements

Minor(s)

Information Technology

Bachelor of Arts

Bachelor of Science

CIS 201(3), 235(3), 260(3), 295(3), 388(3), 429(3)

Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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https://www.missouristate.edu/registrar/catalog/prog-information-technology.htm

Missouri State

IT Infrastructure

Minor(s)

IT Infrastructure

Bachelor of Arts

Bachelor of Science

A. CIS 235(3), 295(3), 388(3)
B. Complete 9 hours from the following: CIS 330(3), 430(3), 495(3), 528(3), 560(3), 583(3)

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https://www.missouristate.edu/registrar/catalog/prog-it-infrastructure.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Web Application Development

Minor(s)

Web Application Development

Bachelor of Arts

Bachelor of Science

CIS 260(3), 295(3), 362(3), 370(3), 388(3), 475(3)

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https://www.missouristate.edu/registrar/catalog/prog-web-application-development.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Management

Programs

Indicates accelerated graduate program is available

Undergraduate

Entertainment Management (BS)

Entrepreneurial Studies (Minor)

Entrepreneurship (BS, Minor)

Human Resources Management/Industrial-Relations (Minor)

International Business (Minor)

International Business Studies (Minor)

International Management (Minor)

Leadership (Minor)

Management *Options: Administrative Management, Human Resources Management, International Business Administration (BS)*

Management (Minor)

Online Entrepreneurship (Certificate)

Graduate

Business Administration, Master of (MBA) Administered by the College of Business

Entrepreneurship (Certificate)

Health Administration, Master of (MHA)

Health Administration (Certificate)

International Business (Certificate)

Leadership (Certificate)

Management (Certificate)

Accreditation

AACSB International – The Association to Advance Collegiate Schools of Business – all programs.

General information

Health care management

Health Care Management courses and a Health Care Management minor are offered

Contact

Interim Department head

Jason D. DeBode, PhD

Office

Glass Hall, Room 414

Phone

through the School of Nursing.

417-836-5415

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https://www.missouristate.edu/registrar/catalog/dept_mg.html

Missouri State

Office of the Registrar
Undergraduate Catalog

Management Faculty

Professors

Dana L. Haggard, PhD

Stephen Mueller, PhD

Elizabeth J. Rozell, PhD

Wesley A. Scroggins, PhD

Steven L. Thomas, PhD

Associate professors

Vinay K. Garg, PhD

Philip C. Rothschild, PhD

Clinical associate professor

Michael W. Merrigan, MBA, JD

Assistant professors

Jason D. DeBode, PhD

Daniel D. Goering PhD

Benjamin D. Goss, EdD

Melody B. LaPreze, PhD

Feibo Shao, PhD

Kanu Priya Tapis, PhD

Senior instructor

Glenn R. Pace, MBA

Instructors

Michael A. Albritton, MA

Dana J. Frederick, MBA

Jessica L. Long, EdS

Emeritus faculty

Yohannan T. Abraham, PhD

Karen L. Brown, DBA

Mary K. Coulter, PhD

D. Keith Denton, PhD

Patricia Feltes, PhD

Kenneth Horn, EdD

Thomas H. Inman, EdD

Patricia A. Lambert, MBA

Joyce E. Lopez, MSEd

Robert O. Lunn, PhD

Mona (Casady) Niewald, PhD

Arnola C. Ownby, EdD

Peter Richardson, PhD

Robert L. Trewatha, PhD

Bobby C. Vaught, PhD

Lynn E. Wasson, EdD

Ralph W. Williams, PhD

Barry L. Wisdom, PhD

Karen Lee Woodall, EdD

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Missouri State

Management Courses

Entrepreneurship (ENT) courses

ENT 201 Launching Your New Business Online

This course provides students with exposure to the basics of creating and launching a new business online. Students will be exposed to different platforms used to launch a new business online and will understand the unique features of each platform. Additional emphasis will be placed on sourcing and listing inventory. Finally, students will learn about the history of entrepreneurship, with particular emphasis placed on the move from offline to online platforms. This course is applicable for students wanting to start a new online business and students who want to take an existing business online.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENT 202 Managing Your New Business Online

Prerequisite: ENT 201.

This course will give students the skills to innovate and meet the evolving needs of their customers. Students will learn how to establish a business-level strategy to guide their business, how to identify and respond to customers' needs. Additional emphasis will be placed on developing new products through novel and incremental innovation. Students will learn the process for launching a new product on an online platform. This course is applicable for students wanting to start a new online business and students who want to take an existing business online.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ENT 203 Leading Your New Business Online

Prerequisite: ENT 202.

This course provides students with the knowledge of how to successfully grow their business online. Students will learn how to develop the resources needed to grow their new business and how to build and lead their team for success. Additional emphasis will be placed on developing a corporate-level strategy and how to create an effective company culture. Students will learn the current trends in entrepreneurship including the trend of moving from online to offline. This course is applicable for students wanting to start a new online business and students who want to take an existing business online.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

Management (MGT) courses

MGT 211 Talent Management in Music and Entertainment

Prerequisite: 45 hours.

Introduction to the roles, knowledge, and skills helpful to the development and growth of talent in the entertainment industry. While the primary focus will be on the relationship between the personal manager and the recording artist/group in the music industry, attention will also focus on strategies for expanding opportunities across the entertainment industry.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MGT 286 Business Communications

Prerequisite: ENG 110.

Managerial business communication theory and practice that includes speaking to large groups, interacting within small groups, improving listening skills, composing messages, writing reports based on library research, making ethical decisions, and communicating with other cultures and nationalities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 300 Service Learning in Management

Prerequisite: 54 hours, concurrent registration in a management course designated as a service learning offering; and undergraduate business majors must be admitted to degree program.

This service component for an existing course incorporates community service with classroom instruction in Management to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

MGT 310 Introduction to the Entertainment Industry

Prerequisite: 54 hours; and undergraduate business majors must be admitted to degree program.

An introduction to the entertainment industry including facets unique to the field such as managerial roles and organizational structures. Topics will also include an exposure to policies, legal, social, economic, and financial characteristics of this industry.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MGT 320 Patterns of Management

Prerequisite: 54 hours.

A course designed specifically for non-business majors desiring a knowledge of management and its importance and application in various fields. Topical areas include: management functions and problems, decision-making, organizational design, managerial/non-managerial relationships, and management job opportunities. Cannot be taken for credit by students who have previously received credit for MGT 340.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 325 Fundamentals of Personnel Administration

Prerequisite: 54 hours.

This course is designed for non-business majors. Topics include principles of employee supervision, recruitment, selection, training and development, compensation, labor relations, and separation. This course will be of particular value to managerial, supervisory, administrative, professional, and technical personnel in a variety of organizational settings. Cannot be used to satisfy any requirement for a College of Business major. Cannot be taken for credit by students who have previously received credit for MGT 345.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 340 Principles of Management

Prerequisite: 54 hours, including PSY 121; and undergraduate business majors must be admitted to degree program.

A study of individual, interpersonal, and group behavior within organizations and the behavioral implications of management processes. The interaction of human, technological, structural, global, ethical, and environmental factors are also discussed. A "C" grade or better is required in this course in order to take ACC 555. Cannot be taken Pass/Not Pass. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 341 Organizational Behavior and Leadership

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.

An in-depth study of individual and organizational behaviors, processes, and leadership. Such areas as individual differences, group dynamics, organizational processes, organizational change/development, and culture and ethics will be addressed utilizing a variety of interactive teaching methods.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 342 Leading and Designing Organizations

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.

A study of the macro-organization functioning with emphasis on how organization design dimensions interrelate to effect performance. Organization dimensions studied include environment, technology, size, structure, leadership, and effectiveness.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 345 Designing, Managing and Evaluating Human Resources Management Programs

Prerequisite: MGT 340 and QBA 237; and undergraduate business majors must be admitted to degree program.

Developing competitive advantage through people by establishing strategic human resource programs including staffing, training, performance management, and compensation initiatives, with a focus on human resource metrics in decision-making and program evaluation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 384 Entrepreneurship

Prerequisite: ACC 201 and MGT 340 and MKT 350; and undergraduate business majors must be admitted to degree program.

An exposure to the dynamics of identifying opportunities and dealing with the risks of implementing new ideas and ventures. In consultation with the instructor, students assess the viability of real business ventures. Cases are referred through the Small Business Development Center. Emphasis is placed on team preparation and presentation of a feasibility study.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 394 Cooperative Education in Management

Prerequisite: acceptance into Cooperative Education Program and permission of department head; and undergraduate business majors must be admitted to degree program.

The opportunity to earn academic credit in a planned learning process that integrates academic training with supervised work experience. This is a variable content course that may be repeated to a total of 6 semester hours in Cooperative Education.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

MGT 397 Business Report Writing

Prerequisite: MGT 286; and undergraduate business majors must be admitted to degree program.

Intensive preparation in the fundamentals of writing various types of business reports. Attention given to methods of and practice in determining the purpose, planning the investigation, collecting and organizing data, interpreting findings, and making oral and written presentations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 398 Managerial Communication

Prerequisite: UHC 110 and COM 115 and ENG 221; and undergraduate business majors must be admitted to degree program.

Accelerated study of organizational communications theory and practice. Emphasis on international communication and ethics. Individual and small group development of a variety of business documents and presentations. Replaces MGT 286 and 397.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MGT 400 Topics in Management

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.

A variable content course with topics that can change from semester to semester depending upon student and faculty interests. Topics generally require previous study in management. Examples: entrepreneurship, federal regulation of personnel management, designing structure for growth organizations, computerization and human resource management, stress and time management, managing not-for-profit organizations, women in management, and management feasibility studies. May be repeated to a total of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MGT 408 Sponsorships in Entertainment and Sport

Prerequisite: undergraduate business majors must be admitted to degree program.

Study of how sponsorship is a symbiotic revenue relationship between a brand and an entertainment/sport property, including reasons for the growth of sponsorship, benefits for brands, and benefits for properties. Other concepts examined include activation, cross-promotion, sponsorship tiers, associative benefits, sponsorship sales, and evaluative techniques for sponsorships.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MGT 410 Venue Management

Prerequisite: undergraduate business majors must be admitted to degree program; Recommended: MGT 310.

Study of the management of venues such as convention centers, sports arenas, theme parks, performing arts centers, etc. Topics addressed include technical, financial, legal, risk, contracting, and political implications.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 412 Managing Events in Entertainment and Sport

Prerequisite: MGT 340 and MGT 310; and undergraduate business majors must be admitted to degree program; others by permission of instructor.

Study of the financing, management and marketing processes of various entertainment and sport events. Topics addressed include alignment of events with organizational values and mission; strategic planning of an event; cost/benefit analysis; operational effectiveness; factors involving promotion, audience, partnerships, environment, revenue and cost centers; management of an event's stakeholder groups; analysis of pre- and post-even activities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 413 Managing the Sport Enterprise

Prerequisite: MGT 340 and MGT 310; and undergraduate business majors must be admitted to degree program; others by permission of instructor.

Study of the distinct nature of the sport business and the application of planning, organizing, leading, and evaluating techniques applied to the operation of sport enterprises. Topics include the unique nature of the sport product; sport financial management principles, including cost sources and revenue streams; and the impact of sport as a social institution on the marketplace.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring, Upon demand

MGT 440 Leadership Skill Development

Prerequisite: MGT 340 and MGT 341; and undergraduate business majors must be admitted to degree program.

The focus of this course is a comprehensive review of the theories and core behaviors of leadership, with minor emphasis given to trait, behavioral, and contingency approaches and associated core leader behaviors. Emphasis will also be placed on the applications of theory to management practice. Students will develop an understanding of and skill in applying leadership behaviors to management functions, roles and activities. The course includes self-assessments of leadership style, cases, and experiential exercises.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 441 Ethical Leadership in Business

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.

This course examines the unique ethical demands of leadership and prepares students to meet these challenges. Alternative perspectives in leadership and ethics are explored and applied to emergent ethical issues facing organizations and society. The overall mission of the course is to promote ethical decision-making. The course seeks to teach students to recognize and be sensitive to moral issues, to consider such issues from multiple perspectives, to engage in a systematic and transparent analysis of alternatives, and to take individual responsibility for their decisions and ethical conduct. The course is student led and faculty facilitated, involves a significant amount of public speaking, and includes participation by various leaders from the community. The course and materials are structured around the Intercollegiate Ethics Bowl Competition and as part of the course, student teams will compete each November in the Regional Ethics Bowl Competition.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MGT 442 Selected Topics in Organizational Behavior

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.

This course will focus on major current and emerging issues in organizational behavior (OB). Issues include topics such as motivation and leadership, communications, stress and wellness programs, group dynamics, etc. A single or selected set of topics will be dealt with in any given offering of the course. Content, research findings, and practical application of major models and theories will be stressed through a variety of approaches intended to maximize student involvement. The course content will vary as demanded by student interest, faculty expertise, and environmental changes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 447 International Management

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.

A study of management principles and practices as they relate to the management of international organizations. Emphasis is placed on understanding, analyzing, and integrating managerial concepts within the context of cross-cultural settings. Cannot receive credit for both MGT 447 and MGT 747.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 450 Human Resource Development

Prerequisite: MGT 345; and undergraduate business majors must be admitted to degree program.

The design, implementation and evaluation of employee development programs. Topics covered include: training needs, analysis, learning theory, training methods, validity, and legal requirements. Specific employee development programs are discussed as they relate to executives, managers, and supervisors in organizations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	3 **Lecture contact hours**	0 **Lab contact hours**	Upon demand **Typically offered**

MGT 451 Human Resource Acquisition

Prerequisite: MGT 345; and QBA 337 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.

An in-depth study of the application of Federal and state laws and regulations to HRM practices regarding the acquisition of human resources, appropriate and effective techniques of job analysis, HR planning, recruitment, and a detailed study of techniques and procedures for ensuring valid and effective selection of employees.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 465 Managing the Human Resource Environment and Employment Relationship

Prerequisite: MGT 345; and undergraduate business majors must be admitted to degree program.

Managing the employment relationship and the environment of human resources through the study of the legal, regulatory, and contextual considerations of the work environment. Topics include labor and employment law, workplace safety and health regulation, compensation regulation, and employee rights and responsibilities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 466 Advanced Issues in Human Resources Management

Prerequisite: MGT 345 and QBA 237; and undergraduate business majors must be admitted to degree program.

An in-depth study of practical human resource management issues and the steps involved in the design and implementation of employee selection systems, training programs, and performance appraisal systems. Included are methods of job analysis and the design and utilization of appraisal forms useful to managers. Based on practical considerations, some experiential techniques are used. Recent developments relevant to human resources practices will also be covered.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 486 Administrative Communication

Prerequisite: MGT 286; and undergraduate business majors must be admitted to degree program.

Analysis of various business problem situations and development of appropriate communication strategies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MGT 487 Strategic Management and Policy

Prerequisite: 102 hours including FIN 380 and MKT 350 and MKT 364; Marketing majors may substitute MKT 450 for MKT 364; and undergraduate business majors must be admitted to degree program.

Integration of specialized areas of business administration; coordination of various business functions from the standpoint of the formulation, implementation and control of business objectives, strategies and policies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 494 Internship in Management

Prerequisite: permission of department head and for Entertainment Management majors, completion of MGT 310 or MGT 410; and undergraduate business majors must be admitted to degree program.

Opportunity to obtain simultaneously the practical as well as the theoretical knowledge through internship with cooperating businesses.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

MGT 496 Readings in Business Administration-Management

Prerequisite: permission of department head; and undergraduate business majors must be admitted to degree program.

Planned readings designed to intensify and supplement the area of management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

MGT 543 New Venture Management

Prerequisite: MGT 384; and undergraduate business majors must be admitted to degree program.

Students conduct extensive research and in-depth analysis in starting or expanding their own business venture. Major topics include new venture strategy, sources of capital, and growth management. Emphasis is placed on student preparation and presentation of a complete business plan. May be taught concurrently with MGT 643. Cannot receive credit for both MGT 643 and MGT 543.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MGT 546 Direct Compensation System Management

Prerequisite: MGT 345; and QBA 337 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.

Development and management of job-based and individual-based pay systems using job evaluation, skill/competency analysis and certification, wage surveys, and related techniques. The development of performance appraisal systems and the creation of individual-

certification, wage surveys, and related techniques. The development of performance appraisal systems and the creation of individual based, team-based, and aggregate performance-based pay systems are studied with emphasis on the strategic aspects of pay, internal

consistency, external competitiveness, and legal compliance. May be taught concurrently with MGT 646. Cannot receive credit for both MGT 646 and MGT 546.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MGT 560 History of Management Thought

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.

Background and interrelationship of classical, behavioral science, systems and quantitative management schools of thought; works of major contributors to contemporary management concepts, practices and theory. May be taught concurrently with MGT 680. Cannot receive credit for both MGT 680 and MGT 560.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 561 Practicum in Small Business Operations

Prerequisite: MGT 384; and undergraduate business majors must be admitted to degree program.

Students solve real problems within the small business environment. Students gain first-hand experience in assessing and improving the operations of existing entrepreneurial firms. Cases are referred through the Small Business Development Center. May be taught concurrently with MGT 671. Cannot receive credit for both MGT 671 and MGT 561.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MGT 596 Research Issues and Problems: Management

Prerequisite: 90 hours; and permission of department head; and undergraduate business majors must be admitted to degree program.

Research issues and projects growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. Undergraduates only may repeat to a total of 6 hours. May be taught concurrently with MGT 697. Cannot receive credit for both MGT 697 and MGT 596.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MGT 600 Administrative, Organizational and Operations Concepts for Managers

Prerequisite: permission of a director of a College of Business graduate program.

Comprehensive study of the fundamentals of the management function, organizational behavior and design, and production and operations management. Designed for graduate students who have not had undergraduate courses in management or organizational behavior and operations management. This course will not be counted in the hours required for a College of Business graduate degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 643 New Venture Management

Students conduct extensive research and in-depth analysis in starting or expanding their own business venture. Major topics include new venture strategy, sources of capital, and growth management. Emphasis is placed on student preparation and presentation of a complete business plan. May be taught concurrently with MGT 543. Cannot receive credit for both MGT 543 and MGT 643.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MGT 646 Direct Compensation System Management

Development and management of job-based and individual-based pay systems using job evaluation, skill/competency analysis and certification, wage surveys, and related techniques. The development of performance appraisal systems and the creation of individual-based, team-based, and aggregate performance-based pay systems are studied with emphasis on the strategic aspects of pay, internal consistency, external competitiveness, and legal compliance. May be taught concurrently with MGT 546. Cannot receive credit for both MGT 546 and MGT 646.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MGT 671 Practicum in Small Business Operations

Students solve real problems within the small business environment. Students gain first-hand experience in assessing and improving the operations of existing entrepreneurial firms. Cases are referred through the Small Business Development Center. May be taught concurrently with MGT 561. Cannot receive credit for both MGT 561 and MGT 671.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MGT 680 History of Management Thought

Background and interrelationship of classical, behavioral science, systems and quantitative management schools of thought; works of major contributors to contemporary management concepts, practices and theory. May be taught concurrently with MGT 560. Cannot receive credit for both MGT 560 and MGT 680.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 697 Research Issues and Problems: Management

Prerequisite: permission of department head.

Research issues and projects growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be taught concurrently with MGT 596. Cannot receive credit for both MGT 596 and MGT 697.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MGT 701 Health Services Organization

Introduction to the health services delivery system. Analysis of the organizing, financing, and distribution of health services. Alternate delivery systems such as hospitals, acute care facilities, long-term facilities, prepaid practices, fee-for-services group practices and others are examined. Forces shaping present and future health care are evaluated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 702 Managing Healthcare Organizations

A broad overview of techniques and practices applied to managing healthcare provider organizations at levels including governing board; professional staff; executive offices; and operational systems that deliver acute care, rehabilitation, diagnosis, therapy, ambulatory care, clinical information, clinical support, patient access, facilities and nutrition services. Organizational settings will include hospitals; physician practices; integrated health systems; rehabilitation and sub-acute facilities; behavioral medicine; long-term care; hospice; and home health. Course format will include a series of guest presentations from actively practicing, senior healthcare executives, along with visits to healthcare organizations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MGT 703 Health Law and Ethics

This course will provide students with in-depth knowledge and understanding of legal and ethical issues facing healthcare managers. Statutory and common law legal doctrines applicable to hospitals, physicians, health systems and organizations, including current court decisions, Office of Inspector General and Internal Revenue Service determinations will be included. The course will touch on many legal and ethical subjects, including professional and institutional liability, provider-patient relationships, employment laws and sexual harassment, compliance-related areas that include Stark regulations, end-of-life care, physician-assisted suicide, and individual patient rights.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MGT 704 Human Resources in Healthcare Organizations

Integration of human resources management into the strategic and operational decision-making processes of a contemporary healthcare organization. Functional topics include HR strategic planning, HR legal environment, direct and indirect compensation strategies, recruitment/selection/retention, workforce planning, job design and analysis, performance management, productivity analysis, workforce development/training, employee/labor and stakeholder relations and safety/health considerations. Particular consideration for HR concepts related to clinical professionals and physicians.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MGT 705 Strategic Management of Healthcare Organizations

Prerequisite: 18 graduate hours in health administration, including FIN 788.

Integration of the functional areas of healthcare organizations via the strategic planning process. Emphasis is placed upon the identification of major strategic processes for healthcare organizations as well as policy issues related to the current and anticipated future healthcare environment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MGT 706 Organizational Communication

Intensive study of communication behavior within various types of business organizations; provides student opportunities to develop communication skills further and to apply one's capacity to use effective organizational communication concepts through written and oral presentations. Emphasis upon the study of oral communication within business.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MGT 711 Measurement and Management of Quality in Health Care

Design, implementation, and management of health quality systems. Major emphasis placed on controlling health care costs through a reduction of waste and defects. Exposure to a variety of quality tools and quantitative techniques aimed at measuring performance and fostering continuous improvement.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 747 International Management

Prerequisite: admission to the MBA program or permission from the MBA Program Director; and MGT 600 or equivalent.

A study of management theory and practices as related to international organizations that are multinational in nature. Emphasis is placed on analyzing, understanding, and integrating managerial concepts as they apply to cross-cultural settings. Students are required to complete a research project. Cannot receive credit for both MGT 447 and MGT 747.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 760 Selected Topics in Management

Variable topics course in Management. Areas studied will be announced each semester in the class schedule. Course requirements include extensive readings, a paper, and, when appropriate, field trips.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 761 Operations Management: Comparative Theory and Practice

Advanced study of the operations function in organizations. Emphasis is placed on operations management, planning and controlling techniques as they apply to all types of domestic and international organizations. Cost output-profit decisional techniques and productivity issues are studied as they relate to managerial goals, environmental conditions, and economic developments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 762 Problems in Human Resources Management and Industrial Relations

Prerequisite: MGT 600 or equivalent.

Intensive examination of the institutional, legal, and policy considerations of the parties involved in human resources management and labor relations with an emphasis on current issues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 764 Organizational Behavior and Leadership

Prerequisite: admission to the MBA program or permission from the MBA Program Director; and MGT 600 or equivalent.

Study of individual and group behavior viewed from a managerial perspective within the organizational setting. Attention is focused on applications by managers of theory and research about the interaction between human beings and the formal organization, with emphasis on individual differences, interpersonal relations, and small group dynamics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 765 Organization Structure and Design

An intensive macro approach to the study of the organization with emphasis on the interrelationships of organizational dimensions as they interact to effect organization design. Topics covered include environment, technology, work flows, structure, size, power, objectives, managerial philosophies, and effectiveness.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 767 Organization Strategy and Policy

Prerequisite: admission to the MBA program or permission from the MBA Program Director; 18 graduate hours in business administration and economics at the 700 level, including FIN 780 and MKT 772.

Integration of the functional areas of business via the strategic planning process. Emphasis is placed upon the formulation, implementation, and control of an organization's mission, objectives, strategies, and policies as determined by external and internal analyses.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 770 Leadership Development

Prerequisite: MGT 764.

Comprehensive review of the writings and theories of leadership. Focuses on building skills to inspire and organize people to achieve tangible results. Comprehensive self-assessments, experiential exercises, action learning projects, and individually tailored skill-improvement plans.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 790 Seminar in Management

Prerequisite: 15 hours of graduate business administration courses and permission from the MBA Program Director.

Critical evaluation and analysis of theory, research and practice in management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MGT 794 Internship: Management

Prerequisite: permission of the director of the appropriate graduate program and department head.

In consultation with the coordinating professor, the student is engaged in first-hand experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined and evaluated during the semester.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MGT 796 Independent Study: Business Administration

Prerequisite: permission of advisor.

In consultation with the advisor, student selects for intensive study a specific area of concern related to the student's program with emphasis on research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall

MGT 799 Thesis

Prerequisite: permission.

Independent research and study connected with preparation of thesis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

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Missouri State

Entertainment Management

Major(s)

Entertainment Management (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. College of Business Admission and Program Requirements
C. Major Requirements (32-33 hours)
   1. MGT 310(3), 345(3), 410(3), 412(3), 494(3), ACC 311(3), LAW 335(2) or 532(3)
   2. Complete 12 hours from the following: MGT 211(3), 300(1), 400(1), 408(3), 413(3), 465(3), BUS 550(3) or LAW 550(3), COM 439(3), FIN 266(3), RY 310(3), GRY 429(3), MKT 352(3), MKT 367(3), MKT 368(3), MKT 410(3), MUS 216(3), MUS 316(3), MUS 362 or 375 or 376 or 393(1), MUS 529(3), REC 305(1), REC 320(3), RMI 415(3), THE 150(2), THE 250(2) or 255(2), THE 354(3)
D. General Baccalaureate Degree Requirements

Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Entrepreneurial Studies

Minor(s)

Entrepreneurial Studies

Bachelor of Science

A. ACC 201(3); FIN 350(3); MGT 340(3), 384(3); MKT 350(3)
B. Complete two courses from: BUS 510(3); LAW 231(3); MGT 341(3), 345(3); MKT 352(3) or 354(3) or 355(3)

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Missouri State

Office of the Registrar
Undergraduate Catalog

Entrepreneurship

Major(s)

Entrepreneurship (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. College of Business Admission and Program Requirements
C. Major Requirements (29-30 hours)
    1. FIN 390(3) or ACC 311(3); MGT 341(3), 345(3), 384(3), 543(3), 561(3); MKT 352(3) or 354(3) or 355(3)
    2. Complete 8-9 hours from the following: BUS 510(3), LAW 335(2), MGT 447(3), MKT 367(3), MKT 368(3), MKT 474(3), TCM 458(3), TCM 511(3)
D. General Baccalaureate Degree Requirements

Minor(s)

Entrepreneurship

Bachelor of Science

A. FIN 390(3) or ACC 311(3); MGT 345(3), 384(3), 543(3)
B. Complete 6 hours from: BUS 510(3); MGT 341(3), 447(3), 561(3); MKT 352(3) or 354(3) or 355(3); MKT 367(3)

Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Human Resources Management/Industrial-Relations

Minor(s)

Human Resources Management/Industrial-Relations

Bachelor of Arts

Bachelor of Science

A. MGT 340(3), 345(3), 465(3)
B. One of the following statistics courses: AGR 330(3), MTH 340(3), PSY 200(3), QBA 237(3), REC 328(3), or SOC 302(3)
C. Complete one course from: MGT 341(3), 342(3), 450(3), 451(3); ECO 310(3); PSY 529(3); RMI 314(3)

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Missouri State

Office of the Registrar
Undergraduate Catalog

International Business

Minor(s)

International Business

Bachelor of Arts

Bachelor of Science

Restriction

This minor is only available to students majoring in business.

Requirements

1. MGT 345(3); MGT 447(3) or MKT 474(3)
2. Foreign Language: Complete six hours in one language.
3. Complete one College of Business International Study Away program.

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https://www.missouristate.edu/registrar/catalog/prog-international-business-minor.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

International Business Studies

Minor(s)

International Business Studies

Bachelor of Arts

Bachelor of Science

Restriction

This minor is only available to students not majoring in business.

Requirements

A. MGT 340(3), 447(3); MKT 350(3), 474(3)
B. Complete 3 hours from the following: ANT 303(3), 320(3), 330(3), 335(3); COM 360(3); FRN 326(3), 335(3), 414(3), 415(3); GRM 325(3); GRY 100(3), 305(3), 308(3), 320(3), 321(3), 323(3), 397(1-3); HST 103(3), 104(3), 340(3), 350(3), 353(3), 355(3), 361(3), 371(3), 380(3), 381(3), 559(3), 571(3), 587(3), 588(3), 597(1-3); LAW 539(3); LLT 215(3), 225(3); MCL 303(3); PHI 314(3); PLN 597(1-5); PLS 205(3), 232(3), 338(3), 544(3), 545(3), 547(3), 548(3), 550(3); SOC 380(3); SPN 325(3), 326(3).
C. Completion of one College of Business International Study Away program.

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https://www.missouristate.edu/registrar/catalog/prog-international-business-studies-minor.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

International Management

Minor(s)

International Management

Bachelor of Arts

Bachelor of Science

A. ACC 201(3); ECO 155(3); MGT 340(3); MGT 447(3) or MKT 474(3); MKT 350(3)
B. Complete one course (not taken as part of above) from: ECO 565(3); FIN 582(3); MGT 447(3); MKT 474(3)

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Missouri State

Office of the Registrar
Undergraduate Catalog

Leadership

Minor(s)

Leadership

Bachelor of Science

MGT 340(3), 341(3), 342(3), 440(3), 441(3)

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Missouri State

Office of the Registrar
Undergraduate Catalog

Management

Major(s)

Management (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. College of Business Admission and Program Requirements
C. Major Requirements: Complete one of the following options:
    1. **Administrative Management:**
        a. ACC 311(3); MGT 341(3), 342(3), 345(3), 440(3), 465(3); QBA 337(3)
        b. Complete one course from: LAW 335(2); MGT 384(3), 397(3), 442(3), 447(3); MKT 367(3), 368(3)
    2. **Human Resources Management:**
        a. ACC 311(3); MGT 341(3), 345(3), 450(3) or 451(3), 465(3), 546(3); QBA 337(3); RMI 314(3)
        b. Complete one course from: ECO 310(3); MGT 410(3), 447(3), 466(3)
    3. **International Business Administration:**
        a. MGT 345(3), 447(3), MKT 474(3)
        b. Foreign Language: Choose a language for a minimum of 12 hours. International students whose native language is not English may be waived from the language requirement subject to the following:
            1. The student is a graduate of a secondary school in their home country.
            2. The waiver will not result in a reduction of the total credit hours required toward the degree.
            3. International students seeking this waiver may substitute 12 hours from Political Science, Public Administration, International Relations, Linguistics, Anthropology, Communication, History or Religious Studies.
        c. Complete two courses from: MKT 464(3), FIN 582(3), FIN 586(3), LAW 539(3), ACC 506(3), ECO 565(3), or additional foreign language course.
        d. Complete three courses from: MGT 341(3), 342(3), 384(3), 400(3), 440(3)
        e. Completion of a minimum of six continuous weeks of approved international experience. International students whose native language is not English may substitute a Domestic Study Away or Domestic Internship experience for the international experience.
D. General Baccalaureate Degree Requirements

Minor(s)

Management

Bachelor of Arts

A. ACC 201(3); ECO 155(3); MGT 340(3)
B. Complete three courses from: MGT 325 or 345(3); 341(3), 342(3), 384(3), 560(3), 561(3); MKT 364(3), 367(3), 368(3)

Management

Bachelor of Science

A. ACC 201(3), 211(3); ECO 155(3); MGT 340(3)
B. Complete three courses from: MGT 341(3), 342(3); 325 or 345(3), 384(3), 546(3)
C. Complete two courses from: MGT 560(3), 561(3); MKT 364(3), 367(3), 368(3)

Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Health Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Health Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Online Entrepreneurship Certificate

Online Entrepreneurship

This certificate will help students develop the needed skills to create, launch, sustain, and grow their own business online. The MGT 400 requirement that students take a project-based, discipline-specific course is intended to give students the opportunity to develop products in their area of expertise. This allows students to customize the certificate to suit their particular interests and needs. This certificate is applicable for students who want to start a new online business and those who want to take an existing business online.

Program requirements (12 hours)

1. ENT 201(3), 202(3), 203(3); MGT 400(3)
2. All candidates must satisfy the General University Certificate Requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Marketing

Programs

Indicates accelerated graduate program is available

Undergraduate

Advertising and Promotion (Minor)

International Marketing (Minor)

Marketing (BS, Minor)

Marketing Research (Minor)

Selling (Minor)

Supply Chain, Logistics and Operations Management (BS, Minor)

Graduate

Business Administration, Master of (MBA) Administered by the College of Business

Marketing (Certificate)

Accreditation

AACSB International – The Association to Advance Collegiate Schools of Business – all programs

Contact

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Missouri State

Office of the Registrar
Undergraduate Catalog

Marketing Faculty

Professors

Ismet Anitsal, PhD

Charles M. Hermans, PhD

Allen D. Schaefer, PhD

Christina S. Simmers, PhD

Associate professors

Ronald A. Clark, PhD

G. Alexander Hamwi, PhD

Assistant professors

Josh Coleman, PhD

Wesley Friske, PhD

Jamie Grigsby, PhD

Dennis Jamrose, PhD

LinDa Li, PhD

Rebecca Rast, MBA

Jenifer Skiba, PhD

Senior instructors

Sherry J. Cook, MBA

Courtney R. Pham, MBA

Instructors

David D. Hammons, MBA

Carly C. Pierson, MBA

Emeritus faculty

T. Sam Brown, PhD

Melissa S. Burnett, PhD

Mary H. Chin, MBA

Ronald L. Coulter, PhD

Christopher H. Ellis, MBA

Peggy S. Gilbert, MBA

Corinne M. Karuppan, PhD

Nancy K. Keith, PhD

Robert H. Luke, PhD

R. Stephen Parker, DBA

Janice E. Parmley, MA

Charles E. Pettijohn, DBA

Lois M. Shufeldt, PhD

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Missouri State

Marketing Courses

Marketing (MKT) courses

MKT 150 Marketing Fundamentals

A survey of marketing designed to serve various groups of students - those from other colleges/departments who would like to develop a broad understanding of marketing, those who are undecided about a major and would like to explore marketing as a possibility; and those who desire to take a contemporary marketing course to assist them in their present career path. Cannot be taken for credit by students who have previously received credit for MKT 350.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 300 Service Learning in Marketing

Prerequisite: 30 hours and concurrent registration in a marketing course designated as a service learning offering; and undergraduate business majors must be admitted to degree program.

This service component for an existing course incorporates community service with classroom instruction in Marketing to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

MKT 350 Principles of Marketing

Prerequisite: 54 hours and PSY 121; and undergraduate business majors must be admitted to degree program.

Structure, functions, principles and methods employed in discovering and translating consumer needs and wants into product and service specifications and then transferring these goods and services from producers to consumers or users.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 351 Consumer Market Behavior

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.

Influence of cultural, social, and psychological factors on consumer and customer behavior evidenced through behavioral science research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 352 Personal Selling

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.

This course teaches the Principles of Sales as a toolkit, which in addition to being useful to a salesperson will also be found useful by most people in everyday life. Students will learn the nuts and bolts of a sales call from start to finish, as well as different customers that will be encountered, different kinds of relationships, ethics, communication skills and adaptive selling. Students will have the opportunity to apply what they have learned during the semester by participating in mock sales calls with salespeople from the community.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 354 Principles of Advertising

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.

Advertising roles, principles and procedures; development of creative strategies, media selection-including traditional media as well as nontraditional media, social networking, guerrilla, online, promotion, mobile, and event-basic design, layout and copy development; measures of advertising effectiveness. Includes the development of an integrated campaign.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 355 Principles of Retailing

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.

The application of retailing principles to real-world issues. Students are challenged to solve retailing scenarios using an "experience-based" format.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MKT 360 Marketing Research

Prerequisite: MKT 350 and QBA 337; and undergraduate business majors must be admitted to degree program.

Basic research techniques designed to introduce the student to modern research procedures and the research process. Emphasis placed on research techniques to collect, analyze, and interpret research information as a basis for improved decision-making; and for the development of marketing strategies and policies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 364 Operations Management

Prerequisite: MGT 340; nonbusiness majors QBA 237 or equivalent; and undergraduate business majors must be admitted to degree program.

Exploration of competitive priorities to improve performance in a variety of business environments. Application of analytical tools to manage processes and projects within and across business functions. Flexible content to reflect trends in the occupational marketplace.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 365 Introduction to Logistics

Prerequisite: MKT 350 and MGT 340; and undergraduate business majors must be admitted to degree program.

Analysis of the activities and decisions necessary to plan, implement and control private and public physical distribution and transportation channel systems. Emphasis on physical, human, informational and organizational system components.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 367 Purchasing and Supply Management

Prerequisite: MKT 364; and undergraduate business majors must be admitted to degree program.

A study of the processes and problems involved in acquiring and controlling materials and services required for operations management in business, industry, and government. Includes source selection, quality and quantity control, value analysis, and negotiation and legal consideration.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MKT 368 Supply Chain and Operations Modeling

Prerequisite: QBA 337; and MKT 364 or MKT 365 or MKT 450; and undergraduate business majors must be admitted to degree program.

Emphasis will be on application and development of quantitative modeling techniques for the analysis of decision problems encountered in supply chain and operations management. Applications include transportation models, network and location models, aggregate planning

supply chain and operations management. Applications include transportation models, network and location models, aggregate planning models, inventory management, and queueing models.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 380 Creative Advertising

Prerequisite: MKT 354; and undergraduate business majors must be admitted to degree program.

An advanced course in the creation of broadcast and print advertising. Emphasizes strategic planning, developing creative concepts and assistance in writing and polishing copy and visuals within an ad, execution of finished product, and refining presentation skills.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MKT 390 Promotion Management and Implementation

Prerequisite: MKT 354; and undergraduate business majors must be admitted to degree program.

A study of the promotional mix. Attention is focused on sales promotion, its design and implementation; including research, planning, target market assessment, budgeting, vehicle selection, and measures of efficiency and effectiveness. Topics include the buying and selling of mix elements, both traditional and non-traditional.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 394 Cooperative Education in Marketing

Prerequisite: acceptance into Cooperative Education Program and permission of the department head; and undergraduate business majors must be admitted to degree program.

The opportunity to earn academic credit in a planned learning process that integrates academic training with supervised work experience. This is a variable content course that may be repeated to a total of 6 semester hours in Cooperative Education.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

MKT 410 Services Marketing

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.

An advanced look at modern marketing theory and practice in the services industries which comprise over 90 percent of marketing jobs in the 21st century. Specifically, the course examines the marketing of services and provides students with marketable managerial tools for securing and succeeding at jobs in the modern economy. Topics include the unique characteristics of services, service quality, customer relationship marketing, service blueprinting, service dominant logic, service expectations, service performance, and co-creation of service quality. Through theory and applied examples the student will learn cutting edge marketing principles, techniques and tools.

quality. Through theory and applied examples the student will learn cutting edge marketing principles, techniques and tools.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 450 Supply Chain Management and Sustainability

Prerequisite: MKT 350 or BUS 510; and undergraduate business majors must be admitted to degree program.

This course emphasizes the adoption of a supply chain orientation to achieve competitive advantage and value creation through efficient and effective inter-firm buyer/seller relationships and logistical processes. In addition to traditional supply chain management topics the course will emphasize social, economic and environmental dimensions of sustainability throughout all aspects of the course including: raw materials, procurement, production, transportation, packaging, distribution, marketing, facilities location and retail store design.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 451 Advanced Selling

Prerequisite: MKT 352; and undergraduate business majors must be admitted to degree program.

Advanced Selling is designed for the serious sales student. Concepts discussed in MKT 352 will be applied during this course. In addition, the course will delve into issues in selling and sales management that will impact their future in these positions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 452 Sales Management

Prerequisite: MKT 352; and undergraduate business majors must be admitted to degree program.

This course is designed to prepare students for a sales management position. Students will learn what information and resources are necessary to create and maintain a successful sales force. In addition, students will learn how to measure and influence performance, how to motivate salespeople, proper recruitment, selection and training techniques, compensation strategies and current trends in sales management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 455 Advanced Retailing Practices

Prerequisite: MKT 355; and undergraduate business majors must be admitted to degree program.

An advanced study of retail buying practices, resident buying offices, domestic and foreign markets, fashion, promotion, color dynamics, display, inventory control, store location, customer services, pricing, sales projection, and research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MKT 456 Advanced Advertising

Prerequisite: MKT 354; and undergraduate business majors must be admitted to degree program.

Further develops skills in all aspects of advertising/promotion strategy and design. Includes overall campaign development. Explores careers in integrated marketing communications. Additional emphasis on business to business promotion, events marketing, and presentation skill development. Includes one or more service learning campaigns.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 460 Logistics and Supply Chain Strategy

Prerequisite: MKT 450; and undergraduate business majors must be admitted to degree program.

This course requires the students to integrate concepts learned throughout their academic experience into a combined analysis of current events and the completion of a corporate project or case study. Analysis of comprehensive cases incorporating strategic and tactical decisions throughout the entire supply chain management process is required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 464 International Logistics and Global Supply Chain Management

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.

Principles of logistics activities in international business with special emphasis on transportation, global sourcing, customs issues, import-export opportunities, customs documentation, the role of government in international transactions, customer service, and global supply chain management. Special emphasis is placed on current events and their effect on the marketing and logistics activities of organizations. Cannot receive credit for both MKT 464 and MKT 764.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MKT 472 Advanced Marketing

Prerequisite: MKT 351 and MKT 360; and undergraduate business majors must be admitted to degree program.

An analysis of the marketing concepts, functions, and principles involved in planning, implementing, and evaluating the total marketing program of various organizations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 474 International Marketing

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.

This course investigates the cultural impact on markets and institutions affecting international trade. Students will study cross-cultural comparisons of attitudes and beliefs about marketing practices and products. The course provides an in-depth look into the effects of culture, business climate and business practices on each of the elements of marketing to provide an awareness of differences in markets and consumer behavior. Marketing management, competitiveness, sustainability and negotiation applications are discussed throughout the course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 476 Futuristics: Business and Society

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.

This course compares and analyzes the diverging views of an "economy of abundance" versus that of an "economy of scarcity." Major emphasis is directed toward predicting future changes in and the impact on the nature of firm, consumer life-styles, and society in general.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MKT 480 Advertising Campaigns

Prerequisite: MKT 350 and MKT 354 and MKT 456 and permission; and undergraduate business majors must be admitted to degree program.

Advanced advertising techniques are applied to the formation of a comprehensive advertising campaign while working in an advertising agency-like atmosphere. Presentation(s) of the campaign will be made formally to students, faculty, and advertising executives, and may culminate in participation at the annual competition of the American Advertising Federation (AAF).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MKT 485 Marketing Yourself

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.

A participative course designed to provide students with information regarding the skills necessary to succeed in their professional career.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Fall, Spring

MKT 494 Executive Internship-Marketing

Prerequisite: permission of the department head; and undergraduate business majors must be admitted to degree program.

Opportunity to obtain simultaneously the practical as well as the theoretical knowledge through internship with cooperating business executives. May be repeated to a total of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

MKT 496 Readings in Business Administration-Marketing

Prerequisite: permission of the department head; and undergraduate business majors must be admitted to degree program.

Planned readings designed to intensify and supplement the study of marketing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring

MKT 497 Topics in Marketing

Prerequisite: MKT 350 and permission of the department head; and undergraduate business majors must be admitted to degree program.

A variable content course, with topics that can change from semester to semester depending upon student and faculty interests. Topics generally require previous study in marketing. Examples: marketing of professional services, marketing of not-for-profit organizations, international marketing research, industrial marketing, physical distribution, sales forecasting, and legal issues of marketing. May be repeated to a total of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MKT 510 E-Marketing

Prerequisite: BUS 510 or MKT 354 or MKT 355; and undergraduate business majors must be admitted to degree program.

An examination of the concepts, strategies, and applications involved in Electronic Marketing, including use of the web, electronic mail, and other direct response advertising media for conducting e-Business. May be taught concurrently with MKT 610. Cannot receive credit for both MKT 610 and MKT 510.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 515 Contemporary Issues in Advertising/Promotion

Prerequisite: MKT 350 and MKT 354; and undergraduate business majors must be admitted to degree program.

This course will develop problem-solving and strategic planning skills as they relate to contemporary issues in advertising. Specific topics covered will vary depending on the current issues occurring during the course. Case studies and contemporary readings will replace the traditional marketing textbook. In-class discussion, participation, and application will complement traditional lectures. May be taught concurrently with MKT 615. Cannot receive credit for both MKT 515 and MKT 615.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 565 Business Process Management

Prerequisite: MKT 364; and undergraduate majors must be admitted to degree program.

An in-depth analysis of business processes from an operations perspective. Study of specific practices and tools to design, improve, and support these processes in a variety of organizational settings. Use of professional BPM software is emphasized. May be taught concurrently with MKT 675. Cannot receive credit for both MKT 565 and MKT 675.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MKT 570 Advanced Marketing Research

Prerequisite: MKT 350 and MKT 360; and undergraduate business majors must be admitted to degree program.

Modern research techniques; problems of marketing and the use of research techniques; problems of marketing and the use of research information as a basis for establishing marketing policies and strategy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MKT 596 Research Issues and Problems: Marketing

Prerequisite: MKT 360 and permission of the department head; and undergraduate business majors must be admitted to degree program.

Research issues and projects growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

MKT 600 Marketing Concepts for Managers

MKT 600 Marketing Concepts for Managers

Prerequisite: permission of a director of a College of Business Graduate Program.

Comprehensive study of the fundamentals of marketing. Designed for graduate students who have not had an undergraduate course in marketing. Will not be counted in the hours required for a College of Business graduate degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 610 E-Marketing

Prerequisite: MKT 600 or MKT 772; and BUS 610.

An examination of the concepts, strategies, and applications involved in Electronic Marketing, including use of the web, electronic mail, and other direct response advertising media for conducting e-Business. May be taught concurrently with MKT 510. Cannot receive credit for both MKT 510 and MKT 610.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 615 Contemporary Issues in Advertising/Promotion

Prerequisite: MKT 350 or MKT 600 or equivalent.

This course will develop problem-solving and strategic planning skills as they relate to contemporary issues in advertising. Specific topics covered will vary depending on the current issues occurring during the course. Case studies and contemporary readings will replace the traditional marketing textbook. In-class discussion, participation, and application will complement traditional lectures. May be taught concurrently with MKT 515. Cannot receive credit for both MKT 615 and MKT 515.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 670 Seminar in Marketing Research

Prerequisite: 15 hours of graduate business administration courses including MKT 772 and permission from the MBA Program Director.

Designed to enable students through first-hand experience to understand the various parts of research papers, methods of gathering data, appropriate tests of information, and interpretation of findings, including implications for further study.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MKT 675 Business Process Management

An in-depth analysis of business processes from an operations perspective. Study of specific practices and tools to design, improve, and

An in-depth analysis of business processes from an operations perspective. Study of specific practices and tools to design, improve, and support these processes in a variety of organizational settings. Use of professional BPM software is emphasized. May be taught concurrently with MKT 565. Cannot receive credit for both MKT 675 and MKT 565.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MKT 730 Logistics and Transportation

Prerequisite: MKT 600 or equivalent.

This course introduces students to the concepts and terminology associated with the planning and management of logistics activities. The course investigates introductory decisions in inventory management, warehousing, transportation, customer service, performance measurement, and others.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 740 Supply Chain Models and Systems

Prerequisite: MKT 730.

This course addresses concepts, techniques and systems used in supply chain management and decision support. Specific areas include ERP systems, manufacturing planning and management techniques and systems, inventory management, warehouse layout, distribution management, routing and scheduling, process analysis, network analysis and the application of simulation and optimization techniques.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MKT 750 Supply Chain Management Seminar

Prerequisite: 15 hours of graduate business administration courses and permission from the MBA Program Director.

This course emphasizes the adoption of a supply chain orientation toward business and the need for more effective inter-firm relationships and operational processes. The course incorporates analyses of comprehensive cases involving strategic and tactical decisions throughout product and service supply chains in a domestic and global environment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MKT 760 Logistics and Supply Chain Management

Prerequisite: MKT 740 or MKT 750.

This course serves as a capstone experience involving actual company projects, a comprehensive supply chain simulation exercise, and the identification and discussion of current events in logistics and supply chain management. Class sessions are augmented by discussions of

identification and discussion of current events in logistics and supply chain management. Class sessions are augmented by discussions of current events involving logistics and supply chain management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MKT 764 International Logistics and Global Supply Chain Management

Prerequisite: admission to the MBA program or permission from the MBA Program Director; and MKT 600 or equivalent.

Theory and practice of logistics activities in international business with special emphasis on transportation, global sourcing, customs issues, import-export opportunities, customs documentation, the role of government in international transactions, customer service, and global supply chain management. Special emphasis is placed on current events and their effect on the marketing and logistics activities of organizations. Cannot receive credit for both MKT 764 and MKT 464.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MKT 772 Marketing Management

Prerequisite: admission to the MBA program or permission from the MBA Program Director; and MKT 600 or equivalent.

Theoretical bases of marketing concepts, principles and strategies; development, acceptance and expected future direction of emerging marketing practices.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 774 International Marketing

Prerequisite: admission to the MBA program or permission from the MBA Program Director; MKT 600 or equivalent.

Advanced management, theory, and analysis of marketing functions in a multinational context where the parameters differ from those of domestic marketing. Students are required to complete a research project in the course area. Cannot receive credit for both MKT 774 and MKT 474.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 776 Futuristics: Business and Society

Prerequisite: MKT 600 or equivalent.

This course compares and analyzes the diverging views of an "economy of abundance" versus that of an "economy of scarcity." Major emphasis is directed toward predicting further changes in and the impact on the nature of firm, consumer life-styles, and society in general. Students are required to complete a research project in the course area.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MKT 790 Seminar in Marketing

Prerequisite: 15 hours of graduate business administration courses and permission from the MBA Program Director.

Critical evaluation and analysis of theory, research, and practice in marketing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MKT 794 Internship: Marketing

Prerequisite: permission of director of the appropriate graduate program and department head.

In consultation with the coordinating professor, the student is engaged in first-hand experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined and evaluated during the semester.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MKT 796 Independent Study: Marketing

Prerequisite: MKT 670 and permission of department head.

In consultation with coordinating professor, student selects a specific area of emphasis (related to the degree program) for a significant, in-depth study, with particular emphasis on research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

MKT 799 Thesis

Prerequisite: permission of department head.

Independent research and study connected with preparation of thesis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Advertising and Promotion

Minor(s)

Advertising and Promotion

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science

A. MKT 350(3), 351(3), 354(3), 456(3)
B. Complete two courses from: ART 100(3) or ART 110(3) or ENG 373(3); MKT 352(3), 380(3), 480(3), 515(3)

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Missouri State

Office of the Registrar
Undergraduate Catalog

International Marketing

Minor(s)

International Marketing

Bachelor of Arts

Bachelor of Science

A. MKT 350(3), 474(3); MGT 340(3), 447(3)
B. Complete one course from: ACC 506(3); ECO 346(3), 565(3), FIN 582(3); MKT 464(3)

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Missouri State

Office of the Registrar
Undergraduate Catalog

Marketing

Major(s)

Marketing (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. College of Business Admission and Program Requirements
C. Major Requirements
    1. MKT 351(3), 360(3); 464(3) or 474(3), 472(3); QBA 337(3)
    2. Complete one of the following options:
        a. **Advertising and Promotion:**
            1. MKT 354(3); 380(3) or 515(3); 456(3)
            2. Complete two of the following: MKT 352(3); MKT 380(3) or 515(3) if not taken to fulfill requirement No. 1 above; MKT 480(3); ART 100(3) or ART 110(3) or ENG 373(3)
        b. **Marketing Management:**
            1. MKT 352(3), 365(3); MGT 397(3)
            2. Complete two of the following: MKT 354(3), 355(3), 410(3), 452(3); 476(3) or 510(3); 570(3)
        c. **Marketing Research:**
            1. MKT 352(3), 570(3), 596(3); MGT 397(3) or ENG 321(3); SOC 305(3)
            2. Recommended electives (not required): MKT 354(3); 410(3); MGT 561(3)
        d. **Sales/Sales Management:**
            1. MKT 352(3), 451(3), 452(3); MKT 485 or MGT 486(3)
            2. Complete one course from: BUS 550/LAW 550(3); MGT 345(3); MKT 354(3), 355(3), 365(3), 410(3)
            3. Recommended electives (not required): MGT 450(3), MKT 367(3), THE 125(2), THE 222(3)
D. General Baccalaureate Degree Requirements

Minor(s)

Marketing

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science

A. MKT 350(3), 351(3)
B. Complete four courses from: MKT 352(3), 354(3), 355(3), 360(3), 365(3), 380(3), 410(3), 451(3), 452(3), 455(3), 456(3), 472(3), 474(3), 476(3), 480(3), 485(3), 570(3)

Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking

graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Marketing Research

Minor(s)

Marketing Research

Bachelor of Science

A. MKT 350(3), 360(3), 570(3); QBA 337(3)
B. Complete one course from: MKT 368(3), 565(3)

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Missouri State

Selling

Minor(s)

Selling

Bachelor of Arts

Bachelor of Science

A. MKT 350(3), 351(3), 352(3), 451(3), 452(3)
B. Complete one course from: MKT 410(3), MKT 485(3); MGT 345(3), 397(3), 486(3). Note: Electives are offered since a minimum of nine additional hours not counted as requirements for any major or other minor and exclusive of "problems" and "reading" courses, is required for the completion of any minor in business. Students not meeting this requirement must select additional courses from the list of recommended electives.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Supply Chain, Logistics and Operations Management

Major(s)

Supply Chain, Logistics and Operations Management (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. College of Business Admission and Program Requirements
C. Major Requirements
    1. MKT 365(3), 368(3), 450(3), 460(3); QBA 337(3)
    2. Complete one of the following options:
        a. **Logistics and Operations Management:**
            1. MKT 352(3), 367(3), 464(3)
            2. Complete two of the following: MKT 360(3), 394(3), 410(3), 451(3), 565(3), 570(3); TCM 359(3)
        b. **Supply Chain Analytics:**
            1. MKT 360(3), 565(3), 570(3)
            2. Complete two of the following: MKT 352(3), 367(3), 394(3), 410(3), 451(3), 464(3)
D. General Baccalaureate Degree Requirements

Minor(s)

Supply Chain, Logistics and Operations Management

Bachelor of Arts

Bachelor of Science

A. MKT 350(3), 365(3), 368(3), 450(3)
B. Complete one course from: MKT 364(3), 367(3), 410(3), 460(3), 464(3)

Accelerated graduate program in Business Administration

Eligible Missouri State undergraduate students may apply for admission to the Master of Business Administration program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Cybersecurity

Eligible Missouri State undergraduate students in the College of Business may apply for admission to the Cybersecurity program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Department of Merchandising and Fashion Design

Programs

Indicates accelerated graduate program is available

Undergraduate

- Fashion Merchandising and Design (BS)

Mission statement

The Department of Merchandising and Fashion Design provides education, scholarship, and service in the areas of human services and professional career education. Its vision centers on the study of merchandizing and clothing as they relate to the physical, social, psychological, economic, aesthetic, and cultural perspectives of persons in the global community.

Contact

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Missouri State

Office of the Registrar
Undergraduate Catalog

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Assistant professors

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Emeritus faculty

Edna Bell, PhD

Carrie J. Ireland, PhD

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Jacquelyn Ledbetter, MS

Debra McDowell, EdD

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Missouri State

Merchandising and Fashion Design Courses

Merchandising and Fashion Design (MFD) courses

MFD 101 Fashion Fundamentals

Overview of fashion terminology, designers of the 20th century, careers, trends, and influences of fashion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

MFD 103 Principles and Elements of Design

Fundamentals of design; introduction to principles and elements of design as applied to apparel line development through the use of fashion illustration and technical drawings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall, Upon demand

MFD 201 Fashion History

Applied approach to the history of dress from ancient times through the twentieth century; examining dress in the context of social, economic, political, technological, and artistic development of Western culture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MFD 202 Textiles

Study of textiles and their components (fibers, yarns, fabrics and finishes) as they relate to end use, performance, quality and customer satisfaction

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MFD 203 Kaledo for the Fashion Industry

Prerequisite: MFD 101 with grade of C grade or better; and MFD 210.

Introduction to the principles and techniques of computer aided design used in the fashion industry.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

MFD 210 Fashion Technology

Prerequisite: declared Fashion Merchandising and Design major or permission.

Learn how to apply current computer software in merchandising and fashion industry scenarios.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MFD 270 Fundamentals, Fit and Construction

Prerequisite: MFD 103 with C grade or better.

Builds on current construction and fit evaluation skills. Industrial equipment is used to construct women's, men's, children's and accessories. Industry techniques are utilized.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

MFD 300 Special Topics in Merchandising and Fashion Design

Selected topics of contemporary interest in merchandising and fashion design. Offered when resources and demand allow. May be repeated for a total of 6 hours when topics change. Variable Content Course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MFD 301 Product Development

Prerequisite: MFD 202 with grade of C or better or concurrent enrollment.

This course examines apparel development from concept to consumer. Focusing on fast fashion cycle, 5-season collections between product categories and classifications including cost market strategies, costs and sourcing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MFD 302 Merchandising and Fashion Design Study Tour

Study of and visits to museums, design studios, historic sites, trade shows, conferences, and conventions related to the fashion industry. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MFD 303 Product Quality and Global Sourcing

Prerequisite: MFD 202 with a grade of C or better.

This course focuses on the structural, functional and decorative aspects of apparel. Emphasis on quality through performance, stitch and seam classification, product application, suppliers, trends, textiles, industry requirements, fitting techniques and government standards.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MFD 304 Forecasting and Branding

Prerequisite: MFD 301 with grade of C or better.

This course will provide students with tools for trend forecasting consumer analytics, using resources and visual imagery. May be taken concurrently with MFD 201.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MFD 305 Portfolio

Prerequisite: junior standing.

Sourcing and acquisition of an internship are examined. Includes resume writing, interview skills, website portfolio instruction, and correspondence etiquette, including phone and email.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

MFD 306 Industry Formulas and Calculations

Prerequisite: MTH 130 or higher.

Merchandising/buying formulas are examined for the purpose of understanding six month merchandising plan and open-to-buy calculations. Case studies include vendor relations and negotiation strategies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MFD 307 Advanced Fashion Technology

Prerequisite: MFD 210 with grade of C or better.

Learn how to use current industry software, such as InDesign and Illustrator, for fashion presentations and portfolio work.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

MFD 360 Merchandising

Prerequisite: MFD 304 with grade of C or better.

Special topics course in merchandising. Apply key marketing theories, frameworks, and tools to solve merchandising problems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MFD 361 Advanced Merchandising

Prerequisite: MFD 304 with grade of C or better; and junior standing.

Special topics course in merchandising. Go beyond theoretical knowledge to gain a practical understanding of merchandising problems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MFD 362 Visual Merchandising and Promotion

Prerequisite: MFD 301 with grade of C or better; MFD 304 with grade of C or better or concurrent enrollment.

Hands-on visual merchandising and visual perspective through internet, print and branding. Promotions for community productions, and senior showcase and market.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Spring

MFD 370 Flat Pattern

Prerequisite: MFD 270 with grade of C or better.

Fundamental concepts of drafting for the basic female form and pattern manipulation techniques to develop original garments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

MFD 371 Draping

Prerequisite: MFD 370 with C grade or better.

Fundamental concepts for developing original designs by using draping techniques. Full size dress forms are used for creation of basic sloper and original designs in knits and wovens.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

MFD 372 Contemporary Designers/Collection Development

Prerequisite: MFD 371 with grade of C or better or junior standing.

A study of twenty first century designers in a variety of merchandise classifications while developing an apparel market collection from concept to consumer.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

MFD 400 Problems in Merchandising and Fashion Design

Independent study for those who wish additional work in specific subject areas. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MFD 401 Internship in Merchandising

MFD 401 Internship in Merchandising

Prerequisite: MFD 305 and MFD 306 with grades of C or better; and permission.

Supervised experienced in a pre-approved internship in a related field of Product Development or Merchandising. The student must work a minimum of 200 hours for a 3 credit hour internship, complete the student workbook, earn a satisfactory evaluation from the internship sponsor, and complete a weekly journal.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Summer, Upon demand

MFD 402 Internship in Fashion Design

Prerequisite: MFD 305 and MFD 306 and MFD 370 and MFD 371 with grades of C or better; and permission.

Supervised experience in a pre-approved internship in a related field of Product Development or Design. The student must work a minimum of 200 hours for a 3 credit hour internship, earn a satisfactory evaluation from the internship sponsor and complete a weekly journal.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Summer, Upon demand

MFD 403 Professional Development

Prerequisite: MFD 401 or MFD 402 with grade of C or better or concurrent enrollment.

Objectives include the completion of the website portfolio, research to identifying major economic factors in the fashion industry, personal marketing through logo development, budgeting, and business etiquette.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Upon demand

MFD 460 Merchandise Buying and Assortment Planning

Prerequisite: MFD 306 with grade of C or better.

Advanced merchandise mathematics. Apply six month merchandise plan and OTB formulas through a simulated buying experience including store planning, merchandising and marketing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MFD 470 Design Studio I

Prerequisite: MFD 371 with grade of C or better.

Senior Market Collection will be developed for critique. Students will design and construct group and individual looks using advanced flat pattern and draping techniques includes fitting and grading apparel for original garments based on industry sample size forms (female, male or child).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

MFD 560 Entrepreneurship

Prerequisite: MFD 460 with grade of C or better or concurrent enrollment.

Developing a fashion business plan from concept to store opening including: target market, location, merchandising classification, human resources, cash flow sheets, profit and loss, store design, assortment planning, marketing strategies and funding. Completed business plan is critiqued by a financial industry professional A grade of C or better is required for graduation. May be taught concurrently with MFD 660. Cannot receive credit for both MFD 560 and MFD 660.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MFD 570 Senior Collection

Prerequisite: MFD 372 and MFD 470 with grades of C or better.

Complete a fashion collection to be critiqued and juried by fashion industry professionals for a spring fashion show. A grade of C or better is required for graduation. May be taught concurrently with MFD 670. Cannot receive credit for both MFD 570 and MFD 670.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

MFD 660 Entrepreneurship

Developing a fashion business plan from concept to store opening including: target market, location, merchandising classification, human resources, cash flow sheets, profit and loss, store design, assortment planning, marketing strategies and funding. Completed business plan is critiqued by a financial industry professional A grade of C or better is required for graduation. May be taught concurrently with MFD 560. Cannot receive credit for both MFD 660 and MFD 560.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MFD 670 Senior Collection

Complete a fashion collection to be critiqued and juried by fashion industry professionals for the spring fashion show. A grade of "C" or better is required for graduation. May be taught concurrently with MFD 570. Cannot receive credit for both MFD 670 and MFD 570.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	1 **Lecture contact hours**	4 **Lab contact hours**	Spring **Typically offered**

MFD 682 Graduate Seminar in Fashion Merchandising and Design

Prerequisite: 12 hours of graduate credit.

Selected topics in clothing and textiles that involve the areas of apparel manufacturing, fashion merchandising, and management trends are systematically explored through critical analysis of literature and through an individual research project. May be repeated for credit. A total of 4 hours may be applied to a degree program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

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Missouri State

Office of the Registrar
Undergraduate Catalog

Fashion Merchandising and Design

Major(s)

Fashion Merchandising and Design (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
Specific General Education Requirements: PSY 121(3), ECO 155(3)

B. Major Requirements. Grades of C or better are required in all MFD courses to advance to the next level of coursework and to graduate from this program.

1. Core Requirements (33 hours): MFD 101(1), 201(3), 202(3), 210(3), 301(3), 303(3), 304(3), 305(1), 306(3), 307(3), 403(1); MKT 350(3), 351(3)
2. Public Affairs Capstone Experience Requirement will be fulfilled by completion of MFD 304(3); and MFD 401(3) or 402(3)
3. Complete one of the options:
   a. **Fashion Design and Product Development** (27 hours): ART 115(3); MFD 103(3), 270(3), 370(3), 371(3), 372(3), 402(3), 470(3), 570(3)
   b. **Fashion Merchandising and Management** (27 hours): ACC 201(3); LAW 231(3); MFD 360(3), 361(3), 401(3), 460(3), 560(3); MGT 340(3); MKT 354(3)

   In consultation with your advisor and according to specific career interests, select additional elective hours to bring total upper division hours to 40 and total hours to 120.

C. General Baccalaureate Degree Requirements

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Technology and Construction Management

Programs

Indicates accelerated graduate program is available

Undergraduate

Construction Management (BS, Minor)

Industrial Management (Minor)

Interior Design (BS, Minor)

Mechanical Engineering Technology (BS)

Graduate

Project Management (MS)

Project Management (Certificate)

Courses are offered toward the option in Project Management within the Professional Studies program (MPS)

Accreditations

- American Council for Construction Education – Construction Management (BS)
- Project Management Institute-Global Accreditation Center for Project Management Education Programs – Project Management (MS)

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Missouri State

Office of the Registrar
Undergraduate Catalog

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R. Neal Callahan, PhD

Senior instructors

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David S. Joswick, MTech

Marciann Patton, MSEd

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Kevin M. Hubbard, PhD

Martin P. Jones, PhD

Assistant professors

James P. Peterson II, PhD

Aaron D. Sauer, PhD

Instructor

Jacob A. Nelson, PE, MS

Emeritus faculty

Robert B. Beach, EdD

Gary O. Bennett, MS

Lawrence C. Drake, EdD

Rita S. Hawkins, PhD

Clifford L. House, EdD

Keith L. Johnston, EdD

Yuan H. Liu, PhD

Charles R. McKenzie, EdD

John T. Pearl, MS

Orin R. Robinson, EdD

Jerry D. Routh, EdD

Eugene G. Sherrell, EdD

Dianne K. Slattery, PE, PhD

Rathel R. Smith, MS, CPI

Houston Taylor, EdD

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Missouri State

Technology and Construction Management Courses

Technology and Construction Management (TCM) courses

TCM 110 Introduction to Engineering Design

Prerequisite: declared major in Mechanical Engineering Technology, Civil Engineering, Electrical Engineering, or Pre-Engineering.

Introduction to design, computational methods, and design communication techniques. Computer aided design and computational analysis tools are introduced. Orthographic drawing, sketching theory and conventions, auxiliaries, sections, traditional dimensioning and tolerancing, and geometric dimensioning and tolerancing are introduced.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

TCM 121 Construction Principles and Practice

An introductory course which investigates the principles and practices associated with common building structural systems-includes foundations, heavy timber, masonry, steel, sitecast concrete, and precast concrete. Course will focus on the development of a fundamental knowledge base for managing construction projects through case study and hands-on experience. Lab activities may include job site visits, Habitat for Humanity, and concrete field testing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

TCM 122 Construction Materials and Methods

An introductory course which provides an overview of the materials and methods used in light framing and building finish systems from floor to roof and from exterior cladding to interior finishes. Includes wood light framing, light gage metal framing, roofing, glass and glazing, cladding systems, windows and doors, interior finishes, ceilings, and floors. This course will focus on development of a fundamental knowledge base through case-study, detailed product analysis, and hands-on experience. Lab activities may include job site visits and work with Habitat for Humanity or other service agencies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

TCM 123 Introduction to Construction for Non-Construction Majors

An introductory course which explores materials, principles and practices associated with building systems used in commercial and residential construction. Topics of discussion will include structural systems, light framing, roofing, exterior cladding systems and interior finishes. External class activities may include jobsite visits.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

TCM 221 Construction Documents and Quantity Take-off

Prerequisite: TCM 121 or TCM 122 or TCM 123.

An introduction to construction drawings and specifications. The course will focus on quantity take-offs to use and interpret plans, details, sections, and elevations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

TCM 223 Construction Surveying

Prerequisite: TCM 221; and MTH 261 or MTH 287.

Construction field engineering activities to include surveying, site layout and dimensional control. Interpretation of plot books, site plans, and topographic maps is also included.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

TCM 226 Construction Project Administration

Prerequisite: TCM 221.

A study of the legal and administrative aspects of construction projects. Includes use of documents, subcontracting, purchasing, changes, claims, payments, and closeout.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

TCM 267 Statics

Prerequisite: PHY 123 or PHY 203; and MTH 261 or 287.

A study of the mechanics of forces associated with rigid bodies in equilibrium. Development of problem solving skills

A study of the mechanics of forces associated with rigid bodies in equilibrium. Development of problem solving skills.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

TCM 273 Mechanics of Materials

Prerequisite: PHY 233.

Introduces the principles of mechanics necessary for the solution of technical problems relating to strength, stiffness, and material selection, and is the student's first course in mechanical design. Topics covered include stress, strain, pressure vessel analysis, torsion, beams, columns, and combined stresses at a point.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

TCM 281 Dynamics

Prerequisite: PHY 233.

An in-depth, quantitative treatment of technical problems involving motion and acceleration. Topics include plane motion; three dimensional motion; force, mass and acceleration; mechanical work and energy; and impulse and momentum. Linear and angular momentum.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

TCM 296 Readings in Technology

Prerequisite: permission of department head.

Directed readings for individuals requiring additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

TCM 297 Topics in Technology

A variable content course with topics that can change from semester to semester depending on faculty and student interests. Consult the semester class schedule for the current offering under this number. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

TCM 299 Cooperative Education in Technology

Prerequisite: permission of department head.

The opportunity to earn academic credit in a planned learning process that integrates supervised work experience and education in an approved industrial setting. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

TCM 303 Facilities Operation and Maintenance

Introduces history and concepts of facility management, with emphasis on definition of key terms and concepts. Introduction to operations and maintenance of buildings with an emphasis on techniques utilized to maintain facilities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

TCM 311 Product Conceptualization and Design

Prerequisite: TCM 331 or concurrent enrollment.

This course introduces product design as an iterative decision-making process. It also presents cost estimation and analysis. Students complete an integrative design project that applies the engineering design process to a real-world engineering problem.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

TCM 313 Facility Design

Prerequisite: TCM 221.

Using Building Information Modeling for facility space design and requirements analysis, construction materials selection, and quantity schedule development.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

TCM 315 Thermodynamics and Heat Transfer

Prerequisite: MTH 280 and PHY 203.

Introduces the concepts, laws, and problem solving methodologies needed for the solution of technical problems involving energy conversion, thermodynamics, and heat transfer. Topics covered include gas, vapor, and fluid properties; the laws of thermodynamics; and

conversion, thermodynamics, and heat transfer. Topics covered include gas, vapor, and fluid properties, the laws of thermodynamics, and convective, radiative, and conductive heat transfer.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

TCM 318 Structural Design Principles

Prerequisite: TCM 267.

The design of simple structural members used in construction. Topics include applications in concrete, steel, soils and wood, form design and other temporary structures used in construction.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

TCM 320 Construction Contracts, Specifications and Law

Prerequisite: LAW 231 or TCM 303.

An introduction to basic construction contracts, specifications, and law. Discussion of the application of contract principles to construction contracts, together with a detail summary of specifications and other documents which form an essential part of construction contracts. Legal topics of special interest to construction professionals will also be discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

TCM 321 Mechanical Systems for Buildings

Prerequisite: TCM 121 or TCM 122 or TCM 123; and MTH 135 or higher.

This course addresses the principles and practices of heating, ventilation, cooling, plumbing and fire protection systems used in residential, commercial and industrial applications. Emphasis is placed on coordination of design, applicable codes, installation, and problem solving.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

TCM 322 Electrical Systems for Buildings

Prerequisite: TCM 221.

This course addresses the principles and practices of electrical and lighting systems used in residential, commercial and industrial applications. Emphasis is placed on coordination of the NEC, design, and installation of various systems in the building process.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	2	Spring

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

TCM 324 Construction Cost Estimating

Prerequisite: TCM 221.

A project oriented course where quantification and pricing of direct field costs and general condition costs from construction plans and specifications are developed. Course topics also include: development of feasibility, conceptual, lump sum, and unit costs estimates, production rates; development of bidding strategy; computerization estimates; and presentation of the bid.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

TCM 325 Fluid Mechanics

Prerequisite: TCM 315.

Fundamentals of fluid mechanics. Properties of liquids and gases; fluid statics; fluid dynamics; hydraulic and pneumatic machines. Theory of incompressible flow.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

TCM 326 Construction Soils and Foundations

Prerequisite: TCM 267.

An overview of the nature of soil materials and their engineering properties is coupled with simple, direct examples of analysis to show how construction methods and operations may be controlled or influenced. Introduces updated information developed in research and practices for applications to construction operations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

TCM 331 Materials and Manufacturing Processes

Prerequisite: TCM 273.

Properties of engineering materials, heat treatment, measurement and inspection, casting, forging, machining, and other traditional manufacturing processes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

TCM 337 Quality Control and Measurement

Prerequisite: MTH 345 or QBA 237.

This course covers basic techniques of quality control and metrology. Topics covered include basic statistics, process capability, statistical process control, sampling, and measuring and gauging techniques.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

TCM 347 Electrical Circuits

Prerequisite: TCM 322 or PHY 204.

This course provides an in-depth treatment of electrical circuit analysis. Both theory and practical applications are discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

TCM 350 Management and Control of Quality

A study of management and control of quality as applied to both production and service enterprises. Topics include: basic quality systems, quality planning, international quality systems, supply chain management. In addition, an introduction to six sigma and design of experiments is included.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

TCM 354 Facility Planning

Investigates programming and space allocation for facility managers executing planned development. Master, strategic, and daily planning tools are explored.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

TCM 355 Production Planning and Control

Prerequisite: 53 hours.

Production planning and control activities in the various industrial environments. Focus will be placed on the necessary prerequisites for an effective shop floor control system including computer simulation and modeling. Assemble-to-order, engineer-to-order, make-to-order, and make-to-stock are emphasized.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

TCM 358 Introduction to Technology Management

Provides students with a conceptual framework for understanding the social and economic environment of contemporary technology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

TCM 359 Principles of Project Management

Prerequisite: 53 hours.

A study of project management including the planning, organizing, directing, controlling, and coordinating functions used to achieve productivity enhancements in an industrial environment. Includes project management case studies from a variety of industries. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

TCM 361 Service Learning in Technology

Prerequisite: 30 hours and concurrent registration in an TCM course designated as a service learning offering.

This service component of an existing course incorporates community service with classroom instruction in industrial management to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of a participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

TCM 365 Computer Integrated Manufacturing

Prerequisite: TCM 110; and TCM 347 or concurrent enrollment.

A study of the design, integration, and information flow, associated with automated manufacturing systems. Topics covered include CAD/CAM, robotics, and PLC applications.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

TCM 366 Advanced Mechanical and Electrical Systems

Prerequisite: TCM 321 and TCM 322.

In depth analysis of various types of building mechanical, electrical, and low voltage systems. Emphasis will be placed on utilizing building automation controls and energy management strategies for maximizing building efficiency.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring (odd-numbered years)

TCM 396 Readings in Technology

Prerequisite: permission of Department Head.

Directed readings for individuals requiring additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

TCM 397 Special Topics

A variable content course intended to provide opportunities for intensive study or research in an area of specific interest for students in the degrees offered by the Technology and Construction Management Department. Consult the semester class schedule for the current offering under this number. May be repeated for a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

TCM 399 Cooperative Education in Industry

Prerequisite: 60 hours and permission of Department Head.

The opportunity to earn academic credit in a planned learning process that integrates supervised work experience and education in an approved industrial setting. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

TCM 401 Construction Leadership

Prerequisite: TCM 494.

Students will examine the interpersonal, social and communication skills necessary to be successful in the construction industry. Emphasis will be placed on case study analyses and active learning strategies to improve overall emotional intelligence and leadership abilities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

TCM 402 Facility Administration

Prerequisite: TCM 354.

Covers the procedural, tracking, and resource requirements needed to carry out the responsibilities assigned to the facility function. Topics of study include portfolio management, contracts and specifications, and the coordination of personnel.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

TCM 411 Mechanical Design and Analysis

Prerequisite: TCM 331 or concurrent enrollment.

This course deals with mechanism design and design for manufacture. Topics include tolerancing, material selection, cost estimation, process planning, product fabrication, and mechanism synthesis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

TCM 424 Mechanical and Electrical Systems Estimating

Prerequisite: TCM 321 and TCM 322 and TCM 324.

Quantity take-off and cost estimating for specialty construction work including plumbing, mechanical, and electrical systems. Students perform a complete take-off, pricing, and bid preparation for a small commercial construction project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring (even-numbered years)

TCM 425 Construction Planning and Scheduling

Prerequisite: TCM 324.

Introduction to the basic principles, techniques, and practices used by contractors to plan, schedule, and update construction projects timelines. Extensive use of commercial scheduling software.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

TCM 427 Construction Equipment Management

Prerequisite: TCM 324.

Study of the basic principles, practices, and techniques used in the construction industry for selecting and managing construction equipment. Focuses on understanding the time value of money, estimating equipment ownership and operating costs, selecting the proper equipment for specific construction tasks, and estimating equipment production.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

TCM 438 Systems Integration

Prerequisite: TCM 365 or TCM 366.

A project based course in distributed system integration and control. Students will gain experience in hardware interfacing, control software development, and system performance metric data collection and evaluation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

TCM 453 Construction Cost Management

Prerequisite: ACC 201 and TCM 324.

Introduction to financial and cost concepts used in the construction industry. Emphasizes the analysis and use of financial statements, job cost accounting systems, and cost control.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

TCM 454 Construction Safety Management

Prerequisite: 53 hours.

Occupational safety and health standards and codes as they relate to the construction industry. Job-site safety assessment, safety program elements, accident costs and prevention, ethics and management practices.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

TCM 455 Safety Management

Occupational safety and health standards and codes. Hazard recognition, accident costs, accident prevention, ethics and administration

Occupational safety and health standards and codes. Hazard recognition, accident costs, accident prevention, ethics and administration. OSHA certification is not offered with this course. Cannot receive credit for both TCM 454 and TCM 455.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

TCM 456 Supervision

Prerequisite: 53 hours.

A study of the role of the supervisor and the concepts and techniques that may be utilized to optimize productivity. Topics include the legal aspects of supervision, roles and responsibilities of the supervisor and guiding teamwork.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

TCM 458 Technology Management

Prerequisite: TCM 358.

Technology issues related to operations and production management. Focuses on the design, management, and improvement of operation systems and processes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

TCM 491 Management Competition

Prerequisite: permission.

Participation in planning, preparation, execution and debriefing for a management competition team sponsored by industry or an educational association, and coached by a member of the department faculty. The fulfillment of these requirements must be verified by the faculty coach and the department head. Participation in all aspects of the competition is required. May be repeated to a total of 3 hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

TCM 494 Professional Internship

Prerequisite: permission of department head.

Recommend completion during the summer preceding the senior year. The integration of supervised work experience and education in an approved industrial setting. May also serve as the information gathering phase of the capstone project in which students demonstrate achievement of program objectives through solution of a problem provided by an industry sponsor.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

1			Fall, Spring, Summer

TCM 497 Special Topics

Prerequisite: permission of department head.

A variable content course intended to provide opportunities for intensive study or research in an area of specific interest for students in the degrees offered by the Technology and Construction Management Department. Consult the semester class schedule for current offerings under this number. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

TCM 498 Senior Design

Prerequisite: TCM 311 and TCM 411.

Capstone experience for all engineering technology majors. Students will participate in interdisciplinary teams to perform applied research, bringing a product from conceptual design through manufacture. Activities will include detail design and tolerancing, material selection, cost estimation, process planning, schedule and material requirements planning, distribution system design, software planning and implementation, and product fabrication. Course deliverables will include a written report, all design data and analyses, and one or more working, physical products.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

TCM 499 Senior Project

Prerequisite: permission of department head.

A capstone project in which students demonstrate attainment of program objectives through solution of a problem provided by an industry sponsor. Requires technical report and oral presentation. Evaluated by committee from faculty and industry. Team projects are permissible and encouraged.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

TCM 502 Healthcare Facility Management

Prerequisite: MTH 181 and TCM 401.

Examines facility management attributes related to maintenance and operations; regulatory compliance; planning, design and construction;

and administration unique to healthcare. May be taught concurrently with TCM 602. Cannot receive credit for both TCM 502 and TCM 602.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

TCM 511 Product Design and Development

Prerequisite: TCM 359; and 80 hours; and undergraduate majors in the department of Technology and Construction Management must be admitted to degree program.

An overview of the product development process from concept generation to design in an entrepreneurial environment. The perspectives of marketing, design and manufacturing are blended into a single approach to product development. Provides students with an appreciation for the realities of industrial practice and for the complex and essential roles played by the various members of product development teams. May be taught concurrently with TCM 611. Cannot receive credit for both TCM 511 and TCM 611.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

TCM 545 Project Control Systems

Prerequisite: TCM 359; and undergraduate majors in the department of Technology and Construction Management must be admitted to degree program.

Advanced application of microcomputers with an emphasis on their use in project control. Topics include project control planning and objectives, change control processes, project documentation and communication, project progress/variance reports, payment requisitions, project closure activities, and project lessons learned systems. May be taught concurrently with TCM 645. Cannot receive credit for both TCM 545 and TCM 645.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

TCM 551 Cost Analysis for Project Management

Prerequisite: 80 hours; and undergraduate majors in the department of Technology and Construction Management must be admitted to degree program.

The use of cost analysis as a decision-making tool in the context of project management. Topics include the time value of money, analysis of alternatives, decision-making under risk, estimating, cost accounting, and capital budgeting. May be taught concurrently with TCM 651. Cannot receive credit for both TCM 551 and TCM 651.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

TCM 555 Statistical Quality Control and Design of Experiments

Prerequisite: QBA 237 or equivalent; and 80 hours; and undergraduate majors in the department of Technology and Construction Management must be admitted to degree program.

Topics include the practice of statistical techniques widely used in industry to improve quality, reduce costs, and optimize processes

Topics include the practice of statistical techniques widely used in industry to improve quality, reduce costs, and optimize processes. Minimization of variability and basic approaches to statistically designed experiments are emphasized. May be taught concurrently with TCM 655. Cannot receive credit for both TCM 555 and TCM 655.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

TCM 596 Readings in Technology Management

Prerequisite: permission of department head.

Directed readings for individuals requiring additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 6 hours. May be taught concurrently with TCM 696. Cannot receive credit for both TCM 696 and TCM 596.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

TCM 597 Topics in Technology Management

A variable content course with topics that depend on faculty and student interests. Consult the semester class schedule for the current offering under this number. May be repeated up to a total of 9 hours when content varies. May be taught concurrently with TCM 697. Cannot receive credit for both TCM 597 and TCM 697.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

TCM 602 Healthcare Facility Management

Prerequisite: permission.

Examines facility management attributes related to maintenance and operations; regulatory compliance; planning, design and construction; and administration unique to healthcare. May be taught concurrently with TCM 502. Cannot receive credit for both TCM 602 and TCM 502.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

TCM 611 Product Design and Development

Prerequisite: TCM 701 and acceptance in the Project Management MS or Graduate Certificate program; or permission of the Project Management MS program director.

An overview of the product development process from concept generation to design in an entrepreneurial environment. The perspectives of marketing, design and manufacturing are blended into a single approach to product development. Provides students with an appreciation for the realities of industrial practice and for the complex and essential roles played by the various members of product development teams. May be taught concurrently with TCM 511. Cannot receive credit for both TCM 611 and TCM 511.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Spring

TCM 645 Project Control Systems

Prerequisite: TCM 701 and acceptance in the Project Management MS or Graduate Certificate program; or permission of the Project Management MS program director.

Advanced application of microcomputers with an emphasis on their use in project control. Topics include project control planning and objectives, change control processes, project documentation and communication, project progress/variance reports, payment requisitions, project closure activities, and project lessons learned systems. May be taught concurrently with TCM 545. Cannot receive credit for both TCM 645 and TCM 545.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

TCM 651 Cost Analysis for Project Management

Prerequisite: acceptance in the Project Management MS or Graduate Certificate program; or permission of the Project Management MS program director.

The use of cost analysis as a decision-making tool in the context of project management. Topics include the time value of money, analysis of alternatives, decision-making under risk, estimating, cost accounting, and capital budgeting. May be taught concurrently with TCM 551. Cannot receive credit for both TCM 651 and TCM 551.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

TCM 655 Statistical Quality Control and Design of Experiments

Topics include the practice of statistical techniques widely used in industry to improve quality, reduce costs, and optimize processes. Minimization of variability and basic approaches to statistically designed experiments are emphasized. May be taught concurrently with TCM 555. Cannot receive credit for both TCM 655 and TCM 555.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

TCM 696 Readings in Technology Management

Prerequisite: permission of department head.

Directed readings for individuals requiring additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 6 hours. May be taught concurrently with TCM 596. Cannot receive credit for both TCM 696 and TCM 596.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

TCM 697 Topics in Technology Management

A variable content course with topics that depend on faculty and student interests. Consult the semester class schedule for the current offering under this number. May be repeated up to a total of 9 hours when content varies. May be taught concurrently with TCM 597. Cannot receive credit for both TCM 697 and TCM 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

TCM 701 Project Management

Prerequisite: acceptance in the Project Management MS or graduate certificate program; or permission of the Project Management Program Director.

This course provides a comprehensive overview of project management. The culture, principles, and basic techniques of project management are addressed using the project lifecycle as the primary organizational guideline. The project management functions of planning, organizing, motivating and controlling with an emphasis on the application to business and technology are explained. Basic tools of project management such as work breakdown structure, scheduling, contracting, earned value analysis, and risk management are explained and demonstrated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

TCM 703 Project Risk Analysis

Prerequisite: TCM 701 and acceptance in the Project Management MS or Graduate Certificate program; or permission of the Project Management MS program director.

In-depth analysis of the types of risks that threaten projects at each stage of development. Strategies used to recognize risks, assess probabilities and potential impacts, steps to respond to project risks. Tools used to analyze and plan for managing project risk.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

TCM 710 Project Leadership

Prerequisite: acceptance in the Project Management MS or Graduate Certificate program, or MS in Cybersecurity, or permission of the Project Management MS program director.

A practical and relevant course that focuses on the people skills needed to manage a project successfully. Prepares students to handle project problems related to communication, motivation, performance, behavior, and crisis. Students analyze real life scenarios and develop solutions that are supported by the latest research to develop skills necessary for strong, effective project leadership.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

TCM 720 Project Management Training

Prerequisite: acceptance in the Project Management MS or Graduate Certificate program; or permission of the Project Management MS program director.

This course provides a comprehensive overview of advanced project management concepts and provides preparation for PMP or CAPM certification. The course focuses on project management functions and process groups.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

TCM 726 Seminar in Project Management

Prerequisite: TCM 701; total of 21 graduate hours in the Project Management MS program of study; and permission of Project Management Program Director.

Presentation and discussion of professional or technical problems in the organization and management of projects. Students are expected to demonstrate the ability to apply the knowledge and experience gained in their program of study to the critical evaluation and analysis of the theory, research and practice of project management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

TCM 740 Management of Innovation and Technology

Prerequisite: acceptance in the Project Management MS program or graduate certificate program; or permission of the Project Management Program Director.

Focuses on the strategic management of technology and innovation in organizations. Builds primarily on broad models of technological evolution and organizational change. Students analyze crucial organizational innovation and technology issues and identify concrete managerial actions to address innovation and technology problems and opportunities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

TCM 750 Advanced Project Management

Prerequisite: TCM 701; and a total of 12 graduate hours in the Project Management MS program of study.

Builds upon the foundation of prerequisite courses by discussing advanced problems encountered in the discipline of project management in a seminar format. Practical examination of projects using the criteria of project excellence and project management maturity models. Students are expected to demonstrate the ability to apply the knowledge and experience gained in their program of study to the critical evaluation and analysis of the theory, research and practice of project management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

TCM 760 Special Investigations

Prerequisite: permission of Project Management Program director.

The student in consultation with the advisor selects for in-depth study an area determined by the interest and background of the students. Based on demand and timeliness of the subject a cluster study group may engage in a joint investigation. May be repeated to a total of 5 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

TCM 792 Graduate Internship

Prerequisite: permission of Project Management Program Director.

Educational experience in cooperation with student's full-time employer. Written, oral, and classroom assignments related to workplace improvement. May be repeated, but no more than 6 hours may be counted as credit toward a masters degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

TCM 798 Research

Prerequisite: permission of Project Management Program Director.

Supervised research in technology. May be repeated, but not more than 3 hours may be counted toward a masters degree. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

TCM 799 Thesis

Prerequisite: permission of Project Management Program Director.

Preparation of a thesis. May be repeated, but no more than 3 hours may be counted as credit toward a masters degree. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

Housing and Interior Design (HID) courses

HID 140 Fundamentals of Design and Interiors

Art principles and elements applied to interior environments. Projects will expose the student to interior design skills, basic drafting techniques, design terminology, space planning, materials and applications. Interior design as a profession will be discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

HID 201 Studio I

Prerequisite: HID 140.

Space planning and design for both residential design and commercial design. This course will cover interior design specifications, material, and green design.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

HID 202 Studio II

Prerequisite: HID 140 and HID 201 and HID 208.

Residential design projects with emphasis on color and light, presentation techniques as well as universal design.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

HID 208 CAD for Interior Design

Prerequisite: HID 140 or TCM 221.

An overview of AutoCAD, SketchUp, and other relevant software. Both 2- and 3- dimensional aspects are covered in order to design a structure. Design project required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

HID 241 Residential Design I

Prerequisite: HID 140 or concurrent enrollment.

The design of a residence including the drawing of floor plans and the study of both structural and decorative aspects. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

HID 300 Special Topics in Housing and Interior Design

Selected topics of contemporary interest in housing and interior design. Offered when resources and demand allow. May be repeated for a total of 6 hours when topics change. Variable Content Course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

HID 302 Housing and Interior Design Study Tour

Study of and visits to museums, international hospitality tours, historic sites, trade shows, conferences, and conventions related to the interior design industry. May be taken for a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

HID 303 Studio III

Prerequisite: HID 241.

Kitchen and bath designs and materials, preparing for the National Kitchen and Bath Association certification. Addresses kitchen and bath systems, products, and planning. Also, drawing, design principles, project and business management for kitchen and bath.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

HID 304 Studio IV

Prerequisite: HID 201.

Hotel, restaurant and healthcare design. The interior design of lounges and public dining facilities, guest lodging facilities from urban hotels to resorts, hospital and healthcare interior design using codes and universal design principles.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

HID 325 Pre-Internship Seminar

Prerequisite: HID 201 or concurrent enrollment; and HID 241.

Sourcing and acquisition of an internship are examined. Includes resume writing, phone, email and correspondence etiquette, and interview skills.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

HID 340 Sustainable Design

Examines sustainable design and building practices employed in residential and commercial structures.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HID 344 Historical Design Pre 19th Century

Ancient, Medieval, and Renaissance art, furnishings, and decorative design with emphasis on historical relevance for the 21st century.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

HID 346 Historical Design: 19th - 21st Century

An overview of interiors, furnishings, and related structure design during the 19th - 21st century with emphasis on historical relevancy for the 21st century.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HID 400 Problems in Housing and Interior Design

Independent study for those who wish additional work in specific subject areas.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

HID 405 Studio V

Prerequisite: HID 140.

Retail design and display and presentation techniques design from store planning to merchandise display.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall

HID 406 Studio VI

Prerequisite: HID 208.

Advanced presentation techniques, digital portfolio and models.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

HID 408 Computer Applications for Interior Design

Prerequisite: HID 208.

Various computer programs with an emphasis on presentation and portfolios.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

HID 424 Business Practices

Prerequisite: HID 201 and HID 405 and LAW 231 and ACC 201; and 90 hours.

Business principles and practices of interior design and Senior Show.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

HID 441 National Council of Interior Design Qualifications (NCIDQ) and Senior Show

Prerequisite: HID 201 and HID 405; and 90 hours.

Study of NCIDQ written and practical exams.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

HID 499 Internship in Interior Design

Prerequisite: HID 201 and HID 241 and HID 325.

Off-campus, supervised experiences in a cooperative program with a kitchen and bath and/or interior design firm. The student is required to attend a beginning orientation, maintain weekly journals, communication with their faculty advisor and complete the assigned academic work and project appropriate to the experience. The student must work a minimum of 240 hours for a 4 credit hour internship and a minimum of 320 hours for a 6 credit hour internship.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4-6			Summer, Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Construction Management

Major(s)

Construction Management (Comprehensive)

Bachelor of Science

Admission Requirement

Passing grade in MTH 261(5) or 287(3).

Program Requirements

A. General Education Program and Requirements
   Specific General Education Requirements:
   1. Focus on Social and Behavioral Sciences: ECO 155(3), PSY 121(3)
   2. Focus on Public Issues: CIS 200(3) or CSC 210(3) is recommended
   3. Focus on Written Communication and Integrative and Applied Learning: ENG 321(3) is recommended
   4. Focus on Quantitative Literacy: MTH 261(5) or 287(3)
   5. Focus on Physical Sciences: PHY 123(4) or PHY 203(5)
   6. Focus on Life Sciences: BIO 101(3) or GLG 115(3) is recommended

B. Major Requirements (81 hours)
   1. TCM 121(3), 122(3), 221(3), 223(3), 226(3), 267(3), 313(3), 318(3), 320(3), 321(3), 322(3), 324(3), 326(3), 359(3); 366(3) or 424(3); 401(3), 425(3), 427(3); 453(3), 454(3), 494(1), 499(1); ACC 201(3); GLG 110(4) or GRY 142(4); LAW 231(3); MGT 340(3); QBA 237(3)
   2. Complete three hours from the following: ACC 211(3), 311(3); BUS 135(3); CIS 201(3); ECO 165(3); FIN 380(3), FIN 368/LAW368(3), LAW 332(1), 335(2), 531(3), 532(3); MGT 345(3), 465(3); MKT 350(3), 355(3), 364(3), 365(3), 367(3), 368(3), 450(3); QBA 337(3)
   3. No more than 31 hours of coursework from the business units of the College of Business will be allowed.
   4. Public Affairs Capstone Experience will be fulfilled by completion of TCM 359(3)

C. General Baccalaureate Degree Requirements

Minor(s)

Construction Management

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Science

A. TCM 123(3), 221(3), 324(3)
B. Complete 6 additional hours from the following: TCM 223(3), 226(3), 425(3), 427(3), 454(3)

Accelerated graduate program in Project Management

Eligible Missouri State undergraduate students may apply for admission to the Project Management program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Industrial Management

Minor(s)

Industrial Management

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Science

Complete 15 hours from the following (course groupings are to indicate possible areas of emphasis):

A. Construction Technology: TCM 121(3), 122(3), 221(3), 359(3), 454(3)
B. Production Technology: ENG 321(3); TCM 355(3), 511(3), and one of the following: TCM 110(3), 303(3), 331(3), 354(3), 365(3), 399(3), 499(2), 545(3)
C. Project Management: TCM 110(3), 359(3), 456(3), 545(3), 551(3)
D. Facility Management: TCM 121(3), 122(3), 303(3), 313(3), 359(3)

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Missouri State

Interior Design

Major(s)

Interior Design (Comprehensive)

Bachelor of Science

Admission requirement

Complete MTH 135(3) with a grade of "C" or better.

Program requirements

A. General Education Program and Requirements
Specific General Education Requirement: MTH 135(3); PSY 121(3)

B. Major Requirements

1. ART 115(3), 215(3); ACC 201(3) or MKT 350(3); HID 140(3), 201(3), 202(3), 208(3), 241(3), 303(3), 304(3), 325(1), 344(3), 346(3), 405(3), 406(3), 408(3), 424(2), 441(2), 499(4); LAW 231(3); TCM 123(3), 221(3), 313(3), 321(3), 322(3), 324(3)
2. Public Affairs Capstone Experience will be fulfilled by completion of HID 499(4).

C. General Baccalaureate Degree Requirements

Minor(s)

Interior Design

Bachelor of Arts

Bachelor of Science

Complete following 6 courses: HID 140(3), 201(3), 202(3), 208(3), 241(3), 303(3)

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Mechanical Engineering Technology

Major(s)

Mechanical Engineering Technology (comprehensive)

Bachelor of Science

Admission requirement

"C" grade or better in MTH 261(5)

Program Requirements

A. General Education Program and Requirements
   Specific General Education Requirements:
   1. Focus on Quantitative Literacy: MTH 261(5)
   2. Focus on Social and Behavioral Sciences: ECO 155(3), PSY 121(3)
   3. Focus on Physical Sciences: PHY 203(5)
   4. Focus on Written Communication and Integrative and Applied Learning: ENG 210(3)

B. Major Requirements (81-82 hours)
   1. TCM 110(3), 273(3), 281(3), 311(3), 315(3), 325(3), 331(3), 337(3), 347(3), 355(3), 359(3), 365(3), 411(3), 438(3), 498(3), 551(3)
   2. ACC 201(3), CHM 160(4), CHM 161(1); CIS 260(3) or CSC 125(4); MTH 280(5), MTH 345(3), PHY 204(5), PHY 233(3)
   3. Complete six hours of advisor approved upper division elective coursework.
   4. Public Affairs Capstone Experience will be fulfilled by completion of TCM 359(3)

C. General Baccalaureate Degree Requirements

Accelerated graduate program in Project Management

Eligible Missouri State undergraduate students may apply for admission to the Project Management program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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https://www.missouristate.edu/registrar/catalog/prog-mechanical-engineering-technology.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

College of Education

Programs

Indicates accelerated graduate program is available

Undergraduate

Child and Family Development (BS, Minor)

Early Childhood Education (BSEd)

Elementary Education (BSEd)

Environmental STEM for Teachers (Certificate)

Family and Consumer Sciences Education (BSEd)

General Family and Consumer Sciences (Minor)

International Perspectives in K-12 Special Education (Certificate)

Middle School Education (BSEd)

Literacy (Minor)

Special Education/Cross Categorical (BSEd)

Graduate

Autism Spectrum Disorders (Certificate)

Child Life Studies (MS)

Counseling and Assessment (EdS)

Counseling (MS)

Dyslexia (Certificate)

Early Childhood and Family Development (MS)

Early Childhood Special Education (MSEd)

Education of Gifted and Talented Students (Certificate)

Educational Administration (MSEd)

Educational Administration (EdS)

Educational Leadership, cooperative doctoral degree with the University of Missouri-Columbia (EdD)

Educational Technology (MSEd)

Educational Technology (Certificate)

Elementary Education (MSEd)

Elementary Mathematics Specialist (Certificate)

Environmental STEM for Teachers (Certificate)

Family and Consumer Sciences Education (Certificate)

International Perspectives in K-12 Special Education (Certificate)

Literacy (MSEd)

Literacy (Certificate)

Orientation and Mobility (Certificate)

Perspectives about the American Higher Education System (Certificate)

Secondary Education with option in Family and Consumer Sciences (MSEd)

Special Education (MSEd)

Special Education Director (Certificate)

Elementary Curriculum and Instruction (Certificate)

Teacher Leadership (EdS)

Teacher Leadership (Certificate)

Teaching, Master of Arts in (MAT)

Student Affairs in Higher Education (MS)

Teaching and Learning, Master of Arts in (MATL)

Teaching and Learning (Certificate)

Missouri State Board of Education approved programs

The following professional education programs have received continuing accreditation by the Missouri Department of Elementary and Secondary Education for purposes of teacher preparation and certification.

Childhood Education and Family Studies, Dr. Denise Cunningham, 417-836-3262

- Early Childhood Education (Birth-grade 3)
- Elementary Education (1-6)

Communication Sciences and Disorders, Dr. Lisa A. Proctor, 417-836-5368

- Speech/Language Specialist (K-12)
- Deaf/Hearing Impaired (Birth-grade 12)

Counseling, Leadership, and Special Education, Dr. James Satterfield, 417-836-5392

- Special Education:
  - Mild/Moderate: Cross Categorical (K-12)
  - Blind and Partially Sighted (Birth-grade 12)

Reading, Foundations, and Technology, Dr. Emmett E. Sawyer, 417-836-6769

- Middle School (5-9):
  - Language Arts
  - Social Studies
  - Mathematics
  - Science
- Additional Middle School endorsements can be added in:
  - Agriculture*
  - Drama*
  - Speech*

Secondary Education (9-12 and K-12), Dr. Karen Engler, 417-836-6204

- Agriculture (9-12)
- Art (K-12)
- English (9-12)
  - English for Speakers of Other Languages (K-12)*
- Family and Consumer Sciences (K-12)
- History (Social Science) (9-12)
- Language, Modern (K-12)
  - Chinese
  - French
  - German
  - Latin
  - Spanish

Contact

Dean

David L. Hough, PhD

Associate Dean

Barri E. Tinkler, PhD

Office

Hill Hall, Room 230

Phone

417-836-5254

Fax

417-836-4884

Email

CollegeofEducation@MissouriState.edu

Website

education.missouristate.edu

- Mathematics (9-12)

- Music (K-12)
  - Instrumental
  - Vocal/Choral
- Physical Education (K-12)
  - Driver's Education (9-12)*
  - Health (K-12)*
- Speech/Theatre (9-12)

*Only available as an additional area of certification. Student must be concurrently enrolled in another area of Elementary, Middle School, or Secondary Education.

Teacher certification (postbaccalaureate)

Students who have already obtained a bachelor's degree and are seeking Missouri state teacher certification should contact Professional Education Certification. This office provides a program evaluation and transcript analysis service for initial certificates ($25 fee required), advisement and assistance to gain certification and/or additional endorsements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Childhood Education and Family Studies

Programs

Indicates accelerated graduate program is available

Undergraduate

Child and Family Development (BS, Minor)

Early Childhood Education (BSEd)

Elementary Education (BSEd)

Environmental STEM for Teachers (Certificate)

Family and Consumer Sciences Education (BSEd)

General Family and Consumer Sciences (Minor)

Graduate

Child Life Studies (MS)

Early Childhood and Family Development (MS)

Early Childhood Special Education (MSEd)

Education of Gifted and Talented Students (Certificate)

Elementary Curriculum and Instruction (Certificate)

Elementary Education (MSEd)

Elementary Mathematics Specialist (Certificate)

Environmental STEM for Teachers (Certificate)

Family and Consumer Sciences Education (Certificate)

Secondary Education/Family and Consumer Sciences (MSEd)

Accreditations

- Missouri Department of Elementary and Secondary Education – Early Childhood Education (BSEd); Elementary Education (BSEd); Family and Consumer Sciences (BSEd); Secondary Education/Family and Consumer Sciences (MSEd)
- Council for the Accreditation of Educator Preparation – Early Childhood Education (BSEd); Elementary Education (BSEd, MSEd); Family and Consumer Sciences (BSEd); Secondary Education/Family and Consumer Sciences (MSEd)

Contact

Department head

Denise D. Cunningham, PhD

Office

Hill Hall, Room 312

Phone

417-836-3262

General information

Child Development Center

The Center provides a high quality developmentally appropriate early childhood program for children 6 weeks to 5 years, and a laboratory for students. The laboratory experience allows students to link educational theory with practice by observing and working with young children. In addition to a high quality program for children of university students, faculty and staff, and the community the Child Development Center provides opportunities for research and reflects a commitment to diversity.

Fax

417-836-8900

Email

cefs@missouristate.edu

Website

education.missouristate.edu/cefs

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Missouri State

Office of the Registrar
Undergraduate Catalog

Childhood Education and Family Studies Faculty

Professors

Sabrina A. Brinson, PhD

Denise D. Cunningham, PhD

Associate professors

Amanda Benedict Chambers, PhD

Joanna J. Cemore Brigden, PhD

Diana L. Piccolo, PhD

Joan E. Test, EdD

Assistant professors

Andrew M. Baker, MED

Sarah J. Baker, PhD

Chloe Bolyard, PhD

Tammi R. Davis, PhD

Elizabeth K. King, PhD

Stefanie Livers, PhD

Sascha C. Mowrey, PhD

Lindsey M. Murphy, PhD

Muhammad H. Raza, PhD

Christine J. Wright, PhD

Clinical assistant professors

Kim J. Roam, MS

Gina M. Wood, EdD

Clinical instructors

Rhonda L. Bishop, EdD

Robin L. Koerber, MSEd

Michelle A. Satterfield, MAT

Melissa J. Schotthofer, MA

Cara L. Smith, MA

Sara L. Tipton, EdS

Instructors

Cynthia A. McMeley, MSEd

Debra A. Price, MSEd

Emeritus faculty

Roberta J. Aram, PhD

David W. Brown, EdD

Haldon D. Funk, EdD

Suzanne M. George, PhD

Cynthia K. Hail, PhD

John M. Hail, PhD

Mary Beth Mann, PhD

John F. Newport, EdD

Linda K. Peacock, MEd

Peggy S. Pearl, EdD

Dale G. Range, EdD

Barbara A. Sperling, EdD

Roger N. Tipling, EdD

Myrna L. Walker, MSEd

Joretta L. Wilcox, MSEd

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Missouri State

Office of the Registrar
Undergraduate Catalog

Childhood Education and Family Studies Courses

Child and Family Development (CFD) courses

CFD 110 Health, Safety and Nutrition

Introduces curriculum, regulations, standards, policies, procedures and current trends related to health, safety and nutrition of children and families. Recognize and create safe environments for children, universal precautions and menu planning to meet the nutritional needs of children. Emphasis placed on integrating and maintaining optimal health, safety, and nutritional concepts in every day planning and program development for all children.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CFD 150 Introduction to Child and Family Development

Prerequisite: permission of instructor.

The scope of this course is a study of the field of child and family development. Professional opportunities and analysis of personal proficiencies will be the focus.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

CFD 155 Principles of Human Development

General Education Course (Focus on Social and Behavioral Sciences).

Basic principles that govern human development from the prenatal period to death; developmental tasks and interrelations of family members through the life span.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	PSYC 200 - Lifespan Human Development.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

CFD 160 Principles of Development in Early Childhood

Development of the child from conception through 8 years of age including weekly laboratory experience with preschool children.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

CFD 163 Relationships in Today's Families

General Education Course (Focus on Social and Behavioral Sciences).

Personal and family living in the early stages of family life cycle. Concepts and methods used in initiating, building, maintaining and enriching relationships.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CFD 197 Introductory Topics in Child and Family Development

Variable content course for introductory concepts in Child and Family Development. May be repeated to a maximum of six hours when topics change.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CFD 250 Parenting in Contemporary Society

Explores parenting and child rearing in today's society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CFD 255 Principles of Development in Infancy

Prerequisite: CFD 160.

Child from conception through two years, including prenatal environment. Two hours laboratory experience weekly in infant-toddler child development laboratory.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

CFD 256 Supervised Experience in the Infant Toddler Center

Experience in applying effective techniques that optimize infant toddler development with 2-hours per week of participation in the infant toddler laboratory.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

CFD 257 Principles of Development in Middle Childhood

Development of the child from six through twelve years in cognitive, physical, social, emotional aspects. Contact with groups of children in this age range is arranged.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CFD 260 Observing, Assessing, and Creating Activities for Young Children

Prerequisite: CFD 160.

Experience in applying the most effective techniques for maximum growth in the physical, social, emotional and mental development of the whole child. Influences of a safe and healthful environment upon the child's development.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall, Spring

CFD 300 Special Topics in Child and Family Development

Prerequisite: permission of department.

Selected topics of contemporary interest in Child and Family Development, offered when resources and demand allow. Variable content course. May be repeated to a maximum of six hours when topics change.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CFD 301 Play as Development

A study of play and its relationship to typical and atypical development in the physical, cognitive, language, moral, social, and emotional domains. Factors that influence play such as environment, adults, children, attitudes, and beliefs are discussed. The role of play for all people throughout the lifespan is examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CFD 303 Service Learning Child and Family Development

Prerequisite: 30 hours and concurrent enrollment in a designated service learning offering within one of the major areas of study in Child and Family Development.

A service learning course incorporates a community service experience with classroom instruction to provide an integrative learning experience which addresses the practice of citizenship and promotes awareness of and participation in public affairs/service. Requires 40 hours of service to a community organization, agency, or public service provider. The community service placement and assignment will vary, depending on the specialization area and learning objectives. A list of approved placements will be available from the instructor and the Citizenship and Service Learning Office. Students are required to participate in a service learning training session(s) prior to beginning their service placement. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

CFD 304 Outdoor Play

Provides information on the importance of outdoor play, how to choose materials and equipment, adult roles and current research on outdoor play. Students will learn how to evaluate outdoor play environments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CFD 305 Multicultural Studies in Child and Family Development

A study of multicultural education for young children and their families. Emphasizes communication processes, recognizes cognitive and affective development, presents effective techniques and strategies that meet the needs of young children and families with diverse backgrounds.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

CFD 306 Death, Separation, and Loss

This course will provide a broad overview of the psychological aspects of death, separation, and loss from diverse perspectives. Topics include attitudes toward and preparation for death, children's developmentally appropriate understanding of death and loss, end-of-life decision making, the grief process, and bereavement support and interventions for children and their families. Course materials will be supplemented by students' self-reflection and writing on feelings, attitudes, and beliefs related to death, separation, and loss.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring, Summer

CFD 350 Seminar in Child and Family Development

Readings, discussion and analysis of trends and issues in child and family development.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CFD 353 Childhood Illnesses, Injuries, Diseases and Disorders

This course provides an overview of the common childhood illnesses, injuries, diseases, and disorders for psychosocial support staff who work in the healthcare field. Students will develop the knowledge and skills necessary to work with diverse pediatric populations, including children with special needs and children who have experienced trauma. Additional pediatric topics include: cystic fibrosis, cancer, diabetes, sickle cell disease, traumatic brain injury, congenital heart deformities, psychiatric diagnoses, and gastrointestinal diseases.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Summer

CFD 354 Working with the Hospitalized Child

Prerequisite: admission into the CFD major-Child Life Option and CFD 160 and CFD 260.

This course will focus on children in the healthcare environment and will cover the six required topics set forth by the Association of Child Life Professionals (ACLP): (1) official ACLP documents; (2) scope of practice; (3) impact of illness, injury, and healthcare on patients and families; (4) family-centered care; (5) therapeutic play; and (6) psychological preparation. This course will include a weekly clinical laboratory experience under the supervision of a Certified Child Life Specialist within a child life program at a local hospital.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall

CFD 360 Planning and Implementing Curriculum for Child Development Centers

Prerequisite: CFD 260.

Planning and implementing curriculum to meet the cognitive, emotional, physical, creative and social development needs for young children. Using literacy techniques learned and practiced in class and at the Child Development Center, the students will also share information within the community at libraries and in low-income child care facilities. Supporting young children, their families and teachers/caregivers in their environment is the focus of this course. This enhances our mission to encourage literacy in all parts of children's lives.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	2	6	Spring

CFD 361 Principles of Family Development

Development trends occurring in family units from premarital interactions to death and/or divorce. Lectures and discussions will apply developmental principles to today's family life styles.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CFD 365 Families in Later Life

Prerequisite: PSY 121; and CFD 155 or CFD 163 or 30 hours.

Examination of the structure and function of families in later life. Topics of interest include demographic trends impacting the structure of the family, marriage, sibling relations, parent-adult child relations, grandparenthood, widowhood, and retirement. The application of family theories and their relevance to later life families will be discussed. Identical with GER 366, PSY 366 and SWK 365. Can only receive credit for one of following: CFD 365, GER 366, PSY 366 or SWK 365.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CFD 366 Preparation for the Professional Internship

Prepares the Child and Family Development student for an internship and professional practice, including discussion of professional/ethical issues and behavior, choosing professional development sites, setting goals, writing resumes, and interviewing skills and certification.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

CFD 400 Problems in Child and Family Development

Prerequisite: 90 hours and permission.

Independent study for those who wish additional work in specific subject areas.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CFD 454 Therapeutic Play Activities for Hospitalized Children

Prerequisite: admission into the CFD major-Child Life Option and CFD 354.

This course will focus on the therapeutic aspects and developmental outcomes of play. Students will develop the skills needed to assess, plan, implement, and evaluate developmentally appropriate and therapeutic play interventions and activities with hospitalized children. This course will include a weekly clinical laboratory experience under the supervision of a Certified Child Life Specialist within a child life program at a local hospital.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

CFD 455 Infants and Toddlers: Development and Program Planning

Prerequisite: CFD 260 and 60 hours.

A study of the infant from conception through two years with a 3-hour weekly laboratory in an infant toddler center. Application of developmentally appropriate practice through laboratory participation, portfolios, and curriculum planning. A current negative TB test is required and students must obtain a Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI fingerprinting background check.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Fall, Spring, Summer

CFD 466 Internship in Programs for Children, Youth, Adults, and Families

Prerequisite: CFD 366.

Supervised active learning experiences with children, youth, or families in human service agencies; observation, discussion, and evaluation of the student's experiences. Advance registration with course instructor required. May be repeated to a maximum of 12 hours. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	0	12	Fall, Spring, Summer

CFD 499 Practicum in Child and Family Development

Prerequisite: permission of subject matter professor.

Off-campus, supervised experience in a cooperative program with business, government, community, or related establishments within any of the specialized areas of child and family development. In addition to the outline agency involvement, the student is (1) required to attend a beginning orientation and a follow-up seminar, and (2) complete assignments appropriate to subject matter specialization. May be repeated to a maximum of 12 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

CFD 500 Issues in Child and Family Development

Prerequisite: permission.

Advanced inquiry into specialized areas of study in Child and Family Development. Variable content course. May be repeated to a maximum of six hours when topics change. May be taught concurrently with CFD 600. Cannot receive credit for both CFD 600 and CFD 500.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CFD 505 Trends and Issues in Youth Development

Advanced inquiry into historical and contemporary foundations of youth development primarily from ten to eighteen years in cognitive-, physical-, social-, emotional-, moral-, spiritual-, and creative aspects. The course involves student engagement in community-based observations, interactions, and applications related to youth developmental models.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CFD 510 Child Life Theory and Practice

Prerequisite: admission into the CFD major-Child Life Option; and CFD 354 or concurrent enrollment.

This course will cover advanced topics related to the child life profession, including: stress and coping theory, psychological preparation for medical experiences, ethical issues related to healthcare delivery, non-pharmacological pain management, interdisciplinary team communication and advocacy, supervision of students, and child life program administration. May be taught concurrently with CFD 610. Cannot receive credit for both CFD 510 and CFD 610.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CFD 532 Family Advocacy

A study of the advocacy process in both the public and private sectors for directing change to benefit families and children. The course involves field trips to locations where decisions are being made that impact families and children. May be taught concurrently with CFD 632. Cannot receive credit for both CFD 632 and CFD 532.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CFD 533 Principles of Family Life Education

Prerequisite: junior standing.

A study of the philosophical and methodological considerations in facilitating family life education programs. Field experiences are a part of this course. May be taught concurrently with CFD 633. Cannot receive credit for both CFD 633 and CFD 533.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	0	Fall

CFD 534 Applied Interpersonal Communication Skills

This course utilizes an interactive format to teach basic communication skills. The course will cover talking and listening skills and a process for addressing relationship issues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Spring

CFD 557 Growth and Development: Middle Childhood to Adolescence

Overview of current research on development, middle childhood through adolescence (8-18), including physical, cognitive, social and emotional development. The roles of culture and biology in development, including families and a variety of social settings such as child care, schools, neighborhoods, and communities. May be taught concurrently with CFD 657. Cannot receive credit for both CFD 557 and CFD 657.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CFD 560 Family Engagement

A study of family engagement programs including family education, volunteerism, leadership development, and advocacy. Students are involved in practicums working with families in a variety of community settings. Students must obtain a Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI fingerprinting background check. May be taught concurrently with CFD 660. Cannot receive credit for both CFD 660 and CFD 560.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CFD 562 Prevention of Child Abuse and Neglect

The primary and secondary prevention of physical, emotional, and sexual abuse and neglect of children. Designed for professionals who work with children and families and are required by law to report suspected incidences of child abuse and neglect. May be taught concurrently with CFD 662. Cannot receive credit for both CFD 662 and CFD 562.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CFD 563 Administration of Programs for Children and Families

Types, purposes, and administration of programs for children, youth, and families. Development of leadership and management skills. Includes an overview of office policy and procedure, staff and volunteer management, public relations, budgeting, and quality assurance. May be taught concurrently with CFD 663. Cannot receive credit for both CFD 563 and CFD 663.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

CFD 580 Introduction to Research in Child and Family Development

Prerequisite: 60 hours.

Provides an introduction to empirical research and a variety of research approaches common to the social sciences. Relevant terms and statistical concepts will be presented. Research methods and experimental designs, including locating and analyzing research articles from the professional literature will be introduced. May be taught concurrently with CFD 680. Cannot receive credit for both CFD 580 and CFD 680.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CFD 600 Issues in Child and Family Development

Prerequisite: permission.

Advanced inquiry into specialized areas of study in Child and Family Development. Variable content course. May be repeated to a maximum of six hours when topics change. May be taught concurrently with CFD 500. Cannot receive credit for both CFD 500 and CFD 600.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CFD 610 Child Life Theory and Practice

Prerequisite: admission into the CFD major-Child Life Option and completion of or concurrent enrollment in CFD 354 or admission into the Child Life Studies Graduate Program.

This course will cover advanced topics related to the child life profession, including: stress and coping theory, psychological preparation for medical experiences, ethical issues related to healthcare delivery, non-pharmacological pain management, interdisciplinary team communication and advocacy, supervision of students, and child life program administration. May be taught concurrently with CFD 510. Cannot receive credit for both CFD 610 and CFD 510.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CFD 632 Family Advocacy

A study of the advocacy process in both the public and private sectors for directing change to benefit families and children. The course involves field trips to locations where decisions are being made that impact families and children. May be taught concurrently with CFD 532. Cannot receive credit for both CFD 532 and CFD 632.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CFD 633 Principles of Family Life Education

A study of the philosophical and methodological considerations in facilitating family life education programs. Field experiences are a part of this course. May be taught concurrently with CFD 533. Cannot receive credit for both CFD 533 and CFD 633.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	0	Upon demand

CFD 657 Growth and Development: Middle Childhood to Adolescence

Overview of current research on development, middle childhood through adolescence (8-18), including physical, cognitive, social and emotional development. The roles of culture and biology in development, including families and a variety of social settings such as child care, schools, neighborhoods, and communities. May be taught concurrently with CFD 557. Cannot receive credit for both CFD 657 and CFD 557.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CFD 660 Family Engagement

A study of family engagement programs including family education, volunteerism, leadership development, and advocacy. Students are involved in practicums working with families in a variety of community settings. Students must obtain a Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI fingerprinting background check. May be taught concurrently with CFD 560. Cannot receive credit for both CFD 560 and CFD 660.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CFD 662 Prevention of Child Abuse and Neglect

The primary and secondary prevention of physical, emotional, and sexual abuse and neglect of children. Designed for professionals who work with children and families and are required by law to report suspected incidences of child abuse and neglect. May be taught concurrently with CFD 562. Cannot receive credit for both CFD 562 and CFD 662.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CFD 663 Administration of Programs for Children and Families

Types, purposes, and administration of programs for children, youth, and families. Development of leadership and management skills. Includes an overview of office policy and procedure, staff and volunteer management, public relations, budgeting, and quality assurance. May be taught concurrently with CFD 563. Cannot receive credit for both CFD 663 and CFD 563.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

CFD 680 Introduction to Research in Child and Family Development

Prerequisite: 60 hours with minimum cumulative GPA (MSU and combined) of 3.00 or admission into accelerated graduate program or graduate student status.

Provides an introduction to empirical research and a variety of research approaches common to the social sciences. Relevant terms and statistical concepts will be presented. Research methods and experimental designs, including locating and analyzing research articles from the professional literature will be introduced. May be taught concurrently with CFD 580. Cannot receive credit for both CFD 680 and CFD 580.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CFD 701 Orientation to Early Childhood and Family Development

Prerequisite: admission to the Early Childhood and Family Development graduate program.

Orientation to the program and examination of seminal reading in the field.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

CFD 702 Community Engagement

Analysis of service-learning/community engagement. The main tenets of community engagement/service learning are analyzed, the community need, the academic enhancement, and reflection. The roles of all involved in community engagement/service learning, the teachers, the students, and the community partners are studied. Ethical, moral, and civic implications of community engagement/service-learning are also explored.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CFD 705 Growth and Development: Infancy through Early Childhood

Overview of current research on children's development, prenatal through age 5 years, including physical, cognitive, social and emotional development. The roles of culture and biology in development, including families and a variety of social settings such as child care, schools, neighborhoods, and communities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CFD 750 Advanced Human Development Studies

Analysis of theories and trends in human development.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CFD 761 Advanced Family Studies

Provides students with an understanding of theories used in the study of families; awareness of current demographics and trends of today's families; examines characteristics of various family structures and social influences impacting family functioning.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CFD 775 Parent and Child Relations

This course examines relevant theories and current research in parent-child relationships across the life span.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CFD 776 Advanced Studies in Infant Development

Current research on infant development, prenatal through two years of age. The roles of families and culture in early development. Applications of research findings to practice in infant and toddler care.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

Child Life Studies (CLS) courses

Child Life Studies (CLS) courses

CLS 705 Aspects of Childhood Illness and Disease

Childhood disease processes and pathophysiology, symptoms, diagnostic tests, and treatment of diseases will be discussed. Information on now disease affects a child and family's behavioral, social and emotional development and coping strategies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CLS 710 Childhood Death and Bereavement

Various theories and practice specific interventions that assist children/youth or family members when they encounter issues of death, loss, and/or grief. Examination of those issues affecting the student personally or professionally. Development of epistemology regarding death, loss, and grief.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CLS 715 Play and Therapeutic Intervention

Prerequisite: CFD 610 and CFD 750.

Developmental aspects of play and therapy related to developmental stages of children and family in the context of health-care setting. Apply play therapy techniques in dealing with childhood problems such as molestation, physical abuse, depression, trauma, and family conflict.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

CLS 720 Trends and Issues in Child Life

Topics of interest from the profession of Child Life will be discussed through readings, case studies, and review of research. The application of theory and research to current practices in Child Life will be discussed. Potential research topics will be investigated and the thesis literature review will begin. Should be taken prior to SFR 780.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CLS 790 Practicum in Child Life

Prerequisite: permission of Child Life Studies Program Director.

Students carry out play activities; supervise activities that foster creativity, divert child/youth from stress and worry and normalize their environment; and provide opportunities for children/youth to socialize and engage in developmentally appropriate activities. Practicum must

environment, and provide opportunities for children/youth to socialize and engage in developmentally appropriate activities. Practicum must be supervised by a certified Child Life Specialist.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

CLS 791 Practicum in Child Life

Prerequisite: permission of the Child Life Studies Graduate Director.

Students carry out play activities; supervise activities that foster creativity, divert child/youth from stress and worry and normalize their environment; and provide opportunities for children/youth to socialize and engage in developmentally appropriate activities. Practicum must be supervised by a certified Child Life Specialist. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

CLS 795 Child Life Internship

Prerequisite: permission of Child Life Studies Program Director.

Student will work with children/teens and families in a hospital and/or related clinical setting under the supervision of a certified Child Life Specialist. The student will accumulate 600 hours to meet the eligibility requirement to sit for the Child Life Professional Certification Exam. Special attention will be given to legal, ethical, moral, educational, cultural, spiritual, and gender issues as they relate to working with children, youth, teens and their families.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring, Summer

CLS 796 Child Life Internship

Prerequisite: permission of the Child Life Studies Graduate Director.

Student will work with children/teens and families in a hospital and/or related clinical setting under the supervision of a certified Child Life Specialist. In combination with CLS 795, the student will accumulate 600 hours to meet the eligibility requirement to sit for the Child Life Professional Certification Exam. Special attention will be given to legal, ethical, moral, educational, cultural, spiritual, and gender issues as they relate to working with children, youth, teens and their families. May not be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

CLS 798 Proposal Development for Child Life Thesis

Prerequisite: SFR 780.

Students will prepare a proposal for their thesis paper. Information and guidance completing Human Subjects Review will be provided.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring, Summer

CLS 799 Thesis Research in Child Life

Prerequisite: CLS 798 and SFR 780.

Guided development of original research and reporting in a five chapter format.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Fall, Spring, Summer

Early Childhood Education (ECE) courses

ECE 301 Emerging Literacy and Communication Arts

Prerequisite: CFD 260 and ECE 304; admission to Teacher Education Program; admission to Early Childhood Education major; concurrent enrollment in ECE 302 and ECE 303; and permission.

This course will focus on the broad areas of emerging literacy and communication arts with particular attention to the early childhood years. The development of listening, oral language, and written comprehension skills as well as an understanding of the contribution of appropriate children's literature to literacy development will be the essential components of this course. Activities, materials, and lessons in these areas will be developed with particular attention to developmentally appropriate methodology. Field experiences are a part of the course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ECE 302 Social Studies and Sociomoral Development

Prerequisite: CFD 260 and ECE 304; admission to Teacher Education Program; admission to Early Childhood Education major; concurrent enrollment in ECE 301 and ECE 303; and permission.

This course will combine the concepts found in the sociomoral domain of Project Construct as well as concepts taught in an elementary social studies curriculum. Students will develop activities, materials, and lessons that focus on the building of relationships with adults and peers, negotiating and applying rules, demonstrating confidence and creativity. Additionally, the curriculum sequences for grades Kindergarten through third, including self, home, school community, school and family, neighborhoods, and communities will be part of this course. Field experiences are a part of the course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

ECE 303 Mathematics and Science for Young Children

Prerequisite: CFD 260 and ECE 304; admission to Teacher Education Program; admission to Early Childhood Education major; concurrent enrollment in ECE 301 and ECE 302; and permission.

ECE 302, and permission.

This course will teach the student methods for the active involvement of young children in the areas of mathematics and science. Students will develop problem solving experiences and hands-on activities of these two areas. The areas of beginning mathematics concepts such as classification, seriation, and counting, as well as problem solving, applications, communication and reasoning will be part of the course. Additionally, the development of concepts in both physical, biological, and earth/space sciences and active student involvement and discovery will be included. Developmentally appropriate methodology will be presented. Field experiences are a part of the course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ECE 304 The Early Childhood Education Professional

Prerequisite: declared Early Childhood Education major.

Historical and legal perspectives of education, specifically early childhood education. Professionalism in the early childhood education field; being a reflective practitioner, formatting and beginning professional materials such as developing their philosophy of teaching, a professional resume, and lesson plans; exploring the early childhood professional code of ethics. Initial public school field experience.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ECE 315 Classroom Management and Positive Guidance in the Early Childhood Classroom

Prerequisite: admission to Early Childhood Education major.

Designed to provide the pre-service early childhood teacher with an introduction to P-3 classroom management strategies. Topics covered include best practices for classroom organization, classroom management, and positive guidance of children.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ECE 399 Field Experiences in Early Childhood Education

Prerequisite: permission of instructor.

Student participates in field experiences in area schools or approved organizations. Designed for transfer students who have partially completed the field experiences requirement, students working on early childhood certification which requires additional field experience, or it is deemed necessary that a student needs additional experiences in the field.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

ECE 400 Special Topics in Early Childhood Education

ECE 490 Special Topics in Early Childhood Education

Prerequisite: 45 hours and permission of instructor.

Independent study for those who wish additional work in specific topic areas. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

ECE 401 Curriculum For Early Childhood Education

Prerequisite: ECE 301 and ECE 302 and ECE 303 and ECE 304; admission to Teacher Education Program; admission to Early Childhood Education major; concurrent enrollment in ECE 402 and ECE 403.

Curriculum for early childhood education; underlying principles and applications; relationship to the skills of reading, writing, numbers, spelling, the creative arts, social studies, science. Field experiences are a part of the course. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ECE 402 Assessing Young Children

Prerequisite: ECE 301 and ECE 302 and ECE 303 and ECE 304; admission to Teacher Education Program; admission to Early Childhood Education major; concurrent enrollment in ECE 401 and ECE 403.

An overview and analysis of screening and diagnostic techniques and procedures for use by general classroom teachers in determining instructional programs for children from birth-grade three. Procedures for helping teachers develop programs for children from different cultural backgrounds and exceptional students integrated in general classrooms are included. Field experiences are a part of the course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

ECE 403 Integrated Arts in the Early Childhood Curriculum

Prerequisite: grade of B or higher in ECE 301 and ECE 302 and ECE 303; admission to the Early Childhood Education major; and concurrent enrollment in ECE 401 and ECE 402.

Methods and strategies for using the expressive arts (visual art, music, drama, and movement) in the early childhood classroom, which include children of diverse cultures and abilities. Provides culturally responsive instructional models and materials that meaningfully integrate the expressive arts as primary modes of communication and insight to enhance teaching and learning.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

ECE 490 Supervised Teaching (Infant/Toddler Settings)

Prerequisite: all program courses except CFD 560 and CFD 563 which may be taken with or at the completion of supervised teaching; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching.

Students will observe and then teach under the supervision of cooperating teacher and university supervisor. Participation in extra-curricular activities and other duties as assigned by the cooperating teacher and supervisor will be expected. Students will be involved in the development of lessons, materials, and units for infants and toddlers. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

ECE 491 Supervised Teaching (Preschool/Kindergarten Settings)

Prerequisite: all program courses except CFD 560 and CFD 563 which may be taken with or at the completion of supervised teaching; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching.

Students will observe then teach under the supervision of the cooperating teacher and university supervisor. Participation in extra-curricular activities and other duties as assigned by the cooperating teacher and university supervisor. Students will be involved in the development of lessons, materials, and units appropriate for preschool and Kindergarten children. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

ECE 492 Supervised Teaching (Primary Settings)

Prerequisite: all program courses except CFD 560 and CFD 563 which may be taken with or at the completion of supervised teaching; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching.

Students will observe then teach under the supervision of the cooperating teacher and university supervisor. Participation in extra-curricular activities and other duties as assigned by the cooperating teacher and university supervisor. Students will be involved in the development of lessons, materials, and units appropriate for children in primary settings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

ECE 495 Supervised Teaching in Early Childhood Education

Prerequisite: all program courses except CFD 560, CFD 563, and ECE 575, which may be taken with or at the completion of supervised teaching; current pre-professional liability insurance; and approval for supervised teaching.

Students will observe then teach under the supervision of the cooperating teacher and university supervisor. Participation in extra-curricular activities and other duties as assigned by the cooperating teacher and university supervisor. Students will be involved in the development of lessons, materials, and units appropriate for children in primary settings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

ECE 496 Supervised Teaching in Early Childhood Education

Prerequisite: all program courses except CFD 560, CFD 563, and ECE 575, which may be taken with or at the completion of supervised teaching; current pre-professional liability insurance; and approval for supervised teaching.

Students will observe then teach under the supervision of the cooperating teacher and university supervisor. Participation in extra-curricular activities and other duties as assigned by the cooperating teacher and university supervisor. Students will be involved in the development of lessons, materials, and units appropriate for children in primary settings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

ECE 499 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

ECE 501 Home/School/Community Relationships with Young Children and Their Families

Prerequisite: Elementary Education undergraduate students must take ELE 500 concurrently.

This course offers a transdisciplinary approach designed to enhance the student's understanding of the transactional relationship between the school, child and family. Particular emphasis is placed on family development and dynamics within a pluralistic society including the role that family functioning has on the child's total educational experience. May be taught concurrently with ECE 601. Cannot receive credit for both ECE 601 and ECE 501.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECE 575 Working with Culturally and Linguistically Diverse Children and Families in Early Childhood

Prerequisite: EDC 345.

Begins exploring the disposition toward inquiry needed for ongoing self-development, and focuses on the knowledge and skills needed to infuse culturally and linguistically responsive curriculum. Students will gain an understanding of their professional role in strengthening respectful, collaborative family/child partnerships through effective use of community and family resources. An emphasis will be on learning from families and focusing on how best to support culturally and linguistically diverse young children and their families. May be offered concurrently with ECE 675. Cannot receive credit for both ECE 575 and ECE 675.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ECE 601 Home/School/Community Relationships with Young Children and Their Families

This course offers a transdisciplinary approach designed to enhance the student's understanding of the transactional relationship between the school, child and family. Particular emphasis is placed on family development and dynamics within a pluralistic society including the role that family functioning has on the child's total educational experience. May be taught concurrently with ECE 501. Cannot receive credit for both ECE 501 and ECE 601.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECE 675 Working with Culturally and Linguistically Diverse Children and Families in Early Childhood

Prerequisite: Prerequisite EDC 345.

Begins exploring the disposition toward inquiry needed for ongoing self-development, and focuses on the knowledge and skills needed to infuse culturally and linguistically responsive curriculum. Students will gain an understanding of their professional role in strengthening respectful, collaborative family/child partnerships through effective use of community and family resources. An emphasis will be on learning from families and focusing on how best to support culturally and linguistically diverse young children and their families. May be offered concurrently with ECE 575. Cannot receive credit for both ECE 675 and ECE 575.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ECE 705 Field Experiences in Early Childhood Education

Students participate in field experiences in area schools and other educational settings. This course will provide field experiences with three different age groups (birth-3; 3-5; 5-8). Course is designated for graduate students needing field experiences to meet certification requirements in Early Childhood Education. Students will attend weekly scheduled class discussion sessions on campus in addition to the required field work of 15 clock hours for every credit hour. May be repeated for a maximum of three hours of credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ECE 724 Foundations of Early Childhood Education

Course will focus on the historical, psychological, philosophical, and social foundations of early childhood education. Theories and research are integrated with practical knowledge. Students will examine philosophy, curriculum, methodology, service delivery systems, and family involvement issues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECE 725 Inquiry in Early Childhood and Family Development

Inquiry in early childhood and family development. Introduction to the techniques used by education and social scientists to answer empirical questions. Includes in-depth analysis of current program-relevant theoretical and empirical studies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ECE 726 Programming and Policy Issues for Early Childhood Settings

Analysis of programs, policies and theories appropriate for young children and their families in a variety of early childhood settings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ECE 727 Children and Families in a Diverse Society

Examination of diverse cultures in American society. An analysis of racism, sexism, and other diversity issues within the school and community. Discussion of child development within different cultures and identifying changing family and community structures.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECE 728 The Educational Role of Play

A study of the social, emotional, cognitive, and language development of young children through play. Attention is given to the use of play in the organization and development of the early childhood classroom and curriculum. Current models of early childhood curriculum and their relationship to support of play will be explored.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECE 729 Literacy in Early Childhood

Develops awareness of and support for children's literacy knowledge as it grown and changes in the years from birth through early elementary school. This course emphasizes the supportive nature of the adult's role in young children's literacy learning. Descriptions of relevant, meaningful literacy events and suggestions for classroom or home support will be presented. Current research that has a bearing on methodology will be explored.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECE 730 Family Literacy

Introduction to the philosophy and theory behind family literacy, as well as discussion on the development and implementation of a family literacy program. The four-component model of adult education, early childhood education, parent and child together (PACT), and parenting will be covered, both in theory and practical application. Explores the rationale for and characteristics of comprehensive family literacy, focusing upon the families being served, services being provided, outcomes being achieved, and the role and responsibilities of individuals, organizations, and communities involved.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECE 731 Advanced Curriculum Development for Early Childhood Programs

Analysis of programs, methods, materials, and activities appropriate for early childhood education programs. Emphasis will be on developing and/or selecting strategies for a variety of programs such as day care centers, public school kindergartens and primary grades, Head Start programs, private preschools, etc.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ECE 762 Seminar in Early Childhood and Family Development

Prerequisite: ECE 771.

Guided development of research paper focused on field of Early Childhood and Family Development.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ECE 771 Proposal Development

Prerequisite: ECE 725 and SFR780.

Development of proposal for seminar paper. Proposal must be approved prior to data collection. Human subjects review will also be completed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

Early Childhood and Elementary Education (EEM) courses

EEM 305 Field Experiences in Education

Prerequisite: admitted to Teacher Education Program.

Student attends scheduled discussion sessions on campus and participates in field experiences at Greenwood Laboratory School and/or area schools. Designed for transfer students who have partially completed the field experiences requirement and students working on a certification which requires a second field experience. 1(0-2) or

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

EEM 399 Problems in Education

Prerequisite: admitted to Teacher Education Program and permission of department head.

Independent research conducted on topics relevant to the field of education. The student and instructor mutually agree upon the direction and extent of the project. Credited only on the BSEd degrees. May be repeated to a maximum of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

EEM 501 Introduction to Technology-Based Inquiry Instruction

Prerequisite: admitted to Teacher Education Program.

Introduction to eMINTS philosophy and instructional model for teachers, emphasis on constructivist-based pedagogies, questioning strategies and critical thinking; use of educational software, internet resources and classroom website design and development. Eight clock hours field experience embedded. May be taught concurrently with EEM 601. Cannot receive credit for both EEM 501 and EEM 601.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

EEM 502 Applications of Technology-Based Inquiry Instruction

Prerequisite: admitted to Teacher Education Program; and EEM 501 with grade of C or better.

Application of eMINTS philosophy, instructional model and teaching strategies; emphasis on cooperative learning, instructional use of

interactive whiteboards, information literacy and modes of classroom communication, digital file management, Webquest development and

multimedia project design and development. Eight clock hours field experience embedded. May be taught concurrently with EEM 602. Cannot receive credit for both EEM 502 and EEM 602.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

EEM 503 Implementing Technology-Based Inquiry Instruction

Prerequisite: admitted to Teacher Education Program; and EEM 501 and EEM 502 with grades of C or better.

Third course in eMINTS 3-course sequence. Emphasis on building a learning community, classroom management, instructional planning and implementation in a technology enriched classroom, interdisciplinary teaching methods, technology-assisted assessment, collaborative reflection to improve student performance. Eight clock hours field experience embedded. May be taught concurrently with EEM 603. Cannot receive credit for both EEM 503 and EEM 603.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

EEM 516 Nature Unfolds

Prerequisite: one college level science course, BIO 100 recommended; GPA of at least 2.75.

Students will increase their awareness, knowledge, and appreciation of Missouri habitats and wildlife resources and learn fundamental life and earth science related concepts by experiencing ways to use inquiry-based instructional methods in primary grades. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 616. Cannot receive credit for both EEM 516 and EEM 616.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

EEM 517 Nature Unleased

Prerequisite: one college level science course, BIO 100 recommended; GPA of at least 2.75.

Students will increase their awareness, knowledge, and appreciation of Missouri habitats and wildlife resources and learn fundamental life and earth science related concepts by experiencing ways to use inquiry-based instructional methods in intermediate grades. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 617. Cannot receive credit for both EEM 517 and EEM 617.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

EEM 518 Project Wet, WILD, and Learning Tree

Prerequisite: one college level science course, BIO 100 recommended; GPA of at least 2.75.

Students will develop skills and knowledge of conservation education using the Project Wet, WILD, and Learning Tree curriculums, which requires handling specific materials, using technology in science learning, and learning from investigations. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 618. Cannot receive credit for both EEM 518 and EEM 618.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

EEM 519 Nature Unhooked: Conserving Missouri's Aquatic Ecosystems

Prerequisite: one college level science course, BIO 100 recommended; GPA of at least 2.75.

Students will develop foundational field biology skills related to Missouri's aquatic ecosystems in order to teach in a structured educational mode, via an outdoor setting. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 619. Cannot receive credit for both EEM 519 and EEM 619.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

EEM 576 Topical Issues in Education

Prerequisite: permission may be required, see schedule.

To develop further understanding and skills in the improvement of teaching procedures, curriculum, supervision, or administration. Each course is concerned with a single topic. Number of class hours determined by semester hours of credit. A maximum of 3 hours may be used on a degree program. Variable content course. May be taught concurrently with EEM 676. Cannot receive credit for both EEM 676 and EEM 576. 1-5 D. Approved recurring course topic: B.E.A.R.S. Seminars. A series of seven (7) seminars with different topics designed to enhance and develop further understanding and skills in the improvement of teaching procedures for beginning educators. Seminars are offered monthly, with the exception of December, beginning in September and ending in April. Participation in at least six (6) of these seminars is required for credit. Participants will receive an "I" grade for the course due to the course extending through the spring semester. Grades will be changed at the end of the spring semester as requirements are met. This course is available to both beginning and veteran educators and satisfies the initial certification requirement of attending a beginning teacher assistance program with a college or university.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

EEM 596 Orientation for Intensive Language and Cultural Experience for Educators

Prerequisite: previous foreign language experience, participation in Hispanic Educational Access Initiative, and permission of instructor; students selected by application and interview process.

Prepare for international travel and exposure to the people, cultures and primary language of the host country. Students develop an introspective case study proposal to be carried out during and/or after the experience abroad. Field trips outside class are required. May be taught concurrently with EEM 606. Cannot receive credit for both EEM 606 and EEM 596.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered
1	1	0	Spring

EEM 597 Intensive Language and Cultural Experience for Educators

Prerequisite: EEM 596 and permission of instructor.

Experience three weeks of exposure to the educational system, culture and language of the host country while reflecting on their own learning. Students will conducted an introspective case study, keep a journal, and create a portfolio. May be taught concurrently with EEM 607. Cannot receive credit for both EEM 607 and EEM 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Summer

EEM 598 Post-Travel Seminar for Intensive Language and Cultural Experience for Educators

Prerequisite: EEM 596 and EEM 597 and permission of instructor.

Post-travel seminar deconstructs experience abroad. Students discuss strategies used as a learner and analyze effective teaching techniques. Participants compare cultural and language differences that teachers need to consider in teaching students in a new language. Introspective case study research and portfolios will be shared. May be taught concurrently with EEM 608. Cannot receive credit for both EEM 608 and EEM 598.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

EEM 601 Introduction to Technology-Based Inquiry Instruction

Introduction to eMINTS philosophy and instructional model for teachers, emphasis on constructivist-based pedagogies, questioning strategies and critical thinking; use of educational software, internet resources and classroom website design and development. Eight clock hours field experience embedded. May be taught concurrently with EEM 501. Cannot receive credit for both EEM 601 and EEM 501.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

EEM 602 Applications of Technology-Based Inquiry Instruction

Prerequisite: EEM 601 with grade of C or better.

Application of eMINTS philosophy, instructional model and teaching strategies; emphasis on cooperative learning, instructional use of interactive whiteboards, information literacy and modes of classroom communication, digital file management, Webquest development and multimedia project design and development. Eight clock hours field experience embedded. May be taught concurrently with EEM 502

multimedia project design and development. Eight clock hours field experience embedded. May be taught concurrently with EEM 502. Cannot receive credit for both EEM 602 and EEM 502.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

EEM 603 Implementing Technology-Based Inquiry Instruction

Prerequisite: EEM 601 and EEM 602 with grades of C or better.

Third course in eMINTS 3-course sequence. Emphasis on building a learning community, classroom management, instructional planning and implementation in a technology enriched classroom, interdisciplinary teaching methods, technology-assisted assessment, collaborative reflection to improve student performance. Eight clock hours field experience embedded. May be taught concurrently with EEM 503. Cannot receive credit for both EEM 603 and EEM 503.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

EEM 606 Orientation for Intensive Language and Cultural Experience for Educators

Prerequisite: permission.

Students selected by application and interview process. Prepare for international travel and exposure to the people, cultures and primary language of the host country. Students develop an introspective case study proposal to be carried out during and/or after the experience abroad. Field trips outside class are required. May be taught concurrently with EEM 596. Cannot receive credit for both EEM 596 and EEM 606.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Spring

EEM 607 Intensive Language and Cultural Experience for Educators

Prerequisite: EEM 606 and permission.

Experience three weeks of exposure to the educational system, culture and language of the host country while reflecting on their own learning. Students will conducted an introspective case study, keep a journal, and create a portfolio. May be taught concurrently with EEM 597. Cannot receive credit for both EEM 597 and EEM 607.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Summer

EEM 608 Post-Travel Seminar for Intensive Language and Cultural Experience for Educators

Prerequisite: EEM 606 and EEM 607 and permission.

Post-travel seminar deconstructs experience abroad. Students discuss strategies used as a learner and analyze effective teaching techniques. Participants compare cultural and language differences that teachers need to consider in teaching students in a new language. Introspective case study research and portfolios will be shared. May be taught concurrently with EEM 598. Cannot receive credit for both EEM 598 and EEM 608.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

EEM 616 Nature Unfolds

Students will increase their awareness, knowledge, and appreciation of Missouri habitats and wildlife resources and learn fundamental life and earth science related concepts by experiencing ways to use inquiry-based instructional methods in primary grades. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 516. Cannot receive credit for both EEM 616 and EEM 516.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

EEM 617 Nature Unleashed

Students will increase their awareness, knowledge, and appreciation of Missouri habitats and wildlife resources and learn fundamental life and earth science related concepts by experiencing ways to use inquiry-based instructional methods in intermediate grades. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 517. Cannot receive credit for both EEM 617 and EEM 517.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

EEM 618 Project Wet, WILD, and Learning Tree

Students will develop skills and knowledge of conservation education using the Projects Wet, WILD, and Learning Tree curriculums, which requires handling specific materials, using technology in science learning, and learning from investigations. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 518. Cannot receive credit for both EEM 618 and EEM 518.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

EEM 619 Nature Unhooked: Conserving Missouri's Aquatic Ecosystems

Students will develop foundational field biology skills related to Missouri's aquatic ecosystems in order to teach in a structured educational mode via an outdoor setting. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught

mode, via an outdoor setting. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 519. Cannot receive credit for both EEM 619 and EEM 519.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

EEM 676 Topical Issues in Education

Prerequisite: permission.

To develop further understanding and skills in the improvement of teaching procedures, curriculum, supervision, or administration. Each course is concerned with a single topic. Number of class hours determined by semester hours of credit. A maximum of 3 hours may be used on a degree program. Variable Content Course. Approved recurring course topic: B.E.A.R.S. Seminars. 1(1-0) F. A series of seven (7) seminars with different topics designed to enhance and develop further understanding and skills in the improvement of teaching procedures for beginning educators. Seminars are offered monthly, with the exception of December, beginning in September and ending in April. Participation in at least six (6) of these seminars is required for credit. Participants will receive an "I" grade for the course due to the course extending through the spring semester. Grades will be changed at the end of the spring semester as requirements are met. This course is available to both beginning and veteran educators and satisfies the initial certification requirement of attending a beginning teacher assistance program with a college or university. Variable Content Course. May be taught concurrently with EEM 576. Cannot receive credit for both EEM 576 and EEM 676.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

EEM 720 Introduction to Learner Development and Differences in Gifted and Talented Education

An introduction to gifted education and the models of giftedness, strategies of identification, and facilitation of assessment for placement of children in gifted programs. Examination of resources available to classroom teachers and exploration of the challenges and rewards involved in working with gifted students. Historical and legal aspects of the evolution of gifted education will be explored.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

EEM 721 Curriculum Planning, Instruction and Assessment in Gifted and Talented Education I

This course explores curriculum planning, instructional delivery and assessments for gifted and talented students. Understanding and selecting content that promotes higher order cognition and the processes involved in creating contexts for discovery-based learning is examined. Some online class meeting required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

EEM 722 Curriculum Planning, Instruction and Assessment in Gifted and Talented Education II

This course expands the exploration of curriculum planning, instructional delivery, and assessments for gifted and talented students with special emphasis on social-emotional aspects of gifted students. Some online class meeting required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

EEM 723 Learning Environments and Collaborations in Gifted and Talented Education

This course explores the creation of learning environments conducive to higher-order thought processes, exploration and discovery. Professional collaborative processes; techniques and means of communicating/collaborating with families, content experts/professionals, and other educators in the field of Gifted and Talented education will be examined and practiced. Some online class meeting required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

EEM 796 Problems in Education

Specific problems in education related to needs and interests of the student. May be repeated to a total of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

EEM 799 Thesis

Prerequisite: ELE 711 and SFR 780 and permission.

May be repeated to a maximum of 6 hours credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

Elementary Education (ELE) courses

ELE 300 Service Learning in Elementary Education

Prerequisite: EDC 150 and completion of 30 hours; and concurrent registration in an ELE course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in Elementary Education to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of an participation in public affairs.

Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service

placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

ELE 302 Introduction to Elementary Education and Clinical/Field Experience

Prerequisite: 30 hours, and attempted Missouri State Board of Education entry examination.

An overview of elementary school organization, management techniques, and personalized teaching styles for use with children including those from various cultural backgrounds and exceptional children who are mainstreamed in regular classrooms. Students will participate in a 30 clock hour field experience at Greenwood Laboratory School and/or area elementary schools. A grade of "B" or better is required in this course to enroll in supervised teaching.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

ELE 400 Elementary Integrated Methods and Practicum

Prerequisite: concurrent enrollment in KIN 400 required when enrolling in ELE 400 for 2 hours; and SPE 310; and concurrent enrollment in ELE 429 and/or ELE 434 and/or ELE 438; and admitted to Teacher Education Program.

Comprehensive practicum application of techniques and materials for promoting learning in the arts and physical education with language arts, mathematics, science, social studies, in area school classrooms where students will plan, teach, and assess integrated learning opportunities in the elementary core and integrated arts curriculum.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-3			Upon demand

ELE 410 Teaching and Learning in the Elementary Classroom

Prerequisite: admitted to Teacher Education Program.

This course introduces approaches to instruction and assessment and supporting learning and motivation theories; physical, social, emotional, and cognitive characteristics of children; methods of designing instruction to meet diverse learner needs; and educator's professional code of ethical conduct. Required first portfolio checkpoint will occur in this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ELE 425 Methods of Teaching Communication Arts in Elementary Schools

Prerequisite: grade of "B" or better in ELE 410 and RDG 420 and RDG 421; and grade of "C" or better in ENG 110 and ENG 210; and admitted to Teacher Education

Prerequisite: grade of "B" or better in ELE 410 and RDG 420 and RDG 421, and grade of "C" or better in ENG 110 and ENG 210; and admitted to Teacher Education Program.

Emphasis on instruction and assessment in the teaching of basic English Language Arts skills (writing, speaking and listening) and individualized instruction in English Language Arts for elementary and middle school programs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

ELE 429 Methods of Teaching of Mathematics in Elementary Schools

Prerequisite: a grade of "B" or better in ELE 410 and RDG 420 and RDG 421; and a grade of "C" or better in MTH 320 and MTH 360; and admitted to Teacher Education Program.

Emphasis upon diagnosis of skill level development, teaching basic mathematical skills, and individualizing instruction in mathematics for elementary and middle school programs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ELE 434 Methods of Teaching Science in Elementary Schools

Prerequisite: a grade of "B" or better in ELE 410 and RDG 420 and RDG 421; and a grade of "C" or better in 8 hours of science (one biology and one physical science); and admitted to Teacher Education Program.

Recommended Prerequisite: concurrent enrollment in GRY 240. Current issues and approaches in teaching elementary school science to children, including exceptional children who are mainstreamed in regular classrooms.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ELE 438 Methods of Teaching Social Studies in Elementary Schools

Prerequisite: a grade of "B" or better in ELE 410 and RDG 420 and RDG 421; and a grade of "C" or better in HST 121 or HST 122 and PLS 101 and GRY 100; and admitted to Teacher Education Program.

Emphasis upon teaching social studies, skills generalizations, attitudes, and values and the development and use of appropriate learning materials and evaluation instruments for elementary and middle school programs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ELE 440 Classroom Management and Assessment in the Elementary Classroom

Prerequisite: concurrent enrollment in ELE 429 and/or ELE 434 and/or ELE 438; and admitted to Teacher Education Program.

Planning, constructing, using, and analyzing a variety of assessment practices to support reflective decision making in the elementary classroom. Theoretical foundations of current approaches and application of best practices in classroom management including management of time, space, transactions and activities effectively with an emphasis on approaches to prevent and/or manage disruptive behavior. A 30 hour field experience in area school classrooms is required as a part of this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

ELE 458 Theory Into Practice

Prerequisite: concurrent enrollment in ELE 495.

Experiences to integrate knowledge of methodology in practical teaching situations. Individual experiences designed to supplement previous coursework will be provided. Professional development plans, placement activities and sources of professional assistance will be examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

ELE 495 Supervised Teaching (Elementary)

Prerequisite: a grade of "B" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in ELE 496.

Student observes then teaches under the direction of the cooperating teacher and university supervisor. Students participate in extra-curricular activities and attend both individual and group conferences. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

ELE 496 Supervised Teaching (Elementary)

Prerequisite: concurrent enrollment in ELE 495.

Student observes then teaches under the direction of the cooperating teacher and university supervisor. Student participates in school-related activities and attends both individual and group conferences. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5-6			Fall, Spring

ELE 499 Clinical Experiences in Teaching II

Prerequisite: a grade of "B" or better in EDC 199; and admitted to Teacher Education Program; and a grade of "B" or better in all professional education courses; and a grade of "B" or better in ELE 429 or ELE 603 and ELE 434 or ELE 604 and ELE 438 or ELE 602 and ELE 500 or ELE 600 and ELE 510 or ELE 605 and RDG 420 or RDG

656 and RDG 421 or RDG 656; and a grade of "C" or better in MTH 320 and MTH 360 and HST 121 or HST 122 and PLS 101 and GRY 100 and GRY 240 and 8 hours of science (one biology and one physical science); and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

ELE 500 Current Issues and Applications in Elementary Education

Prerequisite: grade of "B" or better in ELE 429 and ELE 434 and ELE 438 and RDG 420 and RDG 421; and grade of "C" or better in GRY 240; and concurrent enrollment in ELE 510.

Application of current innovations and examination of contemporary issues facing elementary teachers including classroom management, inclusion, English language learners, integrated planning and instruction with art, music, health and physical education. A comprehensive field experience in area school classrooms is required. May be taught concurrently with ELE 600. Cannot receive credit for both ELE 600 and ELE 500. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-5			Fall, Spring

ELE 501 Home/School/Community Relationships with Elementary Children and their Families

Prerequisite: grade of "B" or better in ELE 429 and ELE 434 and ELE 438 and RDG 420 and RDG 421; and concurrent enrollment in ELE 500.

This course is designed to enhance the teacher candidate's collaboration skills and understanding of the relationships between school, colleagues, community, child and family. Emphasis is placed on diverse family dynamics within a pluralistic society including the role family functioning has on the child's total educational experience and children as individual learners.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

ELE 502 Integrated Arts in Elementary Education Curriculum

Prerequisite: grade of "B" or better in ELE 429 and ELE 434 and ELE 438 and RDG 420 and RDG 421; and concurrent enrollment in ELE 500.

Methods and strategies for using the arts as tools for learning in the contemporary regular elementary school classroom which includes children of diverse cultures and abilities. Provides culturally responsive instructional models and materials that meaningfully integrate visual and theatre arts and music as primary modes of communication and insight to enhance teaching and learning.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

1 **Credit hours**	1 **Lecture contact hours**	0 **Lab contact hours**	Fall, Spring **Typically offered**

ELE 510 The Reflective Practitioner

Prerequisite: grade of "B" or better in ELE 429 and ELE 434 and ELE 438 and RDG 420 and RDG 421; and concurrent enrollment in ELE 500.

Introduces students to action research as reflection on their own teaching and learning, and their students' learning and achievement. Requires an intensive field experience in area elementary school. May be taught concurrently with ELE 605. Cannot receive credit for both ELE 605 and ELE 510. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ELE 530 Teaching English Language Learners in the Elementary Classroom

Prerequisite: grade of "B" or better in ELE 429 and ELE 434 and ELE 438 and RDG 420 and RDG 421.

Focuses on state and federal mandates for educating English language learners in U.S. public schools. Introduces the fundamentals of second language acquisition and instructed academic language learning. Emphasis on current, standards-based approaches to teaching English language learners in the regular elementary classroom through differentiation and sheltered instruction of grade-level content.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

ELE 600 Current Issues and Applications in Elementary Education

Prerequisite: grade of "B" or better in ELE 429 or ELE 603, and ELE 434 or ELE 604, and ELE 438 or ELE 602, and RDG 420 or RDG 656, and RDG 421 or RDG 656; and grade of "C" or better in GRY 240; and concurrent enrollment in ELE 605.

Application of current innovations and examination of contemporary issues facing elementary teachers including classroom management, inclusion, English language learners, integrated planning and instruction with art, music, health and physical education. A comprehensive field experience in area school classrooms is required. May be taught concurrently with ELE 500. Cannot receive credit for both ELE 500 and ELE 600.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-5			Fall, Spring

ELE 601 Communication Arts Instruction in the Elementary School

Prerequisite: ELE 302 and permission of Director of Graduate Program in consultation with the Teacher Certification and Compliance Office.

Study of the development of language and communication abilities, procedures and instruments for assessing language development, and techniques and materials for promoting development in communication skills for elementary and middle school programs. Critical review of current research-based practices will be required as well as application of those strategies in lesson planning. Course limited to certification students only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ELE 602 Social Studies Instruction in the Elementary School

Prerequisite: grade of "B" or better in ELE 410, and RDG 420 or RDG 656, and RDG 421 or RDG 656; and grade of "C" or better in HST 121 or 122, and PLS 101 and GRY 100; and admission to graduate Elementary Education program.

Current issues and approaches in teaching elementary school social studies to children including exceptional children who are mainstreamed in the regular classroom. Critical review of current research-based practices will be required as well as application of those strategies in lesson planning and teaching.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ELE 603 Mathematics Instruction in Elementary Schools

Prerequisite: grade of "B" or better in ELE 410, and RDG 420 or RDG 656, and RDG 421 or RDG 656; and grade of "C" or better in MTH 320 and MTH 360; and admission to graduate Elementary Education program.

Emphasis upon diagnosis of skill level development, teaching basic mathematical skills, and individualizing instruction in mathematics for elementary and middle school programs. Critical review of current research-based practices will be required as well as application of those strategies in lesson planning.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ELE 604 Science Instruction in the Elementary School

Prerequisite: grade of "B" or better in ELE 410, and RDG 420 or RDG 656, and RDG 421 or RDG 656; and grade of "C" or better in 8 hours of science (one biology and one physical science); and admission to graduate Elementary Education program.

Current issues and approaches in teaching elementary school science to children including exceptional children who are mainstreamed in the regular classroom. Critical review of current research-based practices will be required as well as application of those strategies in lesson planning and teaching.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ELE 605 The Reflective Practitioner

Prerequisite: grade of "B" or better in ELE 429 and ELE 434 and ELE 438, and RDG 420 or RDG 656, and RDG 421 or RDG 656; and concurrent enrollment in ELE 600.

Introduces students to action research as reflection on their own teaching and learning, and their students' learning and achievement. Requires an intensive field experience in area elementary school. May be taught concurrently with ELE 510. Cannot receive credit for both ELE 510 and ELE 605.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ELE 710 Elementary School Curriculum

The purpose of this course is to analyze the philosophical and theoretical frameworks that guide elementary curriculum for the assumptions that each makes with regard to teaching and learning. Students will be introduced to the development of curriculum and curriculum materials for use in elementary educational settings. Students will examine the social, political and institutional contexts in which curriculum is developed and used, curriculum development methods and process, and various methods for the implementation, evaluation and distribution of curriculum materials.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ELE 711 Contemporary Issues in Elementary Curriculum

Contemporary issues confronting the modern elementary school; current problems, innovations and proposed changes which affect the total elementary school program. Trends and issues that are developing at the national level.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring, Summer

ELE 713 Advanced Theory and Practice in the Teaching of Communication Arts

Materials, methods and procedures for effective classroom presentation of communication arts. Selection, organization and development of content materials; current issues and trends in the field.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ELE 714 Advanced Theory and Practice in the Teaching of Social Studies

Materials, methods and procedures for effective classroom presentation of social studies. Selection, organization and development of content materials; current issues and trends in the field.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ELE 715 Advanced Theory and Practice in the Teaching of Mathematics

Materials, methods and procedures for effective classroom presentation of elementary mathematics. Selection, organization and development of content materials; current trends and issues in the field.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered
3	3	0	Spring

ELE 716 Advanced Theory and Practice in the Teaching of Science

Materials, methods and procedures for effective classroom presentation of elementary science. Emphasis is placed on teaching science as inquiry and experimentation. Selection, organization and development of content materials; current trends and issues in science education.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ELE 717 Advanced Theory and Practice in the Teaching of Economic Education

Materials, methods, and procedures for effective classroom presentation of economic education. Selection, organization, and development of curriculum materials, current issues and trends in the field of economics. Presents students with a framework for proper scope and sequencing of economics concepts to develop an awareness of appropriate benchmarks for economic education instruction.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ELE 720 Advanced Theory and Practice in Student Assessment and Evaluation

Materials, methods, and procedures for effective assessment and evaluation of students. Planning, selection, construction, use, and analysis of a variety of assessment practices including formal and informal approaches. Application of knowledge learned throughout course will help students make judicious and reflective decisions while teaching.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ELE 721 Standards-Based Integrated Curriculum, Learning, and Teaching

Analysis and application of current theories and research on integrated curriculum and learning, performance assessment, and standards-based education. Develop classroom, school-wide and/or district-wide curricula based on state standards. Focus is on deciding what is essential to teach and on improving learners' math and literacy skills across the curriculum.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ELE 722 Differentiated Instruction for Early Childhood, Elementary, and Middle School

Materials, methods, and procedures for effective differentiation of instruction and evaluation of students. Planning, selection, construction, use and analysis of a variety of differentiate instructional practices across grade levels and disciplines, paying close attention to elementary and middle school learners. Application of knowledge learned throughout course will help students made judicious and reflective decisions while teaching.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ELE 725 The Emerging Master Teacher

Prerequisite: minimum GPA of 3.00 in the last 60 hours.

This course is designed to engage students in collective and individual inquiry regarding the "problem space" of teaching and learning. It explores current and historical trends/theories that have shaped teaching practices, curriculum design, and assessments of learning.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

ELE 730 Internship in Number and Operations

Prerequisite: admission to the Elementary Mathematics Specialist program; and two years of elementary or middle school teaching; and concurrent enrollment in MTH 750.

A supervised mathematics teaching practicum with online seminars in which the candidate acquires experience working with a range of students and adult learners (teachers and parents) on concepts related to numbers and operations in base ten appropriate in K-5 students.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

ELE 732 Internship in Rational Numbers and Proportional Thinking

Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of elementary or middle school teaching; and concurrently enrollment in MTH 752.

A supervised mathematics teaching practicum with online seminars in which the candidate acquires experience working with a range of students and adult learners (teachings and parents) on rational number and proportional thinking concepts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

ELE 734 Internship in Algebraic Reasoning

Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of elementary or middle school teaching; and concurrently enrollment in MTH 754.

A supervised mathematics teaching practicum with online seminars in which the candidate acquires experience working with a range of students and adult learners (teacher and parents) on concepts related to algebraic reasoning appropriate in K-5 students.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

ELE 736 Foundations of Mathematical Leadership I for Elementary Mathematics Specialists

Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of elementary or middle school teaching.

This introductory course provides opportunities for participants to develop knowledge and understanding of leadership principles and the process of continuous improvement as it relates to the roles and responsibilities of elementary mathematics specialists.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

ELE 737 Foundations of Mathematical Leadership II for Elementary Mathematics Specialists

Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of elementary or middle school teaching.

This second leadership course in the Elementary Mathematics Specialists program focuses on research and practice related to teamwork, interaction, communication, conflict resolution, and leadership in K-5 schools. Candidates will also examine effective strategies for influencing and facilitating school/district improvement (e.g., mentoring and observing colleagues, conducting professional development, and making data-informed decisions to improve student learning) collaborating with colleagues and administration. Candidates will focus on mentoring and observing colleagues, conducting professional development, and making data-informed decisions to improve student learning school- and district-wide.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ELE 738 Internship in Geometry and Measurement

Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of elementary or middle school teaching; and concurrent enrollment in MTH 760.

A supervised mathematics teaching practicum with online seminars in which the candidate acquires experience working with a range of students and adult learners (teachers and parents) on geometry and measurement concepts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

ELE 771 Proposal Development

Prerequisite: SFR 780.

Development of proposal for seminar paper or thesis. Proposal must be approved prior to data collection. Human subjects review will also be completed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring, Summer

ELE 772 Research Seminar in Elementary Education

Prerequisite: ELE 711 and SFR 780.

Guided development of a research paper or a creative project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall, Spring

ELE 775 Research Study in Elementary Education

Prerequisite: SFR 780; and ELE 711 in which a project has been identified for completion in ELE 772.

Guided development of a research paper or creative project. Individual work with faculty member on developing the proposal for a research study or continued work on a study beyond the duration of ELE 772. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

ELE 803 Curriculum and Assessment in Mathematics Education

Prerequisite: Master's degree in Education, Mathematics Education or related field; ELE 737; and may be taken concurrently with ELE 804.

This course is designed to deepen students understanding of current mathematics curriculum, curriculum alignment with current standards and textbooks, and assessment tools for meeting the diverse needs of students. Students will also learn to develop and provide professional development in various areas of mathematics teaching and how to communicate assessment results to teachers, parents and other constituents.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

ELE 804 Mathematical Leadership III for Mathematics Specialists

Prerequisite: Master's degree in Education, Mathematics Education or related field; ELE 737; and ELE 803 or concurrent enrollment.

This course focuses on research and practice related to teamwork, coaching, communication, conflict resolution, and more intensive leadership training. It examines effective strategies for influencing and facilitating school/district improvement and includes an embedded practicum.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall (odd-numbered years), Spring (even-numbered years)

ELE 805 Seminar in Mathematics Education

Prerequisite: ELE 803 and ELE 804.

This course is designed to guide students in conducting a research paper or creative project focused on mathematics education.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years), Spring (even-numbered years)

Family and Consumer Sciences (FCS) courses

FCS 110 Housing, Environments, and Design

Examines physical, psychological and sociological influences that impact families in various living environments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

FCS 120 Family Health and Nutrition

Current trends in family health care and home nursing care; practice in the laboratory. Basic concepts of human nutrition which includes carbohydrates, lipids, proteins, vitamins, minerals, absorption, digestion, and energy utilization as they relate to health and food consumption at different states in the life cycle.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

FCS 197 Introductory Topics in Family and Consumer Sciences

Variable content course for introductory concepts in Family and Consumer Sciences. May be repeated to a total of 6 hours when topics change.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

1-3			Upon demand

FCS 299 Work Experience

Prerequisite: permission of subject matter faculty member or coordinator.

Students will secure positions in their area of specialization in order to gain work experience. This practicum is usually scheduled between their freshman and sophomore years. Working in a coordinated program the student will be evaluated by both the company supervisor and the practicum coordinator. Besides work experience, the student can be expected to gain in career direction as well as in the application of the principles and practices of their respective specialization. 200 minimum work hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

FCS 300 Special Topics in Family and Consumer Sciences

Selected topics of contemporary interest in Family and Consumer Sciences, offered when resources and demand allow. May be repeated to a total of 6 hours when topics change. Variable Content Course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

FCS 301 Textiles, Apparel, and Fashion

Textiles and apparel course for teachers of Family the Consumer Sciences. Study of textiles used in apparel, selection and care of apparel, apparel construction techniques, and cultural, aesthetic, historical, legal and environmental aspects of textiles, apparel and fashion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

FCS 302 Family and Consumer Sciences Study Tour

Study of mills, factories, stores, hospitals, laboratories, hospitality facilities, museums, design studios, historic sites, and/or trade markets, and not-for-profit agencies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

FCS 303 Service Learning in Family and Consumer Sciences

Prerequisite: 30 hours and concurrent registration in a designated service learning offering within one of the major areas of study in Family and Consumer Sciences.

A service learning course incorporates a community service experience with classroom instruction to provide an integrative learning experience which addresses the practice of citizenship and promotes an awareness of and participation in public affairs/service. Requires 40 hours of service to a community organization, agency, or public service provider. The community service placement and assignment will vary

hours of service to a community organization, agency, or public service provider. The community service placement and assignment will vary, depending on the specialization area and learning objectives. A list of approved placements will be available from the instructor and the

Citizenship and Service Learning Office. Students are required to participate in a service learning training session(s) prior to beginning their service placement. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

FCS 335 Presentation Techniques

Prerequisite: COM 115 and 60 hours.

Planning and presenting techniques for teaching in the classroom, business, industry, or extension settings. A focus on professional presentation strategies incorporating the use of multimedia technology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

FCS 373 Family Economics

Recommended Prerequisite: ECO 155. Family as a consumer unit, its financial well-being and interrelationship with the market and the economy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

FCS 400 Problems in Family and Consumer Sciences

Independent study for those who wish additional work in specific subject areas.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

FCS 472 Resource Management Theory and Practicum

Prerequisite: CFD 163 and FCS 373.

Study of family and individual resource management concepts and application of resource management principles and techniques with emphasis on group dynamics and problem solving. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

FCS 477 Seminar in Home Management and Family Economics

Prerequisite: senior standing and major in Family and Consumer Science BSEd program.

Readings, discussion and analysis of trends and developments in home management and family economics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	2	Spring

FCS 493 Supervised Teaching (Family and Consumer Sciences)

Prerequisite: completion of all methods courses in Family and Consumer Sciences; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in FCS 494.

Student observes then teaches family and consumer sciences classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

FCS 494 Supervised Teaching (Family and Consumer Sciences)

Prerequisite: concurrent enrollment in FCS 493.

Student observes then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

FCS 498 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

FCS 499 Internship in Family and Consumer Sciences

Prerequisite: permission of subject matter faculty member.

Off-campus, supervised experience in a cooperative program with business, government, community, or related establishments within any of the specialized areas of family and consumer sciences. In addition to the outline agency involvement, the student is (1) required to attend a beginning orientation and a follow-up seminar, and (2) complete assignments appropriate to subject matter specialization. May be repeated up to 12 hours credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

FCS 500 Issues in Family and Consumer Sciences

Prerequisite: senior standing.

Advanced inquiry into specialized areas of study in Family and Consumer Sciences such as: Blended Families, Historic Building Preservation, Textile Conservation, Preservation Techniques, Advanced Culinary Techniques, and International Trends in Hospitality. May be repeated to a total of 6 hours when topics change. Variable content course. May be taught concurrently with FCS 600. Cannot receive credit for both FCS 600 and FCS 500.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

FCS 502 Study Tour

Prerequisite: junior or senior standing.

Study of and/or visits to mills, factories, stores, museums, hospitals, laboratories, design studios and/or trade markets. May be taught concurrently with FCS 602. Cannot receive credit for both FCS 602 and FCS 502.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

FCS 507 Student Organizations in Family and Consumer Sciences

Prerequisite: FCS 335; and concurrent enrollment in FCS 512.

Methods of organizing student groups in Family and Consumer Sciences programs, techniques of working with students in individual and group projects; leadership training. May be taught concurrently with FCS 607. Cannot receive credit for both FCS 607 and FCS 507.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

FCS 512 Teaching Family and Consumer Sciences

Prerequisite: FCS 335; and EDC 350; and concurrent enrollment in FCS 507; and admitted to Teacher Education Program.

An overview of the philosophy and history of family and consumer sciences education; includes curriculum building with emphasis on critical thinking and reflective decision-making, problem-based learning, and the development of authentic assessments. Includes the planning of lessons, units, and development of teaching materials in the family and consumer sciences discipline and practice implementation of such lessons. Completion of checkpoint II for the Professional Portfolio is a component of this course. Credited only on BSEd Family and Consumer Sciences major. Cannot be taken Pass/Not Pass. May be taught concurrently with FCS 612. Cannot receive credit for both FCS 612 and FCS 512.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

FCS 515 Organization of Family and Consumer Sciences Programs

Prerequisite: FCS 507 and FCS 512; and admitted to Teacher Education Program.

Investigation of the organization and administration of family and consumer sciences programs; identification of types of programs; program planning, program evaluation and career counseling with emphasis on critical thinking and reflective decision-making. Credited only on BSEd Family and Consumer Sciences major. Cannot not be taken Pass/Not Pass. May be taught concurrently with FCS 615. Cannot receive credit for both FCS 615 and FCS 515.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

FCS 600 Issues in Family and Consumer Sciences

Advanced inquiry into specialized areas of study in Family and Consumer Sciences such as: Blended Families, Historic Building Preservation, Textile Conservation, Preservation Techniques, Advanced Culinary Techniques, and International Trends in Hospitality. May be repeated to a total of 6 hours when topics change. Variable content course. May be taught concurrently with FCS 500. Cannot receive credit for both FCS 500 and FCS 600.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

FCS 602 Study Tour

Study of and/or visits to mills, factories, stores, museums, hospitals, laboratories, design studios and/or trade markets. May be taught

concurrently with FCS 502. Cannot receive credit for both FCS 502 and FCS 602.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

FCS 607 Student Organizations in Family and Consumer Sciences

Prerequisite: concurrent enrollment in FCS 612.

Methods of organizing student groups in Family and Consumer Sciences programs, techniques of working with students in individual and group projects; leadership training. May be taught concurrently with FCS 507. Cannot receive credit for both FCS 507 and FCS 607.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

FCS 612 Teaching Family and Consumer Sciences

Prerequisite: concurrent enrollment in FCS 607.

An overview of the philosophy and history of family and consumer sciences education; includes curriculum building with emphasis on critical thinking and reflective decision-making, problem-based learning, and the development of authentic assessments. Includes the planning of lessons, units, and development of teaching materials in the family and consumer sciences discipline and practice implementation of such lessons. Completion of checkpoint II for the Professional Portfolio is a component of this course. A grade of "C" or better is required in this course. May be taught concurrently with FCS 512. May be receive credit for both FCS 512 and FCS 612.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

FCS 615 Organization of Family and Consumer Sciences Programs

Prerequisite: FCS 607 and FCS 612.

Investigation of the organization and administration of family and consumer sciences programs; identification of types of programs; program planning, program evaluation and career counseling with emphasis on critical thinking and reflective decision-making. May be taught concurrently with FCS 515. Cannot receive credit for both FCS 515 and FCS 615.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

FCS 701 Supervision of Student Teachers in Family and Consumer Sciences

Prerequisite: teaching experience in Family and Consumer Sciences; and permission.

Experiences in creating an environment that will encourage Family and Consumer Sciences student teachers to realize their potentials and gain competence in teaching.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

FCS 715 Child and Family Development Instruction in the Middle and High School

Current issues and approaches in teaching child and family development at the middle and high school levels. Critical review of current research-based practices will be required as well as application of those strategies in lesson planning and teaching.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

FCS 720 Advanced Curriculum Development for Family and Consumer Sciences Programs

Analysis of programs, methods, materials, and activities appropriate for Family and Consumer Sciences programs. Emphasis will be on developing and/or selecting strategies for a variety of programs such as middle school, high school, ProStart, HTMP, Early Childhood.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

FCS 725 Career and Technical Education Leadership

Advanced inquiry into career and technical education as a teacher leader. Emphasis will be on developing and/or selecting strategies for a variety of programs such as FCCLA, SkillsUSA, ACTE.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

FCS 795 Advanced Technical Practice

Prerequisite: permission.

Work in CAD, EDI, Child Life, mental health, hospitality, clinical hospitals, schools, manufacturing, retailing, and/or other settings. Ninety clock hours required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

FCS 796 Practicum

Prerequisite: permission.

The assumption of responsibilities at an approved practicum site under the direction of a professor and practicum site supervisor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	0	8	Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Child and Family Development

Major(s)

Child and Family Development (Comprehensive)

Bachelor of Science

Admission Requirements for the Child Life Option

The Child and Family Development Child Life Option has a selective admission policy. Child Life Option students must complete and meet the following application requirements. Students will write a one page essay describing their interest in a career to become a Child Life Specialist and the role of a Child Life Specialist. Students must have a 3.00 cumulative GPA, 100 hours of verified volunteer experience in a hospital setting, two letters of recommendation, one of which must be from the hospital volunteer site. Applications for the Child Life Option must be submitted to the Childhood Education and Family Studies Department office during the semester prior to junior year by February 28. As this is a competitive program, admission is not guaranteed.

Transfer students must also apply for admission for the Child Life Option. Transfer students must meet with a Child Life advisor to determine when they are eligible to complete the application and essay. All students must adhere to the deadlines stated above.

The application and resume will be reviewed by a committee appointed by the Department Head. Criteria for selection will be based on GPA, written essay, two letters of recommendation and verified volunteer hours. Students will be notified of the decision in writing by March 31. Students who are not accepted into the program may reapply in the following semester.

Program Requirements

A. General Education Program and Requirements
   1. Child Life option requires BMS 110(3) and 111(1). All other options require BIO 100(4), or BIO 101(3) and 111(1).
   2. All options require CFD 155(3) and PSY 121(3).

B. Major Requirements
   1. Core Courses (29 hours): CFD 110(3), 150(1), 160(3), 163(3), 305(3), 366(1), 466(6), 557(3), 562(3), 563(3)
   2. Complete one of the following options:
      a. **Child Development** (25 hours): CFD 250(3), 255(3), 260(4), 301(3), 360(5), 455(4), 560(3)
      b. **Child Life** (45 hours): CFD 260(4), 301(3), 306(3), 353(3), 354(4), 454(3), 455(4), 499(3), 510(3), 560(3), 580(3); LLT 102(2); BMS 307(4); COM 206(3)
      c. **Family Studies** (26 hours): CFD 250(3), 361(3); 306(3) or 365(3); 532(3), 533(4), 534(1), 560(3); COM 506(3); FCS 373(3)
      d. **Youth Development** (21 hours): CFD 250(3), 260(4), 301(3), 360(5), 505(3), 560(3)
   3. With approval of advisor, complete support electives to bring total hours in degree to a minimum of 120: Child Development option (18 hours), Family Studies option (17 hours), Youth Development option (22 hours).
   4. Candidates for the Bachelor of Science in Child and Family Development are required to meet the following grade requirement: a grade of "C" or better in each CFD course or any required course for the options required for graduation.
   5. Public Affairs Capstone Experience will be fulfilled by completion of CFD 466(6).

C. General Baccalaureate Degree Requirements

Minor(s)

Child and Family Development

Bachelor of Arts

Bachelor of Science

Bachelor of Social Work

A. Select six hours from the following, with approval of a CFD advisor: CFD 155(3), 160(3), 163(3)
B. Select twelve hours from any CFD course or FCS 373(3) with approval of a CFD advisor to bring total to at least 18 hours.

Accelerated graduate program in Child Life Studies

Eligible Missouri State Child and Family Development/Child Life option students may apply for admission to the Child Life Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Early Childhood and Family Development

Eligible Missouri State undergraduate students may apply for admission to the Early Childhood and Family Development program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 10 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Early Childhood Education

Major(s)

Early Childhood Education

Bachelor of Science in Education (Certifiable Birth-Grade 3)

The curriculum for early childhood teaching leads to the degree of Bachelor of Science in Education and carries with it an initial professional certificate (PCI) to teach in the state of Missouri. Holders of this early childhood certificate may be employed to teach from birth through grade 3.

Admission Requirements

The Early Childhood Education program has a selective admission policy. In addition to meeting all requirements for admission to the Teacher Education Program, those wishing to pursue a degree in Early Childhood Education must complete a separate application after completing 45 credit hours, having CFD 160 completed or in progress, earning a GPA of 2.75, and passing all sections of the Missouri General Education Assessment (MoGEA). In addition to the application form, students will write a one-page essay describing their interest in a career in Early Childhood Education. More details are available on the application form itself which is available in the Education Advisement Center, Hill Hall 213, and in the department office in Hill Hall 312. Applications for the program must be submitted October 1 or March 15. As this is a competitive program, admission is not guaranteed.

Transfer students and postbaccalaureate students must also apply for admission to the Early Childhood Education program. Transfer students must meet with advisors in the Education Advisement Center and postbaccalaureate students must meet with staff from Professional Education Certification to determine when they are eligible to complete the application and essay. All students must adhere to the deadlines stated above.

The application and essay will be reviewed by a committee appointed by the Department Head. Criteria for selection will be based on GPA, written essay, and ACT composite score or passing scores on all four sub-tests of the Missouri General Education Assessment (MoGEA) Missouri State Board of Education entry examination. Students will be notified of the decision in writing. Students who are not accepted into the program may reapply in the following semester.

Retention Requirement

Students are required to maintain a combined (Missouri State and transfer) GPA of 2.75 to continue in the Early Childhood Education program. If a student drops below the required 2.75 GPA, the student will be dismissed from the program and may reapply once the GPA requirement is once again met.

Degree Requirements

In order to meet Missouri state teacher certification requirements, candidates for the Bachelor of Science in Education degree are required to meet the following grade point average requirements. All GPA requirements are a combination of Missouri State and transfer grades.

1. a combined (Missouri State and transfer) GPA of 2.75 or higher
2. a grade of “C” or higher in all courses listed under A
3. a combined (Missouri State and transfer) GPA of 3.00 or higher across all courses listed under B; and a grade of "C" or higher in all courses listed under B (except number 4, which requires a grade of “B” or higher)

Additionally, students must earn a composite score of 20 or better on the ACT or earn passing scores on all four sub-tests of the Missouri General Education Assessment (MoGEA) and successfully complete the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education.

All students must be admitted to the Teacher Education Program and have successfully completed Supervised Teaching in order to earn this degree. Refer to Teacher Education Program for application procedures.

Program Requirements

A. General Education Requirements
Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:
1. Focus on Written Communication (6 hours): Completion of general education requirement with a grade of "C" or better: ENG 110(3) and ENG 210(3).
2. Focus on Quantitative Literacy: Completion of general education requirement with a grade of "C" or better. MTH 130(3) recommended.
3. Focus on Oral Communication: Completion of general education requirement with a grade of "C" or better: COM 115(3).
4. Focus on Life Sciences: Completion of general education requirement with a grade of "C" or better: BIO 100(4).
5. Focus on Physical Sciences: Completion of general education requirement with a grade of "C" or better: Choose one course from PHY 101(4), GLG 110(4), GLG 171(3), GRY 142(4), GRY 135(4).
6. Focus on Social and Behavioral Sciences: Completion of general education requirement with a grade of "C" or better: PSY 121(3) and CFD 163(3) required.
7. Courses used to meet the Focus on Humanities and the Focus on the Arts must have two (2) different course codes to meet state certification requirements. Completion of general education requirement with a grade of "C" or better: ART 200 or MUS 241 recommended.
8. Focus on Constitution of U.S. and Missouri and American History and Institutions: Completion of general education requirement with a grade of "C" or better: HST 121(3) or HST 122(3); and PLS 101(3).

B. Professional Education Degree Requirements for Teacher Certification (88 hours):
1. Content Planning and Instruction. Completion of requirement with a grade of “C” or better: EDT 365(3), ECE 575(3), MTH 320(3), RDG 318(3).
2. Individual Student Needs. Completion of requirement with a grade of “C” or better: CFD 160(3), SPE 310(3), SPE 523(3), ECE 315(3), EDC 345(3), PSY 360(3), EDT 520(1).
3. Schools and the Teaching Profession. Completion of the requirement with a grade of “C” or better: ECE 304(3).
4. Teaching and Supporting Learning of the Young Child (minimum of 30 hours). Completion of requirements with a grade of “B” or higher: CFD 260(4), CFD 455(4), CSD 312(3), ECE 301(3), ECE 302(2), ECE 303(3), ECE 401(3), ECE 402(2), ECE 403(1), RDG 420(3), RDG 421(2).
5. Home-School-Community Relations (minimum of 6 hours). Completion of requirement with a grade of “C” or better: CFD 560(3), CFD 163(3) fulfilled by General Education #A6 above.
6. Program Management (minimum of 6 hours). Completion of requirement with a grade of “C” or better: CFD 110(3), CFD 563(3).
7. Field and Clinical Experiences (minimum of 12 hours). Completion of requirement with a grade of “C” or better: ECE 495(6), ECE 496(6).
8. Public Affairs Capstone Experience will be fulfilled by completion of ECE 401(3).

C. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification.

D. General Baccalaureate Degree Requirements

Accelerated graduate program in Early Childhood and Family Development

Eligible Missouri State undergraduate students may apply for admission to the Early Childhood and Family Development program and begin taking graduate course work as they complete the work for a bachelor’s degree. A maximum of 10 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed

Credit.

Accelerated graduate program in Early Childhood Special Education

Eligible Missouri State undergraduate students may apply for admission to the Early Childhood Special Education program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Educational Technology

Eligible Missouri State undergraduate students may apply for admission to the Educational Technology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Elementary Education

Major(s)

Elementary Education

Bachelor of Science in Education (Certifiable grades 1-6)

The curriculum for elementary teaching leads to the degree of Bachelor of Science in Education and carries with it an initial professional certificate (IPC) to teach in the state of Missouri. Holders of this elementary certificate may be employed to teach in grades 1-6.

Admission Requirements

All students must be admitted to the Teacher Education Program. Refer to Teacher Education Program for application procedures. In addition to meeting all requirements for admission to the Teacher Education Program, those wishing to pursue a degree in Elementary Education must have a combined (Missouri State and transfer) GPA of 2.75 or higher.

Degree requirements

In order to meet Missouri state teacher certification requirements, candidates for the Bachelor of Science in Education degree are required to meet the following grade point average requirements. All GPA requirements are a combination of Missouri State and transfer grades.

1. a combined (Missouri State and transfer) GPA of 2.75 or higher
2. a grade of “C” or higher in all courses listed under A and B below
3. a combined (Missouri State and transfer) GPA of 2.75 or higher in the program focus area listed under D below.
4. a combined (Missouri State and transfer) GPA of 3.00 or higher across all courses and a grade of "B" or higher in each course listed under E below

Additionally, students must earn a composite score of 20 or better on the ACT or earn passing scores on all four sub-tests of the Missouri General Education Assessment (MoGEA) and successfully complete the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education.

All students must be admitted to the Teacher Education Program and have successfully completed Supervised Teaching in order to earn this degree. Refer to Teacher Education Program for application procedures.

Pre-service teacher training experience (the 500's)

To assure an optimal pre-service teacher training experience and adhere to quality standards established by the Missouri State Department of Education and the Council for the Accreditation of Educator Preparation, all students seeking the Bachelor of Science in Education – Elementary Education (grades 1-6 certification) are required to enroll in a 12 credit hour block of courses in the semester preceding supervised teaching. This block of courses includes ELE 500(4), ELE 501(2), ELE 510(3), ELE 530(2), and EDT 520(1). An extensive field experience in area public school classrooms is included in this block and students must commit two full school days to the field experience that semester which equates to 7:30 a.m. to 4:00 p.m.

Program requirements

A. General Education Requirements
Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:

Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:

1. Focus on Written Communication (6 hours): ENG 110(3) and ENG 210(3) with a grade of "C" or higher.
2. Focus on Quantitative Literacy: Completion of general education requirement with a grade of "C" or better. MTH 130(3) recommended with a grade of "C" or higher.
3. Focus on Oral Communication: COM 115(3) with a grade of "C" or higher.
4. Focus on Life Sciences: BIO 100(4) with a grade of "C" or higher.
5. Focus on Physical Sciences: PHY 101(4) with a grade of "C" or higher.
6. Focus on Social and Behavioral Sciences: PSY 121(3) or CFD 155(3) with a grade of "C" or higher.
7. Focus on Cultural Competence: GRY 100(3) with a grade of "C" or higher.
8. Courses used to meet the Focus on Humanities and the Focus on the Arts must have two (2) different course codes to meet state certification requirements with one (1) course from either Art or Music to meet state certification requirements. ART 200 or MUS 241 recommended with a grade of "C" or higher.
9. Focus on Constitution of U.S. and Missouri and American History and Institutions: HST 121(3) or HST 122(3) recommended; and PLS 101(3) with a grade of "C" or higher.

B. Degree Requirements for Teacher Certification (10 hours):
   1. Mathematics: MTH 320(3) and MTH 360(3) with a grade of "C" or higher
   2. Earth Science: GRY 240(4) with a grade of "C" or higher

C. Area of Concentration (minimum 21 hours):
   Elementary Education majors are required by DESE to have a 21 hour area of concentration. The Elementary Education program has been structured to include an area of concentration with a minimum of 21 hours in communication arts. Therefore, no additional hours will be required to meet the area of concentration.

D. Professional Education (64 hours): A grade of "B" or higher in each course is required.
   1. Foundations of Teaching: EDC 345(3), ELE 302(3); PSY 360(3); SPE 310(3)
   2. Teaching Methods: EDT 365(3), EDT 520(1), ELE 410(3), ELE 425(2), ELE 429(3), ELE 434(3), ELE 438(3), ELE 500(4), ELE 501(2), ELE 510(3), ELE 530(2), ENG 334(3), RDG 318(3), RDG 420(3), RDG 421(2)
   3. Supervised Teaching: ELE 495(6), ELE 496(6)

E. Public Affairs Capstone Experience will be fulfilled by completion of ELE 500(4) and ELE 510(3).

F. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification.

G. General Baccalaureate Degree Requirements

Accelerated graduate program in Elementary Education

Eligible Missouri State undergraduate students may apply for admission to the Elementary Education program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Early Childhood and Family Development

Eligible Missouri State undergraduate students may apply for admission to the Early Childhood and Family Development program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 10 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Educational Technology

Eligible Missouri State undergraduate students may apply for admission to the Educational Technology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the

undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Literacy

Eligible Missouri State undergraduate students may apply for admission to the Literacy program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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https://www.missouristate.edu/registrar/catalog/prog-elementary-education.htm

Missouri State

Environmental STEM for Teachers Certificate

Environmental STEM for Teachers

This certificate provides a 9-hour undergraduate-level experience for educators, naturalists, conservationists, environment workers, or community members. Students will increase their awareness, knowledge, and appreciation of Missouri habitats and wildlife resources and learn fundamental science, technology, engineering and math (STEM) related concepts by experiencing ways to use inquiry-based instructional methods. Through Missouri Learning Standards-based activities from all content areas; students will be trained in basic field biology to foster the confidence necessary to lead elementary school-aged children in outdoor settings.

Admission requirements

To be admitted students must have a Missouri State University GPA of 2.75 or higher; and have completed one life science or physical science course (3-4 hours) from: AST, BIO, BMS, CHM, GLG, GRY, or PHY. BIO 100 is recommended.

Program requirements (12-13 hours)

1. Complete one life science or physical science course (3-4 hours) from: AST, BIO, BMS, CHM, GLG, GRY, or PHY. BIO 100 is recommended.
2. Complete three of the following courses (9 hours): EEM 516(3), EEM 517(3), EEM 518(3), EEM 519(3)
3. All candidates must satisfy the General University Certificate Requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Family and Consumer Sciences

Major(s)

Family and Consumer Sciences

Bachelor of Science in Education (Certifiable grades K-12)

A. General Education Program and Requirements
   Specific General Education Requirements: PSY 121(3); BIO 101(3) and 111(1), or BIO 121(4) or BMS 110(3) and 111(1)
B. Major Requirements (43 hours):
   1. CFD 155(3), 160(3), 163(3), 250(3), 361(3); FCS 110(3), 120(3), 301(3), 335(3), 373(3), 472(3), 507(1); HSP 210(3), 218(3), 321(3)
   2. Public Affairs Capstone Experience will be fulfilled by completion of FCS 472(3).
C. Professional Education Courses. Note: A grade of “C” or better in each course is required for state certification.
   1. FCS 493(6), 494(6), 507(1), 512(3), 515(3)
   2. Professional Education Required Core and Competencies - see Teacher Education Program
D. General Baccalaureate Degree Requirements
E. This program also requires compliance with the Teacher Education Program requirements for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.
   1. at least a 2.75 GPA on all course work attempted at all colleges attended
   2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
   3. at least a 3.00 GPA in any additional certificate subject area
   4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

Health Education (certifiable grades 9-12, added endorsement only)

Students who complete the BSEd degree with a major in Family and Consumer Science may receive Missouri state certification in Health Education grades 9-12 by completing the following courses: BMS 307(4) or KIN 250(3), BMS 308(4) or KIN 252(3), or equivalents; CFD 163(3); BMS 130(3) or BMS 240(3); KIN 253(2), 256(2), 257(2), 358(3); PSY 101(3); SWK 330(3); plus additional hours of electives in health-related courses, in consultation with their advisor, to bring total to 30 hours. In order to meet Missouri state teacher certification requirements, student must have at least a 3.00 GPA in the certificate subject area.

Accelerated graduate program in Educational Technology

Eligible Missouri State undergraduate students may apply for admission to the Educational Technology program and begin taking graduate course work as they complete the work for a bachelor’s degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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https://www.missouristate.edu/registrar/catalog/prog-family-and-consumer-sciences.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

General Family and Consumer Sciences

Minor(s)

General Family and Consumer Sciences

Bachelor of Arts

Select 15 hours from: BMS 130(3); CFD 160(3), 163(3); FCS 301(3); HID 140(3); HSP 218(3), 321(3)

General Family and Consumer Sciences

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

Select 24 hours from: BMS 130(3), CFD 163(3), FCS 301(3), HID 140(3), HSP 218(3), HSP 321(3), plus additional electives from CFD, FCS, HID, or HSP to bring total to at least 24 hours.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Counseling, Leadership, and Special Education

Programs

Indicates accelerated graduate program is available

Undergraduate

Special Education/Cross Categorical (BSEd)

International Perspectives in K-12 Special Education (Certificate)

Graduate

Autism Spectrum Disorders (Certificate)

Counseling and Assessment (EdS)

Counseling (MS)

Educational Administration (MSEd)

Educational Administration (EdS)

Educational Leadership, cooperative doctoral degree with the University of Missouri-Columbia (EdD)

International Perspectives in K-12 Special Education (Certificate)

Orientation and Mobility (Certificate)

Perspectives about the American Higher Education System (Certificate)

Play Therapy (Certificate)

Special Education (MSEd)

Special Education Director (Certificate)

Student Affairs in Higher Education (MS)

Accreditations

- Missouri Department of Elementary and Secondary Education – Counseling (MS), Educational Administration (MSEd, EdS); Special Education/Cross Categorical (BSEd); Special Education (MSEd)
- Council for the Accreditation of Educator Preparation – Counseling (MS); Educational Administration (MSEd, EdS); Special Education/Cross Categorical (BSEd); Special Education (MSEd)
- Council for Accreditation of Counseling and Related Educational Programs – Counseling (MS)

Contact

Department head

James Satterfield, EdD

Office

Park Central Office Building, Room 156

Phone

Mission statement

The Department of Counseling, Leadership, and Special Education strives to develop culturally competent and ethical leaders and scholars in counseling and life-long education who are actively engaged in community, state, national, and global affairs.

Vision

The Department of Counseling, Leadership, and Special Education envisions a world in which children and adults seek opportunities for life-long learning, are confident and assured in their abilities to have a positive personal impact on the world, and serve as culturally competent citizens and leaders.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Counseling, Leadership, and Special Education Faculty

Professors

Paul M. Ajuwon, PhD

Angela L. Anderson, PhD

Tamara J. Arthaud, PhD

O. Gilbert Brown, EdD

Jeffrey H.D. Cornelius-White, PsyD

Christopher J. Craig, EdD

Paris A. DePaepe, PhD

Linda Garrison-Kane, PhD

Joseph F. Hulgus, PhD

Cynthia J. MacGregor, EdD

Joye H. Norris, PhD

James Satterfield, EdD

James Sottile, EdD

Associate professors

Reesha M. Adamson, PhD

William J. Agnew, PhD

Kim K. Finch, EdD

Michelle D. Smith, PhD

Assistant professors

Megan Boyle, PhD

Christopher Carver, PhD

Jessica A. Nelson, EdD

Kennedy Ongaga, PhD

Denita S. Sisco, EdD

Jon S. Turner, EdD

Ximena Uribe-Zarain, PhD

Nicole M. West, PhD

Clinical assistant professor

Michael E. Goeringer, MSEd

Senior instructor

Nathaniel E. Quinn, MA

Instructors

Amelia M. Chenoweth, MS

James C. Matthews, MS

Shari L. Scott, EdD

Emeritus faculty

Lonnie Barker, Jr., PhD

Paul D. Blisard, EdD

O. Leon Bradshaw, EdD

Ruth V. Burgess, PhD

Harold L. Chappell, EdD

Jane E. Doelling, EdD

Paul D. Enochs, PhD

Shirley J. Hendricks, EdD

Kenneth C. Holloway, EdD

C. Don Keck, EdD

Gerald H. Moseman, EdD

Billy D. Rippee, EdD

Leonila P. Rivera, EdD

Hugh L. Strawn, PhD

Robert L. Watson, EdD

Sandra K. Wegner, EdD

Scott B. Wegner, EdD

Gary E. Wilson, PhD

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Missouri State

Counseling, Leadership, and Special Education Courses

Counseling (COU) courses

COU 700 Problems in Counseling

Individual investigation into a problem or problems of concern to the student and deemed of significance by the instructor. Written report required. May be repeated to 9 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

COU 701 Assessment and Testing for Counselors

A comprehensive study of instruments for measuring psychological traits, including group devices suitable for use in elementary and secondary schools, as well as individual instruments for use in both school and community agency settings. Basic statistical concepts and common terminology related to measurement are taught as a functional part of the course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 702 School Counseling Foundations and Ethics

Philosophy, organization, and practices of a counseling program in the elementary and secondary school. The school counselor's role as counselor, consultant, and coordinator, professional identity, and legal issues are included. Includes a significant focus on ethical standards and issues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 703 Professional Orientation and Ethical Practice in School and Mental Health Counseling

An introduction and overview of the history, philosophy, and function of the counselor in elementary schools, secondary schools, clinical mental health settings, and other community agency settings. Includes an examination of service population characteristics and treatment needs, intervention modalities and approaches, professional identity, and related topics with a significant focus on ethical standards and issues. School counselors' various roles as counselor, consultant, and coordinator, professional identity, and legal issues are also included.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 704 Introduction to School Counseling

Prerequisite: admission to Counseling Program or permission.

An introduction and overview of the foundational aspects of school counseling with a focus on the development, implementation, and evaluation of a comprehensive school counseling program in elementary and secondary schools (K-12). Includes an exploration of the leadership role of school counselors within the school setting at the elementary and secondary level (K-12).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

COU 705 Orientation to Personal and Professional Development in Mental Health and School Counseling

This course is an experience in personal and group encountering and sensitivity. Its purpose is to assist students in discovering a more complete awareness, understanding, and acceptance of themselves and others as human beings. Primary emphasis will be upon students exploring self, values, needs, and personal characteristics. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

COU 707 Human Growth and Development

Study of child, adolescent and adult psychological development theories, normal adjustment processes, personality structure, and abnormal behavior.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 708 Play Therapy and Child Counseling Techniques

Prerequisite: admission to a Counseling program or certificate; and COU 702 or COU 703; and COU 705; and COU 710 and COU 711 or concurrently enrollment in COU 710 and COU 711; or departmental permission.

A consideration of counseling with elementary school aged children. Emphasis is placed upon play therapy and the counseling process as it

A consideration of counseling with elementary school-aged children. Emphasis is placed upon play therapy and the counseling process as it affects the educational, personal, familial, and social adjustment of children.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 709 Introduction to Mental Health Counseling

This is an introductory survey course which introduces counseling students to the fundamentals of mental health counseling. Topics covered include the organization of mental health structures in the public domain, including funding mechanisms, licensing issues and processes, pertinent professional organizations, and emerging trends and opportunities in the counseling field.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring, Summer

COU 710 Counseling and Helping Relationships

Prerequisite: admission to Counseling program or Student Affairs in Higher Education program; and concurrent enrollment in COU 711.

Two training components are integrated to provide an intensive pre-practicum experience. The didactic component introduces basic skills of effective interpersonal communication and counseling. Participation in corequisite laboratory (COU 711) provides supervised practice in the practical application of those skills in simulated counseling interviews.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

COU 711 Counseling and Helping Relationships Lab

Prerequisite: admission to Counseling program or Student Affairs in Higher Education program.

First enrollment must be concurrent with COU 710. Designed to accompany COU 710, this lab provides an opportunity for graduate students in counseling to practice basic counseling skills in role-played sessions with live observation, video-taped review and supervisory feedback. May be repeated to 3 hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	3	Upon demand

COU 714 Social-Cultural Diversity in Counseling

Prerequisite: admission to Counseling program.

An introduction to counseling theories, interventions and issues in working with clients from diverse, minority and ethnic cultures. Values, beliefs and norms of various cultures, including the student's, will be examined as they pertain to the counseling process.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 716 Adolescent and Young Adult Counseling in School and Mental Health Settings

Prerequisite: admission to Counseling program.

An introduction to adolescent and young adult counseling theory designed to help students better prepare to work with adolescents and young adults in culturally diverse school and mental health counseling settings. Emphasis is placed on relevant developmental models and the ways in which life experiences that occur during adolescence can impact early adulthood.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring, Summer

COU 720 Substance Use and Addiction Issues in Counseling

Prerequisite: admission to Counseling program; and COU 708 or COU 751; and COU 710 and COU 711; or permission of the instructor.

This course provides an overview of the biological, psychological, social and spiritual dimensions of substance use and dependency. Addictive behaviors are presented as part of the continuum of mental and emotional behavior, and the course will include co-occurring diagnoses and their associated interventions for counseling professionals. This includes diagnosis, treatment planning and implications for diverse populations. An integrated combination of lecture, case study, and field activities will be used.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 724 Assessment and Diagnosis

Prerequisite: admission to Counseling program; and COU 710 and COU 711.

Study of and practice in conducting clinical interviews, appraising and assessing level of functioning and mental status, and developing diagnoses of psychoemotional disorders. Includes assessment of learning and functioning of children. An introduction to counseling theories, interventions and issues in working with clients from diverse, minority and ethnic cultures. Values, beliefs and norms of various cultures, including the student's, will be examined as they pertain to the counseling process.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 733 Couple and Family Counseling

Prerequisite: admission to Counseling program; and COU 710 and COU 711.

An introduction to the major theories of couple and family counseling and their associated interventions. An integrated combination of lecture, discussion, demonstration and role-lay lab sessions will be used.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

COU 751 Theories and Techniques of Counseling

Prerequisite: admission to Counseling program; and COU 705; and either COU 702 or COU 703 or departmental permission.

Examination of various theoretical approaches to counseling; significance of theories in counseling practice. Overview of interventions and techniques associated with each theory. Students make an intensive investigation of a problem to be selected in counseling theory and methods. Report of the investigation required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 752 Career Development

Prerequisite: admission to Counseling program.

A consideration of the various theories of career development and their implications in counseling for vocational career development and their implications in counseling for vocational adjustment. A study of the work ethic, the labor force, and the concept of career education. Designed to give students competence in collecting and using occupational and educational information in counseling related to career development and in developing career education programs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

COU 753 Analysis of Childhood Learning and Adjustment

Prerequisite: admission to Counseling program; and SPE 310 or SPE 340 or SPE 715; and COU 701.

Acquaints student with various assessment and diagnostic procedures in evaluation of learning and adjustment problems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 754 Counseling for Post-Secondary and Career Readiness K-12

Prerequisite: admission to Counseling program.

This course is designed to prepare school counselors to engage a diverse K-12 student population in early career awareness, planning, assessment, and making informed post-secondary choices crossing the spectrum of K-12, using the ASCA National Model and Missouri Comprehensive Counseling Program as a framework. Career development theories will be explored to encourage developmentally and culturally relevant application to K-12 student populations and includes a focus on work-life adjustment into advanced adult ages, including ethical implications.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Summer

COU 756 Group Counselng and Group Work

Prerequisite: admission to Counseling program.

Acquaints counselors with group counseling theories and techniques. Includes an experiential group component.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 757 Group Counseling Through Play

Prerequisite: COU 708; and admission to Counseling program or permission of instructor.

Introduction to group therapy methods and techniques appropriate to an elementary school or mental health setting. Emphasis is placed upon foundational group therapy skills in general for all ages, and on play therapy modalities in particular, that are appropriate for elementary-age children. Groups in an elementary setting, utilizing Missouri Comprehensive Guidance and play therapy and applications to diverse populations, will be included.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 765 Research Seminar in Counseling

Prerequisite: admission to Counseling program; and SFR 780 or COU 794.

The study, analysis, and discussion of special topics culminating in a substantial written report. Preparation of a Professional Portfolio. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 766 Psychopharmacology for Counselors

Seminar course designed to teach current and future counselors the fundamentals of psychopharmacological agents used in mental health. Students will learn the fundamentals of neuroanatomy and neurophysiology, and relevant aspects of neurochemistry. Once this foundation is formed, students will learn about the types of psychotropic medications commonly used for major mental health conditions, the nature of their actions, indications and contra-indications for use, common dosing guidelines, and side-effects and other related risks.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 768 Crisis Counseling and Disaster Mental Health Response

Prerequisite: admission to Counseling Program or permission.

An introduction to Crisis and Disaster, to the major theories and practices of crisis Intervention and Disaster Mental Health and the associated interventions throughout the Response and Recovery phases. An integrated combination of lecture, discussion, demonstration and role-play will be used.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

COU 777 Counseling Practicum

Prerequisite: admission to Counseling program or certificate program; and COU 710 and COU 714 and COU 751 each with grade of B or better; and COU 711; and departmental approval for practicum.

Supervised counseling experience involving work with clients from the community addressing a wide range of mental health and/or school counseling (elementary and/or secondary level) related presenting issues; observation, discussion, and evaluation of counseling sessions. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	6	Fall, Spring, Summer

COU 778 Mental Health Practicum

Prerequisite: admission to Counseling program or certificate program; and COU 777 with a grade of P.

Supervised clinical mental health counseling experience of clients from the community; observation, discussion, and evaluation of counseling sessions. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	6	Fall, Spring, Summer

COU 779 School Counseling Practicum

Prerequisite: admission to Counseling program or certificate program; and COU 777 with a grade of P.

Supervised clinical mental health counseling experience of clients from the community; observation, discussion, and evaluation of counseling sessions. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	6	Fall, Spring, Summer

COU 780 Secondary School Counseling Practicum

Prerequisite: admission to Counseling program; and COU 710 and COU 714 and COU 751 each with grade of B or better; and COU 711; and department approval for practicum.

Supervised counseling with secondary school aged students and their families; observation, discussion, and evaluation of the counseling process. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

COU 781 Secondary School Counseling Internship

Prerequisite: admission to Counseling program; and either COU 780 or COU 784; and either ELE 302 or SEC 302; and department permission.

Supervised experience in secondary school counseling at an approved school site. Minimum of 300 hours on-site. Students will receive individual supervision on-site, and small-group supervision from the department. May be repeated up to 9 hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	10	Fall, Spring

COU 782 Elementary School Counseling Practicum

Prerequisite: admission to Counseling program; and COU 708 and COU 710 and COU 714 each with grade of B or better; and COU 711; and department approval for practicum.

Supervised counseling with elementary school-aged children and their parents; observation, discussion, and evaluation of counseling sessions. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Spring

COU 783 Elementary School Counseling Internship

Prerequisite: admission to Counseling program; and COU 782; and either ELE 302 or SEC 302; and department permission.

Supervised experience in elementary school counseling at an approved school site. Minimum of 300 hours on-site. Students will receive individual onsite supervision, and small-group supervision from the department. May be repeated up to 9 hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	10	Fall, Spring

COU 784 Mental Health Counseling Practicum

Prerequisite: admission to Counseling program; and COU 710 and COU 714 and COU 751 each with grade of B or better; and COU 711; and department approval for practicum.

Supervised counseling experience of clients from the community; observation, discussion, and evaluation of counseling sessions. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

COU 785 Mental Health Counseling Internship

Prerequisite: admission to Counseling program; and either COU 780 or COU 784; and department permission.

Supervised experiences (individual, family, group) in counseling at an approved community agency site. Minimum of 300 hours on-site. Students will receive individual supervision on-site, and small group supervision from the department. May be repeated to 9 hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 786 School Psychological Examiner Practicum

Prerequisite: COU 701 and COU 753 and PSY 720.

Supervised practicum in the administration and interpretation of individual intelligence tests, formal and informal diagnostic procedures and diagnostic interviewing techniques in an educational or clinical settings. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 787 Advanced Play Therapy Practicum

Prerequisite: admission to Counseling program; and COU 702 or COU 703; and COU 705 and COU 708 and COU 710 and COU 711 and COU 782; or permission of instructor.

This course is designed to provide an advanced counseling experience with elementary-aged children from the community. It serves as an integrative component to extend and amplify play therapy counseling skills, theory, and techniques learned in previous practica. Emphasis is placed on scheduling clients, completing case notes, advocating for clients, weekly supervisor and evaluation of counseling sessions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

COU 788 Introduction to Supervision, Consultation and Leadership

Prerequisite: COU 710 and COU 711; and COU 780 or COU 782 or COU 784; and admission to Counseling EdS program or departmental permission.

This course is designed to address fundamental theoretical and applied aspects of clinical supervision, consultation, and leadership. Supervision addresses the theory and practice of clinical supervision in counseling and psychotherapy and provides a supervised, practical experience of doing counseling supervision in an applied setting. Consultation focuses on providing consultation services in schools and other systems. Since counselors and psychotherapists are often called upon within schools and agencies to provide leadership, the leadership component of this course surveys the literature on leadership styles, roles, and emerging trends.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

COU 789 Advanced Level: Play Therapy Supervisor

Prerequisite: admission to Counseling program; and COU 702 or COU 703; and COU 705 and COU 708 and COU 710 and COU 711 and COU 782; or permission of instructor.

This is a course with a practicum component on-site at the Center City Counseling Clinic. The purpose of the course is to provide supervisor training in the theory and practice of supervision with master's level play therapy students to include three core knowledge areas: supervision models, theories and techniques of clinical supervision of play therapy; legal and ethical issues related to supervision; and clinical issues related to supervision.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

COU 790 Counseling Workshop

Improves skills and knowledge of counselors in specific areas. Each workshop considers a single topic in depth. 30 hours of participation equal one semester hour.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

COU 794 Introduction to Research and Program Evaluation in Counseling

Prerequisite: admission to Counseling program.

Introduction to research methods in counseling, including quantitative and qualitative methods, action research, needs assessments, and program evaluation approaches, particularly in service-delivery and educational settings. An emphasis is placed on developing an understanding of foundational research methods that will allow students to be effective critical consumers of research in counseling, identify evidence-based practices, and prepare them to design and implement sound program evaluations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

COU 795 Topics in Counseling

Individual or group class designated to address specialized topics of interest to graduate students in counseling. May be repeated to 9 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

COU 799 Thesis

Independent research and study connected with preparation of thesis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

Educational Administration (EAD) courses

EAD 745 Curriculum for Elementary Principals

This course is designed as an intermediate level course for the study of education program development, administration and supervision in accordance with the goals and outcomes as outlined by ELCC, ISLLC, MoSPE, as well as the EAD Knowledge Base. The course provides a broad overview of the essential elements of educational programs including curriculum, instruction, materials, and program evaluation recommended by the various learned societies for educational administration.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 746 Curriculum for Secondary Principals

This course is designed as an intermediate level course for the study of education program development, administration and supervision in accordance with the goals and outcomes as outlined by ELCC, ISLLC, MoSPE, as well as the EAD Knowledge Base. The course provides a broad overview of the essential elements of educational programs including curriculum, instruction, materials, and program evaluation recommended by the various learned societies for educational administration.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 751 Foundations of Educational Leadership

An introductory course designed for the student considering a career in educational leadership. Explores the history, basic theories, and major areas of responsibility in school leadership. EAD 751 is the first course to be taken in an administration degree program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 752 The Secondary School Principal

An examination of the leadership responsibilities of the secondary school principal. Instructional leadership, decision-making, problem solving, effective schools correlates, the change process, school culture, diversity and school improvement concepts will be emphasized.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 753 The Elementary School Principal

An examination of the leadership responsibilities of the elementary school principal. Instructional leadership, decision-making, problem solving, effective schools correlates, the change process, school culture, diversity and school improvement concepts will be emphasized.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 754 State and National School Leadership

Role and responsibilities of the local, state and federal agencies in school administration.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

EAD 759 Leadership Capstone

Prerequisite: EAD 788 or SFR 780.

The culminating course in the Educational Administration masters degree programs. The course results in the completion of the student's research major project; preparation and presentation of the student's graduation portfolio; and completion of departmental assessments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 768 K-12 Principalship

This course is an examination of the leadership responsibilities of the K-12 school principal for certification K-8 and 7-12. Instructional leadership, decision-making, problem solving, effective schools correlates, data analysis, accountability, the change process, school culture, diversity, and school improvement concepts will be emphasized.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

EAD 769 Curriculum Leadership for K-12 Principals

This course is designed for future K-12 principals for the study of K-12 education program development, administration and supervision in accordance with the goals and outcomes as outlined by the Professional Standards for Educational Leaders (PSEL), the Leadership Developmental System (LDS), the Missouri Leader Standards as well as the EAD Knowledge Base. The course provides a broad overview of the essential elements of K-12 educational programs including curriculum, instruction, materials, and program evaluation recommended by the various learned societies for educational administration.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered
3	3	0	Fall, Spring, Summer

EAD 773 Internship for Secondary Principals-Onsite-Part I

Problem-based field experiences at the secondary level encompassing building level, district level, or other specialized administrative or supervisor positions to emphasize the intern's knowledge, skills, and sensitivity in working with diverse students. Students spend specified periods of time working with experienced administrative or supervisory personnel. May be repeated to a maximum of 10 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

EAD 774 Internship for Secondary Principals-Onsite-Part II

Prerequisite: EAD 773.

Problem-based field experiences at the secondary level encompassing building level, district level, or other specialized administrative or supervisor positions to emphasize the intern's knowledge, skills, and sensitivity in working with diverse students. Students spend specified periods of time working with experienced administrative or supervisory personnel. May be repeated to a maximum of 10 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

EAD 775 Internship Secondary Principals-Related Agencies

Problem-based field experiences with various external agencies that relate to the school administrator or supervisor (i.e. juvenile court, law enforcement, community support services, etc.)

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring, Summer

EAD 776 Internship for Elementary Principals-Onsite-Part I

Problem-based field experiences encompassing building level, district level, or other specialized administrative or supervisor positions to emphasize the intern's knowledge, skills and sensitivity in working with diverse students. Students spend specified periods of time working with experienced administrative or supervisory personnel. May be repeated to a maximum of 10 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

EAD 777 Internship for Elementary Principals-Onsite-Part II

Problem-based field experiences encompassing building level, district level, or other specialized administrative or supervisory positions to emphasize the intern's knowledge, skills and sensitivity in working with diverse students. Students spend specified periods of time working with experienced administrative or supervisory personnel. May be repeated to a maximum of 10 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

EAD 778 Internship for Elementary Principals-Related Agencies

Problem-based field experiences with various external agencies that relate to the school administrator or supervisor (i.e. juvenile court, law enforcement, community support services, etc.)

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

EAD 780 Administration of Instructional Programs

An analysis of instructional programs and the role of the school administrator in developing learner-centered school cultures and supporting research-based instruction.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 781 Organizational Management

Emphasis is on basic administrative skills including fiscal management and building utilization as well as the skills and processes needed to collaboratively develop and maintain strategic plans.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 784 Multicultural Issues Involving Human Relations and Collaborative Processes

Designed to develop skills in effective interpersonal skills, written and oral communication within a diverse cultural community.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 785 Legal and Ethical Contexts of Schooling

Explores the statutory and regulatory requirements as well as the ethical implications of policy initiatives inherent in the effective operation of a school.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 786 School Supervision and Performance Enhancement

Administrative functions related to human resource management and development as well as enhancing the performance of the instructional personnel. (i.e. recruitment, selection, retention, training, supervision, evaluation of staff.)

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 787 Administration of Special Programs

Designed to provide skills to establish, administer, and supervise special education services and other student programs. Programs in the area of special education, guidance, vocational education, early childhood as well as current state and federal programs affecting education are emphasized.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 788 Action Research in Educational Leadership

Introduction to the research designs and analysis techniques of action research. Student will engage in activities designed to examine current best practices in the school setting through a methodical, research-based orientation with the ultimate goal of assessing the effect of innovative practices on a variety of school variables.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 799 Thesis

Prerequisite: EAD 788 and SFR 780.

Independent research and study connected with preparation of thesis. May be repeated to a maximum of 6 hours credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

1-6 **Credit hours**	**Lecture contact hours**	**Lab contact hours**	Upon demand **Typically offered**

EAD 841 Advanced Issues in School Improvement

Designed as an advanced level course for the study of barriers to learning, strategies to reduce or eliminate those barriers, stakeholder involvement, advanced strategic planning techniques and program development, in accordance with the goals and outcomes of the I.S.L.L.C. standards and the EAD Knowledge Base. The major focus of this course is to provide the skills and knowledge appropriate to assisting the student in developing artifacts necessary for completion of his/her professional portfolio. This portfolio is needed for the renewal of the initial administrator certificate in the state of Missouri and other I.S.L.L.C. member states. The course provides an opportunity for students to identify significant barriers to learning within an educational setting, analyze the conditions of the educational setting and take specifics steps to eliminate the barriers and support student success.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 842 Modern Trends in Educational Administration

Designed as an advanced level course for the study of the larger contexts of education. Students will study state, multi-state and national trends/issues, analyze their effect upon local school programming and student learning, identify appropriate outside agencies for initiating collaborative relationships as well as identify adaptive leadership behaviors to respond to various trends/issues. The major focus of this course is to provide the skills and knowledge appropriate to assisting the student in developing artifacts necessary for completion of his/her professional portfolio. This portfolio is needed for the renewal of the initial administrator certificate in the state of Missouri and other LSLLC member states. These goals and outcomes are based upon ISLLC standards as well as the EAD Knowledge Base.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 843 School and Community Partnerships

Designed as an advanced level course for the study of establishing, nurturing and sustaining effective school-community partnership programs. Students will be exposed to content and will generate material that demonstrates the ability to develop partnerships with business, higher education and other community groups which supplements the learning environment and supports the overall mission of the school as outlined by goals and objectives of the ISLLC standards as well as the EAD Knowledge Base. The major focus of this course is to provide the skills and knowledge appropriate to assisting the student in developing artifacts necessary for completion of his/her professional portfolio. This portfolio is needed for the renewal of the initial administrator certificate in the state of Missouri and other LSLLC member states. The course provides a broad overview of the essential elements of educational partnership programs while working with social agencies and elementary grant writing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 844 Leadership in Professional Development

Designed as an advanced level course for the study of enhancing professional performance through effective staff development and performance enhancement efforts. Students will demonstrate the ability to collaborate professionally with staff to enhance performance and promote successful teaching and learning in accordance with the goals and outcomes as outlined by ISLLC standards as well as the EAD Knowledge BASE. The course provides a broad overview of advanced elements of supervision including national teaching standards, adult

Knowledge BASE. The course provides a broad overview of advanced elements of supervision including national teaching standards, adult learning theory, effective staff development and use of data to inform professional development efforts. The major focus of this course is to provide the skills and knowledge appropriate to assisting the student in developing artifacts necessary for completion of his/her professional portfolio. This portfolio is needed for the renewal of the initial administrator certificate in the state of Missouri and other LSLLC member states.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 850 Politics of Education

Overview of the origins and the nature and impact of political forces surrounding and influencing schools. Students will study the increasingly complex political web of American education as well as research the continuing debate dealing with local control versus the expanding role of state and federal government. This course will help the student in educational administration analyze the various core constituencies of school politics, analyze the issues/demands made in the school community, and study the intervening variables associated with school issues as well as the decisions which must be made by school policy makers.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 858 School Personnel

This course will provide knowledge related to areas of personnel process such as: human resource planning, recruitment, selection, placement, induction, staff development, appraisal, compensation, negotiation, employment conditions, employee data, support staff, empowerment of staff, policies and procedures, and career paths.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 860 Field Study

Prerequisite: EAD 895.

This course involves the completion of field projects conducted in cooperation with a public school district or appropriate agency. Requires a formal investigation and survey of a recognized problem within a selected institution. The nature of the investigation may also be in-depth, independent research relevant to current practice in any facet of the educational process. The subject for investigation is selected by the student with approval of the advisory committee. An oral review of the project will be presented to a selected faculty committee. May be repeated but not to exceed a total of 6 hours. A maximum of 3 hours may be counted toward degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

EAD 861 Human Relations

Designed to upgrade educational leaders in human relations skills. Major focus will be on effective group processing and dynamics, understanding learning styles and cultural diversity issues, and facilitating skills for school improvement.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 862 The Superintendency

Analysis and discussion relating to current problems of school management involving decision making, data processing, operations, research, work and wages, unions and management, and purchasing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 863 Curriculum Design and Evaluation

A course designed to investigate and analyze current and innovative instructional programs. Special emphasis is given to national reports on educational practices and the development of a model school of the future.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 864 Diversity and Community Relations

An examination of the various strategies involved in establishing effective internal and external communications. The responsibilities of boards of education, administrative officials, staff personnel, students, and the community will be emphasized.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 865 School Law

Constitutional statutory and case law that relates to all staff personnel, students, school district and other allied governmental units is investigated, analyzed and discussed. Special emphasis is given to the study of contracts, dismissals, tenure, retirement, pupil injuries, liability of school personnel, school district and board member's legal rights and responsibilities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 866 Public School Finance

A study of school budgeting procedures, revenue and expenditure accounting, problems related to local, state and federal financing of public school operations. The Missouri Uniform Accounting System for Public Schools is utilized in the development of a major school finance project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 867 School Plant Planning and Maintenance

Designed to familiarize students with the development of master plans and educational specifications for a school facility. Attention is given to site and building evaluations, barrier-free facilities, bond issues, remodeling, energy conservation, contractor and architectural responsibilities, and equipping and maintaining school plants.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EAD 870 Specialized Topics in Educational Leadership

Designed to upgrade the school administrator or leader's knowledge and skills in specialized areas of current interest and need. Variable Content Course. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

EAD 882 Superintendency Internship-Part 1

Problem-based field experiences at the superintendency level to emphasize the intern's knowledge, skills and sensitivity in working with diverse students, staff and community. Students spend specified periods of time working with experienced administrative personnel.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

EAD 883 Superintendency Internship-Part 2

Problem-based field experience at the superintendency level to emphasize the intern's knowledge, skills and sensitivity in working with diverse students, staff and community.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

EAD 884 Special Education Director Administrative Internship Part

EAD 884 Special Education Director Administration Internship-Part I

Designed as a certification course for the recommendation as a Special Education Director in accordance with the goals and outcomes as outlined by ISLLC, MoSPE, as well as the EAD Knowledge Base. The course provides the broad overview of the essential elements of an internship experience in the position of a Special Education Director including the daily operation, assessment, and evaluation of student achievement/placement in appropriate educational settings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

EAD 885 Special Education Director Administration Internship-Part II

This is the second part of the Special Education Director of Administration internship which has been designed as a certification course for the recommendation as a Special Education Director in accordance with the goals and outcomes as outlined by ISLLC, MoSPE, as well as the EAD Knowledge Base. The course continues the broad overview of the essential elements of an internship experience in the position of a Special Education Director including the daily operation, assessment, and evaluation of student achievement/placement in appropriate educational settings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

EAD 895 Research in Administrative Practice

The study of research in the field of educational administration. This course integrates research skills and professional administrative practices. Students interpret, evaluate and apply research skills enabling them to design a Field Study proposal which is required for the Specialist degree in Educational Administration.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

Educational Leadership (EDD) courses

EDD 901 Leadership Theory and Practice

Prerequisite: admission to the Doctorate in Educational Leadership program.

Advanced study of leadership theories, concepts, and inquiry as applies to educational organizations. The course will explore leadership theories, power and authority in organizations, leader effectiveness, and organizational reform. Emphasis will be placed on understanding leadership in organizations through application and extension of leadership theories in practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	0	Upon demand

EDD 902 Quantitative Methods in Educational Research I

Prerequisite: admission to the Doctorate in Educational Leadership program.

This course focuses on types of regression analysis and includes the following topics: simple linear regression, multiple regression, and semi-partial correlation, regression with categorical variables, categorical and continuous variables within the same model, Multilevel analysis (Hierarchical linear modeling), and structural equations. The emphasis in this class is on conceptual and practical understanding, rather than on computation. Goals are for the students to: (a) understand the basic assumptions and models underlying regression analysis, (b) use a statistical analysis package to conduct regression analysis, (c) read and interpret the output from a statistical analysis package, and (d) use this output to write a results sections.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EDD 903 Leadership Inquiry II

Prerequisite: admission to the Doctorate in Educational Leadership program.

This course is part of the statewide collaborative doctoral program. This course will emphasize a wide range of instructional methodologies, cooperative activities, problem-based learning and practical application. The students will be able to design, conduct, and report research to address problems of practice using appropriate research methodologies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

EDD 904 Content and Context of Learning

Prerequisite: admission to the Doctorate in Educational Leadership program.

Students will develop the knowledge and skills for examining, designing, and implementing school and classroom conditions that support quality learning experiences for all students and personnel. This course theme is about learning, and those issues that enhance and detract from quality learning for all. Throughout the course, participants and instructors will model optimum learning conditions and strategies. Students will be asked to demonstrate a thorough understanding of those conditions and competencies through study, critique, development and implementation of authentic learning experiences for their colleagues. Resources to support the learning experiences will include audio-visual materials, readings, internet, and simulations. Authentic assessment will be used to determine each student's level of competence in the course content.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EDD 905 Leadership Inquiry III

Prerequisite: admission to the Doctorate in Educational Leadership program.

This one hour doctoral level seminar will focus on understanding key concepts and methodologies of data reporting in K-16 organizations and with members of that organization to address problems of practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

EDD 906 Educational Leadership Inquiry IV

Prerequisite: admission to the Doctorate in Educational Leadership program.

The purpose of this advanced seminar is to deepen understanding of research by requiring students to make decisions about certain aspects of their dissertation research, following the dissertation-in-practice format. Specifically, the course will clarify the problem of practice, purpose of the study, research questions, framework, and study design. This course is also designed to provide scaffolding for the written comprehensive examination.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

EDD 907 Program Planning and Evaluation

Prerequisite: admission to the Doctorate in Educational Leadership program.

Explores the theory and practice of evaluation of educational programs including evaluation models, research methods and design strategies to measure program outcomes, especially student and school performance. In addition, skills in program planning will be developed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EDD 908 Qualitative Tools for Applied Research in Educational Leadership

Prerequisite: admission to the Doctorate in Educational Leadership program.

This course focuses on qualitative research theory, design and analysis. Students will learn how educational leaders can use qualitative research design to critically examine research questions in their practice. They will also learn to analyze educational issues and execute processes to effectively explore those issues using qualitative methods.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

Student Affairs in Higher Education (SAE) courses

SAE 721 Introduction to Student Affairs

An introductory course designed for the student pursuing a career in Student Affairs. This course explores the origin, history, philosophy, theory, and practice related to the Student Affairs profession.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SAE 723 Student Development Theory

Prerequisite: admission to the Student Affairs in Higher Education program.

Introduces the student to student development theories. A basic understanding allows the student to note application of these theories to practice. This will result in Student Affairs professional who can design approaches that work most effectively with students.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SAE 726 Higher Education in the United States

Prerequisite: admission to the Student Affairs in Higher Education program.

The historical development of American higher education will be presented. Political, social, economic, and intellectual issues will be examined from its inception to the present day for contemporary application. A focus will be on the matrix of trend, topics, and eras. An emphasis is placed on higher education in the post World War II era creating a solid background of higher education in the last 50 years.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SAE 727 Inclusive Campus Environment

This introductory course will examine the issues, concepts, and problems that contribute to the discourse on creating and sustaining inclusive campus environments at institutions of higher education (IHEs), especially at traditional majority white institutions (TWIs). Definitely, there is not a universal pathway toward creating and sustaining inclusive campus environments. The institution's mission, culture, and traditions play a major role in shaping the context of inclusive campus environments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SAE 728 Individual and Group Support Skills

Prerequisite: admission to the Student Affairs in Higher Education Program.

The individual purpose of this class is to help emerging Student Affairs professionals strengthen and expand their capacity to help individual undergraduates and small groups of undergraduates remove barriers which impact student success as measured in degree attainment within institutions of higher education (IHEs). Emerging professionals with sound personal foundations and boundary spanning skills are able to partner with individuals and small groups of students who may be different. The differences may include many dimensions of diversity, including factors such as race ethnicity, gender, differential ability, and sexual orientation. Student Affairs professionals will demonstrate competence in using helping skills (listening, paraphrasing, group facilitation, and problem solving) to work with individuals and small groups in the university environment. Thus, the class will provide students through lecture and experimental learning the opportunities to acquire and practice helping skills in a safe environment. The anticipated outcome of the class is that students will acquire an advanced capability in helping students and small groups remove barriers to their academic success/degree attainment. Thus, the class seeks to align the curricular and application practices with ACPA/NASPA Personal Foundation, Helping, and Equity, Diversity and Inclusion Competencies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	3 **Lecture contact hours**	0 **Lab contact hours**	Spring **Typically offered**

SAE 729 Foundations of Research

Prerequisite: admission to the Student Affairs in Higher Education program.

Students will acquire and use research methods skills. These skills will be put to use in preparing a research proposal, reviewing empirically-based journal articles, formulating hypotheses, designing observational studies, and analyzing and interpreting data.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SAE 732 Leadership and Administration in Higher Education

Prerequisite: admission to Student Affairs in Higher Education program.

Students will be provided with the opportunity to develop a firm working concept of leadership theories and principles. Upon completion of the course, students should be able to identify and discuss the role of leadership in student affairs, and be able to apply those leadership principles to activities in their job.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SAE 735 Governance and Finance in Higher Education

Prerequisite: admission to the Student Affairs in Higher Education program.

Exposure of the student to theoretical and applied concepts of governance and finance structures in higher education. Emphasis will be on organizational structures, financial operations, terminology, successful administrative/management practices, and models prevalent in higher educational settings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SAE 738 Legal and Ethical Issues in Student Affairs

Prerequisite: admission to the Student Affairs in Higher Education program.

Introduction to the basic and current legal and ethical concepts that face American colleges and universities today. Topics to be discussed include the basis from which higher education law is formed; current case, state, and regulatory laws; personnel issues; and risk management and liability issues for higher education.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SAE 747 Supervised Practice

SAE 747 Supervised Practice

Prerequisite: admission to the Student Affairs in Higher Education program.

Students will earn academic credit for completion of two practica working in Student Affairs departments. Knowledge accumulated in coursework will be applied to the work setting. Experiences are cooperatively planned and guided by university personnel. May be repeated one time for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SAE 748 Special Projects: Reflective Moments in Higher Education and Student Affairs

Prerequisite: admission to the Student Affairs in Higher Education program or the Perspectives about the American Higher Education System graduate certificate.

The primary objective of this class is to provide students who are full-time employees at either MSU or area institutions an alternative to the traditional 6-hour supervised practice requirement that most cohort students complete through SAE 747, Supervised Practice. Similar to SAE 747, Supervised Practice, students will complete two sections of the class (6 hours) distributed over two semesters. Under the direction of the instructor, students will complete an extensive seminar/degree paper that enhances the student's graduate program portfolio requirement. May be repeated one time to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring, Summer

SAE 749 Student Outcomes

Prerequisite: admission to the Student Affairs in Higher Education program.

Fostering undergraduates' success inside and outside of the classroom is a byproduct of academic and student affairs collaboration. The aim of the course is to help new professionals understand the outcomes of student success.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SAE 755 Topical Seminar

Prerequisite: permission of SAE Program Director.

This seminar seeks to provide students a curricular structure to assimilate emerging professional development practices in higher education and student affairs. Course will not count toward SAE degree requirements.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Summer

SAE 760 Research Methods and Practicum

SAE 766 Research Methods and Data Analysis

Prerequisite: admission to the Student Affairs in Higher Education program.

This course provides a review of the most commonly utilized research designs and methods and approaches to data analysis and reporting in Student Affairs. Students will learn how to utilize research studies in the academic and professional literature and how to prepare research proposals and conduct research within a college or university setting. Students completing the course should have an understanding of the factors which influence research quality, including reliability, validity and the use and misuse of statistics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

SAE 767 Assessment and Evaluation

Prerequisite: admission to the Student Affairs in Higher Education program.

This course provides a "hands-on" approach to assessment and evaluation of individual and program outcomes in Student Affairs, focusing on how to measure change in student knowledge, skills and behaviors and the effectiveness of programs in producing outcomes. The course will also address the relationship of assessment and evaluation to: strategic, division and program planning; benchmarking and program review; and the preparation of grant proposals.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SAE 771 Capstone Seminar

Prerequisite: admission to Student Affairs in Higher Education program.

This professional seminar is designed to promote the integration of the core curriculum and practitioner experiences of the master's program in student affairs administration, and to prepare students for the transition to a professional Student Affairs position following completion of the degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

Special Education (SPE) courses

SPE 300 Service Learning in Special Education

Prerequisite: 30 hours and concurrent registration in SPE 310 or SPE 340 or SPE 715.

This service component for an existing course incorporates community service with classroom instruction in Special Education to provide an integrated learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

SPE 306 Integrating the Arts for Students with Disabilities

Prerequisite: SPE 310 and SPE 320 and SPE 345 and SPE 346; concurrent enrollment with SPE 519 or SPE 521 or SPE 619 or SPE 621 required.

Focuses on integration of five primary art forms (i.e., literature, music, drama, movement, and art) into the content area curriculum. Emphasis will be upon the five primary art forms, how they relate to and enhance one another, and how they facilitate children's learning within the core subject areas. Activities, materials, and lessons in these areas will be developed with particular attention to developmentally appropriate methodology and appropriate modifications/ accommodations useful in making the arts accessible to students with disabilities. A series of five workshops will explore the theory, methodology, and activities for integrating the arts into the daily routine of the classroom. Field experiences are a part of the course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

SPE 310 Introduction to Special Education

Prerequisite: 30 hours; and an initial Missouri State Board of Education entry examination must be taken.

Focuses on the special education process as mandated by state and federal guidelines. Legislation, litigation, and service options pertaining to diverse populations will be stressed including those with disabilities, culturally diverse, and gifted. Emphasis will be placed on current issues in the field of special education. Special Education majors will complete required first Transition Point in this course, including purchase of Taskstream and posting of initial Teacher Education Contract and Contact Information.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

SPE 320 Introduction to Teaching Cross Categorical Special Education

Prerequisite: SPE 310; and admission to Teacher Education Program.

Focuses on students served in cross categorical special education settings as well as low incidence populations. Emphasis will be placed on theoretical perspectives, etiology, characteristics, and historical aspects pertaining to individuals with mental retardation/intellectual disabilities, developmental disabilities, behavior disorders/emotional disturbance, and learning disabilities. Introduction to lesson planning and development of individual education plans will be included.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPE 322 Introduction to Teaching Cross-Categorical Special Education-Practicum

Prerequisite: Admission to teacher education; cleared FCSR background check; concurrent enrollment in SPE 320.

This practicum will provide students with opportunities to complete an introductory field experience involving K-12 cross-categorical special education services for children and youth with mild/moderate disabilities (i.e., learning disabilities, intellectual disabilities; developmental disabilities, emotional/behavioral disorders, and physical and other health impairments. Students are required to complete a minimum of 15

hours on-site in a cross-categorical special education setting.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

SPE 340 Educational Alternative for Exceptional Students

Prerequisite: 30 hours and at least a 2.50 GPA.

Provides an overview of characteristics and identification criteria for individuals with disabilities and gifted. Legislation and process pertaining to special education will be addressed along with a focus on teaching individuals with diversity in the elementary, middle, and secondary educational setting. Cannot be substituted for SPE 310 core requirement in the Special Education major or minor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

SPE 345 Educational Evaluation of Exceptional Students

Prerequisite: SPE 310; and concurrent enrollment in SPE 346; and admitted to Teacher Education Program.

Focuses on mastery of psychometric principles as well as diagnostic and prescriptive teaching from performance based data. Federal and state process guidelines pertaining to multidisciplinary evaluation will be addressed. Emphasis will be placed on assessment of diverse individuals including those with disabilities, cultural, ethnic, and language differences. Content will address norm-referenced and curriculum-based assessment procedures, including curriculum-based measurement.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	0	Fall, Spring

SPE 346 Educational Evaluation of Exceptional Students Lab

Prerequisite: SPE 310; and concurrent enrollment in SPE 345; and admitted to Teacher Education Program.

Students will apply course content presented in SPE 345 through field based and lab activities including administration and scoring of standardized assessment instruments, development of alternative assessments, data analysis, and report writing. Lab experiences will be designed to meet specific competencies in either Early Childhood Special Education or Special Education K-12.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

SPE 450 Methods of Teaching Mathematics to Exceptional Individuals

Prerequisite: SPE 345 and SPE 346 and MTH 320 and admitted to Teacher Education Program.

The focus of the course will include accommodating individual differences and diversifying instruction in the area of mathematics. Students will develop performance based assessment procedures, conduct error analyses, and apply mathematics skills in program planning for the

diverse learner. Cannot receive credit for both SPE 450 and SPE 717.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SPE 460 Curriculum Materials for Exceptional Students

Prerequisite: SPE 310 and admitted to Teacher Education Program.

This course examines curriculum materials for use with exceptional students in various remedial areas. Students will develop skills to analyze, select, utilize, and evaluate instructional guides and materials.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

SPE 480 Problems in Special Education

Prerequisite: permission of instructor.

The student in consultation with the advisor or teacher selects a topic in special education for in-depth study and/or special investigation. Number of class hours determined by semester hours of credit. May be repeated to a maximum of 5 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

SPE 491 Practicum-Teaching Individuals with Behavior Disorders/Emotional Disturbance

Prerequisite: concurrent enrollment in SPE 581 or SPE 661; and admitted to Teacher Education Program.

Students will apply skills from introductory and specialized courses in settings with students with behavior disorders/emotional disturbance. Students will be involved in individual and small group instruction, review diagnostic data, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Spring

SPE 492 Practicum-Teaching Individuals with Learning Disabilities

Prerequisite: concurrent enrollment in SPE 582 or SPE 662; and admitted to Teacher Education Program.

Students will apply skills from introductory and specialized courses in settings with students with learning disabilities. Students will be involved in individual small group instruction, develop and implement instructional lessons, and meet with the university supervisor and other practicum students to reflect on experiences.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall

SPE 493 Practicum-Teaching Individuals with Mental Retardation/Developmental Disabilities

Prerequisite: concurrent enrollment in SPE 583 or SPE 663; and admitted to Teacher Education Program.

Students will apply skills from introductory and specialized courses in settings with students with mental retardation and developmental disabilities. Students will be involved in individual and small group instruction, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Spring, Summer

SPE 495 Supervised Teaching-Special Education

Prerequisite: SPE 519 or SPE 619; and SPE 521 or SPE 621; and SPE 450; and SPE 517 or SPE 617; grade of C or better in all professional education courses; current pre-professional liability insurance; and approval for student teaching.

Student observes, teaches and participates in professional activities under the direction of the cooperating teacher and the University supervisor. In order to receive a grade in this course, the student's clinical logs and all competency-based assessment projects must be submitted and approved. Course will not count toward the major GPA. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
9			Fall, Spring

SPE 496 Seminar: Supervised Teaching-Special Education

Prerequisite: SPE 497 or SPE 520 and SPE 522; and concurrent enrollment in SPE 495.

Student observes, teaches, and participates in professional activities under the direction of the cooperating teacher and university supervisor or university instructor. Students administer all aspects of the instructional process, incorporating data-based decision making through conducting curriculum-based assessments as pre-/post-testing or on-going progress monitoring to support instruction of classroom content. Students will submit sample assessments, lesson objectives, lesson and unit plans, and summaries of impact of instruction upon learners in course projects. In order to receive a grade in this course, the student's student teaching performance-based assessments must be submitted and must meet instructor approval for certification submission. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Fall, Spring

SPE 497 Practicum: K-12 Cross-Categorical Special Education

Prerequisite: admission to Teacher Education Program; and SPE 517 or SPE 617; and SPE 519 or SPE 619; and SPE 521 or SPE 621; and the following courses taken prior or concurrent: SPE 516 or SPE 618, and SPE 550 or SPE 650; and SPE 560 or SPE 660; and cleared background check.

Students will apply skills from introductory and specialized courses in cross-categorical special education settings with students diagnosed with mild/moderate disabilities such as learning disabilities, behavioral disorders, developmental disabilities (e.g., intellectual disabilities, autism, Asperger syndrome, cerebral palsy) and orthopedic and health impairments (e.g., ADHD, epilepsy). Students will be involved in individual and small group instruction, review diagnostic data, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences. Competencies in development of lesson plans, development of Individual Education Programs (IEPs), development of transition plans, and development of parent/family communication procedures will be emphasized. Minimum of 120 field experience hours will be required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	0	8	Fall, Spring

SPE 499 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and SPE 497 or SPE 520 and SPE 522; and concurrent enrollment in SPE 496; and grades of "C" or better in all professional education courses; and completion of Transition Points 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of educator preparation requirements. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

SPE 502 Early Intervention for Young Children with Autism

Prerequisite: permission of department head.

This course constitutes the second and last segment of the Missouri Autism Institute for educators who are, or will be, working with young children birth to age six who experience symptoms of autism. May be taught concurrently with SPE 602. Cannot receive credit for both SPE 602 and SPE 502.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

SPE 504 In-District Autism Consultant Training

Prerequisite: current Missouri teaching certification.

Students will study advanced educational techniques of autism in general and educational methodologies specifically used with children with autism. Instruction will be provided in consultation and collaboration techniques. Students will demonstrate competence in educational report writing and in-service instruction. Personal professional development plans will be developed by each student, as well as a rating of personal competence. Students will be provided with resources for further study. May be taught concurrently with SPE 604. Cannot receive credit for both SPE 604 and SPE 504.

credit for both SPE 604 and SPE 504.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

SPE 505 Braille Reading and Writing I

Prerequisite: permission of instructor.

This online course has been designed to enable teachers of children and youth with visual impairments develop basic competencies in reading and writing literary Braille, prepare correctly formatted Braille material, and have an awareness and basic understanding of the Nemeth codes for math and science for students grades K-12. Students will employ the use of the Perkins Braille Writer, slate and stylus, Perky Duck, and Duxbury translation software to produce high quality Braille material. Successful completion of this course should be regarded as only one step in a series of courses leading to certification in teaching students with visual impairments. An approved certification process must be completed in order to acquire basic and necessary competencies for work with children and youth with visual impairments. Finally, the course has been designed to help teachers develop an appreciation for the Braille system and the application of this system to all aspects of life for individuals with visual impairments. Instructor and/or site based facilitators will provide monthly face to face instruction to students whenever possible. Students must complete SPE 505 and SPE 611 to achieve mastery of literary Braille code. Note: Midterm and final examinations will be proctored. May be taught concurrently with SPE 605. Cannot receive credit for both SPE 605 and SPE 505.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPE 506 Principles of Orientation and Mobility

Prerequisite: permission of instructor.

This course focuses on the history, philosophy, and ethics of orientation and mobility. Participants will also consider various consumer driven approaches in orientation and mobility. The course will give the teacher of the visually impaired the ability to perform and monitor basic techniques of orientation and mobility as used by students who are blind, visually impaired, or multi-handicapped. Students will be required to create a video record of their blindfold and other sensory experiences to illustrate their skill development. Note: Midterm and final examinations will be proctored. May be taught concurrently with SPE 606. Cannot receive credit for both SPE 606 and SPE 506.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

SPE 507 Services and Diversity in Blindness and Low Vision and Additional Disabilities

Prerequisite: permission of instructor.

An introduction to educational programs and services, and diversity issues for persons with blindness or low vision, deaf-blindness and multiple disabilities. This course will provide teachers, paraprofessionals, rehabilitation professionals, counselors, social workers, psychologists, etc. with a foundation in the issues of diversity for persons with blindness or low vision, historical perspectives, developmental characteristics, resources, and legislation related to blindness and low vision and multiple disabilities. An emphasis will be placed on the implications of blindness or low vision, deaf-blindness and multiple disabilities on the development of the individual and on resources that enhance functioning. May be taught concurrently with SPE 607. Cannot receive credit for both SPE 607 and SPE 507.

enhance functioning. May be taught concurrently with SPE 607. Cannot receive credit for both SPE 607 and SPE 507.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

SPE 508 Low Vision, Anatomy and Physiology of the Eye

Prerequisite: permission of instructor.

This online course will introduce teachers, rehabilitation specialists and others to practical applications of low vision techniques. The students will use low vision simulators to perceive, integrate and react to different environmental stimuli. Sections of the course will involve clinical low vision examinations. Analysis and application of the fundamental principles and theory of sensory information acquisition by the visually impaired or blind as it applies to the classroom teacher will be stressed. Also, the course will address a full array of eye diseases and conditions and the educational implications. Note: Midterm and final examinations will be proctored. May be taught concurrently with SPE 608. Cannot receive credit for both SPE 608 and SPE 508.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPE 510 Physical and Health Needs of Students with Disabilities

Prerequisite: SPE 345 and SPE 346; and admitted to Teacher Education Program.

Focuses on the role of the special educator in management of health related issues such as monitoring medication and providing services to individuals with specialized self care needs and those with chronic illness. Emphasis will be placed on collaboration with related services staff and medical personnel as well as the integration of the student with health care needs into school and community settings. May be taught concurrently with SPE 613. Cannot receive credit for both SPE 613 and SPE 510.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPE 515 Foundations of Applied Behavior Analysis and Interventions for Teachers in Applied Settings

Prerequisite: admission to the Teacher Education Program.

Focuses on the foundational principles of applied behavior analysis. Emphasis will be placed on the development of positive behavior support plans that proactively assist students with challenging behavior in applied and/or school settings. May be taught concurrently with SPE 616. Cannot receive credit for both SPE 616 and SPE 515.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPE 516 Application of Applied Behavior Analysis and Interventions in

Applied Settings

Prerequisite: SPE 515.

Focuses on the application of applied behavior analysis principles within school-based settings. Students will complete functional analysis/assessment on children and youth with disabilities and employ science based instruction strategies is school settings. Minimum of 60-hour field experience, scheduled as a minimum of 3 sessions per week, is required as a component of this course to implement the project, documenting impact of data-based decision-making practices in the classroom. May be taught concurrently with SPE 618. Cannot receive credit for both SPE 618 and SPE 516.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

SPE 517 Direct Instruction in Reading and Language Arts

Prerequisite: SPE 310 or SPE 340; and SPE 345 and SPE 346.

Empirically based instructional practices with emphasis on systematic development of reading and written language skills to support learners with special needs will be applied in a school setting. Students will also gain knowledge of varied theoretical perspectives and instructional approaches including validated behavioral and cognitive based methods that support diverse learners. The content of the course will include activities to support determination of present level of performance and placement in special and general education curricula per IDEA and other Federal mandates. May be taught concurrently with SPE 617. Cannot receive credit for both SPE 617 and SPE 517.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SPE 519 Methods I: Cognitive and Behavioral Teaching Approaches for Exceptional Learners

Prerequisite: SPE 310 and SPE 320 and SPE 345 and SPE 346 and SPE 515 or concurrent enrollment in SPE 515; and admitted to Teacher Education Program.

Focuses on the application of theoretical perspectives and research-based methods of teaching students with learning disabilities or emotional and behavior disturbances. Evaluation procedures appropriate to analysis of academic achievement, social behavior, monitoring achievement, and behavioral change will be emphasized along with educational programming that promotes increasing achievement levels, improved social development, and inclusion. This course will incorporate elements of career/vocational education and transition, plus accommodations and best practices for content-area instruction provided to diverse learners in the general education program. May be taught concurrently with SPE 619. Cannot receive credit for both SPE 619 and SPE 519.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPE 520 Practicum-Teaching Individuals with Learning and Behavioral Disorders

Prerequisite: concurrent enrollment in SPE 519 and admitted to Teacher Education Program.

Students will apply skills from introductory and specialized courses in settings with students with learning disabilities and behavioral

disorders. Students will be involved in individual and small group instruction, review diagnostic data, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences. May be taught concurrently with SPE 620. Cannot receive credit for both SPE 620 and SPE 520.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Upon demand

SPE 521 Methods II: Functional Living Skills and Health Issues

Prerequisite: SPE 320 and SPE 322 and SPE 345 and SPE 346; and SPE 515 or SPE 616 or concurrent enrollment in SPE 515 or SPE 616; and admitted to Teacher Education Program.

Stresses application of theoretical perspectives and research-based methods for individuals with developmental disabilities (i.e., intellectual disabilities, autism, cerebral palsy) who may have associated orthopedic and health impairments (e.g., ADHD and epilepsy). Students will conduct an analysis of assessment data, apply data in the development of diagnostic conclusions and corresponding educational plans. Emphasis will be placed on evaluation, accommodations, and programming for integration in school, community, and vocational settings. May be taught concurrently with SPE 621. Cannot receive credit for both SPE 621 and SPE 521.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPE 522 Practicum-Instruction of Students with Developmental Disabilities and Other Health Impairments

Prerequisite: concurrent enrollment in SPE 521 and admitted to Teacher Education Program.

Students will apply skills from introductory and specialized courses in settings with students with developmental disabilities (e.g., mental retardation, autism, Asperger syndrome, cerebral palsy) and orthopedic and health impairments (e.g., ADHD, epilepsy). Students will be involved in individual and small group instruction, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences. May be taught concurrently with SPE 622. Cannot receive credit for both SPE 622 and SPE 522.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Upon demand

SPE 523 Curriculum and Methods in Early Childhood Special Education

Prerequisite: SPE 310; and admission to Teacher Education Program.

Focuses on major aspects in early childhood special education including legislation, litigation, and current issues in the field. Each area of development of young children with disabilities will be a part of the course with particular emphasis on adaptation of materials and curricula to meet the needs of these children. There will also be a focus on families and issues surrounding assessment and eligibility for special education programs. Reflection on current practices and services for young children with disabilities will be included. May be taught concurrently with SPE 623. Cannot receive credit for both SPE 623 and SPE 523.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	3 **Lecture contact hours**	0 **Lab contact hours**	Upon demand **Typically offered**

SPE 525 Introduction to Teaching and Assessing Students with Autism Spectrum Disorders

Prerequisite: admitted to Teacher Education Program; SPE 345 and SPE 346.

This course will support individuals across various disciplines who wish to gain knowledge of identification and programming for individuals on the Autism Spectrum. Conditions associated with ASD will be examined along with etiology, prevalence, and programming issues for this population of individuals. This course will also emphasize school based interventions that are validated by research. May be taught concurrently with SPE 625. Cannot receive credit for both SPE 625 and SPE 525.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPE 526 Applied Behavioral Analysis for Developmental Disabilities and Autism Spectrum Disorders

Prerequisite: SPE 515; and SPE 516 or PSY 508.

The evolution of science based practices for students with developmental disabilities and autism spectrum disorders are still emerging within the field of education. The purpose of this course is to train teachers and/or care providers to identify science based practices within applied behavior analysis and apply these principles to students with developmental disabilities and autism spectrum disorders within applied settings. This course will focus on the use of operant behavioral techniques with an emphasis on functional analysis and functional communication training. Students will conduct clinical and school-based assessments and interventions with school age children diagnosed with developmental disabilities and autism spectrum disorders. May be taught concurrently with SPE 626. Cannot receive credit for both SPE 626 and SPE 526.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

SPE 527 Seminar in Developmental and Sensory Disabilities

Prerequisite: SPE 507 or SPE 525 or equivalent.

This course is designed to provide practitioners with the knowledge and skills to implement research based practices for individuals with developmental disabilities including autism spectrum disorders (ASD). The course will also address issues specific to sensory integration, visual impairments, and significant cognitive delays. Students will examine in depth, approaches and models validated to support present level of performance needs for individuals with a variety of developmental and sensory requirements. Students will complete lecture hours where theoretical perspectives and the detailed components of various treatments are examined. In a corresponding field component, students will implement an applied project that will address the sensory, communication, learning, and social needs of a client who has been identified with multiple developmental delays. Measurement of outcomes specific to treatment plans will be a significant component of the applied activities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

SPE 540 International Experience in K-12 Special Education Study Abroad

SPE 540 International Experiences in K-12 Special Education - Study Away

Prerequisite: SPE 310 or SPE 340, or concurrent enrollment.

This course involves a field-based study away experience involving an investigation of special education practices in other cultures while living and studying in an international location. The course will involve a study of basic language and cultural norms of the international location prior to travel to the site. Students will gain a greater understanding of the language, culture, K-12 regular education, and K-12 special education practices in the international site, as compared to required K-12 special education practices in the United States. May be taught concurrently with SPE 640. Cannot receive credit for both SPE 540 and SPE 640. May be repeated to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

SPE 550 Career/Vocational Education and Transition

Prerequisite: admitted to Teacher Education Program.

Legislation and process pertaining to transition services for individuals with disabilities will be emphasized. Students will explore vocational service delivery options and the role of the multidisciplinary team in the development and implementation of appropriate life skill programming across the age span. May be taught concurrently with SPE 650. Cannot receive credit for both SPE 650 and SPE 550.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SPE 556 Topical Issues in Special Education

Prerequisite: permission of instructor.

To develop understanding and skills in relevant areas of special education. Each offering concerns a single topic. Number of class hours determined by semester hours of credit. May be repeated to a maximum of 5 hours when topics change. Variable content course. May be taught concurrently with SPE 656. Cannot receive credit for both SPE 656 and SPE 556.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

SPE 560 Working with Families of Exceptional Individuals

Recommended Prerequisite: SPE 310. The relationship between families of children with special needs and various agencies is a central theme of this course. Techniques for working with a variety of families will be explored along with the impact of many ecological factors on families of students with disabilities. May be taught concurrently with SPE 660. Cannot receive credit for both SPE 660 and SPE 560.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SPE 579 Application of Technology in Special Education

Prerequisite: admission to Teacher Education; and SPE 320.

This course is designed to provide pre-service special education teachers with an introduction to the use of computer technology and a variety of assistive and augmentative technology in the instruction of children and adults with learning, behavior, sensory, motor and communication disabilities. Students will incorporate effective practices for the use of assistive and augmentative technology in assessment, selection of devices, and evaluation of assistive technologies for individuals with disabilities. Students acquire competencies related to the use of assistive devices and emerging technologies through online and field based demonstrations the implementation of effective practices in schools and other agencies which serve individuals with disabilities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPE 581 Methods of Teaching Individuals with Behavior Disorders/Emotional Disturbance

Prerequisite: concurrent enrollment in SPE 491 and admitted to Teacher Education Program.

This course will focus on application of theoretical perspectives and research-based methods of teaching students with emotional and behavior disturbances. Evaluation procedures appropriate to analysis of social behavior and monitoring behavioral change will be emphasized along with educational programming that promotes social development and inclusion. May be taught concurrently with SPE 661. Cannot receive credit for both SPE 661 and SPE 581.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SPE 582 Methods of Teaching Individuals with Learning Disabilities

Prerequisite: SPE 345 and SPE 346 and concurrent enrollment in SPE 492 and admitted to Teacher Education Program.

Students will apply theoretical perspectives and research based methods in the development of diagnostic reports and educational plans for students with Learning Disabilities. Emphasis will be placed on the educator as a collaborator and advocate for provision of services in integrated settings; and on the educator as a specialist in evaluation, curricular accommodation, and modification. May be taught concurrently with SPE 662. Cannot receive credit for both SPE 662 and SPE 582.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPE 583 Methods of Teaching Individuals with Mental Retardation/Developmental Disabilities

Prerequisite: SPE 345 and SPE 346 and concurrent enrollment in SPE 493 and admitted to Teacher Education Program.

The course will stress application of theoretical perspectives and research-based methods for individuals with mental retardation and developmental disabilities. Students will conduct an analysis of assessment data, apply data in the development of diagnostic conclusions and corresponding educational plans. Emphasis will be placed on evaluation and programming for integration in school, community, and vocational settings. May be taught concurrently with SPE 663. Cannot receive credit for both SPE 663 and SPE 583.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered
3	3	0	Spring, Summer

SPE 584 Language Development of Exceptional Students

Prerequisite: SPE 345 and SPE 346 and admitted to Teacher Education Program.

Language development and intervention for exceptional individuals. Language assessment and curriculum development for individuals with disabilities, as well as for individuals who are culturally and ethnically diverse, will be addressed. May be taught concurrently with SPE 664. Cannot receive credit for both SPE 664 and SPE 584.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SPE 587 Introduction to the Education of Students with Behavior Disorders

Prerequisite: SPE 310 and admitted to Teacher Education Program.

Students will acquire knowledge of identification, classification, diagnostic, and educational planning procedures based on the predominant conceptual models. Required for certification as teacher of students with behavior disorders. May be taught concurrently with SPE 667. Cannot receive credit for both SPE 667 and SPE 587.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPE 590 Approaches in Mainstreaming Exceptional Students

Prerequisite: SPE 310 or SPE 340 and admitted to Teacher Education Program.

Application of methods for modifying instructional materials and curriculum to help special education and regular classroom teachers meet the demands of mainstreaming. May be taught concurrently with SPE 670. Cannot receive credit for both SPE 670 and SPE 590.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPE 591 Clinical Practicum in Special Education

Prerequisite: permission of instructor.

This course is open to professionals with teaching certification or students pursuing a minor requiring credit hours in addition to SPE 491, 492, or 493. Students will collect data, develop and implement individual educational programs, and submit an extensive written report. Assignments will be based on area of certification. In addition, this course is utilized for credit hours toward an Internship in Orientation and Mobility and Internship in Visual Impairment. See instructor for specific requirements. May be taught concurrently with SPE 671. Cannot

receive credit for both SPE 671 and SPE 591.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SPE 602 Early Intervention for Young Children with Autism

Prerequisite: permission of instructor.

This course constitutes the second and last segment of the Missouri Autism Institute for educators who are, or will be, working with young children birth to age six who experience symptoms of autism. May be taught concurrently with SPE 502. Cannot receive credit for both SPE 502 and SPE 602.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

SPE 604 In-District Autism Consultant Training

Prerequisite: current Missouri teaching certification or permission of department head.

Students will study advanced educational techniques of autism in general and educational methodologies specifically used with children with autism. Instruction will be provided in consultation and collaboration techniques. Students will demonstrate competence in educational report writing and in-service instruction. Personal professional development plans will be developed by each student, as well as a rating of personal competence. Students will be provided with resources for further study. May be taught concurrently with SPE 504. Cannot receive credit for both SPE 504 and SPE 604.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

SPE 605 Braille Reading and Writing I

Prerequisite: permission of instructor.

This online course has been designed to enable teachers of children and youth with visual impairments develop basic competencies in reading and writing literary Braille, prepare correctly formatted Braille material, and have an awareness and basic understanding of the Nemeth codes for math and science for students grades K-12. Students will employ the use of the Perkins Braille Writer, slate and stylus, Perky Duck, and Duxbury translation software to produce high quality Braille material. Successful completion of this course should be regarded as only one step in a series of courses leading to certification in teaching students with visual impairments. An approved certification process must be completed in order to acquire basic and necessary competencies for work with children and youth with visual impairments. Finally, the course has been designed to help teachers develop an appreciation for the Braille system and the application of this system to all aspects of life for individuals with visual impairments. Instructor and/or site based facilitators will provide monthly face to face instruction to students whenever possible. Students must complete SPE 505 and SPE 611 to achieve mastery of literary Braille code. Note: Midterm and final examinations will be proctored. May be taught concurrently with SPE 505. Cannot receive credit for both SPE 505 and SPE 605.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPE 606 Principles of Orientation and Mobility

Prerequisite: permission of instructor.

This online course focuses on the history, philosophy, and ethics of orientation and mobility. Participants will also consider various consumer driven approaches in orientation and mobility. The course will give the teacher of the visually impaired the ability to perform and monitor basic techniques of orientation and mobility as used by students who are blind, visually impaired, or multi-handicapped. Students will be required to create a video record of their blindfold and other sensory experiences to illustrate their skill development. Note: Midterm and final examinations will be proctored. May be taught concurrently with SPE 506. Cannot receive credit for both SPE 506 and SPE 606.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

SPE 607 Services and Diversity in Blindness and Low Vision and Additional Disabilities

Prerequisite: permission of instructor.

An introduction to educational programs and services, and diversity issues for persons with blindness or low vision, deaf-blindness and multiple disabilities. This course will provide teachers, paraprofessionals, rehabilitation professionals, counselors, social workers, psychologists, etc. with a foundation in the issues of diversity for persons with blindness and low vision, historical perspectives, developmental characteristics, resources, and legislation related to severe and multiple disabilities. An emphasis will be placed on the implications of blindness or low vision, deaf-blindness and multiple disabilities on the development of the individual and on resources that enhance functioning. May be taught concurrently with SPE 507. Cannot receive credit for both SPE 507 and SPE 607.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

SPE 608 Low Vision, Anatomy and Physiology of the Eye

Prerequisite: permission of instructor.

This online course will introduce teachers, rehabilitation specialists and others to practical applications of low vision techniques. The students will use low vision simulators to perceive, integrate and react to different environmental stimuli. Sections of the course will involve clinical low vision examinations. Analysis and application of the fundamental principles and theory of sensory information acquisition by the visually impaired or blind as it applies to the classroom teacher will be stressed. Also, the course will address a full array of eye diseases and conditions and the educational implications. Note: Midterm and final examinations will be proctored. May be taught concurrently with SPE 508. Cannot receive credit for both SPE 508 and SPE 608.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPE 613 Physical and Health Needs of Students with Disabilities

Prerequisite: SPE 715.

Focuses on the role of the special educator in management of health related issues such as monitoring medication and providing services to individuals with specialized self care needs and those with chronic illness. Emphasis will be placed on collaboration with related services staff and medical personnel as well as the integration of the student with health care needs into school and community settings. May be taught concurrently with SPE 510. Cannot receive credit for both SPE 510 and SPE 613.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPE 616 Foundations of Applied Behavior Analysis and Interventions for Teachers in Applied Settings

Prerequisite: admission to the Special Education program or Early Childhood Special Education program.

Focuses on the foundational principles of applied behavior analysis. Emphasis will be placed on the development of positive behavior support plans that proactively assist students with challenging behavior in applied and/or school settings. May be taught concurrently with SPE 515. Cannot receive credit for both SPE 616 and SPE 515.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPE 617 Direct Instruction in Reading and Language Arts

Prerequisite: SPE 310 or SPE 715; and SPE 345 or SPE 782; and SPE 346 or SPE 792.

Empirically based instructional practices with emphasis on systematic development of reading and written language skills to support learners with special needs will be applied in a school setting. Students will also gain knowledge of varied theoretical perspectives and instructional approaches including validated behavioral and cognitive based methods that support diverse learners. The content of the course will include activities to support determination of present level of performance and placement in special and general education curricula per IDEA and other Federal mandates. May be taught concurrently with SPE 517. Cannot receive credit for both SPE 517 and SPE 617.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SPE 618 Application of Applied Behavior Analysis and Interventions in Applied Settings

Prerequisite: SPE 515 or SPE 616.

Focuses on the application of applied behavior analysis principles within school-based settings. Students will complete functional analysis/assessment on children and youth with disabilities and employ science based instruction strategies in school settings. Minimum of 60-hour field experience, scheduled as a minimum of 3 sessions per week, is required as a component of this course to implement the project, documenting impact of data-based decision-making practices in the classroom. May be taught concurrently with SPE 516. Cannot receive credit for both SPE 516 and SPE 618.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

SPE 619 Methods I: Cognitive and Behavioral Teaching Approaches for Exceptional Learners

Prerequisite: SPE 310 and SPE 320 or SPE 715; and SPE 345 or SPE 782; and SPE 346 or SPE 792; and SPE 515 or SPE 616 or concurrent enrollment; and admitted to MSED program in Special Education.

Focuses on the application of theoretical perspectives and research-based methods of teaching students with learning disabilities or emotional and behavior disturbances. Evaluation procedures appropriate to analysis of academic achievement, social behavior, monitoring achievement, and behavioral change will be emphasized along with educational programming that promotes increasing achievement levels, improved social development, and inclusion. This course will incorporate elements of career/vocational education and transition, plus accommodations and best practices for content-area instruction provided to diverse learners in the general education program. May be taught concurrently with SPE 519. Cannot receive credit for both SPE 519 and SPE 619.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPE 620 Practicum-Teaching Individuals with Learning and Behavioral Disorders

Prerequisite: concurrent enrollment in SPE 619; and Teacher Certification students must be admitted to Teacher Education Program.

Students will apply skills from introductory and specialized courses in settings with students with learning disabilities and behavioral disorders. Students will be involved in individual and small group instruction, review diagnostic data, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences. May be taught concurrently with SPE 520. Cannot receive credit for both SPE 520 and SPE 620.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Upon demand

SPE 621 Methods II: Functional Living Skills and Health Issues

Prerequisite: SPE 320 and SPE 322 or SPE 715; SPE 345 or SPE 782; and SPE 346 or SPE 792; and SPE 515 or SPE 616 or concurrent enrollment in SPE 515 or SPE 616; and admitted to MSED Special Education program.

Stresses application of theoretical perspectives and research-based methods for individuals with developmental disabilities (i.e., intellectual disabilities, autism, cerebral palsy) who may have associated orthopedic and health impairments (e.g., ADHD and epilepsy). Students will conduct an analysis of assessment data, apply data in the development of diagnostic conclusions and corresponding educational plans. Emphasis will be placed on evaluation, accommodations, and programming for integration in school, community, and vocational settings. May be taught concurrently with SPE 521. Cannot receive credit for both SPE 521 and SPE 621.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPE 622 Practicum-Instruction of Students with Developmental Disabilities and Other Health Impairments

Prerequisite: concurrent enrollment in SPE 621 and Teacher Certification students must be admitted to Teacher Education Program.

Students will apply skills from introductory and specialized courses in settings with students with developmental disabilities (e.g., mental retardation, autism, Asperger syndrome, cerebral palsy) and orthopedic and health impairments (e.g., ADHD, epilepsy). Students will be involved in individual and small group instruction, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences. May be taught concurrently with SPE 522. Cannot receive credit for both SPE 522 and SPE 622.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Upon demand

SPE 623 Curriculum and Methods in Early Childhood Special Education

Prerequisite: SPE 310 or SPE 715; and admission to MSEd in Special Education or Elementary Education or Early Childhood Special Education, or MS in Early Childhood and Family Development, or permission of department head.

Focuses on major aspects in early childhood special education including legislation, litigation, and current issues in the field. Each area of development of young children with disabilities will be a part of the course with particular emphasis on adaptation of materials and curricula to meet the needs of these children. There will also be a focus on families and issues surrounding assessment and eligibility for special education programs. Reflection on current practices and services for young children with disabilities will be included. May be taught concurrently with SPE 523. Cannot receive credit for both SPE 523 and SPE 623.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPE 625 Introduction to Teaching and Assessing Students with Autism Spectrum Disorders

Prerequisite: permission of instructor.

This course will support individuals across various disciplines who wish to gain knowledge of identification and programming for individuals on the Autism Spectrum. Conditions associated with ASD will be examined along with etiology, prevalence, and programming issues for this population of individuals. This course will also emphasize school based interventions that are validated by research. May be taught concurrently with SPE 525. Cannot receive credit for both SPE 525 and SPE 625.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPE 626 Applied Behavioral Analysis for Developmental Disabilities and Autism Spectrum Disorders

Prerequisite: SPE 515 or SPE 616; and SPE 516 or SPE 618.

The evolution of science based practices for students with developmental disabilities and autism spectrum disorders are still emerging within the field of education. The purpose of this course is to train teachers and/or care providers to identify science based practices within applied behavior analysis and apply these principles to students with developmental disabilities and autism spectrum disorders within applied settings. This course will focus on the use of operant behavioral techniques with an emphasis on functional analysis and functional communication training. Students will conduct clinical and school-based assessments and interventions with school age children diagnosed

communication training. Students will conduct clinical and school based assessments and interventions with school age children diagnosed with developmental disabilities and autism spectrum disorders. May be taught concurrently with SPE 526. Cannot receive credit for both SPE 526 and SPE 626.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

SPE 627 Research-Based Strategies for Individuals with ASD

Prerequisite: SPE 618 or SPE 625 or equivalent.

This course is designed to provide students with an overview of current research-based practices for individuals with ASD, including functional communication training, discrete trial training, pivotal response training, visual strategies, social-communication programming, and naturalistic and structured teaching methodologies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

SPE 640 International Experiences in K-12 Special Education - Study Away

Prerequisite: SPE 310 or SPE 340 or SPE 715, or concurrent enrollment.

This course involves a field-based study away experience involving an investigation of special education practices in other cultures while living and studying in an international location. The course will involve a study of basic language and cultural norms of the international location prior to travel to the site. Students will gain a greater understanding of the language, culture, K-12 regular education, and K-12 special education practices in the international site, as compared to required K-12 special education practices in the United States. May be taught concurrently with SPE 540. Cannot receive credit for both SPE 640 and SPE 540. May be repeated to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

SPE 650 Career/Vocational Education and Transition

Prerequisite: Teacher Certification students must be admitted to Teacher Education Program.

Legislation and process pertaining to transition services for individuals with disabilities will be emphasized. Students will explore vocational service delivery options and the role of the multidisciplinary team in the development and implementation of appropriate life skill programming across the age span. May be taught concurrently with SPE 550. Cannot receive credit for both SPE 550 and SPE 650.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SPE 656 Topical Issues in Special Education

Prerequisite: permission of instructor.

To develop understanding and skills in relevant areas of special education. Each offering concerns a single topic. Number of class hours determined by semester hours of credit. May be repeated to a maximum of 5 hours when topics change. Variable Content Course. May be taught concurrently with SPE 556. Cannot receive credit for both SPE 556 and SPE 656.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

SPE 660 Working with Families of Exceptional Individuals

Recommended Prerequisite: SPE 715. The relationship between families of children with special needs and various agencies is a central theme of this course. Techniques for working with a variety of families will be explored along with the impact of many ecological factors on families of students with disabilities. May be taught concurrently with SPE 560. Cannot receive credit for both SPE 560 and SPE 660.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SPE 661 Methods of Teaching Individuals with Behavior Disorders/Emotional Disturbance

Prerequisite: concurrent enrollment in SPE 491; and Teacher Certification students must be admitted to Teacher Education Program.

This course will focus on application of theoretical perspectives and research-based methods of teaching students with emotional and behavior disturbances. Evaluation procedures appropriate to analysis of social behavior and monitoring behavioral change will be emphasized along with educational programming that promotes social development and inclusion. May be taught concurrently with SPE 581. Cannot receive credit for both SPE 581 and SPE 661.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SPE 662 Methods of Teaching Individuals with Learning Disabilities

Prerequisite: SPE 345 and SPE 346; and concurrent enrollment in SPE 492; and Teacher Certification students must be admitted to Teacher Education Program.

Students will apply theoretical perspectives and research based methods in the development of diagnostic reports and educational plans for students with Learning Disabilities. Emphasis will be placed on the educator as a collaborator and advocate for provision of services in integrated settings; and on the educator as a specialist in evaluation, curricular accommodation, and modification. May be taught concurrently with SPE 582. Cannot receive credit for both SPE 582 and SPE 662.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPE 663 Methods of Teaching Individuals with Mental

Retardation/Developmental Disabilities

Prerequisite: SPE 345 and SPE 346; and concurrent enrollment in SPE 493; and Teacher Certification students must be admitted to Teacher Education Program.

The course will stress application of theoretical perspectives and research-based methods for individuals with mental retardation and developmental disabilities. Students will conduct an analysis of assessment data, apply data in the development of diagnostic conclusions and corresponding educational plans. Emphasis will be placed on evaluation and programming for integration in school, community, and vocational settings. May be taught concurrently with SPE 583. Cannot receive credit for both SPE 583 and SPE 663.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring, Summer

SPE 664 Language Development of Exceptional Students

Prerequisite: SPE 345 or SPE 782; and SPE 346 or SPE 792; and admitted to MSED program in Special Education.

Language development and intervention for exceptional individuals. Language assessment and curriculum development for individuals with disabilities, as well as for individuals who are culturally and ethnically diverse, will be addressed. May be taught concurrently with SPE 584. Cannot receive credit for both SPE 584 and SPE 664.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SPE 667 Introduction to the Education of Students with Behavior Disorders

Prerequisite: SPE 310 and Teacher Education students must be admitted to Teacher Education Program.

Students will acquire knowledge of identification, classification, diagnostic, and educational planning procedures based on the predominant conceptual models. Required for certification as teacher of students with behavior disorders. May be taught concurrently with SPE 587. Cannot receive credit for both SPE 587 and SPE 667.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPE 670 Approaches in Mainstreaming Exceptional Students

Prerequisite: SPE 310 or SPE 340 and Teacher Certification students must be admitted to Teacher Education Program.

Application of methods for modifying instructional materials and curriculum to help special education and regular classroom teachers meet the demands of mainstreaming. May be taught concurrently with SPE 590. Cannot receive credit for both SPE 590 and SPE 670.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPE 671 Clinical Practicum in Special Education

Prerequisite: permission of instructor.

This course is open to professionals with teaching certification or students pursuing a minor requiring credit hours in addition to SPE 491, 492, or 493. Students will collect data, develop and implement individual educational programs, and submit an extensive written report. Assignments will be based on area of certification. In addition, this course is utilized for credit hours toward an Internship in Orientation and Mobility and Internship in Visual Impairment. See instructor for specific requirements. May be taught concurrently with SPE 591. Cannot receive credit for both SPE 591 and SPE 671.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SPE 709 Methods of Teaching Students with Visual Impairments and Multiple Disabilities

Prerequisite: permission of instructor.

This online course is one of six courses offered to provide prospective teachers of children and youth with visual impairments (including those with multiple disabilities) competency-based training for work with this population in K-12 schools. Provides students with the pedagogical preparation to effectively teach Braille reading and writing, organize activities to promote literacy development, utilize assistive technology (including voice output and other computer based applications), teach compensatory skills and strategies for mathematics, development of listening skills, as well as other instructional adaptations for the curricular areas of language arts, science, and social studies. In addition, the course focuses on the teaching of social skills needed for success in education and employment. Participants will demonstrate the ability to assess, adapt, evaluate and teach academic subjects and specialized curricula for students with visual impairments, including those with multiple disabilities. Note: midterm and final examinations will be proctored.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SPE 710 Problems in Special Education

Major issues in the field of special education designed to meet individual student needs. May be repeated to a total of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SPE 711 Braille Reading and Writing II

Prerequisite: SPE 505 or SPE 605.

This advanced, online course in Braille reading and writing will focus on competencies in reading and writing literary Braille and the Nemeth Codes for science and mathematics. Participants will also demonstrate the ability to teach basic assistive devices, and to provide instruction in tactile graphics. An introduction to the transcription in Braille code for music and foreign languages will also be presented. Instructor and/or site based facilitators will provide monthly face to face instruction to students whenever possible. Note: midterm and final examinations will be proctored.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SPE 712 Instructional Techniques and Strategies of Orientation and Mobility

Prerequisite: SPE 506 or SPE 606; and SPE 508 or SPE 608.

Provides participants with the techniques and strategies used by individuals who are blind or visually impaired for independent orientation and mobility. Participants will apply the strategies of orientation and mobility techniques while using blindfolds and low vision simulators. The application of skills will be completed in indoor environments as well as residential, business, rural, and commercial areas.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	6	0	Summer

SPE 714 Professional Issues and Assessment in Orientation and Mobility with Diverse Populations

Prerequisite: SPE 505 or SPE 605; and SPE 506 or SPE 606; and SPE 508 or SPE 608; and SPE 712.

This online course will provide participants with the overall philosophy of orientation and mobility including: the Code of Ethics and Certification standards. Current literature and issues pertinent to the profession of orientation and mobility will be discussed. This will include issues impacting programming with students with multiple disabilities, the development and administration of an effective orientation and mobility instructional program, assessment procedures, and research approaches. Note: midterm and final examinations will be proctored.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPE 715 Foundations in Special Education

Focuses on legislation and litigation in the area of Education and Special Education and will include an overview of categorical disabilities including identification, etiology, and prevalence. The integration of individuals with disabilities across educational and community settings will be stressed along with an overview of programming validated to support specialized populations including those with disabilities and cultural and linguistic differences. In addition, the course will focus on strategies to support individuals identified as gifted as well as individuals identified at risk for school failure.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

SPE 717 Methods of Teaching Mathematics to Exceptional Individuals

Prerequisite: SPE 310 or SPE 715; and SPE 345 or SPE 782; and SPE 346 or SPE 792; and admission to graduate program in Special Education.

The focus of the course will include accommodating individual differences and diversifying instruction in the area of mathematics. Students will develop performance based assessment procedures, conduct error analyses, and apply mathematics skills in program planning for the diverse learner. Cannot receive credit for both SPE 450 and SPE 717.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPE 730 Health, Functional, and Psychosocial Aspects of Disability

Prerequisite: permission of instructor.

This course presents an interdisciplinary approach to the study of disability in education and rehabilitation. It includes information on disabilities such as traumatic brain injury, orthopedic, neuromuscular, sensory, learning, cardiovascular, psychiatric, and other selected disabilities and health conditions, including multiple disabilities. Emphasis is placed upon the characteristics of disabilities and resulting functional effects on persons with additional emphasis on the effects of multiple disabilities. This course also provides an understanding of the psychosocial and environmental factors that impact the integration into society by individuals with disabilities. It examines the philosophy of rehabilitation, major classifications and paradigms, common stereotypes, personal and societal attitudes and measurement, theories of adjustment, psychosocial losses, issues relating to sexuality, personal adjustment training, the role of the family, and the use of effective interaction skills. This course is offered online.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

SPE 733 Methods of Teaching Independent Living Skills to Persons with Blindness or Low Vision

Prerequisite: permission of instructor.

Introduction to methodologies, concepts, and techniques to teach persons with blindness or low vision the skills and knowledge needed to function independently in diverse settings. This course provides learners with instruction and laboratory practice in methodologies for teaching skills for independent living, including areas within the expanded core curriculum. Topics include: concept and motor development, spatial organization and orientation, personal management, home management, medical management, communication, and recreation and leisure.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

SPE 740 Verbal Behavior

Prerequisite: SPE 515 or SPE 616; and SPE 516 or SPE 618; and SPE 625; and SPE 627; or permission of instructor.

This course focuses on Skinner's analysis of language, specifically the major verbal operants (mands, tacts, and intraverbals). Students will learn contemporary methods of assessing and teaching verbal behavior utilizing Skinner's analysis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPE 750 Practicum in Blindness and Low Vision

Prerequisite: SPE 605 and SPE 606 and SPE 607 and SPE 608 and SPE 709 and SPE 711; and permission of instructor.

This course serves as a supervised internship for working with children with blindness or low vision, including those with multiple disabilities and/or linguistic or cultural differences, under a Cooperating Teacher of Children with Visual Impairments and University Supervisor.

Students observe, teach, and participate in professional activities in teaching children with blindness or low vision. Students work with individuals or groups during which they are provided the opportunity to apply principles and methods of teaching children with blindness or low vision, including those with additional disabilities. Students also acquire behavior management, instructional planning, and evaluation strategies. Variable credit hour course. Number of contact hours determined by semester hours of credit. May be repeatable up to 8 credit hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-8			Upon demand

SPE 760 Internship-Orientation and Mobility

Prerequisite: SPE 606 and SPE 608 and SPE 712 and SPE 714 or concurrent enrollment in SPE 714; and admitted to the Special Education/Orientation and Mobility program; and permission of instructor.

This course requires a supervised internship experience in an organization or school that serves individuals with blindness or low vision, during which the opportunity is provided for practical application of principles and methods of instruction in orientation and mobility; including techniques of safe, and independent travel. Completion of 350 hours of supervised fieldwork by a certified orientation and mobility specialist (COMS).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring

SPE 776 Cognitive Behavioral Strategies for Children and Adolescents with Autism

Prerequisite: SPE 515 or SPE 616; SPE 525 or SPE 625, or permission of instructor.

This course will focus on cognitive and behavioral research-based practices for children and adolescents with Autism Spectrum Disorders. Specific focus will be on the social learning deficits in Autism and how the executive functioning and theory of mind are impacted.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SPE 779 Application of Technology in Special Education

Prerequisite: admission to the graduate program in Special Education or Early Childhood Special Education.

This course is designed to provide teachers with an in depth treatment of the research, theory, and application of computers and related technologies in the instruction of children and adults with learning, behavior, sensory, motor and communication disabilities. Students will incorporate the principles of reflective practice as it pertains to the assessment, selection of devices, and evaluation of assistive technologies for individuals with disabilities. The General Learning Outcomes 5, 9, and 10 presented in the Conceptual Framework of the Educator Preparation Provider (EPP) are the over arching tenets which guided the development and ongoing revisions to this course. Students acquire competencies related to the use of assistive devices and emerging technologies through participation in a 60 hour comprehensive field based experience in conjunction with schools and other agencies which serve individuals with disabilities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

SPE 780 Impact of Contemporary Issues and Diversity in Special Education

Prerequisite: permission of instructor.

Analysis of trends, issues, and research in the field of special education will be reviewed and discussed. A comprehensive overview of local, state, and federal legislation and the impact on our public school special educational programs for children with disabilities will be discussed and analyzed. A focus on diversity aspects involved in contemporary issues in special education and disability services will be addressed across all topics. Historical and current litigation involving children with disabilities will be reviewed and discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

SPE 781 Educational Consultation

Prerequisite: admission to the graduate program in Special Education.

Seeks to develop students' skills in collaboration consultation. Emphasis will be placed on the development of innovative service delivery options, personnel training, and development of communication skills. Students will apply theory to practice in a field experience.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

SPE 782 Advanced Diagnosis and Remediation of Students with Mild to Moderate Disabilities

Prerequisite: SPE 310 or SPE 340 or SPE 715; and admission to the graduate program in Special Education or Early Childhood Special Education.

Students will observe and participate in a variety of assessment and multidisciplinary team activities. Development of leadership skills will be stressed through participation in clinical field experiences involving standardized and performance evaluation typically administered to identify students with special needs, analysis and synthesis of assessment data in clinical staffings, analysis of data for on-going progress monitoring, and development of individualized educational programs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall, Spring

SPE 783 Advanced Assessment to Support Individuals with Developmental and Sensory Disabilities

Prerequisite: permission of instructor.

Students will observe and participate in a variety of assessment and multidisciplinary team activities. Development of leadership skills will be stressed through participation in field experiences involving norm referenced and curriculum based evaluation of individuals with various sensory and developmental disabilities. Analysis and synthesis of assessment data in clinical staffings and development of individual educational plans will be required. Students enrolled in this course should have prior knowledge of assessment including administration, scoring, and interpretation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

SPE 784 Advanced Procedures in Teaching Students with Mild to Moderate Disabilities

Prerequisite: SPE 780 and SPE 782 and SPE 792; and SPE 616 or PSY 614.

Recommended Prerequisite: SPE 517 or SPE 617. The primary purpose of the course is to provide students with the knowledge and skills necessary for development and application of curricula appropriate to the needs of individuals with mild to moderate disabilities. Emphasis will be placed on the philosophical basis of curricula as well as principles of curricula design. Students will apply knowledge and skills in 60 hours of required field experiences.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

SPE 785 Advanced Procedures in Development Disabilities

Prerequisite: admission to the graduate program in Special Education; and SPE 783.

The primary purpose of the course is to provide students with the knowledge and skills necessary for development and application of curricula and methods appropriate to the needs of individuals with mental retardation and other developmental disabilities. Emphasis will be placed on the empirical basis of the procedures and on life referenced programming. Students will apply knowledge and skills in field based activities supervised by the instructor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

SPE 787 Advanced Behavioral Analysis and Intervention

Prerequisite: admission to the graduate program in Special Education; and SPE 780 and SPE 782 and SPE 792; and SPE 784 or SPE 785; and SFR 780.

Study of human behavior. The goal of applied behavior analysis is to seek understanding and improvement of human behavior. The goals of this class is to prepare graduate students to be contributing professionals in the area of applied behavior analysis; specifically, to become reflective behaviorists. Students will learn to identify, measure, and record the occurrence and nonoccurrence of behavior. Students will be expected to implement applied behavioral strategies and learn how to evaluate the success of single-subject studies as part of a 60 hour field experience.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SPE 788 Research Seminar in Special Education

Prerequisite: admission to the graduate program in Special Education; and SPE 780; and SPE 782 or SPE 783; and SPE 784 or SPE 785; and SFR 780.

An in-depth study of a chosen topic in special education leading to the guided development and completion of an extensive research paper or major creative work. Graduate students are expected to complete a 60 hour field experience associated with the summer project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SPE 789 Practicum-The Exceptional Child

Prerequisite: permission of instructor.

Student observes, teaches, and/or participates in professional activities in Special Education under the direction of a cooperating supervisor and University supervisor. Students will work with individuals or groups demonstrating effective teaching and behavior management techniques, as well as expertise in instructional planning and evaluation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Summer

SPE 790 Educational Workshop

Workshop to upgrade understandings and skills concerned with the improvement of elementary or secondary teaching procedures, curriculum, supervision, administration or guidance. Each workshop will be concerned with a single topic. Number of class hours determined by length of workshop. May be repeated to a maximum of 5 hours. 30 clock hours equal 1 semester hour.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

SPE 791 Clinical Practicum for Individuals with Autism and Challenging Behavior

Prerequisite: SPE 525 or SPE 625; and SPE 516 or SPE 618; or permission of instructor.

This course will involve supervised clinical settings with individuals with Autism and challenging behaviors. Students will conduct a variety of assessments, including functional behavioral assessments, curriculum-based measurements, and social skills profiles. Students will also develop and/or implement research-based strategies with individuals with Autism. Finally, students will participate in a multidisciplinary assessment model to include families and professionals from a variety of disciplines. Students will be required to prepare written reports of professional quality with results of assessments and research-based recommendations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

SPE 792 Advanced Diagnosis and Remediation of Students with Disabilities Lab

Prerequisite: admission to the graduate program in Special Education or Early Childhood Special Education; and concurrent enrollment with SPE 782 or SPE 783.

Students will conduct standardized and informal assessments in the field as part of a 60 hour practicum/lab experience and develop a comprehensive case history. Emphasis will be placed on development of validated educational programs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Spring

SPE 799 Thesis

Prerequisite: admission to the graduate program in Special Education or Applied Behavior Analysis; and SFR 780 and SPE 780 and SPE 787 and SPE 789; and SPE 782 or SPE 783; and SPE 784 or SPE 785.

Independent research and study connected with preparation of thesis. May be repeated to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Special Education/Cross Categorical

Major(s)

Special Education/Cross Categorical

Bachelor of Science in Education (Certifiable grades K-12)

The curriculum for special education teaching leads to the degree of Bachelor of Science in Education and carries with it an initial professional certificate (IPC) to teach in the state of Missouri. Recipients of this special education certificate may be employed to teach in grades K-12 in Cross Categorical settings and other mild/moderate special education settings.

Admission and Retention Requirements

The Department of Counseling, Leadership, and Special Education reserves the right to refuse enrollment or program continuation to any student for whom the special education faculty feel does not possess the ability to successfully complete the required classes and/or required practica.

All special education undergraduate students and postbaccalaureate students seeking special education certification are expected to display professional behaviors and dispositions consistent with the National Council for Exceptional Children's Code of Ethics for Educators of Persons with Exceptionalities. Periodic structured assessments of professional behaviors and dispositions will be completed on all students during selected classes and will also be completed in additional classes on an as needed basis. If a student does not display the required professional behaviors and dispositions as determined by the special education faculty and the Department Head of Counseling, Leadership, and Special Education, the student may be dismissed from the program or may be prevented from taking additional special education certification classes.

XF Policy

High standards of professional conduct are required for admission to the Bachelor of Science in Education Special Education/Cross Categorical program and all special education programs of study. Prospective students who have been assigned a grade of XF (failure due to academic dishonesty) at Missouri State University (MSU), or the equivalent at another institution of higher education, may be denied admission to the Bachelor of Science in Education Special Education/Cross Categorical program and the affiliated Accelerated Masters degree options, including Accelerated MSED: Special Education/Autism Spectrum Disorders and Accelerated MSED: Early Childhood Special Education. Students who have been assigned a grade of XF at MSU, or the equivalent at another institution of higher education, are required to inform the Department Head of such grade at the time of application, even if the X was subsequently removed. Failure to inform the Department Head of this previous XF or equivalent grade will result in removal from the BSED Special Education/Cross Categorical program. A student assigned a grade of XF while studying toward completion of the BSED Special Education/Cross Categorical program, or the affiliated Accelerated Masters degree programs (i.e., Accelerated MSED: SPE/ASD and Accelerated MSED: ECSE), will be immediately removed from the program(s).

Degree Requirements

In order to meet Missouri state teacher certification requirements, candidates for the Bachelor of Science in Education degree are required to meet the following grade point average requirements. All GPA requirements are a combination of Missouri State and transfer grades.

1. a combined (Missouri State and transfer) GPA of 2.75 or higher
2. a combined (Missouri State and transfer) GPA of 3.00 or higher across all courses listed under B and C; and a grade of "C" or higher in

all courses listed under C.

Additionally, students must earn a composite score of 20 or better on the ACT or earn passing scores on all four sub-tests of the Missouri General Education Assessment (MoGEA) and successfully complete the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education.

All students must be admitted to the Teacher Education Program and have successfully completed Supervised Teaching in order to earn this degree. Refer to Teacher Education Program for application procedures.

Program Requirements

A. General Education Program and Requirements (46-48 hours)
   Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:
   1. Focus on Written Communication and Information Literacy: ENG 110(3)
   2. Focus on Written Communication and Integrative and Applied Learning: ENG 210(3)
   3. Focus on Quantitative Literacy: Completion of general education requirement with a grade of "C" or better. MTH 130(3) recommended.
   4. Focus on Oral Communication: COM 115(3)
   5. Focus on Life Sciences: BIO 100(4)
   6. Focus on Physical Sciences: PHY 101(4)
   7. Focus on Social and Behavioral Sciences: PSY 121(3)
   8. Focus on Constitution of U.S. and Missouri and American History and Institutions: HST 121(3) or HST 122(3); and PLS 101(3)

B. Degree Requirements for Teacher Certification (6 hours):
   1. Mathematics: MTH 320(3)
   2. English: ENG 334(3)

C. Professional Education (78 hours): Note: A grade of "C" or better in each course is required for program approval of coursework toward degree and certification.
   1. Foundations of Teaching: EDC 345(3); PSY 360(3); SPE 310(3), 320(3), 345(4), 346(2), 525(3)
   2. Teaching Methods:EDT 365(3); RDG 318(3), 420(3), 421(2); SPE 450(3), 515(3), 516(3), 517(3), 519(3), 521(3), 550(3), 560(3), 579(3), 584(2)
   3. Field and Clinical Experiences: SPE 322(1), 497(4), 495(9), 496(3)

D. Public Affairs Capstone Experience will be fulfilled by completion of SPE 495(9).

E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification.

F. General Baccalaureate Degree Requirements

Accelerated graduate program in Special Education/Autism Spectrum Disorders

Eligible Missouri State undergraduate students may apply for admission to the Special Education/Autism Spectrum Disorders program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Early Childhood Special Education

Eligible Missouri State undergraduate students may apply for admission to the Early Childhood Special Education program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

International Perspectives in K-12 Special Education Certificate

International Perspectives in K-12 Special Education

This certificate provides coursework to improve or broaden the student's cultural competence and understanding of special education and disability-related instructional practices. Students will receive exposure to international approaches to education for persons with disabilities, and will complete one study away experience with an emphasis on K-12 special education in an international setting. The goal of this certificate will be to broaden the undergraduate student's perspective regarding education in the global society and the implementation of special education programs and services for children and adults with disabilities.

Admission requirements

Completion of at least 30 hours. International students must meet Missouri State University language proficiency standards for TOEFL (69 for undergraduates) or IELTS (5.5 for undergraduates); language requirement may be waived through successful interview with departmental committee.

Completion requirements

Students must take a minimum of 12 hours as designated and approved, and must earn a B or better in all courses applied to the certificate.

Program requirements (12 hours)

A. Select one of the following introductory courses in special education: SPE 310(3) or SPE 340(3)
B. Select one of the following diversity and education or child and family development courses: EDC 345(3) or CFD 305(3)
C. Select one course in International Approaches to K-12 Special Education that incorporates a Study Away experience involving special education: SPE 540 - International Experiences in K-12 Special Education - Study Away (3 hours). For international candidates who seek the certificate through contracted partnerships with Missouri State University, the SPE 540 International Experience will be provided in the Southwest Missouri region.
D. Select one of the following courses in the General Education Focus on Cultural Competence: ANT 100(3), ENG 289(3), GRY 100(3), IDS 297(3), LLT 180(3), MCL 200(3), MTH 121(3), REL 100(3), REL 210(3), SWK 219(3)
E. In the event that completion of required coursework does not result in minimum of 12 hours, such as those students electing to take SPE 340 for 2 hours of credit, students may select related electives as approved by the Special Education Program Coordinator or CLSE Department Head. Recommended electives include, but are not limited to SPE 300(1) or DAS 100(3)
F. All candidates must satisfy the General University Certificate Requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Greenwood Laboratory School

General Information

Greenwood Laboratory School was founded in 1908 to provide a comprehensive education program to students from kindergarten through senior level while also providing University students with opportunities and experiences to develop strong teaching skills. Visit the Greenwood Laboratory School website for more information.

Contact

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Missouri State

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Greenwood Laboratory School Faculty

Associate professor

Janice R. Duncan, PhD

Assistant professors

Vicki L. Dunlop, MSEd

Kathryn M. Gibson, MS

Instructors

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Tamra L. Barnhouse, MSEd

Tara Bonebrake, EdD

Marilyn A. Broaddus, MSEd

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Cheryl K. Johnson, MS

Ruth Ann Johnson, MEd

Ruth C. Peñaherrera-Norton, MEd

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Victoria L. Sutton, EdS

Delmar D. Wipf, MS

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Missouri State

Department of Reading, Foundations, and Technology

Programs

Indicates accelerated graduate program is available

Undergraduate

Middle School Education (BSEd)

Literacy (Minor)

Graduate

Dyslexia (Certificate)

Educational Technology (MSEd)

Educational Technology (Certificate)

Literacy (MSEd)

Literacy (Certificate)

Teacher Leadership (EdS)

Teacher Leadership (Certificate)

Teaching, Master of Arts in (MAT)

Teaching and Learning, Master of Arts in (MATL)

Teaching and Learning (Certificate)

Accreditations

- Missouri Department of Elementary and Secondary Education – Middle School Education (BSEd); Literacy (MSEd); Master of Arts in Teaching (MAT)
- Council for the Accreditation of Educator Preparation – Middle School Education (BSEd); Educational Technology (MSEd); Literacy (MSEd); Master of Arts in Teaching (MAT); Master of Arts in Teaching and Learning (MATL); Teacher Leadership (EdS)

Contact

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Missouri State

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Reading, Foundations, and Technology Faculty

Professors

Ching-Wen Chang, PhD

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Deanne Camp, EdD

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Steven W. Hinch, PhD

Dennis Kear, PhD

Everett R. Payne Jr., MA

Randall R. Wallace, PhD

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Missouri State

Office of the Registrar
Undergraduate Catalog

Reading, Foundations, and Technology Courses

Education (EDC) courses

EDC 150 Introduction to Teaching

Prerequisite: permission from the Director of Secondary Education (Secondary) or Coordinator, Professional Education Advisement (Middle School).

This course reviews the process for obtaining admission to Teacher Education for transfer students, and assists students in uploading documentation and artifacts created at the students' sending academic institutions. The transfer student should have had an introduction to teaching course and have completed a 30 hour field experience (practicum) at the secondary level or middle school level in the student's major area of study. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0	0	0	Fall, Spring

EDC 199 Clinical Experiences in Teaching

Prerequisite: approved application to earn academic credit for two (2) years experience as a Teacher's Aide/Assistant, as permitted by DESE Rule 5 CSR 80-805.040; previous or concurrent enrollment in professional education coursework; and permission of instructor.

Conducted teaching activities by students during aiding/assisting experiences, under the direction of the cooperating teacher and permission of a designated school principal, are verified as comparable to and demonstrating similar competencies of those expected by conventional student teachers. Students also participate in professional development activities, determined to be appropriate by the instructor. This course is credited only on BSEd or appropriate masters-level certification programs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2			Fall, Spring

EDC 249 Schooling in America

Prerequisite: 12 hours.

General Education Course (Focus on Public Issues).

Examines the nature and history of schooling in America, the broad social purposes and goals of education, and the crucial role the institution of schooling has and does play in the United States and Missouri with regard to shifting public policy as well as state and federal laws and mandates. Explores social, legal, and political issues as they play out in schools with regard to diversity, racism, sexism, and the effects of social class.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

EDC 345 Introduction to Multicultural Education and Diversity

Prerequisite: EDC 150 or SEC 302 or CFD 260 or ELE 302 or SPE 310 or KIN 200 or MUS 200 or concurrent enrollment.

An introduction to cultural issues, diversity, and related perspectives in education. Examination of individual differences in ethnicity, race, socioeconomic status, gender, exceptionalities, language, religion, sexual orientation, and geographic area in the context of education and society. Development of skills, knowledge, and dispositions related to teaching and learning in varied settings with diverse learners required of all educators to be effective in a global society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

EDC 350 School and Society

Prerequisite: admitted to Teacher Education Program; PSY 385 or CFD 257 (Elementary Education program); or CFD 160 (Early Childhood Education program); or PSY 360 (Secondary, Middle School, and K-12 programs); or concurrent enrollment.

This class examines the nature and history of schooling in America and the teaching profession, the purposes and goals of education, and educational philosophy. It also explores social, legal, and political issues connected with teaching and learning, diversity, racism, sexism, and the effects of social class on educational success.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

EDC 700 Teaching and Learning I: Current Issues and Trends in Education

Prerequisite: bachelor's degree and certification as a classroom teacher.

This course examines educational issues, questions, concerns, and trends teachers face in their schools and daily practices. The impact of national and state policy-making, directions suggested by emerging educational research, and current educational reform efforts will receive particular attention.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	3	4	Fall

EDC 701 Teaching and Learning II: Diversity, Curriculum and Research

Prerequisite: EDC 700; bachelor's degree and certification as a classroom teacher.

This course engages students with research projects and curriculum ideas designed to strengthen and deepen student learning, with a special emphasis on questions of student diversity. The course helps students to formulate questions and use appropriate research principles to collect, analyze, interpret, and report data in order to evaluate the effectiveness of classroom instruction and educational policies. Students examine different curriculum models and theories and devise instructional practices to meet the needs of all learners.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	3	4	Spring

EDC 702 Teaching and Learning III: Management and Assessment of Learning

Prerequisite: EDC 700 and EDC 701; bachelor's degree and certification as a classroom teacher.

This course examines the reasons for, benefits of, and limitations of the increasing call for effective and comprehensive assessment practices and helps teachers plan for, construct, use, and analyze a variety of assessment practices. This course also examines various models of and approaches to classroom management and discipline and the relation of management practices to effective learning.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	3	4	Fall

EDC 703 Teaching and Learning IV: Curriculum Development

Prerequisite: EDC 700 and EDC 701 and EDC 702; bachelor's degree and certification as a classroom teacher.

This course engages students in a careful examination of the curriculum they teach, from district curriculum goals, national curriculum standards, and course- or grade-level goals. The course encourages reflection about instructional practices in light of curriculum goals.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

EDC 704 Teaching and Learning V: Research Seminar

Prerequisite: EDC 700 and EDC 701 and EDC 702 and EDC 703; bachelor's degree and certification as a classroom teacher.

An in-depth study related to a research topic identified earlier in the program or curricular project begun as part of a learning team, leading to the guided development and completion of an extensive research paper.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

EDC 786 Research Seminar in Education

Prerequisite: SFR 780.

An in-depth study of chosen topic in K-12 education leading to the guided development and completion of an extensive research paper or major creative work.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

EDC 800 Teacher Leadership I: Contemporary Educational Problems

Prerequisite: bachelor's degree and certification as a classroom teacher; master's degree in an education related field.

This blended (online and face-to-face) course examines current educational problems at the macro-social level and how current trends in education ease or exacerbate those problems. These problems include, but are not limited to, the achievement gap, charter schools, socio-economics, homelessness, school funding, race/gender, community-school relationships, the social impact of technology, public school funding, the state of democracy, and so forth.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	3	4	Fall

EDC 801 Teacher Leadership II: Diversity and Curricular Design

Prerequisite: EDC 800; bachelor's degree and certification as a classroom teacher; master's degree in an education related field.

This blended (online and face-to-face) course examines diversity and our shrinking global relationships through the lens of various theoretical perspectives (feminist, critical race theory, queer theory, etc.) as the means to critique current curriculum models and construct more culturally response curriculum for 21st century students. Participants will lead in the creation of curriculum that is responsive to their particular students, has a global perspective, and is mindful of ability differences

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	3	4	Fall

EDC 802 Teacher Leadership III: Building Classroom Climate and Effective Student Assessments

Prerequisite: EDC 800 and EDC 801; bachelor's degree and certification as a classroom teacher; master's degree in an education related field.

This blended (online and face-to-face) course examines various philosophical bases for creating successful classroom communities and reasonable strategies for assessment student growth. This course also examines the myriad ways that classroom community understandings impact why and how students might be assessed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	3	4	Fall

EDC 803 Teacher Leadership IV: Curriculum Theory

Prerequisite: EDC 800 and EDC 801 and EDC 802; bachelor's degree and certification as a classroom teacher; master's degree in an education related field.

This blended (online and face-to-face) course engages students in a critical examination of curriculum theory as the basis for making curricular decisions. The course encourages reflection about curriculum goals in light of contemporary and historically understood curriculum theory.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

Educational Technology (EDT) courses

EDT 365 Educational Applications of Technology and Media

Prerequisite: CFD 260 or ELE 302 or SEC 302 or SPE 310, or concurrent enrollment for teacher education majors.

Principles and techniques for selection and utilization of computer and video as well as other basic forms of media and technology. The class combines research, instructional design, equipment operation and materials production in lecture and laboratory settings to prepare teachers to be reflective decision makers on proper methods of using technology in teaching.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

EDT 520 Technologies in a Contemporary School Setting

Prerequisite: EDT 365; and concurrent enrollment in ELE 500 if Elementary Education major.

Principles and techniques for integrating current and emerging instructional technology in school settings. Emphasis on building technical competence through inquiry-based methods of exploration and implementation of multi-media and other technologies relevant to today's classroom.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

EDT 530 Technology Systems Management and Maintenance

This course will include an introduction to computer and peripheral hardware, microcomputer operating systems and education-related software packages, and the management of computers in a classroom or school setting. The management and maintenance of a system of computers is useful in many educational, instructional, communication and media production settings. Educational technology students should be prepared to troubleshoot and resolve basic technology problems that occur in an educational setting. Therefore, a variety of education-specific topics will be presented in this course. May be taught concurrently with EDT 630. Cannot receive credit for both EDT 530 and EDT 630.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

EDT 560 Digital-Age Learning Environments

This online course covers uses of instructional systems design model to guide the student in systematically developing e-learning instruction. The theory and practice of e-learning environments to maximize learning for all including usability and accessibility concerns are examined. Practical and theoretical means for ascertaining the needs of learners, implementations of specific technologies to meet those needs, and assessment of the effectiveness of the e-learning environment in meeting learners' needs are presented. Students are expected to apply previously learned skills and knowledge including the principles and techniques for integrating current and emerging instructional technology to plan, create, and manage an e-learning project in a real-world context. May be taught concurrently with EDT 660. Cannot receive credit for both EDT 560 and EDT 660.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

EDT 562 Educational Applications of Computers for Teaching

Using microcomputers in educational settings. Includes the investigation of software in desktop publishing, record management and multimedia applications. Special emphasis will be given to selection of appropriate programs for specific classroom utilization as well as computer interfaced peripheral devices. May be taught concurrently with EDT 662. Cannot receive credit for both EDT 562 and EDT 662.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

EDT 563 Technology Administration and Management

Provides technology specialists, technology coordinators, library media specialists, school administrators and educators with a working knowledge of the administrative processes and concerns of operating an educational technology support facility. The primary focus will be toward leadership, strategic planning, and change management and writing technology plans. The content of this course is primarily structured for educational institutions but could be utilized for instructional and training systems in many types of industrial, religious, medical and corporate organizations that teach and train. May be taught concurrently with EDT 640. Cannot receive credit for both EDT 563 and EDT 640.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

EDT 565 Selection and Utilization of Educational Technology

Targets principles of attention, perception, and retention regarding selection and implementation of instructional strategies. Students apply instructional design principles and learning theories to develop professional products; develop and implement evaluation strategies for hypermedia materials; combine electronic and non-electronic media; use telecommunications tools for production purposes; and integrate a variety of instructional technology tools. May be taught concurrently with EDT 665. Cannot receive credit for both EDT 565 and EDT 665.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

EDT 597 Topical Issues in Educational Technology

A variable credit course with amount of credit based on the extent of the work required. Special topics related to the field of Educational Technology which may broaden the scope of the program of study. May be repeated up to a maximum of 6 hours. May be taught concurrently with EDT 690. Cannot receive credit for both EDT 597 and EDT 690.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

EDT 630 Technology Systems Management and Maintenance

This course will include an introduction to computer and peripheral hardware, microcomputer operating systems and education-related software packages, and the management of computers in a classroom or school setting. The management and maintenance of a system of computers is useful in many educational, instructional, communication and media production settings. Educational technology students should be prepared to troubleshoot and resolve basic technology problems that occur in an educational setting. Therefore, a variety of education-specific topics will be presented in this course. May be taught concurrently with EDT 530. Cannot receive credit for both EDT 630 and EDT 530.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

EDT 640 Technology Administration and Management

This course is designed to provide technology specialists, technology coordinators, library media specialists, school administrators and educators with a working knowledge of the administrative processes and concerns of operating an educational technology support facility. The primary focus will be toward leadership, strategic planning, and change management and writing technology plans. The content of this course is primarily structured for educational institutions but could be utilized for instructional and training systems in many types of industrial, religious, medical and corporate organizations that teach and train. May be taught concurrently with EDT 563. Cannot receive credit for both EDT 640 and EDT 563.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

EDT 660 Digital-Age Learning Environments

This online course covers uses of instructional systems design model to guide the student in systematically developing e-learning instruction. The theory and practice of e-learning environments to maximize learning for all including usability and accessibility concerns are examined. Practical and theoretical means for ascertaining the needs of learners, implementations of specific technologies to meet those needs, and assessment of the effectiveness of the e-learning environment in meeting learners' needs are presented. Students are expected to apply previously learned skills and knowledge including the principles and techniques for integrating current and emerging instructional technology to plan, create, and manage an e-learning project in a real-world context. May be taught concurrently with EDT 560. Cannot receive credit for both EDT 660 and EDT 560.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

EDT 662 Educational Applications of Computers for Teaching

Using microcomputers in educational settings. Includes the investigation of software in desktop publishing, record management and multimedia applications. Special emphasis will be given to selection of appropriate programs for specific classroom utilization as well as computer interfaced peripheral devices. May be taught concurrently with EDT 562. Cannot receive credit for both EDT 662 and EDT 562.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

EDT 665 Selection and Utilization of Educational Technology

Targets principles of attention, perception, and retention regarding selection and implementation of instructional strategies. Students apply instructional design principles and learning theories to develop professional products; develop and implement evaluation strategies for hypermedia materials; combine electronic and non-electronic media; use telecommunications tools for production purposes; and integrate a variety of instructional technology tools. May be taught concurrently with EDT 565. Cannot receive credit for both EDT 665 and EDT 565.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

EDT 690 Topical Issues in Educational Technology

A variable credit course with amount of credit based on the extent of the work required. Special topics related to the field of Educational Technology which may broaden the scope of the program of study. May be repeated up to a maximum of 6 hours. May be taught concurrently with EDT 597. Cannot receive credit for both EDT 690 and EDT 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

EDT 696 Continuing Education in Educational Technology

Special topics related to Educational Technology for continuing professional development. A variable credit course with amount of credit based on the extent of work required. May be repeated to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

EDT 763 Administration of Educational Technology

Emphasis is placed on management skills including budgeting; facility design; policies and procedures; selection and utilization; evaluation; assessment and other topics related to coordinating an educational technology program at a building, district, institutional or organizational level.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

EDT 764 Instructional Design

Emphasis on the analysis and development of instruction for large group, small group, and individual student instruction. The utilization of systems approaches and packaged instructional forms will be stressed. The course will integrate systems approaches with learning theory involving educational technology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

EDT 765 Educational Media Production

Principles and techniques of designing and producing advanced forms of media software materials in video, audio, and photography formats with emphasis on multi-media that includes computer generated graphics interfaced with video and audio editing as well as more basic production techniques.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Summer

EDT 767 Educational Technology Practicum

This is a field-experience based course that requires the student to spend a minimum of 20 clock hours in a working environment where educational media technology services and programs are used or developed. The practicum may include: school media services: university programs, development centers in industry, government or medical programs, educational TV studios, computer facilities or other media production venues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Upon demand

EDT 770 Fundamentals of Computer Networking, Cloud Based Technology, and Internet Safety

This introductory graduate course will provide a foundational understanding of networking, cloud based storage, and internet safety. Learners in this course will gain an understanding of office and business networking, using the cloud for storage and safety, and types of internet attacks that they may face. Students will learn how to evaluate the needs of their organization and come to terms with the vulnerabilities or breaches they could face when implementing new technologies and explore ways to protect their organizations online.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

EDT 777 Problems in Educational Technology

Research in or in-depth examination of issues and problems in the field of Educational Technology. May be repeated up to a maximum of 3 hours when topic varies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

EDT 797 Educational Technology Special Research Project

Prerequisite: SFR 780.

An extensive multimedia production project which results in a functional product with extensive written documentation to support its use as a research or instructional tool which could provide results for extended research and publication.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

EDT 798 Research Seminar in Educational Technology

Prerequisite: SFR 780.

An extensive research paper focused on the field of instructional Design and Technology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

EDT 799 Educational Technology Thesis

Prerequisite: SFR 780.

Independent research and study connected with preparation of a thesis in the field of Educational Technology. The paper will consist of original or creative research accountable to committee review and defense. May be repeated for a maximum of 6 hours credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-6			Upon demand

Middle School Education (MID) courses

MID 400 Philosophy, Curriculum, and Organization of Middle School Education

Prerequisite: "C" or better in SEC 302.

An overview of middle level education philosophy, curriculum planning and development, instruction, and organization. Emphasis is on cognitive, behavioral, and affective needs of middle level students, and on the development of interdisciplinary thematic units. Course can be taken concurrently with EDC 150.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MID 421 Philosophy and Organization of Middle School Education

Prerequisite: admitted to Teacher Education Program.

An overview of the philosophy, organization and curriculum of the middle school with emphasis upon teaching methods appropriate for use with students in late childhood and early adolescence. Strategies for advisory, study skills, and transition programs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

MID 425 Middle School Curriculum

Prerequisite: MID 400; and admitted to Teacher Education Program.

Foundations in the development and articulation of middle school curriculum with emphasis placed upon the implementation of developmentally and culturally responsive practices relevant to the young adolescent learner. Integrated approaches to teaching and learning designed, implemented, and evaluated as part of a teaching team to include the exploration of assessment and differentiated instruction in the middle level classroom will be examined. The course requires a 30 hour practicum.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

MID 439 Middle School Instructional Strategies

Prerequisite: MID 400 and MID 425; and admitted to Teacher Education Program.

This course will provide opportunities for supervised, direct involvement in the public school setting at the middle level. Preservice teachers will learn and implement instructional strategies used to provide effective instruction for the middle level learner. Includes 60 hours of practicum experience in which a lesson will be taught in the preservice teachers' content area and a formal observation will be conducted by university faculty/staff at local/area middle schools.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

MID 493 Supervised Teaching (Middle School)

Prerequisite: MID 400 or MID 425; and MID 439 and RDG 318 and RDG 474; and all method courses in chosen content areas; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in MID 494.

Student observes then teaches under the direction of the cooperating teacher and university supervisor. Student participates in extra-curricular, co-curricular, and exploratory activities and attends both individual and group conferences. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA or in the subject matter emphasis area. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

MID 494 Supervised Teaching (Middle School)

MID 494 Supervised Teaching (Middle School)

Prerequisite: concurrent enrollment in MID 493.

Student observes then teaches under the direction of the cooperating teacher and university supervisor. Student participates in extra-curricular, co-curricular, and exploratory activities and attends both individual and group conferences. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA or in the subject matter emphasis area. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

MID 499 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

MID 725 Advanced Theory and Practice in the Teaching of Early Adolescents

Materials, methods, and procedures for designing developmentally appropriate learning experiences for early adolescents; current trends and issues in the field.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MID 810 The Middle School-The Junior High School

An examination of educational programs most appropriate for students in late childhood and early adolescence with emphasis upon the philosophy, curriculum, instruction, and organization of middle schools and junior high schools.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

Reading (RDG) courses

RDG 107 Critical Reading and Study Skills in Academic Texts

Introduction to college reading designed to help students acquire and improve critical reading comprehension skills of academic texts necessary for college-level coursework. Provides intensive reading instruction in comprehension, vocabulary development, reading rate, reading efficiency techniques, and reading study strategies. Cannot be used to satisfy any General Education Program requirement or any major or minor requirement. Cannot receive credit for both RDG 107 and IDS 118.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

RDG 300 Service Learning in Literacy

Prerequisite: 30 hours and concurrent registration in a RDG course designated as a service learning offering and admitted to Teacher Education Program.

This service component for an existing course incorporates community service with classroom instruction in literacy to provide an integrated learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. Cannot be substituted for RDG 421 or any other required practicum. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

RDG 318 Foundations of Literacy Instruction

Prerequisite: 30 hours.

An initial course in literacy foundations and methods from emergent literacy through middle school/junior high school. Examines various approaches of current literacy instruction and practices, including the basic components of literacy and applications to content areas. Creates a literate environment that fosters reading and writing by integrating foundational knowledge. Emphasizes contemporary classrooms, which are assumed to contain children of diverse cultures and abilities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

RDG 319 Practicum-Foundations of Literacy Instruction

Prerequisite: admitted to Teacher Education Program and current professional liability insurance.

Practical application of developmental, functional, and recreational literacy instructional practices from emergent literacy through middle school/junior high school by the assignment of students to practicum centers where they will be required to observe, prepare, teach, and analyze literacy lessons. Students must obtain a Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI fingerprinting background check.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

RDG 420 Methods of Assessing and Personalizing Reading and Writing

Prerequisite: RDG 318; and concurrent enrollment in RDG 421.

A practical approach to personalizing elementary literacy instruction, which includes assessing the needs and reading/writing progress of children and selecting appropriate materials and procedures for the contemporary classroom, which is assumed to contain children of diverse cultures and learning abilities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

RDG 421 Practicum-Methods of Assessing and Personalizing Reading and Writing

Prerequisite: RDG 318; and concurrent enrollment in RDG 420.

Practicum application of techniques in personalizing elementary literacy instruction, by the assignment of students to practicum placements where they will be required to assess the reading and writing progress of children and select appropriate materials and applicable instructional methods for the contemporary classroom, which is assumed to contain children of diverse cultures and learning abilities. Twenty clock hour practicum in school setting is required; students must have valid clearance documents on file.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall, Spring, Summer

RDG 422 Techniques of Teaching Literacy in the Content Fields

Prerequisite: RDG 318 and admitted to Teacher Education Program.

Assess literacy levels and select appropriate materials in various content fields. Techniques of teaching reading and writing in content areas, with emphasis on functional and study skills in these materials. Application will be made to the contemporary classroom, which is assumed to contain children of diverse cultures and learning abilities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

RDG 474 Reading and Writing in the Content Fields

Prerequisite: admitted to Teacher Education Program.

Methods and strategies for using reading and writing as tools for learning in regular middle and secondary school classrooms in which there exists a wide range of literacy achievement. Includes awareness of reading and writing approaches and problems; study skills, literacy evaluation and measurement; vocabulary and comprehension development; selection of materials appropriate for each student; and community-based experiences for practical implementation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

RDG 480 Problems in Literacy Education

The student, in consultation with advisor or instructor, selects a topic in literacy for in-depth, independent study. Number of hours of involvement determined by semester hours of credit. May be repeated to a total of 5 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

RDG 540 Analysis and Correction of Difficulties in Literacy

Prerequisite: RDG 318 or both RDG 420 and RDG 421, or equivalent.

Techniques of analysis and correction of difficulties in literacy for elementary, secondary, special education and reading/literacy teachers. Trends in dealing with diagnostic procedures, instructional techniques, special materials, and assessment. Students concentrate study within their level of training. Students must obtain a Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI fingerprinting background check. May be taught concurrently with RDG 640. Cannot receive credit for both RDG 540 and RDG 640.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

RDG 556 Topical Issues in Literacy

Prerequisite: permission may be required (see class schedule).

To develop understanding and skills in relevant areas of literacy education. Credit hours may vary depending on topic. Variable content course. May be repeated to a total of 5 hours when topics change. A maximum of 3 hours may be used toward degree. May be taught concurrently with RDG 656. Cannot receive credit for both RDG 656 and RDG 556 on same topic.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

RDG 560 Diversity Issues in Literacy and Content Area Instruction

Designed for preservice and practicing elementary, middle, and high school teachers working on undergraduate degrees in Elementary Education or Secondary Education; as well as graduate degrees in Literacy, Elementary Education, MAT, or other MS or MSED graduate degrees. Students will expand their knowledge of racial, cultural, ethnic, linguistics, and socio-economics diversity; and learn strategies to implement diversity issues into their literacy instruction and/or content area lessons. Students will be introduced to different aspects of diversity through a wide variety of course readings, multicultural literature, videos, guest speakers, multicultural interview, and community field trips. May be taught concurrently with RDG 660. Cannot receive credit for both RDG 660 and RDG 560.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

RDG 565 Cultural Diversity in Literacy and Instruction: Classrooms and Community

Designed for preservice and practicing middle and high school teachers working on undergraduate degrees in Elementary, Middle School, or Secondary Education. Students will expand their knowledge of ethnicity, race, socio-economics status, gender, exceptionalities, language, religion, sexual orientation, and geographic areas in the context of classrooms, schools, and community; and learn strategies to implement diversity into their literacy instruction and/or content area lessons. Students will be introduced to different aspects of domestic and global diversity through a wide variety of course readings, culturally diverse literature, instructional videos, documentaries, webcasts, and intercultural interviews. May be taught concurrently with RDG 665. Cannot receive credit for both RDG 565 and RDG 665.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

RDG 573 Psychology of Literacy

Practical contemporary learning theories and principles that are basic to acquiring literacy. Focus on evidence-based research supporting learner-centered classrooms and issues of cognitive and metacognitive development, the affective and motivational dimensions of instruction, the developmental and social aspects of learning, and individual differences in learning associated with cultural and social backgrounds. May be taught concurrently with RDG 673. Cannot receive credit for both RDG 573 and RDG 673.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

RDG 574 Analysis and Correction of Difficulties in Adolescent Literacy

Prerequisite: RDG 474 or concurrent enrollment, or equivalent.

Techniques of analysis and correction of difficulties in literacy for middle school and secondary teachers whose students struggle with literacy skills, such as reading and writing in content areas. Trends in dealing with diagnostic procedures, instructional techniques, special materials, evaluative devices, instructional interventions for students with reading deficits, and community-based experiences for practical implementation. Students concentrate study within their discipline and level of certification. May be taught concurrently with RDG 624. Cannot receive credit for both RDG 574 and RDG 624.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

RDG 580 Successful Classroom Communities to Enhance Student Learning

Integration of areas supporting student learning including productive interactions with families. Concentrated modules on literacy learning of regular education students, struggling readers, and exceptional students. Basic principles in effective communication with parents and other professionals to reinforce appropriate classroom learning. Cannot be substituted for any course required for Special Education degrees or certificates. May be taught concurrently with RDG 680. Cannot receive credit for both RDG 680 and RDG 580.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

RDG 585 Techniques of Responsive Support in the Literacy Classroom

Techniques to support positive, active learning through appropriate response to intervention plans within the literacy classroom. Study of alternative and appropriate behaviors to meet students' needs in acceptable ways through modeling, guided practice, and cueing within a supportive environment, which includes teachers, parents, and other stakeholders in students' learning. Cannot be substituted for SPE 515, 615, 616, or any course required for a Special Education degree or certificate. May be taught concurrently with RDG 685. Cannot receive credit for both RDG 585 and RDG 685.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

RDG 599 Literacy Projects

This course is designed to provide students an opportunity to informally assess and tutor adults or children exhibiting literacy difficulties. Students are expected to have an increased awareness and understanding pertaining to literacy and to recognize the importance of improving the educational process of adults and children. Number of class hours determined by semester hours of credit. Cannot be substituted for any required reading/literacy course. May be repeated to a total of 3 hours. May be taught concurrently with RDG 600. Cannot receive credit for both RDG 600 and RDG 599.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

RDG 600 Literacy Projects

This course is designed to provide students an opportunity to informally assess and tutor adults or children exhibiting literacy difficulties. Students are expected to have an increased awareness and understanding pertaining to literacy and to recognize the importance of improving the educational process of adults and children. Number of class hours determined by semester hours of credit. Cannot be substituted for any required reading/literacy course. May be repeated to a total of 3 hours. May be taught concurrently with RDG 599. Cannot receive credit for both RDG 599 and RDG 600.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

RDG 624 Analysis and Correction of Difficulties in Adolescent Literacy

Prerequisite: RDG 474 or concurrent enrollment, or equivalent.

Techniques of analysis and correction of difficulties in literacy for middle school and secondary teachers whose students struggle with literacy skills, such as reading and writing in content areas. Trends in dealing with diagnostic procedures, instructional techniques, special materials, evaluative devices, instructional interventions for students with reading deficits, and community-based experiences for practical implementation. Students concentrate study within their discipline and level of certification. May be taught concurrently with RDG 574. Cannot receive credit for both RDG 574 and RDG 624.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	3 **Lecture contact hours**	0 **Lab contact hours**	Fall, Spring **Typically offered**

RDG 631 Introduction to Dyslexia: Literacy Development, Language, and the Brain

Prerequisite: admission to the graduate certificate in Dyslexia program.

This course will begin with an overview of dyslexia. Historical issues, relevant laws and policies, as well as current legislation will be discussed. Students will learn common characteristics and possible identifiers of children with dyslexia and related language difficulties. Common misconceptions and myths related to dyslexia will also be addressed. Foundations of literacy development and an in-depth study of language processing, including orthographic, phonological, semantic, syntactic, and discourse, will be included. This course also addresses the neurobiological aspect of dyslexia, including the role of attention, executive functioning, memory, and processing speed in reading and writing development.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

RDG 632 Assessment Procedures for Students with Dyslexia

Prerequisite: permission from graduate Literacy Program Coordinator.

This course focuses on assessment procedures and techniques for working with exceptional children, with a strong emphasis on determining whether or not children display characteristics of dyslexia. The course will address differences among screening, diagnostic, outcome, and progress-monitoring assessments, and when it would be most appropriate to use each type of assessment. Students enrolled in the course will also learn how to use assessment results to plan interventions and guide instruction for children with dyslexia or other learning difficulties.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

RDG 633 Interventions for Students with Dyslexia

Prerequisite: permission from graduate Literacy Program Coordinator.

This course provides students with information on research-based strategies and interventions for use with children identified as dyslexic. Students will learn effective ways to support children who experience difficulties in various aspects of literacy development. The course focuses on explicit instruction and interventions using a multisensory approach. Students will learn how to provide instruction in all areas of literacy, including phonemic awareness, phonics, fluency, vocabulary, comprehension, spelling, and writing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

RDG 634 Dyslexia Practicum: Assessments and Interventions

Prerequisite: permission from graduate Literacy Program Coordinator.

This practicum course allows students to work in a one-on-one setting with a child identified as dyslexic or one displaying characteristics of dyslexia. The course allows students to integrate theoretical and practical knowledge gained from previous courses to administer

assessments and plan appropriate interventions. Students will submit assessment results, lesson plans, progress monitoring data, in addition to videoed lessons.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

RDG 640 Analysis and Correction of Difficulties in Literacy

Prerequisite: RDG 318 or both RDG 420 and RDG 421, or equivalent.

Techniques of analysis and correction of difficulties in literacy for elementary, secondary, special education and reading/literacy teachers. Trends in dealing with diagnostic procedures, instructional techniques, special materials, and assessment. Students concentrate study within their level of training. May be taught concurrently with RDG 540. Cannot receive credit for both RDG 640 and RDG 540.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

RDG 656 Topical Issues in Literacy

Prerequisite: permission may be required (see class schedule).

To develop understanding and skills in relevant areas of literacy education. Credit hours may vary depending on topic. Variable content course. May be repeated to a total of 5 hours when topics change. A maximum of 3 hours may be used toward degree. May be taught concurrently with RDG 556. Cannot receive credit for both RDG 556 and RDG 656 on same topic.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

RDG 660 Diversity Issues in Literacy and Content Area Instruction

Designed for preservice and practicing elementary, middle, and high school teachers working on undergraduate degrees in Elementary Education or Secondary Education; as well as graduate degrees in Literacy, Elementary Education, MAT, or other MS or MSED graduate degrees. Students will expand their knowledge of racial, cultural, ethnic, linguistics, and socio-economics diversity; and learn strategics to implement diversity issues into their literacy instruction and/or content area lessons. Students will be introduced to different aspects of diversity through a wide variety of course readings, multicultural literature, videos, guest speakers, multicultural interview, and community field trips. May be taught concurrently with RDG 560. Cannot receive credit for both RDG 560 and RDG 660.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

RDG 665 Cultural Diversity in Literacy and Instruction: Classrooms and Community

Designed for preservice and practicing middle and high school teachers working on graduate degrees in Literacy, Educational Technology, Master of Arts in Teaching, Master of Arts in Teaching and Learning, Elementary Education, or other MS, MA or MSEd graduate degrees.

Students will expand their knowledge of ethnicity, race, socio-economics status, gender, exceptionalities, language, religion, sexual

orientation, and geographic areas in the context of classrooms, schools, and community; and learn strategies to implement diversity into their literacy instruction and/or content area lessons. Students will be introduced to different aspects of domestic and global diversity through a wide variety of course readings, culturally diverse literature, instructional videos, documentaries, webcasts, and intercultural interviews. May be taught concurrently with RDG 565. Cannot receive credit for both RDG 665 and RDG 565.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

RDG 673 Psychology of Literacy

Practical contemporary learning theories and principles that are basic to acquiring literacy. Focus on evidence-based research supporting learner-centered classrooms and issues of cognitive and metacognitive development, the affective and motivational dimensions of instruction, the developmental and social aspects of learning, and individual differences in learning associated with cultural and social backgrounds. May be taught concurrently with RDG 573. Cannot receive credit for both RDG 673 and RDG 573.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

RDG 680 Successful Classroom Communities to Enhance Student Learning

Integration of areas supporting student learning including productive interactions with families. Concentrated modules on literacy learning of regular education students, struggling readers, and exceptional students. Basic principles in effective communication with parents and other professionals to reinforce appropriate classroom learning. Cannot be substituted for any course required for Special Education degrees or certificates. May be taught concurrently with RDG 580. Cannot receive credit for both RDG 680 and RDG 580.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

RDG 685 Techniques of Responsive Support in the Literacy Classroom

Techniques to support positive, active learning through appropriate response to intervention plans within the literacy classroom. Study of alternative and appropriate behaviors to meet students' needs in acceptable ways through modeling, guided practice, and cueing within a supportive environment, which includes teachers, parents, and other stakeholders in student's learning. Cannot be substituted for SPE 515, 615, 616, or any course required for a SPE degree or certificate. May be taught concurrently with RDG 585. Cannot receive credit for both RDG 585 and 685.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

RDG 700 Relationship of Language to Literacy and Intellectual Development

Utilizing elements of language and intellectual development which provide the basis for the development of appropriate literacy skills

Utilizing elements of language and intellectual development which provide the basis for the development of appropriate literacy skills. Helping teachers gain skill in using teaching strategies which help children develop language and intellectual competencies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

RDG 710 Content Area Literacy

Teaching subject matter in content areas in ways for utilizing and further developing fundamental literacy; effective reading and writing skills, vocabulary development in specific areas, study skills, utilization of cognitive processes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

RDG 720 Use of Multi-Media Resources in Literacy

Criteria, methods and tools for selection and effective utilization of both print and nonprint material, enhancing and encouraging competency in literacy; production of materials utilizing various media. Students concentrate study within their level of training (elementary or secondary.)

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

RDG 730 Assessment and Instruction of Less Skilled Readers and Writers

Prerequisite: RDG 318; or both RDG 420 and RDG 421, or equivalent.

Supervised small group practice in a clinical setting assessing and instructing students who are experiencing difficulty learning to read and write. Planned with and directed by a graduate faculty member. Less intensive and more generalized clinical experience for those not intending to pursue Special Reading Teacher certification. Cannot be substituted for any course required for special reading certification (RDG 540/640, 780, 781, or 782). Students in Literacy program must enroll for 6 hours, others may enroll for 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-6			Upon demand

RDG 740 Issues and Trends in Literacy Education

Provides intensive study of significant issues and trends in literacy education. Emphasis on locating and analyzing current issues and trends and encouraging teachers and administrators to apply the information to research-based best practices in the classroom.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

RDG 770 Curriculum Design in Literacy

This course examines the theories and research on literacy from comprehension to implications for instructional practice. Candidates will gain knowledge and share with classmates influences on the teaching of literacy, which may include practices from historical to contemporary times. Research and read literature to prepare for establishing a total school literacy curriculum.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

RDG 780 Assessment Procedures for the Literacy Specialist

Prerequisite: RDG 640.

Designed especially for the special reading teacher or literacy coach who needs an advanced course for special reading teacher certification. Psycho-educational testing techniques, multisensory teaching techniques, report writing, resource personnel, and clinic operations will form the basis for this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

RDG 781 Assessment of Literacy Problems

Prerequisite: RDG 780; and concurrent enrollment in RDG 782.

Supervised individual practice diagnosing literacy problems. Students work with elementary, secondary, or adult learners. Includes 4 hours of practicum.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring, Summer

RDG 782 Remediation of Literacy Problems

Prerequisite: RDG 780; and concurrent enrollment in RDG 781.

Supervised individual practice with remedial procedures for literacy problems. Students work with elementary, secondary, or adult learners. Includes 4 hours of practicum.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring, Summer

RDG 791 Problems in Literacy Education

In consultation with the advisor, major issues in the field of literacy education are selected for investigation through independent study. Number of hours of involvement determined by semester hours of credit. May be repeated to a total of 3 hours.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

1-3			Upon demand

RDG 795 Research Seminar in Literacy

Prerequisite: SFR 780.

An in-depth study of a topic in literacy, leading to the guided development and completion of an extensive research paper.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

RDG 799 Thesis

Prerequisite: SFR 780.

Independent research and study connected with preparation of thesis. May be repeated to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

Secondary Education (SEC) courses

SEC 300 Clinical and Field Experiences in Secondary Education

Prerequisite: SFR 250 and an initial Missouri State Board of Education entry examination must be taken and concurrent enrollment in SEC 301.

Students enrolled attend a weekly clinical and/or discussion session on campus and participate in field experiences at the Greenwood Laboratory School and/or area secondary schools. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Upon demand

SEC 301 Introduction to Teaching in the Secondary School

Prerequisite: SFR 250 and an initial Missouri State Board of Education entry examination must be taken and concurrent enrollment in SEC 300.

Principles and objectives of secondary education; methods of meeting the diverse educational needs of today's secondary students; techniques of teaching; unit construction and daily planning. Required first portfolio checkpoint will occur in this course. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SEC 302 General Methods of Instruction in the Middle and Secondary Schools

Prerequisite: 30 hours and 2.50 combined GPA.

Principles and objectives of secondary education; methods of meeting the diverse educational needs of today's middle and secondary students; techniques of teaching; unit construction and daily planning. Students participate in a 30 hour field experience at the Greenwood Laboratory School and/or area middle or secondary schools. A grade of C or better is required in this course in order to enroll in supervised teaching. Required first transition checkpoint will occur in this course. This course is a combination of previously offered SEC 300/301 and students cannot receive credit for both SEC 300/301 and SEC 302. All sections of the Missouri State Board of Education entry examination must be passed to proceed beyond this point in the Professional Education Program. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

SEC 493 Supervised Teaching (Secondary)

Prerequisite: completion of all method courses in chosen content area; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in SEC 494.

Student observes, then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5-6			Fall, Spring

SEC 494 Supervised Teaching (Secondary)

Prerequisite: concurrent enrollment in SEC 493.

Student observes, then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5-6			Fall, Spring

SEC 495 Theory into Practice: Applications Workshop

Prerequisite: completion of all method courses in chosen content area; a grade of C or better in all professional education courses; approval for student teaching; and concurrent enrollment in SEC 493 or other supervised teaching course.

Students enroll in workshops, offered during the student teaching semester, that help student teachers with particularly important and difficult tasks involving such things as how to work with diverse student populations, how to apply effective reading strategies, and how to manage students in the classroom. Additional aspects of teaching unique to particular subject matter areas will also be explored.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

SEC 499 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

SEC 522 Philosophy of Vocational Education

Philosophical foundations of vocational education; philosophies of vocational education in contemporary school. Identical with AGV 522. May be repeated to a total of 3 hours. May be taught concurrently with SEC 622. Cannot receive credit for both SEC 622 and SEC 522.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SEC 526 Coordination of Cooperative Education

Problems and procedures in organizing and operating part-time cooperative and evening occupation programs. Restricted to those who can qualify as coordinators. Identical with AGV 526. May be repeated to a total of 2 hours. May be taught concurrently with SEC 626. Cannot receive credit for both SEC 626 and SEC 526.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

SEC 527 Teaching Adults in Vocational Education

Rise of the adult education movement; learning abilities, educational interests and vocational needs of adults; problems and procedures in organizing and operating adult education programs; relationship of adult education to public school education. Identical with AGV 527 and AGE 508. Cannot receive credit for SEC 527 and AGV 527 and AGE 508. May be taught concurrently with SEC 627. Cannot receive credit for both SEC 627 and SEC 527.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SEC 528 Measurement and Evaluation of Vocational Education Programs

Assessing specific program needs as determined from occupational surveys and other demographic data; follow-up techniques to evaluate the overall effectiveness of the program on manpower needs in a given labor market area. Identical with AGV 528. May be repeated to a total of 3 hours. May be taught concurrently with SEC 628. Cannot receive credit for both SEC 628 and SEC 528.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SEC 622 Philosophy of Vocational Education

Philosophical foundations of vocational education; philosophies of vocational education in contemporary school. Identical with AGV 622. May be repeated to a total of 3 hours. May be taught concurrently with SEC 522. Cannot receive credit for both SEC 522 and SEC 622.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SEC 626 Coordination of Cooperative Education

Problems and procedures in organizing and operating part-time cooperative and evening occupation programs. Restricted to those who can qualify as coordinators. Identical with AGV 626. May be repeated to a total of 2 hours. May be taught concurrently with SEC 526. Cannot receive credit for both SEC 526 and SEC 626.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

SEC 627 Teaching Adults in Vocational Education

Rise of the adult education movement; learning abilities, educational interests and vocational needs of adults; problems and procedures in organizing and operating adult education programs; relationship of adult education to public school education. Identical with AGV 627 and AGE 608. Cannot receive credit for SEC 627 and AGV 627 and AGE 608. May be taught concurrently with SEC 527. Cannot receive credit for both SEC 527 and SEC 627.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SEC 628 Measurement and Evaluation of Vocational Education Programs

Assessing specific program needs as determined from occupational surveys and other demographic data; follow-up techniques to evaluate the overall effectiveness of the program on manpower needs in a given labor market area. Identical with AGV 628. May be repeated to a total of 3 hours. May be taught concurrently with SEC 528. Cannot receive credit for both SEC 528 and SEC 628.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SEC 701 Secondary School Curriculum

Foundation course in the development and organization of the secondary school curriculum.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SEC 703 Seminar in Current Trends in Teaching English

Prerequisite: ENG 405.

For experienced teachers of English in grades 9-12; research and recent developments in teaching literature and composition.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SEC 704 Seminar in Current Trends in Teaching Social Studies

Prerequisite: HST 418.

For experienced teachers of social studies in grades 9-12; research and recent developments in teaching various areas of social studies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SEC 705 Curriculum Construction in Business Education

Objectives and interrelationships of business education courses and programs. Development of curricular materials and evaluative devices. May be repeated to a total of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SEC 706 Seminar in Current Trends in Teaching Business Education

For experienced teachers of business education in grades 9-12; research and recent developments in teaching business education.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SEC 707 Seminar in Current Trends in Teaching Mathematics

Prerequisite: MTH 409.

For experienced teachers of mathematics in grades 9-12; research in recent trends and developments in teaching mathematics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

SEC 708 Seminar in Current Trends in the Teaching of Biology

Prerequisite: SCI 414.

Methods of teaching biology; emphasizing modern techniques and developments in both the biological science curriculum and instructional procedures relating to that curriculum.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SEC 783 Internship in Teaching I

Prerequisite: SFR 797; complete appropriate background check and obtain current professional liability insurance.

A site-based clinical experience. Students will observe the operations of a school, serve as teacher aides and administrative aides in the school; and work closely with school and community service organizations. Students will also complete an on-going seminar through online or literature based delivery systems. Students will implement an initial Teacher Work Sample in a classroom under the supervision of a cooperating teacher.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall

SEC 784 Internship in Teaching II

Prerequisite: SEC 783; and acceptance into the Master of Arts in Teaching degree program.

The candidate must have successfully completed the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education, obtained current pre-professional liability insurance, completed the appropriate background check and be approved for

of Education, obtained current pre-professional liability insurance, completed the appropriate background check and be approved for supervised teaching. A semester-based supervised teaching experience. Students teach full time, under the supervision of a cooperating

teacher and a University supervisor. Students also attend an ongoing seminar and design and implement a Teacher Work Sample required for graduation. The candidate's professional portfolio should be completed during this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
10	2	16	Spring

SEC 785 Internship in Teaching III

Prerequisite: SEC 783 and SEC 784.

Students will complete a professional preparation portfolio. The professional portfolio will be evaluated by instructors in order to determine how well the candidate demonstrated understanding of DESE content standards and MoSPE standards.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

Secondary Education, Foundations and Educational Research (SFR) courses

SFR 250 Foundations of American Education

Prerequisite: completion of 30 semester hours.

This course introduces education majors to the departments. Knowledge Base with its emphasis on teachers as reflective decision-makers. It examines both the nature and history of the teaching profession, K-12 school orientation, and educational theories. It also explores sociocultural, political, and legal issues in American education.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SFR 305 Field Experiences in Education

Student attends scheduled discussion sessions on campus and participates in field experiences at Greenwood Laboratory School and/or area schools. Designed for transfer students who have partially completed the field experiences requirement and students working on a certification which requires a second field experience. 1(0-2) or

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

SFR 351 Philosophical Problems of Education

Prerequisite: admitted to Teacher Education Program.

Introduction to educational problems involving language, logic, ethics, theory of knowledge, and theory of action, as they apply to school

Introduction to educational problems involving language, logic, ethics, theory of knowledge, and theory of action, as they apply to school problems of pedagogy, curriculum, and policy. Contemporary and historical treatments of the problems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 353 History of Educational Thought

Prerequisite: admitted to Teacher Education Program.

The history of major educational ideas and their relationships to contemporary educational theories and practices.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 354 Social and Philosophical Foundations of American Education

Prerequisite: admitted to Teacher Education Program.

The roles and functions of the school in the social and philosophical context of American culture. Attention to cultural diversity and its effects upon the school and the learner.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 396 Student Assessment and Evaluation

Prerequisite: admitted to Teacher Education Program.

Planning, constructing, using, and analyzing a variety of assessment practices to enable preservice teachers to make reflective decisions in the classroom.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 399 Problems in Education

Independent research conducted on topics relevant to the field of education. The student and instructor mutually agree upon the direction and extent of the project. Credited only on the BSEd degree. May be repeated to a maximum of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SFR 442 Techniques of Classroom Management

Prerequisite: admitted to Teacher Education Program.

Emphasis on prevention of behavior problems. The study of theoretical approaches to handling disruptive behavior in the classroom. Application of theory to simulated classroom situations. Includes assistance in teaching students with handicaps and/or from different cultural backgrounds.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 444 Approaches to Individualizing Education

Prerequisite: admitted to Teacher Education Program.

Analyzing the academic interest, levels, and learning styles of the student. Methods of developing individual programs, self-instructional packages, and learning aids. Introduction to prepared materials and other technology to enable the teacher to individualize instruction.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 482 Teacher Relationships with the School of Society

Prerequisite: admitted to Teacher Education Program.

Professional responsibilities and roles of the teacher in relationships with students, staff, and community; job procurement and interview skills, teaching as a career and profession.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 486 Management and Assessment in the Middle and Secondary Classroom

Prerequisite: admission to Teacher Education Program and PSY 360, or equivalent competencies.

Planning, constructing, using, and analyzing a variety of assessment practices and understanding uses of standardized testing in education. Covers adolescent social behavior, management theory and strategies that promote effective learning and development while minimizing disruptive behavior. Application of theory to classroom practice and everyday situations. Identical with PSY 486. Cannot receive credit for both SFR 486 and PSY 486.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

SFR 521 Techniques for Teaching Adults

Prerequisite: admitted to Teacher Education Program.

A survey of the principles, objectives and trends in instructional techniques for adult education. May be taught concurrently with SFR 621. Cannot receive credit for both SFR 621 and SFR 521.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SFR 547 Guidance and Interpersonal Relationships in the Classroom

Prerequisite: admitted to Teacher Education Program.

Appropriate classroom communication and interpersonal skills. Emphasis on the relationship between self concept development and achievement in a diverse student population. May be taught concurrently with SFR 647. Cannot receive credit for both SFR 647 and SFR 547.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 576 Topical Issues in Education

To develop further understanding and skills in the improvement of teaching procedures, curriculum, supervision, or administration. Each course is concerned with a single topic. Number of class hours determined by semester hours of credit. A maximum of 3 hours may be used on a degree program. Variable Content Course. May be taught concurrently with SFR 676. Cannot receive credit for both SFR 676 and SFR 576.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

SFR 581 Law and the Classroom Teacher

Prerequisite: admitted to Teacher Education Program.

Rights and responsibilities of classroom teachers as determined by the legal structure created by state and federal constitutions, legislative actions, and judicial decisions. Implications of legal foundations for teachers relative to ethics, relationships with students, colleagues, minority groups, professional organizations, and others. May be taught concurrently with SFR 681. Cannot receive credit for both SFR 681 and SFR 581.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 583 Contemporary Issues in Education

Prerequisite: admitted to Teacher Education Program.

In-depth analysis of selected issues currently generating great interest and controversy in American education. Attention to the effects of the

issues on the teaching profession, curriculum, instruction, and school personnel. May be taught concurrently with SFR 682. Cannot receive credit for both SFR 682 and SFR 583.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 595 Applications of Educational Measurement

Prerequisite: admitted to Teacher Education Program.

Using the results of testing in schools. The role, advantages, and limitations of evaluative instruments and techniques in educational decision making. May be taught concurrently with SFR 695. Cannot receive credit for both SFR 695 and SFR 595.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 621 Techniques for Teaching Adults

A survey of the principles, objectives and trends in instructional techniques for adult education. May be taught concurrently with SFR 521. Cannot receive credit for both SFR 521 and SFR 621.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SFR 647 Guidance and Interpersonal Relationships in the Classroom

Appropriate classroom communication and interpersonal skills. Emphasis on the relationship between self concept development and achievement in a diverse student population. May be taught concurrently with SFR 547. Cannot receive credit for both SFR 547 and SFR 647.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 676 Topical Issues in Education

To develop further understanding and skills in the improvement of teaching procedures, curriculum, supervision, or administration. Each course is concerned with a single topic. Number of class hours determined by semester hours of credit. A maximum of 3 hours may be used on a degree program. Variable Content Course. May be taught concurrently with SFR 576. Cannot receive credit for both SFR 576 and SFR 676.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

SFR 681 Law and the Classroom Teacher

Prerequisite: Teacher Certification students must be admitted to Teacher Education Program.

Rights and responsibilities of classroom teachers as determined by the legal structure created by state and federal constitutions, legislative actions, and judicial decisions. Implications of legal foundations for teachers relative to ethics, relationships with students, colleagues, minority groups, professional organizations, and others. May be taught concurrently with SFR 581. Cannot receive credit for both SFR 581 and SFR 681.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 682 Contemporary Issues in Education

Prerequisite: Teacher Certification students must be admitted to Teacher Education Program.

In-depth analysis of selected issues currently generating great interest and controversy in American education. Attention to the effects of the issues on the teaching profession, curriculum, instruction, and school personnel. May be taught concurrently with SFR 583. Cannot receive credit for both SFR 583 and SFR 682.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 695 Applications of Educational Measurement

Prerequisite: Teacher Certification students must be admitted to Teacher Education Program.

Using the results of testing in schools. The role, advantages, and limitations of evaluative instruments and techniques in educational decision making. May be taught concurrently with SFR 595. Cannot receive credit for both SFR 595 and SFR 695.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 709 Individualizing Instruction

Training in various procedures for individualizing instruction at all grade levels.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SFR 711 Principles and Organization of Student Activities

Acquaints teachers and administrators with problems and procedures involved in the organizations and supervision of student activities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 723 Organization and Administration of Adult Education

Theory and practice relating to the organization, administration, and supervision of adult education. Emphasis will be placed upon adult education programs in the public school and the junior-community college.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SFR 724 Organization and Administration of Vocational Education

Problems, procedures and local, state and federal relationships in organization and administration of vocational education in the contemporary school. Identical with AGV 724. May be repeated to a maximum of 3 credit hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SFR 730 Curriculum Construction in the School

Traditional, humanistic, and behavioristic approaches to advanced curriculum development in the school.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 750 Philosophies of Education

Philosophical problems of education; philosophical systems in America; their effect upon educational practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SFR 753 Comparative Educational Systems

Comparative analysis of major ideas and institutions of selected international systems of education. Comparisons between international systems of education and systems dominant in America.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered
2	2	0	Upon demand

SFR 780 Educational Research Methodology

Survey of research methods used in education; research design and evaluation; problems of interpretation and application; development of a formal research proposal.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

SFR 781 Educational Research Literacy

Introduction to the appreciation and understanding of research and common research methods in Education. In addition to basic research concepts, students will learn to read, understand, evaluate, and synthesize research, and explore the application of research results in their professional work.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SFR 791 Educational Workshop

Workshop to upgrade understandings and skills, concerned with the improvement of secondary teaching procedures, curriculum, supervision, administration or guidance. Each workshop will be concerned with a single topic. Number of class hours determined by length of workshop. May be repeated to a maximum of 9 hours. Thirty clock hours equal one credit hour.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-9			Upon demand

SFR 792 Supervision of Student Teachers

Prerequisite: valid elementary or secondary teaching certificate.

For public school teachers cooperating in college student-teaching programs; organizing and directing work of the student teacher.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

SFR 793 Qualitative Research Methods

SFR 793 Qualitative Research Methods

This course is focused on qualitative methods in the social sciences and specifically in educational research, including educational action research. Depending on prior research work, students will plan, implement, or further a qualitative or action research study. Students will learn firsthand about collecting and analyzing qualitative data, developing theories, and writing up the results. Students will also explore the role of educational action research in professional development, in improving classroom practices, and in developing school policy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SFR 794 Research Practicum

Prerequisite: SFR 780.

Conducting research projects with schools and other educational agencies. Students will be engaged in articulating research problems, reviewing literature, collecting and analyzing data, and presenting results.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SFR 796 Problems in Education

Specific problems in education related to needs and interests of the student. May be repeated to a total of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SFR 797 Advanced Studies in Teaching and Learning

Prerequisite: admitted to the Master of Arts in Teaching program.

The purpose of this course is to develop deep understandings and skills regarding secondary teaching, procedures, methods, curriculum, supervision, administration and foundations. Candidates will be introduced to the electronic portfolio. Portfolio checkpoint one will occur in this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
9			Upon demand

SFR 799 Thesis

Prerequisite: SFR 780.

May be repeated to a maximum of 6 hours credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

SFR 858 Current Issues Affecting Education

This multi-disciplinary mini-course is composed of selected topics of current interest to all school personnel. Opportunities are provided for object examination of highly volatile controversies surrounding education. May be repeated for a total of 6 hours credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SFR 890 Field Research and Evaluation

Prerequisite: SFR 780.

Specifically designed to give each student the prerequisite skills and competencies necessary for completion of field study research project(s) as well as preparation for conducting on-the-job institutional research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Middle School Education

Major(s)

Middle School Education

Bachelor of Science in Education (Certifiable grades 5-9)

The curriculum for middle school teaching leads to the degree of Bachelor of Science in Education and carries with it an initial professional certificate (IPC) to teach in the state of Missouri. Holders of this middle school certificate may be employed to teach in grades 5-9 in the certificate subject area (program option).

Degree requirements

Candidates for the Bachelor of Science in Education degree are required to meet the following grade point average requirements. All GPA requirements include both Missouri State and transfer grades.

1. at least a 2.75 GPA on all course work attempted at all colleges attended
2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B and C
3. at least a 3.00 GPA in any additional certificate subject area
4. at least a 3.00 GPA in the professional education courses and no grade lower than a "C" in all professional education courses which includes all courses listed under C

Additionally, students must earn a composite score of 20 or better on the ACT or earn passing scores on all four sub-tests of the Missouri General Education Assessment (MoGEA) and successfully complete the other Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education.

All students must be admitted to the Teacher Education Program and have successfully completed Supervised Teaching in order to earn this degree. Refer to "Teacher Education Program" for application procedures.

Program requirements

A. General Education Program and Requirements (46-48 hours)
   Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:
   1. Focus on Written Communication (6 hours): ENG 110(3) and ENG 210(3)
   2. Focus on Quantitative Literacy: Completion of general education requirement with a grade of "C" or better. MTH 130(3) recommended.
   3. Focus on Oral Communication: COM 115(3)
   4. Focus on Life Sciences: BIO 100(4)
   5. Focus on Physical Sciences: PHY 101(4)
   6. Focus on Social and Behavioral Sciences: PSY 121(3). Note: ECO 155 cannot be double-counted if Social Science is chosen as an area of subject matter option.
   7. Focus on Cultural Competence: GRY 100 is required if Social Science is chosen as an area of subject matter option.
   8. Courses used to meet the Focus on Humanities and the Focus on the Arts must have two (2) different course codes to meet state certification requirements. ART 200 or MUS 241 recommended.
   9. Focus on Constitution of U.S. and Missouri and American History and Institutions (6 hours): HST 121(3) or 122(3); and PLS 101(3)

B. Area of Subject Matter Options (24 hours): Students must complete one of the following program options. This requirement is met by

combining coursework required for General Education (section A)and additional hours in the content area option. General Education requirements are bolded. Courses noted with an asterisk are those that cannot be double-counted toward both General Education requirements and the program option.

1. **Language Arts Option** (24 hours):
   a. ENG 235(3), 296(3), 338(3), 390(3), 520(3) or 521(3)
   b. One course from each of the following areas:
      1. English/World Literature: ENG 340(3), 341(3), 362(3), 512(3), 541(3), 543(3), 544(3), 546(3), 547(3), 548(3), 568(3)
      2. Ethnic American Literature: ENG 354(3), 355(3), 455(3)
      3. American Literature: ENG 350(3), 351(3), 519(3), 553(3), 558(3), 559(3), 562(3)
2. **Mathematics Option** (24 hours): **MTH 130**(3), 135(3), 320(3), 343(3), 360(3), 377(3), 479(3), 596(3)
3. **Science Option** (24 hours): **BIO 100**(4), **PHY 101**(4), BIO 205(2), CHM 116(4), CHM 117(1), GRY 108(3), GRY 240(4), PHY 501(2)
4. **Social Sciences Option** (24 hours):
   a. **GRY 100**(3), **HST 121**(3), **HST 122**(3), **PLS 101**(3), HST 103(3)*, HST 104(3)*, ECO 155(3)*
   b. One of the following courses: HST 324(3), 331(3), 335(3), 343(3), 350(3), 369(3), 380(3)
   *Cannot be double-counted toward both General Education requirements and the program option.

C. Professional Education (50-51 hours): Note: A grade of "C" or better in each course is required.
1. Foundations of Teaching: EDC 345(3), EDC 350(3), EDT 365(3), PSY 360(3), SPE 340(2)
2. Teaching Methods: MID 400(3), RDG 474(3), RDG 574(3), SFR 486(3)
3. Choose one of the following content area methods courses:
   a. ENG 405(3) - Language Arts
   b. MTH 409(3) - Mathematics
   c. SCI 404(3) - Science
   d. HST 418(4) - Social Sciences
4. Clinical Experiences: SEC 302(3), MID 425(3), MID 439(3), MID 493(6), MID 494(6)
5. Candidate must pass the Missouri Content Area Exam before approved for supervised teaching.

D. Public Affairs Capstone Experience will be fulfilled by completion of MID 493(6) and 494(6).

E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification.

F. General Baccalaureate Degree Requirements

Accelerated graduate program in Educational Technology

Eligible Missouri State undergraduate students may apply for admission to the Educational Technology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Literacy

Eligible Missouri State undergraduate students may apply for admission to the Literacy program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Literacy

Minor(s)

Literacy

Bachelor of Science in Education (Non-Certifiable)

This minor is designed to strengthen classroom teachers' knowledge for teaching literacy. Minimum of 23 hours required.

A. RDG 318(3) or 474(3); RDG 420(3), 421(2), 540(3); ENG 334(3)
B. Select additional electives from the following to bring total to 23 hours: RDG 318(3) or 474(3) if not counted above; RDG 560(3) or 565(3); 573(3), 580(3)*, 585(3)*; ENG 338(3) or ENG 536(3); PSY 331(3), 441(3)*; SPE 584(3) or CSD 312(3); PSY 508(3)* or SPE 515(3)* or other electives approved by the department.
**Courses may be applied toward teacher certification in Special Reading (K-12). Additional coursework will be required for the teacher's certificate.*

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Missouri State

Office of the Registrar
Undergraduate Catalog

College of Humanities and Public Affairs

Programs

Indicates accelerated graduate program is available

Undergraduate

African and African American Studies (Minor)

Anthropology (BA, BS, Minor)

Asian Studies (Minor)

Conservation Law Enforcement (Certificate)
Interdisciplinary program offered by Department of Criminology and Criminal Justice and Department of Biology

Criminal Investigation (Certificate)
Interdisciplinary program offered by Department of Criminology and Criminal Justice and Department of Psychology

Criminology (BA, BS, Minor)

Diversity in the United States (Certificate)

Diversity Studies (Minor)

Disabilities Studies (Minor)

Economics (BA, BS, Minor)

Ethics and Social Policy (Minor)

Fire Administration (Certificate, Minor)

Gender Studies (Minor)

History (BA, BS, Minor)

History Education (BSEd)

Interfaith Engagement (Certificate)
Interdisciplinary program offered by Department of Religious Studies and Department of Communications

International Relations (Minor)

Latin American, Caribbean, and Hispanic Studies (Minor)

Law and Society, The (Minor)

Linguistics (Minor)
Interdisciplinary program offered by the College of Arts and Letters and Department of Sociology and Anthropology

Medical Humanities (Certificate)
Interdisciplinary program offered by Department of Religious Studies and Department of Sociology and Anthropology

Middle Eastern Studies (Minor)

Military Science (Minor)

Native American Studies (Minor)

Ozarks Studies (Minor)

Philosophy (BA, BS, Minor)

Political Science (BA, BS, Minor)

Public Administration (Minor)

Public Law (Minor)

Religious Studies (BA, BS, Minor)

Sociology (BA, BS, Minor)

Terrorism and National Security (Certificate)
Interdisciplinary program offered by Department of Criminology and Criminal Justice and Department of Political Science

Graduate

Countering Weapons of Mass Destruction (CWMD) (Certificate)

Criminology and Criminal Justice (MS)

Defense and Strategic Studies (MS)

Defense and Strategic Studies (Certificate)

Economic Development (Certificate)

Global Studies, Master of (MGS)

History (MA)

History for Teachers (Certificate)

Homeland Security and Defense (Certificate)

Local Government Management (Certificate)

Public Administration, Master of (MPA)

Public Management (Certificate)

Public Policy (Certificate)

Public Safety (Certificate)

Religious Studies (MA)

Secondary Education with options in History (MSEd)

Secondary Education with options in Social Sciences (MSEd)

Courses are offered toward the options in Criminal Justice and Homeland Security within the Professional Studies program (MPS)

Centers for Research and Service

Bureau of Economic Research

The Bureau, housed within the Economics Department, serves as a clearinghouse for data and publications on economic conditions within the region, state, and nation. the staff has a wide variety of experience and is able to provide consulting services, produce detailed GIS maps, economic and industry forecasts, and other relevant reports on a per fee basis.

The Bernice S. Warren Center for Archaeological Research

The Center is a research institute that conducts archaeological field work and other cultural resource management projects on a contractual basis. It primarily serves municipal, state, and federal government agencies.The center also offers hands-on experience for students interested in careers in archaeology and is active in local archaeological and preservation societies.

Center for Community Engagement

The Center serves students, faculty, staff and community partners of Missouri State University as a resource for experiential learning, research opportunities, community partnerships, in an effort to move the university's public affairs mission of ethical leadership, cultural competence and community engagement forward.

Contact

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Missouri State

Office of the Registrar
Undergraduate Catalog

Area Studies Programs

Programs

Undergraduate

African and African American Studies (Minor)

Asian Studies (Minor)

Disability Studies (Minor)

Diversity Studies (Minor)

Gender Studies (Minor)

Latin American, Caribbean, and Hispanic Studies (Minor)

Law and Society, The (Minor)

Middle Eastern Studies (Minor)

Native American Studies (Minor)

Ozarks Studies (Minor)

General information

A variety of interdisciplinary programs and courses are offered outside of the standard academic departments. Each program is governed by a faculty committee that is responsible for course and program content.

Courses are offered in African American Studies, Disability Studies, Gender Studies and Ozarks Studies.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Area Studies Programs Courses

African American Studies (AAS) courses

AAS 100 Introduction to African American Studies

General Education Course (Focus on Humanities).

The course provides a multidisciplinary introduction of the many dimensions of the African American experience, including the African heritage and diaspora, slavery and freedom, African American artistic and literary expression, and the problem of racism in American society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AAS 397 Topics in African American Studies

Prerequisite: permission.

Topics of general interest in the area of African American Studies. Examples: African Independence, Negritude, Harlem Renaissance, 1960s Civil Rights Movement, the Black Panther Party, Nation of Islam in the U.S., Afrocentricism, and African/African American Destiny. Variable content course. May be repeated to a maximum of 6 hours, provided that the topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

AAS 497 Directed Reading

Prerequisite: permission.

Analysis of various topics in African American Studies not covered in regular courses. Variable content course. May be repeated to a maximum of 6 hours, provided that the topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

Disability Studies (DAS) courses

DAS 100 Introduction to Disability Studies

This course provides a multidisciplinary introduction to the many dimensions of Disability Studies, including the history, social, cultural, political, legal, and economic perspectives on disability in American society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

DAS 397 Topics in Disability Studies

Prerequisite: DAS 100 and permission.

Topics of general interest in the area of Disability Studies. Examples: disability cultures, disability rights movement, deaf culture, disability and the law. Variable content course. May be repeated as topics change to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

DAS 497 Directed Readings

Prerequisite: permission.

Analysis of various topics in Disability Studies not covered in regular courses. May be repeated for a maximum of 6 hours, provided that the topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

Gender Studies (GST) courses

GST 170 Sex, Gender, and Self

An introduction to Gender Studies that explores the influence that ideas about sex, gender, and gender roles have on women and men, both as individuals and as social beings. Using new research on gender in many disciplines, it examines representations of male and female experiences, and historical and social constructions of women's and men's roles.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

GST 315 The Economics of Gender

Prerequisite: ECO 165.

This course teaches students to analyze the economic decisions made by both males and females in two main areas: the labor market and the household. Specific areas of inquiry include the following: the family as an economic unit, gender differences in labor force participation, occupational gender segregation, explanations for gender earnings differentials and efforts to reduce such differentials, gender earnings

discrimination, and international gender issues. Identical with ECO 315. Cannot receive credit for both GST 315 and ECO 315.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GST 326 Feminist Theories of Social Order

Prerequisite: SOC 150 or GST 170.

This course offers an introductory survey of feminist theories within a sociological framework. Students will read and discuss significant classical and contemporary feminist writings on how social life is organized, maintained or changed. The feminist literature has led to the emergence of diverse theoretical frameworks analyzing historical and contemporary, macro and micro, public and private, local and global issues and concerns. The feminist paradigm, like many other paradigms, is inclusive of many disciplines. The sociological writings within this paradigm provide a wealth of materials on alternative views of social organization, order and conflict. Identical with SOC 326. Cannot receive credit for both GST 326 and SOC 326.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GST 400 Gender in Global Community

Prerequisite: SOC 150 or GST 170.

This course will explore the effects of an integrated global community on gender; how global trends are gender-based in terms of labor market participation, resource allocation, family regulations, health care, crime, war and regional politics. Students will discuss how events and policies in one part of the globe affect gender relations in another region. May be taught concurrently with SOC 600. Cannot receive credit for both GST 400 and SOC 600.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

GST 497 Special Topics in Gender Studies

Prerequisite: permission.

In-depth inquiry into selected topics of Gender Studies. May be repeated to a maximum of 6 hours if the topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

Ozarks Studies (OZK) courses

OZK 150 Introduction to Ozarks Studies

This course provides a multidisciplinary introduction to the study of the Ozarks region and its inhabitants, including Ozarks history and geography, regional folk culture and traditions, and current issues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

OZK 300 Topics in Ozarks Studies

In-depth inquiry into topics in Ozarks Studies. May be repeated to a maximum of six hours if the topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

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Missouri State

African and African American Studies

Minor(s)

African and African American Studies

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Education (non-certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

Administration of the program

Courses must be approved by the faculty of the African and African American Studies Committee for inclusion in the minor.

The minor includes AAS 100, plus at least 15 hours of additional course work for a total of at least 18 hours with a minimum grade point average of 2.50 in all courses counted toward the minor. It is recommended that AAS 100 be taken prior to undertaking all other courses included as options in the African and African American Studies minor.

A student cannot take more than six hours in a particular discipline to complete the minor; exceptions must have the permission of the Administrator. A student can petition to apply a variable content/special topics course to the minor, with the approval of the Administrator. Such variable content/special topics courses might include: AAS 397, 497; ANT 330; or REL 397.

A. Complete AAS 100(3)
B. Complete 15 hours from the following areas with at least three hours from each area:
    1. Historical Foundations: HST 331(3), HST 332(3), HST 338(3)
    2. Pan-African Background and Perspectives: ANT 330(3)*, ANT 331(3), ANT 332(3), ANT 490(3)*, ENG 363(3), GRY 507(3), HST 323(3), HST 335(3), HST 339(3), PLS 550(3)
    3. Arts and Humanities: ART 273(3), ART 386(3), ART 488(3)*, ENG 355(3), ENG 455(3), REL 365(3)
    4. Politics and Society: CRM 415(3), HST 334(3), HST 531(3), REL 345(3), SOC 336(3), SWK 219(3)

    *when applicable
C. Attain a minimum GPA of 2.50 in all courses counted toward the minor.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Asian Studies

Minor(s)

Asian Studies

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Education (non-certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

Administration of the program

Courses must be approved by the faculty of the Asian Studies Committee for inclusion in the minor.

A. Six hours of an Asian language, the University currently offers Chinese (CHI 101, 102, 201, 202), Japanese (JPN 101, 102, 201, 202), and Korean (KOR 101, 102, 201, 202)
B. Complete 12 hours from the following areas, with no more than six hours from any one category:

1. ANT 334(3), HST 380(3), HST 381(3), HST 571(3)
2. PHI 314(3), REL 355(3), REL 357(3), REL 358(3), REL 360(3)
3. ART 274(3), ENG 362(3)*, LLT 215(3), MED 300(1)*
4. ECO 345(3), GRY 305(3)*, PLS 545(3)

*when applicable

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Missouri State

Office of the Registrar
Undergraduate Catalog

Disability Studies

Minor(s)

Disability Studies

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Education (Non-Certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

Administration of the program

Courses must be approved by the faculty of the Disability Studies Committee for inclusion in the minor.

The minor includes DAS 100, plus at least 15 hours of additional course work for a total of at least 18 hours with a minimum grade point average of 2.50 in all courses counted toward the minor. It is recommended that DAS 100 be taken prior to undertaking all other courses in the minor.

A student cannot take more than six hours in a particular discipline to complete the minor; exceptions must have the permission of the Administrator. A student can petition to apply a variable content/special topics course to the minor, with the approval of the Administrator. Such variable content/special topics courses might include: ANT 330(1-3), ENG 330(3), HST 397(1-3) or HST 597(1-3), or REL 397(1-3).

A. Complete DAS 100(3)
B. Complete 15 hours from the following areas with at least 3 hours from 3 of the 4 areas with no more than 6 hours from each discipline (course code):
    1. Arts and Letters: ART 366(3), ART 401(3), COM 360(3), COM 507(3), ENG 287(3)*, ENG 289(3)*, ENG 563(3), THE 506(3), THE 515(3)
    2. Humanities and Public Affairs: ANT 365(3), DAS 397(1-3), DAS 497(1-3), SOC 420(3)
    3. Health and Human Services and Natural and Applied Sciences: CSD 330(3), CSD 331(3), CSD 380(3), KIN 130(1), KIN 468(3), PLN 505(3), PSY 309(3), REC 200(3), SWK 219(3)
    4. Business and Education: BUS 307(3), CFD 305(3), CFD 353(3), EDC 345(3), RDG 560(3), SPE 507(3), SPE 560(3)
    *when applicable
C. Attain a minimum GPA of 2.50 in all courses counted toward the minor.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Diversity Studies

Minor(s)

Diversity Studies

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

Administration of the program

Courses must be approved by the faculty of the Diversity Studies Committee for inclusion in the minor.

The Diversity Studies minor is an interdisciplinary program of study allowing students to develop a broad understanding of the components of diversity in society, which include race and ethnicity, culture, gender, sexuality, religion, language, social class, and aging and disability. This minor is of relevance to any career that involves diverse populations of people, such as business, industry, education, social welfare, health and medicine.

A. Introduction to Diversity: ANT 100(3) or EDC 345(3) or SWK 219(3)
B. Topical Introductions: Select courses from three of the following six content areas and three different course codes to total nine hours:
    1. Race and Ethnicity: AAS 100(3), ANT 365(3), SOC 336(3)
    2. Culture: ANT 303(3), GBL 250(3), SOC 150(3)
    3. Gender and Sexuality: GST 170(3), PSY 307(3), SOC 337(3)
    4. Religion: REL 100(3), REL 131(3), REL 210(3); REL 390 or SOC 390(3)
    5. Communication: ANT 306(3), COM 360(3)
    6. Aging and Disability: DAS 100(3), GER 375(3), PSY 304(3), SOC 375(3)
C. Electives. Select six hours from the following courses.
    1. Race and Ethnicity: CRM 415(3), ENG 354(3), ENG 355(3), HST 331(3), HST 332(3)
    2. Culture: ANT 325(3), ANT 525(3), BMS 332(3), CFD 305(3), ECO 346(3), ECO 456(3), ENG 362(3), MGT 447(3), MKT 474(3), PSY 411(3), SOC 420(3)
    3. Gender and Sexuality: CRM 410(3), ENG 282(3), ENG 580(3); ECO 315 or GST 315(3); KIN 405(3), PHI 319(3), PLS 319(3)
    4. Religion: ANT 301(3), REL 315(3), REL 345(3), REL 370(3)
    5. Communication: COM 307(3), COM 390(3), COM 507(3), COM 512(3), ENG 494(3), ENG 592(3)
    6. Aging and Disability: BMS 260(3); GER 470(3) or SWK 470(3); GER 354(3) or PSY 354(3); GER 480(3)
D. Engaged Learning. An integrated service learning course from the above, or a service learning component of one of the above courses, or a study away course

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Missouri State

Gender Studies

Minor(s)

Gender Studies

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Education (non-certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

Administration of the program

Courses must be approved by the faculty of the Gender Studies Committee for inclusion in the minor.

The minor in Gender Studies requires a total of at least 18 hours with a minimum grade point average of 2.50 in all courses counted toward the minor.

A. GST 170(3) or PSY 357(3) or SOC 337(3)
B. Complete 15 hours from the following areas with at least three hours from each area and no more than six hours from each discipline (course prefix):

    1. Arts and Letters: ART 378(3), COM 307(3), ENG 282(3), ENG 580(3)
    2. Humanities and Public Affairs: CRM 410(3); ECO 315(3) or GST 315(3); GST 400(3), HST 323(3), HST 324(3), PHI 319(3), PLS 319(3), PLS 517(3), REL 370(3); SOC 326(3), SOC 337(3)
    3. Health and Human Services: FCS 300(3), GER 354(3), KIN 402(3), KIN 405(3), NUR 327(3), PSY 307(3), PSY 357(3), SWK 320(3)

C. Attain a minimum GPA of 2.50 in all courses counted toward the minor.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Law and Society, The

Minor(s)

Law and Society, The

Bachelor of Arts

Bachelor of Science

Administration of the program

Courses must be approved by the faculty of the Law and Society Committee for inclusion in the minor.

The Law and Society Minor is a 21-hour program of study with nine credit hours required in the core and an additional 12 credit hours of designated electives. No more than two courses with the same course prefix will count toward the minor.

A. Core Courses (9 hours): SOC 380(3), PHI 340(3), and PLS 515(3) or 517(3)
B. Complete 12 hours from: AGB 314(3), ECO 435(3), JRN 407(3), LAW 231(3), LAW 537(3), PHI 345(3), PLN 570(3); CRM 210(3) or PSY 320(3)

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Missouri State

Office of the Registrar
Undergraduate Catalog

Latin American, Caribbean, and Hispanic Studies

Minor(s)

Latin American, Caribbean, and Hispanic Studies

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Education (non-certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

Administration of the program

Latin America is a fascinating, vibrant region. It is home to some major economies, plentiful natural resources, a vast population and diverse cultures. It is a region of great significance to the United States with regard to economic exchange, immigration, national security and many other issues. The Latin American, Caribbean, and Hispanic Studies Minor seeks to enrich students' knowledge of this important region. It emphasizes critical and interdisciplinary thinking about crucial issues facing the region and helps students develop proficiency in Spanish or Portuguese. Students who earn this minor will acquire skills useful for a variety of careers including, diplomacy, business, translation, health and educational services, and academia.

Permanent courses in the minor program must be approved by the faculty of the Latin American, Caribbean, and Hispanic Studies Committee.

Student can petition to apply to the minor any content-relevant course that has a substantive focus on Latin America, the Caribbean, or Hispanics in the United States, such as Study Away courses or individualized courses.

To fulfill the program, students must:

A. Complete six hours of a Latin American language: Portuguese (PTG 101, 102, 201, 202) or Spanish (SPN 101, 102, 201, 202)
B. Complete 12 hours from the following areas including at least three hours from at least two of the following areas, and no more than six hours from any one category:

1. Historical Studies: HST 350(3), HST 395(3), HST 397(3)*, HST 587(3), HST 588(3)

1. Historical Studies: HST 390(3), HST 395(3), HST 397(3)*, HST 397(3), HST 398(3)
2. Geography and Politics: GRY 305(3)*, PLS 338(3)*, PLS 548(3)
3. Art, Culture, Religion, and Society: ANT 330(3)*, ANT 331(3), ART 273(3), ART 385(3), ART 485(3), ART 488(3) or MST 488(3), ART 496(3)*, REL 397(3)*, SOC 336(3)
4. Language and Literature: ENG 354(3)*, ENG 362(3)*; PTG 297(3)*, SPN 297(3)*, SPN 314(3), SPN 320(3), SPN 325(3), SPN 326(3), SPN 415(3), SPN 460(3)

*When applicable. Students must petition to apply this variable content/special topic course to the minor, upon approval of the administrator. A maximum of three hours for each of these variable content/special courses may be used.

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Missouri State

Middle Eastern Studies

Minor(s)

Middle Eastern Studies

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Education (non-certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

Administration of the program

Courses must be approved by the faculty of the Middle Eastern Studies Committee for inclusion in the minor.

The Middle Eastern Studies Program provides a minor course of study allowing students to concentrate their efforts in the study of the peoples, cultures, history, geography, languages, and religions of the modern Middle East. With the increased emphasis being placed on International Studies, world markets, and diversity awareness, students will be better prepared for careers in international business, public service, human resources, and graduate studies in history, political science, public administration, and religious studies.

A. Complete 6 hours from: HST 370(3), HST 371(3), PLS 544(3)
B. Complete 12 hours from the following areas, with no more than six hours from any one category:

1. HST 543(3)
2. ART 382(3), REL 330(3), REL 350(3), REL 397(3)*
3. ARB 101(3), ARB 102(3), ARB 201(3), ARB 202(3), HBW 101(3), HBW 102(3), HBW 201(3), HBW 202(3)
4. ANT 335(3), GRY 305(3)*, PLS 546(3), SOC 397(3)*

*when applicable

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Missouri State

Office of the Registrar
Undergraduate Catalog

Native American Studies

Minor(s)

Native American Studies

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Education (non-certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

Administration of the program

Courses must be approved by the faculty of the Native American Studies Committee for inclusion in the minor.

The Native American Studies Program is an interdisciplinary minor course of study allowing students to concentrate on the history, arts, and cultures of native peoples of the Americas. The minor in Native American Studies offers a multidisciplinary exploration of the history, arts, and cultures of the first Americans, past and present. It can be an excellent complement to many majors, including art, history, and anthropology. The knowledge provided will be valuable if not essential in any career that involves working with Native Americans in business, social services, public administration, or health and medicine. The minor will also stimulate awareness and appreciation of the ethnic and cultural diversity of the United States, which is an increasing concern in the workforce and society today, as well as the importance of cultural heritage.

A. Complete 18 hours from the following courses and from at least three disciplines (course prefix), with no more than nine hours from any one discipline: ANT 325(3), ANT 330(3)*, ANT 351(3)*, ANT 360(3), ANT 490(3)*, ANT 525(3), ANT 598(3), ART 273(3), ART 385(3), ART 485(3), ART 496(3)*, ENG 354(3)*, GRY 305(3)*, GRY 597(3)*, HST 397(3)*, HST 509(3), HST 510(3), REL 315(3)

   *when applicable
B. Other courses (e.g., special topics, transfer) may be applied with the approval of the Administrator.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Ozarks Studies

Minor(s)

Ozarks Studies

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Education (non-certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

Administration of the program

Elective courses must be approved by the faculty of the Ozarks Studies Committee for inclusion in the minor.

The Ozarks Studies Program is an interdisciplinary minor course of study allowing students to concentrate on the geography, history, literature, and cultures of the Ozarks. The minor provides students with an understanding and appreciation of the environment and cultures of the Ozarks region, past and present. It will stimulate awareness of the region's contrasts with and similarities to other American geographical and cultural regions as well as an appreciation for the region's place within the greater United States. This knowledge and experience is valuable in a number of contexts. For students from the Ozarks region, the minor in Ozarks Studies serves as an extended study of personal and regional heritage. For students who will remain in the region for work and careers, the minor offers an invaluable primer for understanding regional heritage, cultures, and the natural environment. For all students the minor provides a solid academic exercise in comparative regional study.

The minor includes OZK 150 and HST 375, plus at least 12 hours of additional coursework for a minimum of 18 hours. It is recommended that OZK 150 be taken prior to other required and elective courses in the minor.

A student can take no more than six hours in a particular discipline to complete the minor; exceptions must have the permission of the Administrator. A student can petition to apply to the minor variable content/special topics courses that focus on the Ozarks, with the approval of the Administration. These include: ANT 397, BIO 597, PLS 497, REL 397, and SOC 397.

A. Required Courses (6 hours): OZK 150(3), HST 375(3)
B. Complete 12 additional hours from: ANT 397(3)*; BIO 564(2), BIO 597(3)*, ENG 385(3), ENG 386(3), GRY 301(3); GRY 310(3) or REC 320(3); OZK 300(3)*, PLS 497(3)*, SOC 397(3)*

*when applicable

when applicable

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Criminology and Criminal Justice

Programs

Indicates accelerated graduate program is available

Undergraduate

Criminology (BA, BS, Minor)

Conservation Law Enforcement (Certificate)
Interdisciplinary program offered by Department of Criminology and Criminal Justice and Department of Biology

Criminal Investigation (Certificate)
Interdisciplinary program offered by Department of Criminology and Criminal Justice and Department of Psychology

Terrorism and National Security (Certificate)
Interdisciplinary program offered by Department of Criminology and Criminal Justice and Department of Political Science

Graduate

Criminology and Criminal Justice (MS)

Courses are offered toward the options in Criminal Justice and in Homeland Security within the Professional Studies program (MPS)

Courses are offered toward the certificate in Homeland Security and Defense

General Information

The criminology program at Missouri State University provides a solid foundation for the study of the nature, causes and control of criminal behavior through academic courses, internship opportunities and community partnerships. The undergraduate criminology program focuses on finding solutions to problems and issues in criminal justice, while the graduate program provides students with the tools for evaluating criminal justice initiatives. Overall, the programs strive to create a healthy balance between academic analysis and technical education needed for a successful career in the field.

Contact

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Missouri State

Office of the Registrar
Undergraduate Catalog

Criminology and Criminal Justice Faculty

Professors

Brett E. Garland, PhD

Aida Y. Hass, PhD

Associate professors

Patrick R. Gartin, PhD

Patti J. Salinas, JD, PhD

Michael J. Suttmoeller, PhD

Assistant professors

Ethan Amidon, PhD

Marijana Kotlaja, PhD

Michael J. Kyle, MS

William L. Sandel, PhD

Senior instructors

Diane M. Leamy, MS

Paula K. Rector, MS

Caryn E. Saxon, MS

Ivy Yarckow-Brown, MS

Emeritus faculty

Michael K. Carlie, PhD

Bernard J. McCarthy, PhD

Melodye G. Lehnerer, PhD

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Missouri State

Office of the Registrar
Undergraduate Catalog

Criminology and Criminal Justice Courses

Criminology (CRM) courses

CRM 210 Introduction to the American Criminal Justice System

Prerequisite: 12 hours.

General Education Course (Focus on Public Issues).

This course provides an overview of the American criminal justice system, and examines its functions, problems, and potential solutions. Students explore citizen rights and responsibilities relevant to the fair and equal distribution of justice and examine how communities can be strengthened to aid crime prevention.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	CRJS 101 - Introduction to Criminal Justice.

Access the CORE 42 portal

CRM 215 Criminology and Criminal Justice Field Exploration

Acquaint students with the types of opportunities available in the field of criminology and criminal justice including required credentials, career preparation, and the job search process. Expose students to training regimens, routine practices, and daily challenges within criminal justice agencies. May be repeated up to 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

CRM 220 Criminology

General Education Course (Focus on Social and Behavioral Sciences).

This course examines the nature and various dimensions of criminality through the lens of the social and behavioral sciences. Historical and contemporary explanations of crime rooted in a range of biological, psychological, and sociological perspectives are explored as well as their implications for individuals, social systems, and organizations. Students will learn how various institutions have experimented with and adopted crime-reduction policies and practices over time.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

CRM 250 Policing

This course examines the history, structure and function of law enforcement as a means of addressing behavior which violates the law. Problems faced by law enforcement and solutions to those problems are also discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 260 Criminal Law and the Courts

This course examines the basic principles, processes, and structures found in adult criminal courts in the United States and Missouri. The course also examines the nature and development of criminal law from the Common Law to its current state nationwide, with an emphasis on current Missouri criminal law.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 270 Institutional and Community-Based Corrections

A course designed to critically examine the various social control responses to delinquent and criminal behavior. Includes the history, philosophies, and practices of American corrections and an evaluation of the advantages and disadvantages of each societal/correctional response. Problems in the field of corrections and related solutions are also examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 300 Service Learning in Criminology

Prerequisite: 30 hours and concurrent registration in a Criminology course designated as service learning offering.

An integrative learning experience which addresses the practice of citizenship and promotes an awareness of and participation in public affairs by incorporating community service with classroom instruction. Includes 40 hours on-task service to a community organization, agency or public service provider. The community service placement agency and service assignment will vary, dependent on the disciplinary course topic and learning objectives. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

CRM 301 Movies, Media and Crime

This course explores the relationship between various forms of mass media as they impact public attitudes and social policies regarding crime and the justice system. Students will have the opportunity to view major film productions and critically evaluate the depiction of

victims, offenders, and the criminal justice system in the media. Solutions to problems created by the media are also discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 302 Reforming America's Prisons

This course explores the nature of confinement used by the American criminal justice system and includes a study of prisons and jails. Both the humanitarian and rehabilitative conditions of these facilities are reviewed in a critical context with attention paid to ways in which existing problems may be corrected. Prison reform is studied from a system-wide perspective recognizing the role of legislatures, courts, and the public in bringing about effective reform.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CRM 303 Capital Punishment

Students explore the history of the death penalty as well as its current use in the United States. Methods of execution and their impact upon executioners, death penalty jurors, and the families of both the executed and their victim's family members are analyzed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CRM 305 Serial Killers

This course provides education and knowledge about serial killers, highlighting a few of the most notorious serial killers in the United States. Definitions of serial killing, an examination of serial killing typologies, root causes of serial killing, and the patterns of serial killers are examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CRM 306 Criminal Profiles: Who Did It?

This course is designed to introduce students to the major concepts used in the practice of criminal profiling. Students will get an overview of how to identify and analyze crime and offender characteristics and their relationship with criminal motive and behavior.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CRM 307 Life Behind Bars: Got Time?

This course highlights the dynamics of interaction that take place between inmates and staff in a correctional setting. Students will examine the various deprivations inmates face during incarceration, and their methods for compensation through developing networks of interactions that focus on the illegal trade of goods and services.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CRM 308 To Shoot or Not To Shoot: Ethical Dilemmas in Criminal Justice

This course examines and nature and meaning of ethical behavior within the context of the criminal justice system. Students will identify the various ethical dilemmas faced by law enforcement, courtroom and correctional practitioners, as well as examine their own views of right and wrong.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CRM 309 Bad Girls: An Introduction to Aggressive and Delinquent Females

"Bad girls" of society have developed a reputation for their increasingly aggressive behaviors. This course will discuss and investigate the unique characteristics, distinct traits and needs of the female delinquent. Effective approaches for working with this population will also be explored.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CRM 310 Investigating Motive in Hate Crime and Terrorism

The purpose of this course is to critically examine the motives behind hate crime, domestic terrorism, and foreign terrorism. Course will explore both the various types of motives as well as methods of using our understanding of motive to prevent acts of violence and disruption. Attention will be given to psychological, economic, and social factors which contribute to a hate crime or terrorism mindset.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CRM 312 Legalization of Marijuana

This course is designed to provide students with an understanding of the history of marijuana laws and to provide an understanding of current state and federal laws regarding marijuana. Students will explore the impact of legalization of marijuana and the impact it has had in states that have legalized marijuana.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

CRM 313 Prison Violence and Disorder

This course examines the nature, extent, and causes of prison violence. It explores the psychological, environmental, cultural, and organizational factors that contribute to various forms of violence and disorder in prisons. Special emphasis is placed on identifying solutions for correctional policy and practice to reduce incidents of assault, riots, and gang disturbances in prisons.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CRM 314 Forensic Science

With particular emphasis on the study of forensic science (science within the framework of the American legal system), this course evaluates various types of evidence left behind at the crime scene, the technology and protocols used to collect and evaluate each piece of evidence, the weight/value each piece of evidence should be assigned within the investigation, as well as the qualifications and scope (range of expertise) each testifying expert must provide.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 315 College Campus Crime

This course is designed to provide students with an overview of the criminal offenses and victimization on college campuses. Students will explore the extent and types of offenses, offenders, and victims. Students will also become aware of the ways that college campuses prevent and respond to offenses and the challenges faced by crime victims.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CRM 316 Post-Conviction Justice Clinic

Prerequisite: CRM 314.

This course provides hands-on, real world experience to students charged with re-investigating cases of currently incarcerated defendants seeking post-conviction relief and making claims of actual innocence to the Midwest Innocence Project (University of Missouri-Kansas City School of Law). With particular emphasis on the examination of forensic evidence, students will evaluate various aspects of each case, ultimately creating a detailed and science-based report of their findings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 317 Peacemaking Criminology

Drawing upon critical theories, social justice, and human rights, a peacemaking approach to criminology is focused on crime prevention, power balancing, and reconciliation. This course will provide an introduction to the peacemaking criminology perspective as it is applied in domestic and global justice contexts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CRM 318 Immigration and Crime

In this course students will explore the impact of immigration, legal and illegal, on the U.S. crime rate, as well as ways in which our criminal justice system interfaces with, and impacts, immigrants and immigrant communities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CRM 319 Queer Criminology

In this course students will explore issues related to LGBTQI individuals and the criminal justice system. Topics include LGBTQI inmates in prisons, the victimization of LGBTQI individuals, perceptions of law enforcement in the LGBTQI community, and domestic violence in same-sex and polyamorous relationships.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CRM 322 The General Theory of Crime

This course focuses on one of the most theoretically influential correlates of crime and delinquency, self-control. Self-control, as it is conceptualized within criminology, and its relationship to behavior is examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

CRM 323 Introduction to Developmental and Life-Course Criminology

This course provides an overview of the developmental and life-course perspective within criminology. How the factors which influence crime and delinquency change over the course of one's life is explored.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Spring

CRM 325 Family Violence

CRM 325 Family Violence

This course is designed as an introduction to the study of family violence. Students will develop an understanding of the major issues related to child abuse, sibling abuse, intimate partner violence, and elder abuse. Students will be introduced to the criminological literature on family violence. The course will explore the social causes and consequences of family violence, the prevention of family violence, and the criminal justice response to family violence.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 326 Far-Right Terrorism and Violence in America

This course will introduce and familiarize students with the far-right extremist movement in America. Students will learn about the groups and individuals that are involved in the domestic far-right extremist movement. While most groups and individuals involved in this movement are non-violent, students will learn about not only why some members of this movement participate in violence, but also the types of violent activities in which they participate.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Spring

CRM 327 Animal Rights and Environmental Terrorism and Violence in America

This course will introduce students to the animal rights and environmental extremist movements in America. They will learn about the main groups and individuals involved in this movement. Even though the majority of those involved in this movement at non-violent, this course will explore not only reasons why these groups and individuals may choose to participate in violence, but also the types of violence employed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Summer

CRM 328 Jihadist Terrorism and Violence in America

This course will examine the threat that jihadist extremists pose to America. While international groups receive the most attention from scholars, those that operate in America also pose a threat to society. This threat will be examined from both a group and individual perspective. Additionally, the types of violence these groups and individuals employ will also be examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

CRM 330 Juvenile Justice

Prerequisite: CRM 210.

This course reviews the topic of juvenile delinquency, with primary focus on a review of the history, extent and significance of delinquency and traces the emergence and effectiveness of the juvenile justice system as a societal response to juvenile offenders.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 332 Seminar on Violence

Acts of violence and violent predators will be explored through this course. Research on criminal violence will be offered with theoretical explanations. Crimes emphasized through the course material will include homicide, assault, robbery, rape and hate crime. Family, workplace, schools and gang violence will also be examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 333 Sex Offenses

This course examines sexual offenses, including the crimes and the criminals, with an emphasis on definitions, motives, theories and explanations. A variety of sex crimes will be discussed with perspectives being offered about the crimes, offenders, victims and criminal justice system with relation to this type of behavior. Fetishes and paraphilias will be explored through the investigation into sexual offending cycles.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 334 Homicide

Homicide is a phenomenon that impacts our society at alarming rates. This course is designed to examine this type of criminal violence through definitions, statistics, research, rates, types, and theoretical explanations. Students will be exposed to a variety of readings and required to complete independent investigations into incidents of homicide throughout the semester. Material covered throughout the course will greatly enhance the student's knowledge base regarding the act of murder.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 335 Criminal Typologies

Prerequisite: CRM 210.

This course is designed to examine the nature and extent of criminal behavior. Students will explore patterns of offender behavior including crimes against the person, interpersonal violence, property crimes, white collar and organized crime, public order crimes and political crimes.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered
3	3	0	Upon demand

CRM 336 Criminal Psychology

This course is designed to provide students with an in-depth analysis of principles and theories of delinquent and criminal behavior from a psychological perspective. Developmental, biological, and behavioral/cognitive risk and protective factors as well as the process of psychological conditioning that can lead to the commission of violent criminal acts will be explored.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 340 Research Methods in Criminology and Criminal Justice

Prerequisite: 60 hours; CRM 210 and CRM 250 and CRM 260 and CRM 270; and CRM 220 or concurrently enrollment in CRM 220.

An overview of research design as applied to research on crime and justice. Topics include hypothesis formulation, sampling techniques, reliability and validity, survey construction, field observation, and evaluation research. May be taught concurrently with CRM 641. Cannot receive credit for both CRM 340 and CRM 641.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 351 Trafficking of Humans, Drugs, and Guns

This course examines rapidly changing issues such as drug trafficking, human trafficking, and illegal arms trading that are major areas of concern for law enforcement, politicians, and policy makers, and an increasingly important area of research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 355 Current Issues in Policing

Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.

This course addresses a selection of contemporary issues and controversies facing police officers and law enforcement agencies. Topics covered may include, but are not limited to, problem-oriented and community policing, police use of force, racial profiling, leadership in law enforcement, and police corruption.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 356 The Resilient Officer: Conflict and Stress in Policing

Research shows that occupational stress in the lives of criminal justice professionals is associated with many important and preventable problems such as officer suicide, addiction, domestic violence, and even excessive force. This course will provide students with an in-depth exploration of the role of occupational stress in criminal justice professions. Current research will be examined, and solutions will be explored and evaluated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer, Fall (even-numbered years)

CRM 357 Police Use of Force

In this course students will examine diverse viewpoints concerning police presence and use-of-force in urban communities, as well as the difference between necessary and excessive force. Students will explore perceptions and current research, as well as evaluate possible solutions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CRM 365 Criminal Procedure

Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.

This course critically examines the constitutional and other legal controls placed on the government's ability to collect evidence to be used in criminal proceedings. Special attention is given to Supreme Court decisions related to the issues of privacy, detention, arrest, searches, seizures, interrogations, confessions, wiretapping and eavesdropping, right to counsel, and protections against self-incrimination. Issues of officer liability are also addressed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 375 Current Issues in Corrections

Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.

This course addresses a selection of contemporary issues and controversies facing corrections officers and corrections agencies. Topics covered may include, but are not limited to, inmate-staff relations, inmate subculture, management issues, and reentry issues

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 376 Restorative Justice

The purpose of this course is to introduce students to the principles, values, and practices of restorative justice in a range of contexts related to the field of criminal justice. Students will explore the restorative philosophy through reading, research, reflective writing, and group discussion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

CRM 377 Inmate Voices: Examining the Effects of Incarceration

In this course students will attempt to reach beyond assumptions and expectations about the incarcerated by exploring the experiences and perceptions of prison inmates as expressed through their own writings. This course will deepen students' understanding of the effects and experience of incarceration on inmates, as well as their children, families, communities, and prison staff.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CRM 380 Criminal Justice Organizations and Management

Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.

This course provides an overview of organizational theory and administrative behavior in criminal justice agencies, and exposes students to the latest research and practices in criminal justice management and organizations. Effects of leadership decision-making, court cases, personnel policies, budgeting, and planning on the justice system are analyzed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 381 Crime Prevention

Students will be introduced to the theories and constructs of crime prevention and reduction. Techniques and policies currently being used will be evaluated. Strategies and case studies under Primary Prevention, Secondary Prevention and Tertiary Prevention will be evaluated. Innovative community programs will be highlighted through case study examination.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 382 Criminal Investigation

This course introduces students to the methods and practices involved in criminal investigations. Topics include but are not limited to rules of arrest and evidence, investigative leads and informants, interviews and interrogations, and strategies for solving various types of crimes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 383 Serial Killers

This course will educate and enlighten the student about serial killers, including, but not limited to identification, descriptions, motives, theories and typologies. Notorious serial killers from the United States and other countries will be discussed. Each student will learn the numerous definitions of serial killing with accordance to the research available and input from the FBI. Students will also become familiar with root causes of serial killing and explore the patterns of serial killing. Upon conclusion of the course, students will be able to define applicable terminology, comprehend and discuss serial killing, and to apply the concepts learned throughout the course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 396 Directed Readings in Criminology

Prerequisite: CRM 210 and permission of instructor.

Readings designed to introduce students to new material or to supplement material introduced in previous departmental courses. May be repeated to total of 6 hours if topic changes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CRM 397 Special Topics in Criminology

A variable topic course offering an overview of one or more issues related to criminology. May be repeated when topic changes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CRM 400 Conservation Law Enforcement

Conservation law enforcement and conservation officers occupy an important, yet often overlooked segment of the criminal justice system. The role and duties of conservation officers is unique among law enforcement. While conservation officers perform similar duties to traditional law enforcement officers such as order maintenance and law enforcement, the scope of those duties differs in several respects. This course will explore those differences through examining conservation law enforcement from a local, national and international perspective. Additionally, this course will examine the unique role of conservation officers within the larger criminal justice system, and within the smaller law enforcement community.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CRM 410 Women in Criminal Justice

Prerequisite: CRM 210 or permission of instructor.

Using theoretical guidance, students will explore the way that women's roles in the justice system - as offenders, victims, citizens, and workers - reflect their position in the wider society. Students will develop an understanding of theories explaining female offending and how the criminal justice system responds to illegal acts committed by women and girls as well as women's victimization and the criminal justice system response to their victimization. Students will examine the experiences of women working within the criminal justice system.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CRM 415 Difference and Diversity in Criminology

Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.

Students will examine how identities, such as race, class, and gender, impact criminal offending, victimization, and professionalism in the criminal justice system. Students will be encouraged to develop a deeper understanding of cultural competency and will conduct academic research in an effort to develop an understanding of the social and criminal justice related factors that create challenges to achieving cultural diversity and the ethical treatment of diverse groups.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 420 Comparative Criminal Justice Systems

Recommended Prerequisite: 45 hours. A comparative and historical study of the origins of law, crime rates, and the structure and operation of the criminal justice system in the United States as compared to other western and eastern nations. Included is the study of criminal and juvenile law, police, courts and the corrections system.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 425 Wrongful Convictions

Recommended Prerequisite: CRM 210 and 45 hours. This course is designed to provide students with an overview of criminal procedures leading to the wrongful conviction of alleged offenders. This will include an overview of the extent of wrongful convictions in the United States as well as the primary contributing factors of wrongful conviction. Students will also be exposed to potential policy changes and laws that have been made or suggested to reduce the incidence of wrongful convictions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 430 Victimless Crime

Recommended Prerequisite: CRM 210 and 45 hours. A sociological examination of attempts to legally control private behavior covering both historical and contemporary examples such as prostitution, drug use, homosexuality, and abortion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 435 Evidence

Recommended Prerequisite: 45 hours. This course critically examines the laws and rules of evidence at trial. Common law rules and the Federal Rules of Evidence are discussed, along with leading court cases.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 440 Foundations of Homeland Defense and Security

This course provides an overview of homeland security and defense undertaken in the United States since September 11, 2001. The course provides students with the generally accepted knowledge required of homeland security professionals.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 441 Fundamentals of Terrorism

This course provides an introductory overview of the challenges, perspectives and issues related to terrorism from both an international and a domestic perspective. Topics such as causes of terrorism, terrorist typologies, ideologies, tactics and strategies will be covered.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CRM 445 Victimology

Recommended Prerequisite: 45 hours. This course examines the characteristics of crime victimization as it relates to the various components of the criminal justice system. Students will develop a better understanding of the contextual relationship between victims and offenders, as well as the role of police, courts and corrections in the dynamics of crime victimization, as well as the physical, emotional and financial impact of crime.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 475 Community Corrections

Recommended Prerequisite: 45 hours. This course focuses on describing and evaluating the policies and initiatives used to monitor and treat criminal offenders sanctioned to community supervision. Community-based correctional programs and practices given special attention include probation and parole, work release, halfway houses, residential treatment centers, and diversionary programs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 477 Geographic and Spatial Analysis of Crime

Recommended Prerequisite: 45 hours. This course will provide an in-depth look at the history of our efforts to describe, understand, and respond to concentrations of crime across place and time. From early efforts in the 1800s to the most current research utilizing sophisticated computerized crime mapping, the questions of where, when, and why crime is most prevalent will be examined with a focus on how high-risk places and times can be addressed and prevented.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 480 The Gang Phenomenon

Recommended Prerequisite: 45 hours. In this course students explore the history of the gang phenomenon, the variety and types of gangs, reasons why gangs form, their structure, the functions they serve for their members and the social policies which have been developed to deal with gangs. Solutions to the gang phenomenon are also investigated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CRM 485 Drugs in Society

Recommended Prerequisite: 45 hours. An important social problem facing our society today is that of drug use/abuse. This problem cuts across all cultures, as well as across social class, sex, and racial groups. It affects the economy of the country as well as the image we, as a nation, project to other peoples. It is a political issue of not just national, but also international proportions. In order to understand this problem better, this course attempts to place "drugs" in a sociological perspective and through using the sociological imagination. Solutions to the drug problem are also considered.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 490 Internship in Criminology

Prerequisite: Criminology major, completion of 18 hours in the CRM major program, and permission of instructor

Prerequisite: Criminology major, completion of 45 hours in the CRM major program, and permission of instructor.

Faculty supervised experience in an agency related to issues of crime and justice. Students are expected to work 50 hours in the agency for each credit hour. Students must submit applications for CRM 490 no later than April 15 for subsequent summer (when offered) and fall enrollment, and November 1 for subsequent spring enrollment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Fall, Spring

CRM 495 Criminal Justice Ethics

Recommended Prerequisite: CRM 210 and 45 hours. This course will address ethical issues in the criminal justice system at both the theoretical and applied levels. Students will examine critical issues encountered by victims, offenders, and practitioners within the criminal justice system. Emphasis will be placed on ethical dilemmas in the police, court, and correction systems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 496 Senior Seminar in Criminology and Criminal Justice

Prerequisite: CRM 340; and Criminology major; and senior standing with 95 hours.

Students in this course examine ethical leadership and decision-making in criminal justice professions, explore career opportunities in criminal justice, and prepare for their transition out of the undergraduate program. Students also complete the department's exit exam, student exit survey, and a senior capstone paper that integrates knowledge and skills acquired throughout their major coursework. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 497 Special Issues in Criminology

Recommended Prerequisite: 45 hours. A variable topic course offering an in-depth analysis of one or more issues related to Criminology. May be repeated to a total of 6 hours when topic changes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CRM 580 Cybercrime

This course will provide the student with an overview of cybercrime and the offenders who commit the offense. It will explore the various types of cybercrime including internet pornography, harassment, fraud, and hacking. Legal issues regarding cybercrime will also be discussed. Methods of combatting cybercrime and assisting the victims of cybercrime will be presented.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered
3	3	0	Upon demand

CRM 597 Special Topics and Issues in Criminal Justice

Recommended Prerequisite: CRM 210 and 60 hours. A variable topic course examining issues of crime, its causes, as well as social and political responses to crime by various institutions including government, media, law enforcement, the courts, and corrections. Variable content course. May be repeated for a total of 6 hours if the topic changes. May be taught concurrently with CRM 697. Cannot receive credit for both CRM 697 and CRM 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CRM 641 Research Methods in Criminology and Criminal Justice

An overview of research design as applied to research on crime and justice. Topics include hypothesis formulation, sampling techniques, reliability and validity, survey construction, field observation, and evaluation research. May be taught concurrently with CRM 340. Cannot receive credit for both CRM 641 and CRM 340.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 657 Forensic Psychology: Child Abuse and the Law

Study of the legal issues related to child abuse and exploitation. Students will gain an understanding of the law pertaining to child cases and how interactions with children can bolster or diminish the quality of children's memory report as seen by the judicial system. The Greene County Prosecutor's Office will participate in the design of this course, thus the specific legal issues discussed will remain current and may change based on the needs of the community. Identical with PSY 657. Cannot receive credit for both CRM 657 and PSY 657.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 697 Special Topics and Issues in Criminal Justice

Prerequisite: permission of instructor.

A variable topic course examining issues of crime, its causes, as well as social and political responses to crime by various institutions including government, media, law enforcement, the courts, and corrections. Variable content course. May be repeated for a total of 6 hours if the topic changes. May be taught concurrently with CRM 597. Cannot receive credit for both CRM 597 and CRM 697 unless topic changes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CRM 701 Criminal Justice Policy

Prerequisite: admission to the MS in Criminology and Criminal Justice or Master of Professional Studies program with the Criminal Justice option.

This course takes a critical look at the construction, implementation, evaluation, and justification of a wide range of criminal justice policies and programs. Significant attention is given to methodological processes in determining policy and program effectiveness.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CRM 705 Applied Research in Criminal Justice

Prerequisite: admission to the MS in Criminology and Criminal Justice program and successful completion of an undergraduate or graduate research methods course.

This course provides students with the background and skills necessary to conduct sound and ethical research in their professional fields and successfully navigate through academic research relevant to guiding and improving criminal justice policy and practice. The capstone requirement consists of a mini-research proposal.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CRM 715 Leadership and Management in Criminal Justice

Prerequisite: admission to the MS in Criminology and Criminal Justice or Master of Professional Studies program with the Criminal Justice option.

This course familiarizes students with theories, issues, and innovations related to leadership and management in criminal justice settings. Students are exposed to techniques aimed at enhancing leadership and management capabilities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CRM 720 Crime Theory and Policy

Prerequisite: admission to the MS in Criminology and Criminal Justice or Master of Professional Studies program with the Criminal Justice option.

This course surveys various classical and contemporary theories of lawbreaking. The relationship between criminological theory and justice system policy is emphasized. A position paper on a theoretically-driven policy is required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CRM 730 Juvenile Justice

This course aims to stimulate and facilitate critical and reflective thought regarding the legitimacy and effectiveness of juvenile justice policy

This course aims to stimulate and facilitate critical and reflective thought regarding the legitimacy and effectiveness of juvenile justice policy and practice in the United States. Students analyze the mission and goals of juvenile justice systems, organizational design and managerial and staff roles, contemporary policies and programs, and methods of performance evaluation in juvenile agencies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 740 Foundations of Homeland Defense and Security

This course provides an overview of homeland security and defense undertaken in the United States since September 11, 2001. The course provides students with the generally accepted knowledge required of homeland security professionals.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 741 Cybercrime and Cyber terrorism

This course provides an in depth analysis of differences between cyber terrorism and cybercrime and the motivations that drive cyber criminals and terrorists. It also examines emerging strategies used by law enforcement and the private sector to respond to cyber attacks.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer, Upon demand

CRM 745 Topics in Homeland Defense and Security

A comprehensive and integrated homeland security and defense strategy must also include the full range of elected officials, first responders, the human, animal and plant health communities, business and our citizens. This course will examine the application, progress and problems of the development and implementation of a homeland security/defense strategy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 746 Global Criminology

This course explores how the traditional field of criminology is being transformed by forces of globalization.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 747 Policing Terrorism

This course examines the role of law enforcement in counter terrorism efforts in the United States. It explores law enforcement responses to terrorism from a critical, best-practices perspective and addresses controversial strategies employed by enforcement agencies responding to terrorism within the context of a democratic government.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 750 Law Enforcement and Community

This course addresses concerns and issues facing law enforcement agencies within a community context. Administrative implications of these subjects will also be addressed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 765 Legal Issues in Criminal Justice

This course introduces the student to the role of law and courts in the criminal justice system, with a particular focus on the relationship of the law to police investigatory procedures. Particular emphasis is placed on the role of the United States Supreme Court in interpreting the Fourth, Fifth, and Sixth Amendments. Current legal issues in criminal justice will also be examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 770 Correctional Theory and Practice

This course examines social control responses to lawbreakers including the exploration of classical and contemporary theories and philosophies that have guided American correctional policy, both institutional and community based. Management implications related to policy are addressed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 771 Contemporary Issues in Community Corrections

This course examines modern issues, problems, and practices facing the community corrections profession. A special emphasis is placed on exploring the challenges of interacting with specific types of offender populations, including mental health, substance abuse, and domestic violence offenders, in community and treatment contexts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

3	3	0	Spring

CRM 772 Applied Evidence-Based Practices in Community Corrections

This course reviews a range of research-informed policies, programs, and practices delivered to offenders in correctional settings to improve supervision and reduce recidivism. In addition to coverage of the relevant literatures, the course emphasizes hands-on applications of evidence-based practices through a variety of active-learning exercise.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CRM 773 Offender Thinking and Decision-making

This course explores how criminal offenders process and prioritize information when they encounter opportunities to violate supervision conditions and commit crime. Beliefs, values, and attitudes used to rationalize criminal behavior are also examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CRM 780 Gangs and Gang Policy

This course explores the nature and scope of street gangs and critically analyzes gang-control policies and programs. A variety of gang-related issues are discussed, including the problems inherent in defining the term "gang," the historical development and organizational structure of gangs, and gang origination, persistence, desistence, prevalence, and migration. In addition, proposed solutions to gang problems are analyzed by examining such policies and programs as gang databases, gang prosecution units, gang enhancement statues, and civil injunctions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 785 U.S. Drug Control Policy

This course provides a historical overview of the formulation, implementation and evaluation of U.S. drug control policy. The focus is on critically reviewing the cultural, social and political forces that have shaped our nation's drug control policies and assessing the research that has been conducted to evaluate the effects of such policies. Topics to be examined include prohibition, interdiction, eradication, legalization, law enforcement and military responses, effects on the criminal justice system, treatment, education and prevention.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CRM 790 Graduate Practicum in Criminology

Prerequisite: permission of instructor.

Faculty supervised experience in a criminology-related agency. Students are expected to work 45 hours in the agency for each credit hour. The practicum includes academic reflection on work experience at the agency. May be repeated for up to 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

CRM 796 Independent Study in Criminology and Criminal Justice

Prerequisite: admission to the MS in Criminology and Criminal Justice or the Master of Professional Studies program with the Criminal Justice option; and permission of instructor.

Faculty supervised independent research directed by a member of the department graduate faculty. May be repeated to a maximum of six hours when the topic varies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

CRM 797 Policy Analysis Capstone

Prerequisite: completion of 27 hours in the MS in Criminology and Criminal Justice program, including the completion or concurrent enrollment in CRM 701, CRM 705, CRM 715 and CRM 720; and permission of a graduate faculty member.

This capstone experience requires an in-depth analysis of a specific criminal justice policy with an emphasis on demonstrating an understanding of the policy (including its historical background and current applications), specifying strengths and weaknesses, and offering suggestions for future research and improvement of the policy. This course should be taken the last semester of coursework.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 798 Thesis I

Prerequisite: completion of or concurrent enrollment in CRM 701, CRM 705, CRM 715, and CRM 720; and permission of graduate thesis committee following the successful defense of an initial concept paper.

This phase of the thesis process requires the completion and successful defense of a thesis prospectus, including statement of the problem, literature review, and methodology sections.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CRM 799 Thesis II

Prerequisite: completion of or concurrent enrollment in CRM 701, CRM 705, CRM 715 and CRM 720; and approval of thesis prospectus by the student's thesis committee.

This phase of the thesis process calls for the collection, analysis, and interpretation of data and the development of final conclusions and implications. The final product must be successfully defended in front of the thesis committee.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

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Missouri State

Office of the Registrar
Undergraduate Catalog

Criminology

Major(s)

Criminology (Comprehensive) (BA)

Bachelor of Arts

A. General Education Program and Requirements
B. Major Requirements (45 hours)
    1. Required Lower Division Core (15 hours): CRM 210(3), 220(3), 250(3), 260(3), 270(3). All must be completed before enrolling in required courses at the 300 level and above.
    2. Required Upper Division Core (18 hours): CRM 330(3), 340(3), 365(3), 380(3), 415(3), 496(3).
    3. Complete 12 additional hours in CRM courses numbered 300 and above.
        a. Can take multiple 1 hour CRM courses at the 300 level to partially satisfy the 12 hours of elective courses requirement.
        b. Can take 3 hours of CRM 490 to partially satisfy the 12 hours of elective courses requirement. Additional CRM 490 hours may be taken, but cannot be counted towards the upper division CRM electives requirement.
    4. Public Affairs Capstone Experience will be fulfilled by completion of CRM 496(3).
C. Specific Bachelor of Arts Degree Requirements
D. General Baccalaureate Degree Requirements

Criminology (Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements (45 hours)
    1. Required Lower Division Core (15 hours): CRM 210(3), 220(3), 250(3), 260(3), 270(3). All must be completed before enrolling in required courses at the 300 level and above.
    2. Required Upper Division Core (18 hours): CRM 330(3), 340(3), 365(3), 380(3), 415(3), 496(3).
    3. Complete 12 additional hours in CRM courses numbered 300 and above.
        a. Can take multiple 1 hour CRM courses at the 300 level to partially satisfy the 12 hours of elective courses requirement.
        b. Can take 3 hours of CRM 490 to partially satisfy the 12 hours of elective courses requirement. Additional CRM 490 hours may be taken, but cannot be counted towards the upper division CRM electives requirement.
    4. Public Affairs Capstone Experience will be fulfilled by completion of CRM 496(3)
C. General Baccalaureate Degree Requirements

Minor(s)

Criminology

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

Bachelor of Social Work

A. CRM 210(3) and 220(3)
B. Complete 12 additional hours in any CRM courses.

Accelerated graduate program in Criminology and Criminal Justice

Eligible Missouri State undergraduate students may apply for admission to the Criminology and Criminal Justice program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Conservation Law Enforcement Certificate

Conservation Law Enforcement

This certificate is jointly offered by the Department of Criminology and Criminal Justice and the Department of Biology and is designed to provide students with the fundamental knowledge needed to pursue a career in conservation law enforcement. Students who complete this certificate will better understand the interdisciplinary nature of conservation law enforcement and the interdependent relationship between criminological and biological principles in this unique law enforcement field.

This certificate is administered by the Department of Criminology and Criminal Justice.

Program requirements (18-19 hours)

A. Recommended Elective: BIO 121(4); or BIO 101(3) and 111(1)
B. CRM 210(3), CRM 365(3), CRM 400(3), BIO 122(4), BIO 373(3)
C. Select one of the following to complete at least 18-19 hours: BIO 532(3),561(2), 573(3), 575(3), 576(3)
D. All candidates must satisfy the General University Certificate Requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Criminal Investigation Certificate

Criminal Investigation

This certificate is jointly offer by the Department of Criminology and Criminal Justice and the Department of Psychology. The certificate is designed for students interested in pursuing criminal justice careers that require investigatory skills. The curriculum covers fundamental investigative principles and strategies, the application of forensic science techniques to case solving, and motivating factors underlying criminal behavior. Students will understand how arrest procedures, rules of evidence, leads and informants, and witness interview and suspect interrogation are integrated into the criminal investigation process.

This certificate is administered by the Department of Criminology and Criminal Justice.

Admission requirements

Completion of at least 60 hours and a GPA of 2.50 or higher.

Program requirement (15 hours)

1. Core Courses (9 hours): CRM 314(3), CRM 336(3), CRM 382(3)
2. Select six 6 hours from the following: ANT 363(3), CRM 333(3), CRM 334(3), CRM 335(3), PSY 505(3), PSY 525(3)
3. All candidates must satisfy the General University Certificate Requirements.

Completion requirements

Attain a GPA of 2.50 or higher for courses used to fulfill the certificate requirements.

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Undergraduate Catalog

Terrorism and National Security Certificate

Terrorism and National Security

This certificate is jointly offered by the Department of Criminology and Criminal Justice and the Department of Political Science. The certificate is designed to provide students interested in careers related to counterterrorism and national defense with a critical understanding of causes of terrorist activity, recruitment and organizational strategies, and policies and practices aimed at strengthening homeland security. Students are exposed to a range of current issues from both national and global perspectives.

This certificate is administered by the Department of Criminology and Criminal Justice

Admission requirements

Completion of at least 60 hours and a GPA of 2.50 or higher.

Program requirements (15 hours)

1. National Defense Requirement (3 hours): PLS 301(3) or CRM 440(3)
2. National Terrorism Requirement (3 hours): CRM 326(1), CRM 327(1), and CRM 328(1)
3. Global Terrorism Requirement (3 hours): PLS 546(3) or HST 504(3)
4. Select six hours from the following: CRM 332(3), CRM 580(3), HST 334(3), PLS 443(3)
5. All candidates must satisfy the General University Certificate Requirements.

Completion requirement

Attain a GPA of 2.50 or higher for courses used to fulfill the certificate requirements.

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Missouri State

Department of Defense and Strategic Studies

Programs

Graduate

Countering Weapons of Mass Destruction (Certificate)

Defense and Strategic Studies (MS)

Defense and Strategic Studies (Certificate)

Courses are offered toward the option in Homeland Security and Defense within the Administration Studies program (MS)

General Information

The Department of Defense and Strategic Studies is located in Fairfax, VA and provides professional, graduate-level education in national security policy; cyber security; WMD proliferation; international terrorism; military operations; global security challenges; foreign policy; arms control; missile proliferation; international security affairs; defense policy analysis, planning and programs; and intelligence analysis.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Defense and Strategic Studies Faculty

Professor

Robert G. Joseph, PhD

Instructor

Andrei Y. Shoumikhin, PhD

Emeritus faculty

Keith B. Payne, PhD

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Missouri State

Defense and Strategic Studies Courses

Defense and Strategic Studies (DSS) courses

DSS 601 Seminar on Nuclear Strategy and Arms Control

This seminar examines the development of U.S. nuclear deterrence theory and policy. The seminar will study the strategic nuclear balance, including specific problems and programs, and the strategic doctrine, concepts, and objectives of the nuclear powers. Nuclear arms control, including the processes of decision making and negotiating, will be examined, with an emphasis on comparing theory and practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

DSS 630 International Law and Global Security

This is a survey course designed to introduce students to the core principles and defining features of the international legal system, and to the changing role of international law in contemporary national and global security. Emphasis will be placed on the applicability of international law to armed conflict, counterterrorism, and containing the spread of weapons of mass destruction.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

DSS 631 International Negotiations

This course combines the basics of negotiation theory and the examination of select international negotiation case studies with three practical "hands-on" negotiation exercises. It will explore various techniques for diagnosing the structure of a negotiation and identifying potential barriers to agreement. Case studies considered include: Negotiation of 1994 Framework Agreement with North Korea, George Mitchell's mediation in Northern Ireland resulting in the Good Friday Accords, the secret Oslo discussions leading to Israeli recognition of the PLO, The Louisiana Purchase, the Congress of Vienna, the Panama Canal negotiations, and the Egyptian-Israeli Armistice. The course is conducted as a series of interactive seminars including three simulated negotiations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 632 Seminar on International Security Affairs

Examines international and regional security problems and policies from both a regional and global perspective. It treats strategies and security problems from a broader viewpoint than the Seminar on Strategy and Arms Control, covering national interests, alliance relationships, intervention, regional threats, and the security problems of other states, including China and Russia.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

DSS 633 Analysis of International Security Politics

This course deals with the methods and techniques of collecting and assessing information for use in the study of international security politics, problems, and policies. It explores the measures of relative power among nations and the manner in which such power or lack of it shapes the capability of a nation effectively to act in the international sphere.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 634 The Geopolitics of Conflict and Accommodation

The application of the techniques and understanding lent by the geography to the illumination of the physical and social environment in which politics, strategy, and war take place. The relationship among geography, strategy, and politics is studied through the examination of both historical and contemporary circumstances where geography has intruded on politics or politics on geography. Students will be introduced to the geopolitical concepts of sea power, land power and air power, and these concepts will be critiqued in light of recent technological changes in warfare.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 700 Strategy and U.S. Defense Policy

This course provides an examination of the basic concepts and issues of strategy, deterrence, defense, and arms control, and an overview of American defense policies, programs, and problems since World War II. Comparative strategic concepts, policies, and objectives are covered. Proliferation and measures of counter-proliferation, including arms control are examined on an introductory basis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

DSS 702 Seminar on Regional Security Problems

This seminar provides an advanced and in-depth analysis of selected contemporary regional security problems outside of Western Europe. It focuses on a few critical conflict situations, analyzes threats to regional and to U.S. interests, and examines alternative strategic policies and actions, including military force requirements, for the states involved.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 703 Science, Technology, and Defense Policy

This course will cover four broad topics important to advanced work in DSS: basic principles and applications of defense science and technology; such as nuclear weapons effects, ballistic missiles, and strategic defenses; the influence of science and technology on defense programs and policies; the role of the scientific and technical community in defense policy; and current issues of defense science and technology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

DSS 704 Arms Control: Theory and Practice

An examination of contending arms control theories and concepts as tested by postwar and contemporary experience, bilateral and multilateral. There will be in-depth analysis of American and Russian approaches to arms control, as well as consideration of the arms control policies of other states. The course will study scientific and technical problems in arms control, including those of R and D, testing, production, and deployment; arms negotiations, and issues in verification and compliance.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

DSS 705 NATO Security Issues

After an examination of the history of NATO policies, defense policies, and security issues, emphasis will be placed on analysis of current NATO security problems and options, including specific military defense alternatives. The individual security policies of the U.S., UK, FRG, and France will be studied, along with problems on the northern and southern flanks, and policies for outside-NATO-area security problems. Literature on the future of NATO would be included.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

DSS 706 Russian Military Strategy

The first part of this seminar will review and study Soviet military policy, doctrine, strategy, and programs from the 1950s through the 1980s. It will consider problems of identifying, interpreting, and analyzing Soviet strategic policies and programs - in essence, problems of U.S. intelligence and threat assessment. The second part of the seminar will extend this study to Post-USSR Russia and current directions of Russian strategic policy both for territories of the former USSR and beyond. Particular emphasis will be placed on military reform, continuity and change in military policy, and the status and role of the Russian military forces.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Upon demand

DSS 707 Seminar on Congress, National Security, and Weapons of Mass Destruction

Advanced research, study, and analysis of defense programs, policies, and the policy and budget processes, both within the Congress and the Department of Defense. Included also will be the comparative analysis of various studies, analyses, and critiques of U.S. defense programs and plans, and of regional and global WMD capabilities. Department of Defense administration and organization will also be studied.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

DSS 708 Seminar on Contemporary Security Issues in Russia

This seminar addresses on an advanced level current developments in Russia and other states of the former Soviet Union as they bear on issues of national and international security and on U.S. security policy-making. The approach will combine analysis of internal developments related to military power and policy, and of evolving international policies, with strategic and geopolitical analysis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 709 Seminar on Space Policy and Security

This course examines the extent to which spacepower doctrine, concepts, and operations influence national security strategy and international security. It identifies key space policy issues facing the United States and places them in the larger context of technological advances and a changing international strategic environment. The course will briefly examine the historical and policy foundations for the U.S. and international space programs and activities, including space policy evolution and international space law and treaties. It will then address current issues facing U.S. space programs, including efforts to reorganize national security space activities, and current international efforts to develop "rules of the road" for space activities. The course will also address strategic choices facing other nations in space capabilities, including continued dependence on U.S., European, and Russian space capabilities, developing indigenous space programs, and reliance on commercial space capabilities. Conflicts over dual-use technologies, such as space launch, remote sensing, satellite navigation, and communications, will be examined for their implications for such topics as spectrum management, and more broadly, for international security. Students will have an opportunity to apply insights gained from their readings and class discussion in a future wargame that includes both space and terrestrial crises and involves student team of players.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 710 Seminar on International Terrorism and Security

DSS 710 Seminar on International Terrorism and Security

This seminar will attempt to define and examine security issues related to terrorism and low-intensity conflict today. The origins of modern terrorism will be explored and terrorism will be put in the context of a strategy to achieve political ends. Case studies of terrorism in various regions, e.g., the Middle East, Europe and the United States, will show some of the current empirical evidence of global terrorist activities. The impact terrorism has on liberal societies and their ability to defend themselves will be examined in the context of counterterrorism strategies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 711 The Rise of the United States to Preeminence

This course will discuss the political development of the United States and its rise to great power, and then superpower status. Students will study a number of major U.S. wars and the political circumstances surrounding those conflicts. The course will address why the United States successfully developed into a world power and how its grand strategy changed over time. It will ask what lessons today's strategists can draw from the experiences of their predecessors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 712 American National Security Policy

This course evaluates the major actors and components of American national security policy. America's traditional national interests are studied--accenting World War II, the Cold War, and the present day. The course also addresses the circumstances of major foreign policy crises, such as the Cuban Missile Crisis, and the causes of successful and unsuccessful American interventions during the Cold War and after. Additionally, it considers America's foreign and defense policy in the post-Cold War world, and particular emphasis is placed on American policies toward other great powers such as China, Japan, and Russia, as well as in contemporary foreign and defense policy crises such as the war on terrorism.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 713 Intelligence, Counterintelligence, and Covert Action

This course examines the role of intelligence and counterintelligence in the formulation and execution of state national security policies in democratic governments, and the impact of intelligence operations on international relations. The intelligence process is examined including the problems and opportunities associated with targeting or the tasking of intelligence agencies, the media of intelligence collection, the difficulties of analysis and evaluation, and counterintelligence. Additionally, covert action and paramilitary activities are studied with emphasis on the manner by which successes and failures have influenced military and foreign policy outcomes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

DSS 714 Seminar on Strategic Thought

There is a rich literature on strategy and warfare, and even the oldest surviving works on strategy are arguably relevant to contemporary political leaders. This course will examine the ideas of strategic thinkers who lived in historical periods ranging from the ancient world to the present. Students will read works by (and in some cases, about) such figures as Sun Tzu, Niccolo Machiavelli, Napoleon Bonaparte, Baron Antoine Henri de Jomini, Carl von Clausewitz, Thucydides, Thomas Schelling, and Herman Kahn. Students will discuss how these thinkers have influenced strategic studies, and how military-strategic thought has developed over time.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 715 Grand Strategy

This seminar examines the role of grand strategy in international security. Emphasis is placed on the nature and role of grand strategy, and the major systemic and domestic factors that influence grand strategy. The nature of grand strategy will be introduced historically, and the grand strategies of the major world powers prior to and during World Wars I and II, the Cold War, and post-Cold War period, will be studied.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 716 Understanding Military Operations

This seminar delineates selected past, current, and future sea, air, space, and land conflicts into their constituent parts in order to examine the interaction of political objectives and military doctrine. It will specifically seek to explore how the political objectives and military doctrine influence technological development and military innovation. To meet these objectives, the seminar will examine a variety of international political and doctrinal problems that have had a major impact on American national security policy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

DSS 717 Small Wars, Imperial Conflicts, and Guerrilla Warfare

This seminar examines some of the many forms of warfare that differ from "symmetrical" conflicts between great powers, with special attention to how great powers fight such wars and why they succeed or fail in bringing them to a satisfactory conclusion. Students will read a variety of literature written by authors such as C. E. Calwell, Victor Davis Hanson, and Colin Gray, as well as insurgents such as Che Guevara. The class will include a number of historical case studies, with an emphasis on the nineteenth, twentieth, and twenty-first centuries.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 718 Causes of War

This seminar explores the causes of warfare through the lens of human evolution, psychological approaches, economic system, ideology, and the international system, with the intention of understanding the strengths and limitations of each level of analysis. From that foundation

and the international system, with the intention of understanding the strengths and limitations of each level of analysis. From that foundation, the seminar applies each level of analysis to the study of the origins of particularly significant wars: the Peloponnesian, Crimean, Seven Years', Korean, and Vietnam Wars, as well as World War I and World War II.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 719 Strategic Culture

Provides an introduction to using strategic culture as an analytical approach to understanding the cultural, religious, historical, and leadership sources of state and non-state actor behavior, with special reference to issues related to weapons of mass destruction. The concept of strategic culture captures domestic sources of state behavior, and offers an alternative or supplemental explanatory framework to the prevailing realist and constructionist theories of international relations. Examines the cultural context for applying theories of deterrence and dissuasion, and will involve a survey of thinking and analysis on strategic culture. from both theoretical and policy perspectives, as well as an exposure to the framework and methodology of strategic cultural analysis. Several key strategic cultures will serve as case studies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

DSS 720 Internship Training in DSS Policy

Prerequisite: permission of instructor and acceptance by employer.

Internship experience and training in defense and arms control policy making with a U.S. Government department or agency, a Washington, D.C., based defense policy research institute, or institution of comparable professional experience, including preparation of a written report or research paper based upon the internship. May be repeated to a maximum of 6 hours toward degree. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-6			Fall, Spring, Summer

DSS 721 Missile Defense, Proliferation and Contemporary Warfare

Examines the role of missile defense in the national security policies, programs, and military doctrines of the United States. Emphasis on exploring the evolution of missile defense within the broader context of contemporary American deterrence and defense policy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

DSS 722 Emerging Strategic Challenges

For the purpose of this seminar, strategic challenges are defined as those emerging trends or security threats--political, economic, or military--that could fundamentally alter the present pattern of interstate relations or the core principles of U.S. foreign and defense policy. Examples include a possible cascade of proliferation resulting in 20 or 30 nuclear-armed states, a single terrorist with a nuclear weapon, or a

resurgent Russia or ascendant China rising to a level of a peer competitor of the United States. Seminar reading and discussions will focus on: 1) Examining the causes, effects, and responses to these potential strategic challenges, especially the spread of weapons of mass destruction to state and non-state actors, both terrorists and enablers such as the A.Q. Kahn network; 2) Assessing assumptions, policies and capabilities for dealing with these challenges and how the concept of dissuasion, deterrence, and defense must adapt to the new security environment; and 3) Exploring how best to hedge against strategic uncertainties and how best to shape the future of the nuclear enterprise to promote the expansion of nuclear energy globally while reducing the risks of proliferation. 3-0) F

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

DSS 723 Counterproliferation

Explores the challenges posed by nuclear and biological weapons in the hands of state and non-state actors. Students will investigate why various actors pursue these weapons, why some give them up, why others refuse to give them up, and the assorted instruments of national power that may be employed in the development of a national strategy to combat these weapons. Students will consider both the national security and homeland security aspects of these challenges. The subject matter will provide a vehicle for refining critical analytical skills; both verbal and written. The course will stress the refinement of each student's analytical and problem solving abilities as part of their development as national security strategists.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 724 Leadership in National Security Policy

Addresses the issue of national security policy leadership. Students will investigate the critical topics, including the components of good leadership, and the consequences of leadership failures. Speakers from the national security community will participate in order to explain the leadership challenges they faced in their careers. The subject matter will provide a vehicle for refining student leadership skills as part of their development as national security strategists.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

DSS 725 Seminar on Instruments of State Power

Instruments of state power encompass a broad range of tools--diplomatic, economic, intelligence, scientific and military--at the disposal of the state in the formulation and implementation of national security policy. Understanding the foundations, applications, and integration of these instruments is essential for the successful practitioner or scholar of security affairs. This seminar will focus on the individual instruments of U.S. power and their interrelationships in the conduct of foreign and defense policy. The class will employ case studies to assess the role of these instruments and the success and failure of their application.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

DSS 726 Chinese Military Power

This course focuses on the rising military power of China (its motivation and implications), Chinese objectives in Asia and their relationship to its military buildup, the impact of the Chinese military buildup on the military and deterrence requirements of the United States and our Asia Allies, the prospect and outcome of a military confrontation between China and Taiwan, including potential involvement of the United States and, in light of the potentially catastrophic consequences of a major war in the Far East, issues relating to the deterrence of China. The focus of the course will be on relatively recent developments--1990 to the present because of the dramatic shift in Chinese military capabilities, doctrine and objectives during this period.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 727 Chemical and Biological Warfare: Global and Community Perspectives

This course will help the student develop a global perspective on factors that may lead to the development and deployment of weapons of mass destruction, specifically the chemical and biological warfare agents. The introduction will consist of a history of the use of chemical and biological warfare, both on the traditional and the asymmetric battle fields. The biology and toxicology of the agents will be presented at a basic level sufficient to understand the development of use of countermeasures. Community preparedness in the form of immunizations, prophylaxis, and facility hardening will be addressed, followed by presentations on community risk analysis, response planning and decontamination of personnel and facilities. Class discussions will include (1) the role different national agencies (DoD, Homeland Security, state governments, etc.) play in protecting the populace (2) the effectiveness of recent homeland security efforts toward protecting communities from the effects of chemical and biological warfare agents (3) and global developments in religion and politics which impact the potential use of chemical and biological warfare, including globalism and jihadism. This course will be taught completely online.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

DSS 728 Terrorism: Advanced Research Topics

Prerequisite: DSS 710 and permission of instructor.

An intense, research-based exploration of terrorism problems, patterns, and trends as these confront societies and governments in key regions of the globe, especially North America, Latin America, Western Europe and the Maghreb.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 737 Advanced Studies in Chemical and Biological Warfare

Prerequisite: DSS 727.

This course builds on elements of DSS 727, Chemical and Biological Warfare: Global and Community Perspectives. The purpose of the course is to allow the student an opportunity to delve more deeply into a specific aspect of the field that is of great interest to the student. Subjects that were covered in the earlier course that might be considered for in-depth review include decontamination, pertinent treaties and conventions, weapons monitoring, dangers presented by industrial chemicals, and historical analysis of the use of chemical/biological weapons. Additional topics that might be considered are the natural epidemiology of diseases like tularemia, plague or anthrax, or risk

assessments for potential chemical/biological weapons used by specific nations or sub-national groups. Each student will choose a separate subject to explore.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 740 Ethics of Weapons of Mass Destruction

This seminar examines the wide-ranging moral issues associated with weapons of mass destruction (WMD). It highlights the key moral dilemmas associated with the decision to develop, acquire, maintain, employ, or dispose of WMD. It situates WMD moral discourse in the context of both standard ethical paradigms pertaining to the conduct of individuals in society as well as those paradigms associated with the regulation of violence in armed conflict, in both their theoretical and practical dimensions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 794 Active In Research

Students who have completed all course work and are only working on their research component may register for this course. The course is assessed a $600 supplemental course fee and allows the following: access to the library including online services, access to computer services and Missouri State email, and scheduled meetings and access to DSS professors. Course is for zero credit hours and is graded "P" (pass) or "W" (student discontinues participation in the course and is dropped from the course).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0	0	0	Fall, Spring, Summer

DSS 795 Seminar: CWMD Graduate Fellows Colloquium

Prerequisite: permission of instructor and active U.S.

security clearance. This is the capstone course of the National Defense University (NDU) CWMD Fellowship Program. Its purpose is to provide (NDU) CWMD Fellows occasion to: interact with other CWMD Fellows at the classified level; reflect upon and synthesize broad themes encountered in program course work; appreciate the complexities associated with DoD's CWMD challenges in an interagency context; and acquire unique professional tools that will facilitate their success as CWMD practitioners in the United States government.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

DSS 796 Directed Reading and Research in Defense and Strategic Studies

Prerequisite: permission of instructor.

Individually tailored directed readings or research for bibliographical purposes; for improvement of research skills; for the purposes of a broader background of knowledge (e.g., in areas not covered by seminars, such as classical writings on strategy, and on the art of warfare historically or in the American experience); for more depth in selected areas of specialization; and/or to help meet the non-thesis MS degree

research requirement. May be repeated to a maximum of 9 hours toward degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-9			Fall, Spring, Summer

DSS 797 Special Topics

Special topics may be offered as specific important issues, which are not adequately covered by regular seminars, arise; when Distinguished Guest seminars and work-shops can be planned ahead of time; or when visiting faculty wish to offer specialized courses not in the curriculum. May be repeated to a maximum of 6 hours, as topics change.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-6			Upon demand

DSS 798 Seminar on Contemporary Defense Issues

This seminar will address important contemporary defense and international security issues and may be offered to develop areas of study that are insufficiently covered by regular seminars, or when distinguished guest faculty or speakers wish to offer a specialized seminar not provided by the curriculum. May be repeated to a maximum of 6 hours, as topics change.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

DSS 799 Thesis

Prerequisite: completion of DSS course requirements for MS degree (30 hours minimum).

Independent research and study connected with preparation of thesis. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Fall, Spring, Summer

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Missouri State

Department of Economics

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Undergraduate

Economics (BA, BS, Minor)

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Missouri State

Economics Faculty

Professors

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David M. Mitchell, PhD

Mahua B. Mitra, PhD

Reed N. Olsen, PhD

Assistant professors

Haydory A. Ahmed

Subhasree Basu Roy, PhD

Timothy J. Flannery, PhD

Siyu Wang, PhD

Senior instructor

Julie H. Gallaway, PhD

Instructor

John S. Rabon, MA

Emeritus faculty

Joe A. Bell, PhD

Larry G. Cox, MA

John T. Hoftyzer, PhD

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Doris F. Sheets, PhD

Allan D. Stone, PhD

Elizabeth E. Topping, PhD

E. Dale Wasson, PhD

Thomas L. Wyrick, PhD

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Economics Courses

Economics (ECO) courses

ECO 101 Economics of Social Issues

Prerequisite: 12 hours.

General Education Course (Focus on Public Issues).

This course focuses on understanding and analyzing major contemporary social issues such as globalization, pollution, poverty, income distribution, taxes, social security, the appropriate role of government, etc. Students will be introduced to the basic tools of economics so that they can develop a general framework within which a variety of political, social and economic issues can be analyzed. Issues will be discussed from a national, regional and local perspective.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Upon demand	ECON 100 - Introduction to Economics.

Access the CORE 42 portal

ECO 155 Principles of Macroeconomics

General Education Course (Focus on Social and Behavioral Sciences).

This course prepares the student to understand the economic structure of the United States and its place in the world economy, to interpret common economic measures, to understand the processes of governmental fiscal and monetary policies, and to evaluate individual decision-making from an economic perspective.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	ECON 101 - Introduction to Macroeconomics.

Access the CORE 42 portal

ECO 165 Principles of Microeconomics

General Education Course (Focus on Social and Behavioral Sciences).

Basic principles of economics with a particular emphasis on the nature and application of those bearing on decision making within a household, firm or industry; including consideration of problems respecting the composition and pricing of the national output, distribution of

household, firm or industry, including consideration of problems respecting the composition and pricing of the national output, distribution of income, pricing and output of factors of production and foreign trade.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	ECON 102 - Introduction to Microeconomics.

Access the CORE 42 portal

ECO 300 Service Learning In Economics

Prerequisite: 30 hours, concurrent registration in an Economics course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in Economics to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

ECO 302 Economic Analysis for Investors

Prerequisite: ECO 155 or ECO 165, and completion of mathematics general education requirement.

This course examines economic principles used by investors and financial reporters. Concepts are drawn from several fields of economics including microeconomics, macroeconomics, money and banking, labor economics, and international economics. Students will participate in a stock market game, make in-class presentations and conduct internet research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 304 Behavioral Economics

Prerequisite: ECO 165.

This course serves as an introduction to behavioral economics. Behavioral economics uses more psychological and biological foundations than traditional neoclassical economics. The course explains why individuals often systematically deviate from neoclassical predictions and utilizes alternative models that more accurately describe human behavior.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ECO 305 Money and Banking

Prerequisite: ECO 155.

Nature and functions of money, a survey of the operation and development of the banking system in the U.S.; introduction to monetary theory and policy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 310 Labor Economics

Prerequisite: ECO 155 and ECO 165.

Factors determining the market for labor; examination of the economic effects of trade unions; recent trends in the labor force and the labor share of national income.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 314 Game Theory

Prerequisite: ECO 165.

This course serves as an introduction to game theory, the study of strategy. The field has applications in economics, business, military strategy, political science, sports, biology, and poker. Possible topics include games vs. decisions, dominance, Nash equilibrium, and others.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ECO 315 The Economics of Gender

Prerequisite: ECO 165.

This course teaches students to analyze the economic decisions made by both males and females in two main areas: the labor market and the household. Specific areas of inquiry include the following: the family as an economic unit, gender differences in labor force participation, occupational gender segregation, explanations for gender earnings differentials and efforts to reduce such differentials, gender earnings discrimination, and international gender issues. Identical with GST 315. Cannot receive credit for both ECO 315 and GST 315.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 316 Sports and Entertainment Economics

Prerequisite: ECO 165.

Microeconomic tools used to examine a wide variety of topics pertaining to the sports and entertainment industry such as monopoly and monopsony market structure, labor market issues including free agency and salary caps, and public policy concerns involving the impacts of

monopsony market structure, labor market issues including free agency and salary caps, and public policy concerns involving the impacts of

sports and entertainment on the economy. Also includes an examination of the economics of various forms of media and entertainment including movies, cable, music, amusement parks, and casinos.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 320 American Economic History

Prerequisite: ECO 155 or ECO 165; HST 121 or HST 122.

An examination of economic conditions and policies in America's past. Selected events are analyzed using principles drawn from economic theory, including: U.S. economic development, the origins of antitrust policy, and the New Deal.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 345 Asian Economies

This course addresses the rise to significance of the Asia-Pacific region in the world economy. This region of the world is typified by a delicate balance between governments and business interests, which accounts for their diverse development trajectories. This course will study how these countries have transformed themselves from peasant societies into industrial powerhouses and how they have continued to achieve growth rates several times higher than the advanced nations of the West over a period of time.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 346 International Economic Development

Prerequisite: ECO 155 and ECO 165.

Theory of economic growth and development, with emphasis on developing economies and the techniques for understanding and promoting development.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ECO 365 Intermediate Microeconomics

Prerequisite: ECO 165 and completion of mathematics general education requirement.

Maximizing behavior of households and firms; theory of price and output determination under various market structures; distribution theory; introduction to general equilibrium analysis.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Fall

ECO 385 Intermediate Macroeconomics

Prerequisite: ECO 155 and completion of mathematics general education requirement.

The study of macroeconomic theory and policy. Models are developed which provide a framework for the discussion of macroeconomic issues and the policy choices decision makers face.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ECO 396 Directed Readings in Economics

Prerequisite: QBA 237 or equivalent; and ECO 365 and ECO 385; and 75 hours.

Readings and written reports in the area of particular interest to the student with the consent and guidance of the instructor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ECO 397 Studies in Economics

Specific subject matter will change from semester to semester, depending on the interests of professors and students. Variable content course. May be repeated to a maximum of 6 hours, as course topics change.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ECO 399 Cooperative Education in Economics

Prerequisite: acceptance into the Cooperative Education Program, 12 hours of economics and permission of the department head.

To enable qualified students to apply theoretical constructs and analytical techniques in a supervised work environment. This course cannot be credited toward a major in economics if the student has completed a total of three or more credits in either ECO 396, or cooperative education in another discipline.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ECO 409 Applied Econometrics

Prerequisite: QBA 237 or equivalent.

Students will learn simple regression and multiple regression analysis. Additional topics include model building, cross sectional and time series analysis, as well as related topics. Students will be required to engage in original research using the principles taught in the class and to write their research into a research paper. Public Affairs Capstone Experience course. May be taught concurrently with ECO 609. Cannot receive credit for both ECO 409 and ECO 609.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ECO 425 Industrial Organization

Prerequisite: ECO 165 and completion of mathematics general education requirement.

Theory and public policy concerning the structure, conduct and performance of U.S. industries. Primary emphasis is on oligopolies and monopolies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 435 The Economic Analysis of Law

Prerequisite: ECO 165.

Microeconomic theory is used to analyze the law and legal procedures. Although one purpose of the law is to resolve disputes between individuals, this course will focus on analyzing the incentives that the law gives rational individuals. Economic models are applied to four basic areas of law: property, contract, tort (accident), and criminal law. In addition, economic models are applied to the formation of the law and to legal institutions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 450 Urban and Regional Economics

Prerequisite: ECO 155 and ECO 165.

Study of economic forces determining the location of businesses and consumers, and the size, shape, and changes in market areas/cities/land use. Also application of techniques of economic impact analysis to location decisions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ECO 456 Comparative Economic Systems

Prerequisite: ECO 155.

Study of the basic principles and institutions of national economies with an emphasis on capitalist, socialist, and mixed economic systems. A comparison of economic systems in various nations and of economies in transition to an increasingly globalized environment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 473 Mathematical Methods for Economics I

Prerequisite: ECO 155 and ECO 165.

Recommended Prerequisite: ECO 365; and MTH 261 or MTH 285 or equivalent. Development and application of mathematical techniques to economics. May be taught concurrently with ECO 673. Cannot receive credit for both ECO 473 and ECO 673.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 475 Managerial Economics

Prerequisite: ECO 155 and ECO 165.

Application of economic analysis to decision making in business management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ECO 492 Program Assessment

Prerequisite: permission.

Recommended Prerequisite: senior standing. Required assessment of undergraduate economics program. All students majoring in economics are required to enroll in this course during their senior year and complete the Test of Understanding of College Economics (TUCE), an assessment survey, and an exit interview. The focus is on program assessment and development rather than on individual student evaluation. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0			Fall, Spring, Summer

ECO 504 Health Care Economics

Prerequisite: ECO 165.

A basic study of the economics of the health care market. Microeconomic theory is applied to the analysis of health care issues. Attention

will be given to empirical studies of health care economics. Identical with HCM 504. Cannot receive credit for both ECO 504 and HCM 504. May be taught concurrently with ECO 604. Cannot receive credit for both ECO 604 and ECO 504.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ECO 508 Intermediate Econometrics

Prerequisite: ECO 409.

Examination of the principles of economic model construction and the econometric techniques used in estimation of behavioral relationships. May be taught concurrently with ECO 611. Cannot receive credit for both ECO 508 and ECO 611.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 515 Public Sector Economics

Prerequisite: ECO 155, ECO 165, and completion of mathematics general education requirement.

Allocation and distribution functions of the public sector of the economy; theories of taxation and public expenditure; shifting and incidences of taxes, local-state federal finance. May be taught concurrently with ECO 615. Cannot receive credit for both ECO 615 and ECO 515.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 520 History of Economic Thought

Prerequisite: ECO 155 and ECO 165.

Development of economic theory. May be taught concurrently with ECO 620. Cannot receive credit for both ECO 620 and ECO 520.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 540 Economics of the Environment

Prerequisite: ECO 165.

The course applies economic concepts and analysis to environmental issues such as pollution and natural resource management. Economic concepts and analysis used in the course will include supply and demand, cost benefit analysis, and the role of incentives. May be taught concurrently with ECO 640. Cannot receive credit for both ECO 640 and ECO 540.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ECO 565 International Economics

Prerequisite: ECO 155 and ECO 165.

Recommended Prerequisite: QBA 237 or equivalent. Introduction to the key concepts of international trade and finance with a focus on the fundamental theories of international economics. Topics include the gains from and the patterns of international trade, protectionism, exchange rate determination and government policy intervention. May be taught concurrently with ECO 665. Cannot receive credit for both ECO 665 and ECO 565.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ECO 585 Mathematical Methods for Economics II

Prerequisite: ECO 365 and ECO 473; and 60 hours (ECO 473 may be waived if familiarity with calculus-based optimization techniques can be established).

Unconstrained and constrained optimization; applications of the envelope theorem and duality to standard economic models, including utility maximization, profit maximization and expenditure/cost minimization. May be taught concurrently with ECO 685. Cannot receive credit for both ECO 685 and ECO 585.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 586 Business Cycles and Forecasting

Prerequisite: ECO 385.

Fluctuations in the level of economic activity; an examination of the basic principles and techniques of economic forecasting. May be taught concurrently with ECO 686. Cannot receive credit for both ECO 686 and ECO 586.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 590 Senior Research Seminar

Prerequisite: ECO 365 and ECO 385 and ECO 409; and 90 hours.

A seminar course requiring the completion of assignments which develop and refine economic research skills. A combination of papers and class presentations will be used to assess student achievement. May be taught concurrently with ECO 690. Cannot receive credit for both ECO 590 and ECO 690.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ECO 599 Directed Research in Economics

Prerequisite: ECO 365; and ECO 385 or ECO 610; and ECO 409.

The student is expected to conduct research in a selected topic in economics and to produce a written report. May be taught concurrently with ECO 699. Cannot receive credit for both ECO 699 and ECO 599.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ECO 600 Fundamentals of Economics

Prerequisite: College of Business majors must receive permission from a director of a College of Business graduate program.

An accelerated course dealing with the fundamentals of micro- and macroeconomic theory, designed for graduate students who have not completed undergraduate principles of economics. This course will not be counted in the hours required for a College of Business graduate degree. May be taught concurrently with ECO 500. Cannot receive credit for both ECO 500 and ECO 600.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 604 Health Care Economics

Recommended Prerequisite: ECO 165. A basic study of the economics of the health care market. Microeconomic theory is applied to the analysis of health care issues. Attention will be given to empirical studies of health care economics. Identical with HCM 604. Cannot receive credit for both ECO 604 and HCM 604. May be taught concurrently with ECO 504. Cannot receive credit for both ECO 504 and ECO 604.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ECO 609 Applied Econometrics

Prerequisite: QBA 600 or equivalent.

Students will learn simple regression and multiple regression analysis. Additional topics include model building, cross sectional and time series analysis, as well as related topics. Students will be required to engage in original research using the principles taught in the class and to write their research into a research paper. May be taught concurrently with ECO 409. Cannot receive credit for both ECO 609 and ECO 409.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ECO 611 Intermediate Econometrics

Recommended Prerequisite: ECO 409. Examination of the principles of economic model construction and the econometric techniques used

in estimation of behavioral relationships. May be taught concurrently with ECO 508. Cannot receive credit for both ECO 508 and ECO 611.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 615 Public Sector Economics

Recommended Prerequisite: ECO 155 and ECO 165; and completion of mathematics general education requirement. Allocation and distribution functions of the public sector of the economy; theories of taxation and public expenditure; shifting and incidences of taxes, local-state federal finance. May be taught concurrently with ECO 515. Cannot receive credit for both ECO 515 and ECO 615.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 620 History of Economic Thought

Recommended Prerequisite: ECO 155 and ECO 165. Development of economic theory. May be taught concurrently with ECO 520. Cannot receive credit for both ECO 520 and ECO 620.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 640 Economics of the Environment

Recommended Prerequisite: ECO 165. The course applies economic concepts and analysis to environmental issues such as pollution and natural resource management. Economic concepts and analysis used in the course will include supply and demand, cost benefit analysis, and the role of incentives. May be taught concurrently with ECO 540. Cannot receive credit for both ECO 540 and ECO 640.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ECO 665 International Economics

Recommended Prerequisite: QBA 237 or equivalent. Introduction to the key concepts of international trade and finance with a focus on the fundamental theories of international economics. Topics include the gains from and the patterns of international trade, protectionism, exchange rate determination and government policy intervention. May be taught concurrently with ECO 565. Cannot receive credit for both ECO 665 and ECO 565.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ECO 673 Mathematical Methods for Economics I

Prerequisite: ECO 155 and ECO 165.

Recommended Prerequisite: ECO 365; and MTH 261 or MTH 285 or equivalent. Development and application of mathematical techniques to economics. May be taught concurrently with ECO 473. Cannot receive credit for both ECO 473 and ECO 673.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ECO 685 Mathematical Methods for Economics II

Recommended Prerequisite: ECO 365; and ECO 473 or familiarity with calculus-based optimization techniques. Unconstrained and constrained optimization; applications of the envelope theorem and duality to standard economic models, including utility maximization, profit maximization and expenditure/cost minimization. May be taught concurrently with ECO 585. Cannot receive credit for both ECO 585 and ECO 685.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 686 Business Cycles and Forecasting

Recommended Prerequisite: ECO 385. Fluctuations in the level of economic activity; an examination of the basic principles and techniques of economic forecasting. May be taught concurrently with ECO 586. Cannot receive credit for both ECO 586 and ECO 686.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 690 Seminar in Economics

Prerequisite: ECO 609 and ECO 710.

A seminar course requiring the completion of assignments which develop and refine economic research skills. A combination of papers and class presentations will be used to assess student achievement. Primarily for graduate students in their final year of study. May be taught concurrently with ECO 590. Cannot receive credit for both ECO 690 and ECO 590.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 699 Directed Research in Economics

Recommended Prerequisite: ECO 365; and ECO 385 or ECO 710; and ECO 409. The student is expected to conduct research in a selected topic in economics and to produce a written report. May be taught concurrently with ECO 599. Cannot receive credit for both ECO 599 and

topic in economics and to produce a written report. May be taught concurrently with ECO 599. Cannot receive credit for both ECO 599 and ECO 699.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ECO 710 Micro- and Macroeconomic Analysis

Prerequisite: ECO 600 or equivalent.

An intermediate to advanced study of selected topics in microeconomic and macroeconomic analysis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ECO 721 International Political Economy

A general introduction to the politics of international economic relations, with a special emphasis on the extent, causes, and consequences of globalization. Covers such topics as trade, investment, aid, global warming, international institutions, and the political roots of economic development. Identical with PLS 721. Cannot receive credit for both ECO 721 and PLS 721.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ECO 730 Money and Credit Markets

Recommended Prerequisite: ECO 305. Role performed by the Federal Reserve System, financial intermediaries, non-financial businesses, the public, and the foreign sector in developing and maintaining money and credit flows.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Economics

Major(s)

Economics (Non-Comprehensive)

Bachelor of Arts

A. General Education Program and Requirements
B. Major Requirements
    1. ECO 155(3), 165(3), 365(3), 385(3), 409(3), 492(0)
    2. One of the following statistics courses: AGR 330(3), MTH 340(3), PSY 200(3), QBA 237(3), REC 328(3), or SOC 302(3)
    3. Minimum of 12 additional credit hours in Economics
    4. Public Affairs Capstone Experience will be fulfilled by completion of ECO 409(3).
C. Minor Required (or second major)
D. Specific Bachelor of Arts Degree Requirements
E. General Baccalaureate Degree Requirements

Economics (Non-Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements
    1. ECO 155(3), 165(3), 365(3), 385(3), 409(3), 492(0)
    2. One of the following statistics courses: AGR 330(3), MTH 340(3), PSY 200(3), QBA 237(3), REC 328(3), or SOC 302(3)
    3. Minimum of 18 additional credit hours in Economics
    4. Public Affairs Capstone Experience will be fulfilled by completion of ECO 409(3).
C. Minor Required (or second major)
D. General Baccalaureate Degree Requirements

Economics (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements
    1. ECO 155(3), 165(3), 365(3), 385(3), 409(3), 492(0)
    2. One of the following statistics courses: AGR 330(3), MTH 340(3), PSY 200(3), QBA 237(3), REC 328(3), or SOC 302(3)
    3. Minimum of 18 additional credit hours in Economics
    4. Minimum of 18 hours in satisfaction of Plan A or B:
        a. Plan A: Concentration of at least 18 hours in any discipline in which a major is offered
        b. Plan B: Concentration of at least nine hours in each of two disciplines in which a major is offered
    5. The 18 hour block in Plan A and each nine hour block in Plan B must satisfy the following additional restrictions:
        a. The courses within a block must all have the same course code (prefix).
        b. At least two thirds of the credit hours in each block must be from upper division courses.
        c. Transfer credit may only be used if the relevant course has been determined to be equivalent to a specific MSU course (and

d. Transfer credit may only be used if the relevant course has been determined to be equivalent to a specific MSU course (and not to an unspecified elective).

6. Public Affairs Capstone Experience will be fulfilled by completion of ECO 409(3).

C. General Baccalaureate Degree Requirements

All majors wishing to pursue careers in either Business or Public Administration/Government, or wishing to pursue Graduate Study in Economics or attend Law School are encouraged (but not required) to choose electives from the following relevant set of courses:

Business Orientation Track. Courses are: ECO 305(3), 310(3), 425(3), 450(3), 475(3), 565(3); ACC 201(3); BUS 135(3); FIN 380(3); LAW 231(3); MGT 286(3), MGT 320(3) or MGT 340(3); MKT 150(3) or MKT 350(3)

Public Administration/Government Orientation Track. Courses are: ACC 201(3); ECO 310(3), 425(3), 450(3), 504(3), 515(3), 540(3); PLN 371(3), PLS 255(3), PLS 573(3), PLS 576(3)

Graduate School Orientation Track. Courses are: ECO 305(3), 425(3), 473(3), 515(3), 565(3), 585(3); MTH 261(5), 280(5), 302(3), 315(3)

Law School Orientation Track. Courses are: ECO 425(3), 435(3), 473(3), 515(3), 540(3), 565(3); ENG 310(3); HST 517(3); LAW 231(3); PHI 305(3); PLS 515(3), 517(3)

Minor(s)

Economics

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

A. ECO 155(3), 165(3)
B. Additional hours in economics to total at least 18 hours. One of the following statistics courses may be used toward this minor: AGR 330(3), MTH 340(3), PSY 200(3), QBA 237(3), REC 328(3), or SOC 302(3)

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of History

Programs

Indicates accelerated graduate program is available

Undergraduate

History (BA, BS, Minor)

History Education (BSEd)

Graduate

History (MA)

History for Teachers (Certificate)

Secondary Education with option in History (MSEd)

Secondary Education with option in Social Sciences (MSEd)

Accreditations

- Missouri Department of Elementary and Secondary Education – History (BSEd); Secondary Education/History (MSEd); Secondary Education/Social Sciences (MSEd)
- Council for the Accreditation of Educator Preparation – History (BSEd); Secondary Education/History (MSEd); Secondary Education/Social Sciences (MSEd)

Contact

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Missouri State

History Faculty

Distinguished professor

David W. Gutzke, PhD

Professors

Holly A. Baggett, PhD

Brooks R. Blevins, PhD

John F. Chuchiak IV, PhD

Thomas S. Dicke, PhD

Kathleen A. Kennedy, PhD

Stephen L. McIntyre, PhD

F. Thornton Miller, PhD

Eric W. Nelson, PhD

Associate professors

Angela Hornsby-Gutting, PhD

Michelle J. Morgan, PhD

Bukola Oyeniyi, PhD

Assistant professors

Djene Rhys Bajalan, PhD

Jessica M. Elliott, PhD

Sarah Mellors, MA

Jeremy C. Neely, PhD

Sara J. Panzer, PhD

Julia D. Troche, PhD

Senior instructor

Marlin C. Barber, PhD

Instructors

Jacynda L. Ammons, PhD

John R. Gram, PhD

Argelia Segovia Liga, PhD

Emeritus faculty

Jamaine M. Abidogun, PhD

David B. Adams, PhD

Meredith Adams, PhD

Wayne C. Bartee, PhD

Dominic J. Capeci, Jr. PhD

Robert Flanders, PhD

James N. Giglio, PhD

William E. Hammond, PhD

Andrew W. Lewis, PhD

Worth R. Miller, PhD

William G. Piston, PhD

Michael M. Sheng, PhD

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Missouri State

Office of the Registrar
Undergraduate Catalog

History Courses

History (HST) courses

HST 103 World History to Circa 1600 C.E.

General Education Course (Focus on Humanities).

This course examines the formation and development of the world's major societies and systematically explores cross-cultural interactions and exchanges that have been some of the most effective agents of change in all of world history from Pre-History to circa 1600 C.E. Students cannot receive credit for both HST 101 and HST 103.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	HIST 201 - World History I.

Access the CORE 42 portal

HST 104 World History since 1600 C.E.

General Education Course (Focus on Humanities).

This course examines the formation and development of the world's major societies and systematically explores cross-cultural interactions and exchanges that have been some of the most effective agents of change in all of world history since 1600 C.E. Students cannot receive credit for both HST 102 and HST 104.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	HIST 202 - World History II.

Access the CORE 42 portal

HST 121 Survey of the History of the United States to 1877

General Education Course (Focus on Constitutions of US and Missouri and American History and Institutions).

Formation of the United States and its civilization from the Age of Discovery through the Reconstruction Era, with emphasis on the influence of the Frontier and the Native American, European and African heritages; the constitutional development of the federal government; the evolution of the nation's economic system, social fabric and diplomatic experiences.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	HIST 101 - American History I.

Access the CORE 42 portal

HST 122 Survey of the History of the United States since 1877

General Education Course (Focus on Constitutions of US and Missouri and American History and Institutions).

Modernization of the United States and its role in world affairs from the late 19th Century to the present, with emphasis on industrialization and urbanization and their impact on socioeconomic and international developments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	HIST 102 - American History II.

Access the CORE 42 portal

HST 210 Writing II: Historical Inquiry

Prerequisite: ENG 110 and 30 hours.

General Education Course (Focus on Written Communication and Integrative and Applied Learning).

Introduction to historical research and writing. Meets Writing II requirement for a major in history. This course emphasizes the techniques of conducting a thorough literature search, the analysis of primary and secondary materials, and instruction and practice in historical writing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HST 300 Service Learning in History

Prerequisite: 30 hours, concurrent registration in a History course designated as a service learning offering and permission of department head.

This service component for an existing course incorporates community service with classroom instruction in History to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

HST 312 History of American Baseball

Survey of the history of baseball in the United States from the early nineteenth century to the present. Focus is on the commercialization of the game, the development of labor-management relations, and the manner in which class, race, and gender have shaped participation in the sport.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 313 American Cultural History

An introduction to the major issues, themes and methods of American cultural history. This course will explore multiple vantage points and interdisciplinary approaches to understanding American cultural history.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 314 American Expansion and Empire

Recommended Prerequisite: HST 121 or HST 122. This course surveys the territorial, economic, cultural, and political expansion of the United States from the founding of the country through the 20th century. Topics include the ideology, methods, and effects of expansion, with particular attention on the cultural interactions that resulted from expansion and the ways in which expansion affected American culture and Society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 315 Military History of the United States

Recommended Prerequisite: HST 121 or 122. American Military History from the colonial period to the present; its relation to the national development in war and peace.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HST 323 Women in Africa

Recommended Prerequisite: HST 103 or 104. This course will introduce students to women's participation in Africa's history and contemporary issues. The readings cover a broad geographical range of North, West, Central and Southern Africa. The course will include five topics: Women and the Family; Women, Politics, and Economics; Religious Women; Women in Colonial Rebellion; and Women and National Revolutions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 324 Women in American History

A survey of the role of American women from the colonial era to the present. Topics include women's historical roles in work, family, politics, sexuality and culture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 329 The Automobile in American Life

Recommended Prerequisite: HST 122. Examines the impact of the automobile on American society during the twentieth century. Topics include the manufacture, marketing and maintenance of automobiles, the transformation of rural and urban life, the decline of transit and the impact of the automobile on social life.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 330 Business and Society, Colonial Times to Present

Recommended Prerequisite: HST 121 or 122. The main focus of this course is the development of the firm and its relationship to the economic, social, and legal environment within which businesses have operated. Special emphasis is placed on how the firm shaped and was shaped by American society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 331 African American History I

Recommended Prerequisite: HST 121 or AAS 100. Survey of the experiences of Americans of African descent to 1865. Emphasis on African heritage; African-American contributions and institutions; slavery and quasi-freedom.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 332 African American History II

Recommended Prerequisite: HST 122 or AAS 100. Continuation of HST 331, 1865-present. Emphasis on the struggles for racial justice; protest organizations, philosophies and tactics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 334 Conflict and Peace Building in Africa

Recommended Prerequisite: HST 103 or HST 104 or HST 121 or AAS 100. This course examines the historical roots, dimensions, and causes of conflict in Africa. Thematically organized to capture developments across the different regions in the continent, the course offers critical insights into the preponderance of conflict in Africa since the Cold War. In addition, the course explores the various ways through which Africans, its partners, and international organizations have fostered peace and conflict resolution in Africa over the years.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 335 African Civilization

Recommended Prerequisite: HST 103 or 104. Historical developments in Africa from antiquity to the present. Emphasis on south Saharan Africa for the period before European contact. Topics in modern nationalism and independence. Africa in the context of world history.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 338 Sources and Methods in African History

This course deals with knowledge generation, production, and dissemination about Africa and its peoples. It traces the origin, progress, and current state of scholarship on Africa and about Africans. It is about writing and understanding Africa and its history. It examines the kind of history that has been written about events in Africa. In other words, it is concerned with the study of and nature of history in Africa. Given this basic disposition, the course is a reflection on history in Africa as a discipline and the problems involved in the writing of African history globally.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 339 Africa and the Wider World

Recommended Prerequisite: HST 103 or HST 104 or HST 121 or AAS 100. This course traces the history of Africa from the slave trade to independence. The course is thematically organized to capture developments across the different regions in the continent; and offers critical insights into the place of Africa in world history, especially in relations to and with global developments. As a survey course, the course offers insights into the different regions, paying particular attention to cultural, economic and political changes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 340 Industrialization in Global Perspective

Recommended Prerequisite: HST 122. This course looks at origins and spread of industrialization as a global phenomena beginning with the

Recommended Prerequisite: HST 122. This course looks at origins and spread of industrialization as a global phenomena beginning with the preindustrial wave of global expansion that began around 1450 and continuing up to the present. It blends broad synthetic treatments with

detailed case studies to trace the development and spread of industrial technology across cultures. Although the perspective is global most of the geographic concentration is on Britain, the U.S., Japan, and more recently, China.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 343 Ancient Rome

Recommended Prerequisite: HST 103. Roman civilization to the downfall of the Empire. Broad social, economic, technological and cultural developments. The problems of the decline of ancient civilization.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 345 Slavery in the Atlantic World

Recommended Prerequisite: HST 103 and HST 104; and HST 121 or AAS 100. This course examines various social, political, and economic developments of slave societies in the Americas (North, Central and South), the West Indies, and Africa from roughly the 1200s to the late-1800s with a primary focus upon the lives and roles played by people of the African Diaspora and their encounters with Europeans and Indigenous Americans.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 350 Latin American Civilization

Foundations of Ibero-American civilization including the Amer-Indian, Iberian and African background; Emphasis on the origins of institutions and problems which affect the region as a whole.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 351 History of Europe to 1650

This course explores the broad contours of European history from the first peopling of the continent to the seventeenth century with special emphasis on long-term political, social and economic developments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 352 Crisis in the Late Middle Ages

Recommended Prerequisite: HST 103. This course covers the Great Famine, the arrival of the Black Death, conflicts between England and France during the Hundred Years War, and spiritual crises such as the Avignon Papacy and the Great Schism. It focuses on the ways in which moments of crisis could lead to a restructuring of the medieval world (e.g., the destabilization of the nobility, growth of social mobility for peasants and workers, and rapid technological innovation following the Black Death), and the ways in which large-scale changes were experienced by individual men and women living at the time.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 353 History of Europe in the 19th Century, 1815-1918

Recommended Prerequisite: HST 104. Forces unleashed by the French Revolution and other movements, including liberalism, reaction, nationalism, industrialization and imperialism. May be taught concurrently with HST 553. Cannot receive credit for both HST 353 and 553.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 355 Contemporary Europe: 1918 to the Present

Recommended Prerequisite: HST 104. Europe between the wars, the coming of World War II, European problems since 1945.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 356 Nazi Germany

Recommended Prerequisite: HST 104. This course has been envisioned as a multi-disciplinary course, dealing with the complex and often controversial aspects of Nazi rule. The course begins chronologically with the examination of the crisis in Weimar Democracy and the Nazi seizure of power. Then it discusses the transformation of German society under Nazi rule; the fate of youth organizations, schools, universities and churches; the impact of Nazism on popular and high cultures; Nazi social policy; war on racial and ethnic minorities and homosexuals. The third part deals with Nazi foreign policy; the Second World War; the genocide of Eastern Europeans; the Holocaust, and the collapse of the Third Reich. At the final meeting, students discuss the memory of the Third Reich.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 360 Britain, 55 B.C.-1688

Recommended Prerequisite: HST 103. Impact of European invasions on social structure, social cohesion and demography; feudalism and its decline; emergence of early modern England in Tudor and Stuart periods; Civil War and the Glorious Revolution.

decline; emergence of early modern England in Tudor and Stuart periods; Civil War and the Glorious Revolution.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 361 Britain, 1688-Present

Recommended Prerequisite: HST 103 or 104. Transition from pre-industrial to industrial society; tenacity of aristocratic power and influence; growth of the welfare state; economic and international decline.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 369 Ancient Civilizations of the Mediterranean and Middle East

Recommended Prerequisite: HST 103. This course introduces students to the histories of the Ancient Near (aka Middle) East, Egypt, Greece, and Rome. It begins with the origins of civilization, and ends with the fall of the Roman Empire and the rise of Islam in the Middle East (c. 4,000 B.C.E. - 650 C.E.). It pays special attention to the diverse political systems of the ancient world, including divine kingship in ancient Egypt and the Near East, the Athenian democracy, the Roman Republic, and the emperors of the Roman Empire. Additionally, students will have the opportunity to learn about select social, cultural, and religious topics, such as the rise of monotheistic religions, the influence of particular artistic traditions, or the role of underrepresented groups (e.g. women, slaves) in the ancient world.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 370 Religions, Cultures, and Empires of the Middle East and North Africa, 570 CE to 1798 CE

Recommended Prerequisite: HST 103 and/or HST 104. This course introduces students to the history of the Middle East and North Africa from the rise of Islam in the seventh century to the beginnings of European economic, military, and political penetration of the region in the late eighteenth century. The course pays special attention to the development of the Islamic tradition, rise and fall of various regional empires, and the social, cultural, and political transformations that took place over the course of this extended historical era.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 371 History of the Modern Middle East and North Africa, 1750 CE to 1991 CE

Recommended Prerequisite: HST 104. This course provides students with an overview of the broad social, economic, and political trends that have shaped the Middle East and North Africa from the end of the eighteenth century to the contemporary era. This course pays particular attention to the growing influence of Europe (and later the United States) on the Middle Eastern societies as well as the efforts engaged in by Middle Eastern governments and political organizations to adapt to a rapidly changing global order.

Middle Eastern governments and political organizations to adapt to a rapidly changing global order.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 375 The Ozarks in American History

Recommended Prerequisite: HST 121 or 122. The Ozarks as an historic American region. Historical geography of the Ozarks. The Old Ozarks Frontier; the Modern Ozarks; the Cosmopolitan Ozarks; the New Ozarks Frontier. Relation of the Ozarks to major themes in U.S. History.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 380 East Asian Civilization I

A comparative historical treatment of China and Japan from earliest times to 1600.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

HST 381 East Asian Civilization II

A comparative historical treatment of China and Japan from 1600 to the present.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HST 382 Asia Pacific War

How did a seventeen year old Indonesian perceive the Japanese occupation? How did that experience differ from a Thai college student? This course will investigate the societies of occupied East and Southeast Asia from 1931-1945 from the perspective of those who experienced it directly. Memoirs, oral histories, visual material, and military reports will be used to understand the perceptions, motivations, and mentalities that drove collective and individual action, and situate that action within the framework of violence. Students will gain a deeper understanding of the cultures involved in the Asia Pacific War, and develop critical skills through analysis of specific issues in class discussion, written exercises and essays. Major course themes: the nature of violence; engaging opposing perspectives in debates about major issues; understanding prevailing theses about those debates.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HST 383 A Global History of the Inquisition, 1478-1834: The Holy Office in Europe, Asia, and the Americas

This course closely examines the history of the Spanish and Portuguese Inquisitions from their establishment in the last fifteenth/early sixteenth centuries to their abolition in the early nineteenth century. The Inquisition was set up in both Spain and Portugal to systematically hunt down heretics and eradicate from Catholic society any form of heretical beliefs. The various groups persecuted by the inquisitorial tribunals in Spain and Portugal's world empires included, amongst others, crypto-Jews, crypto-Muslims, Protestants, bigamists, homosexuals, dissenting intellectuals and witches. This course will examine the actual historical institutions behind the modern myths of the Spanish and Portuguese Inquisitions; their organization, their modus operandi and their evolution during their more than three centuries of existence both in the Iberian Peninsula and in the Spanish and Portuguese World empires. Topics covered include the history of the Inquisition in Spain and the Spanish Americas, including the existence of the Spanish Inquisition in the early colonial Latin American territories as well as its spread into the colonial North American territories of the Florida, Texas, Louisiana, Arkansas, Missouri, New Mexico and the Californias; the topics will also include an examination of the history of the Inquisition in Spain and Portugal's Asian colonies such as the Philippines, India (Goa) and China (Macao).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 384 History of Piracy in the Americas, 1492-1820

This course examines the history of piracy in the Americas from the point of European contact to the early nineteenth century, a period historians roughly designate as the "early modern." The early modern period was an age marked by new ideas in science, medicine, and religion, by advances in shipbuilding, mining, and artillery manufacture, but also a time of endemic religious conflicts, expansive empires, and wars. In terms of overseas trade and conquest, Spain and Portugal were at the forefront throughout much of this period, and their successes in the Americas and elsewhere led their northern neighbors, particularly the French, English, and Dutch, to cast covetous eyes upon slow-moving, inbound treasure ships. These predators and the prey they seized upon are the primary subject of this course. The course will cover the social history of pirate bands as well as the history of the Transatlantic Treasure fleets and the Spanish Empire's defensive networks. A final examination of the course will focus on the long term consequences, economic and otherwise, that piracy entailed for its mostly Spanish victims.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Summer

HST 390 Introduction to Historiography

Prerequisite: 9 hours of history.

The study of the philosophy, methods, and practice of history as a field of scholarly inquiry. Students are also required to take the Major Field Achievement Test.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HST 392 European History Primary Source Seminar

Prerequisite: HST 210.

This is a variable content, writing-intensive seminar in European history. Students will be introduced to methods of primary source analysis and historical writing and prepare a seminar paper based on primary sources on a focused topic in European history.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 393 United States History Primary Source Seminar

Prerequisite: HST 210.

This is a variable content, writing-intensive seminar in United States history. Students will be introduced to methods of primary source analysis and historical writing and prepare a seminar paper based on primary sources on a focused topic in United States history.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 394 World History Primary Source Seminar

Prerequisite: HST 210.

This is a variable content, writing-intensive seminar in world history. Students will be introduced to methods of primary source analysis and historical writing and prepare a seminar paper based on primary sources on a focused topic in world history.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 395 Spanish Conquest and Colonization in the Americas, 1492-1700

This course is intended to introduce students to several topics relating to the conquest and colonization of the region now known as Latin America. These topics and the historical literature surrounding them are essential in understanding the development of both colonial Latin America and the history of the colonial United States. The topics will include examinations of the conquest and colonization of each region of Latin America (from the U.S. Southwest, Mexico, the Andean Region, and lesser known frontiers). Within each topic or section of the course, we will begin with a selection of some of the modern secondary historical literature on the subject, and then we will consider the actual primary documents and sources upon which these histories were written.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 397 Special Topics in History

Recommended Prerequisite: 3 hours of history. A variable content, variable credit course. Specific subject matter will change from term to term, depending upon the interests of professor and student. May be repeated, as topics change, to a maximum of 6 credit hours. Variable content course.

content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

HST 418 Teaching of Secondary School Social Studies

Prerequisite: 12 hours history and SEC 302, EDC 350, SPE 340, current preprofessional liability insurance, and admission to Teacher Education Program.

Resources for teaching the social sciences; methods of evaluation; unit and daily lesson planning appropriate for multicultural settings; reflective decision-making in the application of teaching methods and techniques. Completion of minimum of 45 hour practicum assigned at Greenwood or Springfield area secondary school is required. Course completion is required as part of Transition 2. A grade of "C" or better is required in this course in order to take HST 422 or HST 499 and HST 423. Cannot be taken Pass/Not Pass. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

HST 420 Supervised Teaching (Secondary Social Studies)

Prerequisite: HST 418; a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching.

Student observes then teaches social studies classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

HST 421 Supervised Teaching (Secondary Social Studies)

Prerequisite: concurrent enrollment in HST 420.

Student observes then teaches under the direction of the cooperation teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

HST 422 Supervised Teaching (Secondary Social Studies)

Prerequisite: HST 418; a grade of "C" or better in all professional education courses; minimum GPA of 3.00 in Social Sciences; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in HST 423.

Student observes then teaches social studies classes under the direction of the cooperating teacher and the university supervisor. Student

Student observes then teaches social studies classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. Only students seeking secondary

social studies certification may enroll in this course. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5-10			Fall, Spring

HST 423 Seminar in Supervised Teaching

Prerequisite: HST 418; a grade of "C" or better in all professional education courses; minimum GPA of 3.00 in Social Sciences; approval for supervised teaching; and concurrent enrollment in HST 422.

A seminar designed for the purpose of discussion and analysis of field experiences during the supervised teaching semester. Topics include: Theory Into Practice, Diversity in the Classroom, Classroom Management, Classroom Assessment, Job Search and Professional Development. Students will attend workshops throughout the semester. Only students seeking secondary social studies certification may enroll in this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

HST 496 Independent Readings in History

Prerequisite: permission of instructor and department head.

Students should consult with a professor of the department who specializes in the subject; with professor's consent present a written proposal to the department head for approval before final registration for the term in which the reading is to be done. Only one approved Reading Program may be taken in any semester. A maximum of 6 semester hours may be taken in HST 496. Areas offered for independent readings: United States, Latin American, Ancient, Medieval, European, Asian and African history.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

HST 499 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

HST 504 Global Terrorism

Terrorism and terrorist incidents are occurring globally almost on daily basis. This sad development is making terrorism is one of the defining factors of this century. This course aims to educate students on why there are so many terrorist groups today, terrorists' motivations, means and methods as well as how to combat terrorism. The course aims at equipping leaders of tomorrow with the right knowledge and skills in dealing with the phenomenon of terrorism.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 509 Indian History

Prerequisite: 50 hours.

History of Indian/White relations, federal Indian policy, and Indian accommodation to European introductions and eventual American dominance from the beginning of contact with Europeans to the present. May be taught concurrently with HST 609. Cannot receive credit for both HST 609 and HST 509.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

HST 510 The Plains Indians

Prerequisite: 50 hours.

History and culture of Plains Indians from the pre-Columbian period to the end of the frontier era near the turn of the last century, including the impact of the European invasion. May be taught concurrently with HST 611. Cannot receive credit for both HST 611 and HST 510.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HST 514 17th-19th Century British Atlantic

Prerequisite: 50 hours.

Study of the British Empire in the 17th-19th century Atlantic World. Topics will include the Enlightenment; mercantilism and free-trade economics; migration, including the American Revolution Loyalist diaspora; the rise and fall of privateering, the Sugar Interest, and the Atlantic slave trade; slavery abolition and post-emancipation society in the West Indies; and Canadian confederation and home rule. May be taught concurrently with HST 614. Cannot receive credit for both HST 514 and HST 614.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 515 American Environmental History

Prerequisite: 50 hours.

Survey of humankind's relationship with nature and the environment in what is now the United States from pre-Columbian times to the present. Will especially focus on the impact of American development on the environment, the impact of the environment on the development of the United States, and the significance of the many different ideas and images concerning nature and the environment throughout American history. May be taught concurrently with HST 615. Cannot receive credit for both HST 615 and HST 515.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 516 American Religious History

Prerequisite: 50 hours.

Impact of religious thought and religious leaders on the history of the United States. May be taught concurrently with HST 616. Cannot receive credit for both HST 516 and HST 616.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HST 517 Legal and Constitutional History of the United States

Prerequisite: 50 hours.

The origins of American constitutionalism, The Philadelphia Convention, the historical context of the changes in the law, in the Constitution, and in the courts since 1789, and the development of the law profession and legal education. May be taught concurrently with HST 617. Cannot receive credit for both HST 617 and HST 517.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 518 Colonial America

Prerequisite: 50 hours.

Character, development and modification of the English Empire in North America. May be taught concurrently with HST 618. Cannot receive credit for both HST 618 and HST 518.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 519 The American Revolution

Prerequisite: 50 hours.

Origins of the Revolution, War of Independence, and the society, government, and economy of the Revolutionary and Confederation eras. May be taught concurrently with HST 619. Cannot receive credit for both HST 619 and HST 519.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 521 Early American Republic

Prerequisite: 50 hours.

Study of America, 1780s-1840s. Topics will include the development of constitutional government and federalism, mix of republican ideology and capitalism, causes and results of the War of 1812, first and second political party systems, social reform, and economic development. May be taught concurrently with HST 621. Cannot receive credit for both HST 621 and HST 521.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 523 Nineteenth Century America

Prerequisite: 50 hours.

Emphasis upon how the ideas and values that constituted the original meaning of America (namely, the republicanism of the American Revolution) were transformed in response to the Commercial and Industrial Revolutions of nineteenth century America, producing two major crises of the century: the Civil War and Populist Revolt. Included is the transition of the United States from an agrarian society of economically and politically independent farmers to a depersonalized industrial nation of largely dependent salaried employees and wage earners. May be taught concurrently with HST 623. Cannot receive credit for both HST 623 and HST 523.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 524 Civil War and Reconstruction

Prerequisite: 50 hours.

The sectional conflict, the Civil War, and Reconstruction examined from political, military, social, and economic perspectives, with emphasis on differing historical interpretations of the causes of the war, the South's defeat, and the limits of Reconstruction. May be taught concurrently with HST 624. Cannot receive credit for both HST 624 and HST 524.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 525 Gilded Age/Progressive Era America, 1865-1920

Prerequisite: 50 hours.

Political, economic, social and intellectual development of the United States from the end of the Civil War through World War I and its aftermath. May be taught concurrently with HST 625. Cannot receive credit for both HST 625 and HST 525.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 528 U.S. History Since 1945

Prerequisite: 50 hours.

The Cold War, politics from Truman through the Reagan presidency; the social conflict of the 1960s; the civil rights movement; the Great Society; Vietnam; and the Reagan revolution. May be taught concurrently with HST 628. Cannot receive credit for both HST 628 and HST 528.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 529 Plagues and Pandemics

Prerequisite: 50 hours.

This is a history of disease, especially epidemic disease, in western and world history. The first half of the course looks at disease from ancient times to the last half of the 19th century. The second half concentrates on the period from about 1890 to the present. The focus in the first half is on how people understood disease and how this shaped treatments. The second half focuses of the fundamental changes to disease pools brought about by the creation of thick global networks, increasing urbanization, and dramatic population increases. In terms of treatment, the focus will shift toward the development of germ theory, public health, and scientific medicine. May be taught concurrently with HST 629. Cannot receive credit for both HST 529 and HST 629.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HST 531 African American Leaders and Movements

Prerequisite: 50 hours.

Study of African American leaders and movements in the United States, with emphasis on the period since World War II. May be taught concurrently with HST 631. Cannot receive credit for both HST 631 and HST 531.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 532 History of Ancient Egypt

Recommended Prerequisite: HST 103. History of ancient Egypt from its unification in approximately 3200 BCE through 500 CE. Foundation of this course is the political history of ancient Egypt, but special attention is paid to particular social history topics, such as the origins of monotheism during the Amarna Period, interactions with the outside world (especially with the ancient Near East, Nubia, and Classical Greece and Rome) and varied topics relating to daily life (e.g. early medicine and science, education, personal piety). A particular emphasis is placed on primary sources in translation and archaeological evidence. May be taught concurrently with HST 632. Cannot receive credit for both HST 532 and HST 632.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 536 History of Missouri

Prerequisite: 50 hours.

Economic, social, political and constitutional history of the state; role played by Missouri in national affairs. May be taught concurrently with HST 636. Cannot receive credit for both HST 636 and HST 536.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 537 History of the American West

Prerequisite: 50 hours.

Westward movement in America as history and myth; influence of the West on American society and character. May be taught concurrently with HST 637. Cannot receive credit for both HST 637 and HST 537.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 538 History of the American South, 1607-Present

Prerequisite: 50 hours.

Development of the South's social, economic and intellectual distinctiveness, with an emphasis on slavery, the plantation system, sectional conflict, modernization, Populism, disfranchisement, segregation, Dixie Demagogues and the Civil Rights Movement. May be taught concurrently with HST 638. Cannot receive credit for both HST 638 and HST 538.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 541 The Ancient Near East to 1200 BCE

Prerequisite: 50 hours.

Sumerians, Babylonians, Egyptians and Hittites; special reference to Hebrew scripture. Interrelationships among ancient civilizations;

Sumerians, Babylonians, Egyptians and Hittites, special reference to Hebrew scripture; interrelationships among ancient civilizations; readings from original sources in English translation. May be taught concurrently with HST 641. Cannot receive credit for both HST 641 and HST 541.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

HST 542 Ancient Israel

Prerequisite: 50 hours.

History of Israel to the end of the Persian period with special reference to the Canaanites, Mycenaeans, Philistines, Phoenicians, Assyrians, Chaldeans, and Persians. May be taught concurrently with HST 642. Cannot receive credit for both HST 642 and HST 542.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HST 543 History of the Arab-Israeli Conflict

Prerequisite: 50 hours.

The Arab-Israeli conflict in its historical and contemporary terms. The course covers three periods: The first period examines the roots of Arab and Jewish historical/biblical claims to Palestine before 1939. The second period from 1939 to 1982 analyzes the causes and effects of the Arab-Israeli wars. The third period from 1982 to 1991 covers the Israeli invasion of Lebanon, the Palestinian uprising (Intifada), and the peace process. May be taught concurrently with HST 643. Cannot receive credit for both HST 643 and HST 543.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 544 Women in Islam

Prerequisite: 50 hours.

This course examines the complexities of Middle Eastern culture through the lens of gender, focusing on women in Islamic society. Course will examine and critique current scholarly and journalistic literature (largely by Muslim women), films and documentaries, and current events in order to better understand current social, political, and economic developments in the Middle East. Special emphasis is on Egypt and Iran, which have enjoyed the lion's share of academic and legal attention. While the focus is on the modern Middle East, coverage also includes a historical review of scriptural roots and socio-political structures from the Middle Ages until today. The course has been designed as a quasi-seminar, where students meet in round-table fashion and discuss together readings that have been prepared in advance, in combination with lecture. May be taught concurrently with HST 644. Cannot receive credit for both HST 544 and HST 644.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 545 Medieval Europe

Prerequisite: 50 hours.

Recommended Prerequisite: HST 103. History of Medieval France, Germany, and the Papacy from the 5th Century to the 16th Century. May be taught concurrently with HST 645. Cannot receive credit for both HST 545 and HST 645.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

HST 548 The Renaissance

Prerequisite: 50 hours.

Recommended Prerequisite: HST 103. Europe from about 1320 to about 1550, in the transition period from Medieval civilization to Modern Civilization; history of ideas and culture. May be taught concurrently with HST 648. Cannot receive credit for both HST 648 and HST 548.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 549 The Reformation

Prerequisite: 50 hours.

Early modern period of European history, 1500-1648. Religious controversy, religious wars, growth of the secular state. May be taught concurrently with HST 649. Cannot receive credit for both HST 649 and HST 549.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 551 The French Revolution and the Napoleonic Era

Prerequisite: 50 hours.

Causes and phases of the Revolution in France; the expansion of the Revolution; rise and downfall of Napoleon. May be taught concurrently with HST 651. Cannot receive credit for both HST 651 and HST 551.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 553 History of Europe in the 19th Century, 1815-1918

Prerequisite: 50 hours.

Forces unleashed by the French Revolution and other movements, including liberalism, reaction, nationalism, industrialization, and imperialism. May be taught concurrently with HST 353. Cannot receive credit for both HST 353 and 553. May be taught concurrently with HST 653. Cannot receive credit for both HST 653 and HST 553.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 555 Europe in the 20th Century

Prerequisite: 50 hours.

History of Europe from the First World War. Topics will include the persistence of war and violence in contemporary European history, the evolution of the state and economy during eras of crisis and growth, and the transformation of European society and culture across the 20th century. May be taught concurrently with HST 655. Cannot receive credit for both HST 555 and HST 655.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 559 Germany, 1815-Present

Prerequisite: 50 hours.

The unification process, the German Empire, Weimar Republic, Third Reich, Germany as a European Great Power. May be taught concurrently with HST 659. Cannot receive credit for both HST 659 and HST 559.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 562 Communism in Eastern Europe, 1917-1990

Prerequisite: 50 hours.

This course examines the emergence, development and demise of communist regimes in Eastern Europe. Conceived as a multi-disciplinary class, the course will look at a wide range of topics including, but not limited to, the creation of the police state, economic and social developments and the position of intellectuals, women and young people in communist societies, the "velvet revolutions" and the collapse of the system in the late 1980s. Special emphasis will be placed on culture, including literature and film as vehicles of protest against oppression.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 563 History of Fascism

Prerequisite: 50 hours.

This course deals mainly with interwar fascist movements and regimes in Europe and examines such relevant questions as the intellectual origins of fascism; paramilitary violence after WWI; charismatic leadership; state terrorism; fascist art and propaganda; social policy;

imperialism and war and genocide. It also examines the history of Right radical, fascist and post-fascist movement and regimes in Europe,

Latin America (Argentina, Chile, Brazil and Peru), United States, South Africa, the Middle East (Egypt, Syria and Iraq) and Africa (Ghana, Nigeria, Congo, Uganda) after 1945. May be taught concurrently with HST 663. Cannot receive credit for both HST 563 and HST 663.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 564 History of the Holocaust

Prerequisite: 50 hours.

Envisioned as a multi-disciplinary class, this course examines the complex history of the Holocaust during the Second World War. It discusses such important topics as the life of Jewish communities in Germany and Eastern Europe before 1933; Jewish emancipation; the rise of political anti-Semitism; Hitler and the creation of the Third Reich; discrimination against racial outsiders and "asocials"; the life of Jews in Nazi Germany; the "twisted road to Auschwitz"; the historical debates on the origins of the genocide; the social and psychological make-up of the perpetrators; the role of bystanders both in Germany and other parts of Europe; Jewish resistance and finally the memory of the Holocaust in Germany, Israel, United States and Eastern Europe. May be taught concurrently with HST 664. Cannot receive credit for both HST 564 and HST 664.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 566 Victorian and Edwardian England

Prerequisite: 50 hours.

This course will examine the impact of industrialization; wealth, poverty and the rise of class; reform movements; origins of the welfare state; emergence of the Labour party, and the slow eclipse of aristocratic power and influence. May be taught concurrently with HST 666. Cannot receive credit for both HST 666 and HST 566.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 571 China in the Twentieth Century

Prerequisite: 50 hours.

An intensive study of the transformation of China from a Confucian, Feudal state to a Communist world power. May be taught concurrently with HST 671. Cannot receive credit for both HST 671 and HST 571.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 573 History and Archaeology of the Middle East

Recommended Prerequisite: HST 103. Archaeology as a tool for historical inquiry is the focus of this course. In this course students will become familiar with the problems and methods of the discipline as they related to the larger questions of Middle Eastern history, including migration and settlement, the impact of war, land use and ecological issues, religion and identity, transformations of the traditional Middle Eastern household, and the relations between local society and the state. Topics covered in lectures and students' projects include the use of textual sources, palaeography, and other methodological challenges; historic preservation and heritage management; legal issues and the politics of archaeology; and museum work. Case studies in the course chronologically range from ancient to Ottoman-era sites, but the focus of the course is the medieval era (Byzantine, Crusader, Islamic). A series of lectures, hands-on work with the Jordan study collection, and documentaries will expose the student to the wide range of disciplines pulled into the service of archaeology and different methodologies. Special emphasis is placed on current fieldwork at Tall Hisban in Jordan and the Northern Jordan Project. Enrollment in this course is strongly encouraged for students interested in joining the Jordan Archaeology Field School as Study Away in the summers. May be taught concurrently with HST 673. Cannot receive credit for both HST 573 and HST 673.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HST 574 Jordan Archaeology Study Away

Prerequisite: permission of instructor.

Recommended Prerequisite: HST 103 and HST 573. This course is a formal archaeological field school--with field, lab, and classroom components--held on-site in Jordan as an MSU Study Away Program in the summers. The field school provides hands-on training in archaeological excavation and post-season object analysis techniques; students will also participate in several projects related to site presentation, architectural preservation, and community outreach that are running concurrently with the project. The field school rotates between the Tall Hisban excavations and the Northern Jordan Project (NJP), held at each site in alternative summers. Excursions to sites of archaeological, historical, religious, and cultural interest are organized on weekends. Students attending the field school are strongly encouraged to take HST 573 beforehand. The program, depending on the research objectives that year, will run 3-6 weeks. May be taught concurrently with HST 674. Cannot receive credit for both HST 574 and HST 674.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Summer

HST 587 Mexico from Colony to Nation

Prerequisite: 50 hours.

Mexican history from the colonial period to the Revolution of 1910. May be taught concurrently with HST 682. Cannot receive credit for both HST 682 and HST 587.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 588 Twentieth-Century Mexico

Prerequisite: 50 hours.

Mexico from the Revolution of 1910 to the present, emphasizing Mexico's influence upon the Cuban Nicaraguan and other revolutions; its

role as a member of the Middle American Community and of Latin America at large. May be taught concurrently with HST 688. Cannot receive credit for both HST 688 and HST 588.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 597 Topics in History

Prerequisite: 50 hours.

The topics studied will change from term to term depending on the interests of professors and students. May be repeated as topics change. Variable content course. May be taught concurrently with HST 697. Cannot receive credit for both HST 697 and HST 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

HST 598 Senior Seminar in History

Prerequisite: HST 390; and Writing II or concurrent enrollment; and 90 hours.

Concentrated study of a sharply focused topic and the preparation of a bachelor's paper based on primary research. Course content varies each semester. Required for the BA in History. This course is strongly recommended for anyone considering graduate school. Graduating seniors are given enrollment priority. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 599 Internship in Public History

Prerequisite: 60 hours and permission of the department head and host institution.

Supervised and approved work in a public or private agency which manages a museum, archive, or historic sites. One credit hour is awarded for each 40 hours of service. May be repeated for credit but only 3 hours may be counted towards the BA, BSEd, or MA major in History. May be taught concurrently with HST 698. Cannot receive credit for both HST 698 and HST 599.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

HST 609 Indian History

History of Indian/White relations, federal Indian policy, and Indian accommodation to European introductions and eventual American dominance from the beginning of contact with Europeans to the present. May be taught concurrently with HST 509. Cannot receive credit for both HST 509 and HST 609.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

HST 611 The Plains Indians

History and culture of Plains Indians from the pre-Columbian period to the end of the frontier era near the turn of the last century, including the impact of the European invasion. May be taught concurrently with HST 510. Cannot receive credit for both HST 510 and HST 611.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HST 614 17th-19th Century British Atlantic

Study of the British Empire in the 17th-19th century Atlantic World. Topics will include the Enlightenment; mercantilism and free-trade economics; migration, including the American Revolution Loyalist diaspora; the rise and fall of privateering, the Sugar Interest, and the Atlantic slave trade; slavery abolition and post-emancipation society in the West Indies; and Canadian confederation and home rule. May be taught concurrently with HST 514. Cannot receive credit for both HST 614 and HST 514.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 615 American Environmental History

Survey of humankind's relationship with nature and the environment in what is now the United States from pre-Columbian times to the present. Will especially focus on the impact of American development on the environment, the impact of the environment on the development of the United States, and the significance of the many different ideas and images concerning nature and the environment throughout American history. May be taught concurrently with HST 515. Cannot receive credit for both HST 515 and HST 615.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 616 American Religious History

Impact of religious thought and religious leaders on the history of the United States. May be taught concurrently with HST 516. Cannot receive credit for both HST 516 and HST 616.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HST 617 Legal and Constitutional History of the United States

The origins of American constitutionalism, The Philadelphia Convention, the historical context of the changes in the law, in the Constitution, and in the courts since 1789, and the development of the law profession and legal education. May be taught concurrently with HST 517. Cannot receive credit for both HST 517 and HST 617.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 618 Colonial America

Character, development and modification of the English Empire in North America. May be taught concurrently with HST 518. Cannot receive credit for both HST 518 and HST 618.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 619 The American Revolution

Origins of the Revolution, War of Independence, and the society, government, and economy of the Revolutionary and Confederation eras. May be taught concurrently with HST 519. Cannot receive credit for both HST 519 and HST 619.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 621 Early American Republic

Study of America, 1780s-1840s. Topics will include the development of constitutional government and federalism, mix of republican ideology and capitalism, causes and results of the War of 1812, first and second political party systems, social reform, and economic development. May be taught concurrently with HST 521. Cannot receive credit for both HST 521 and HST 621.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 623 Nineteenth Century America

Emphasis upon how the ideas and values that constituted the original meaning of America (namely, the republicanism of the American Revolution) were transformed in response to the Commercial and Industrial Revolutions of nineteenth century America, producing two major crises of the century: the Civil War and Populist Revolt. Included is the transition of the United States from an agrarian society of economically and politically independent farmers to a depersonalized industrial nation of largely dependent salaried employees and wage earners. May be taught concurrently with HST 523. Cannot receive credit for both HST 523 and HST 623.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 624 Civil War and Reconstruction

The sectional conflict, the Civil War, and Reconstruction examined from political, military, social, and economic perspectives, with emphasis on differing historical interpretations of the causes of the war, the South's defeat, and the limits of Reconstruction. May be taught concurrently with HST 524. Cannot receive credit for both HST 524 and HST 624.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 625 Gilded Age/Progressive Era America, 1865-1920

Political, economic, social and intellectual development of the United States from the end of the Civil War through World War I and its aftermath. May be taught concurrently with HST 525. Cannot receive credit for both HST 525 and HST 625.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 628 U.S. History Since 1945

The Cold War, politics from Truman through the Reagan presidency; the social conflict of the 1960s; the civil rights movement; the Great Society; Vietnam; and the Reagan revolution. May be taught concurrently with HST 528. Cannot receive credit for both HST 528 and HST 628.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 629 Plagues and Pandemics

This is a history of disease, especially epidemic disease, in western and world history. The first half of the course looks at disease from ancient times to the last half of the 19th century. The second half concentrates on the period from about 1890 to the present. The focus in the first half is on how people understood disease and how this shaped treatments. The second half focuses of the fundamental changes to disease pools brought about by the creation of thick global networks, increasing urbanization, and dramatic population increases. In terms of treatment, the focus will shift toward the development of germ theory, public health, and scientific medicine. May be taught concurrently with HST 529. Cannot receive credit for both HST 629 and HST 529.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HST 631 African American Leaders and Movements

Study of African American leaders and movements in the United States, with emphasis on the period since World War II. May be taught concurrently with HST 531. Cannot receive credit for both HST 531 and HST 631.

concurrently with HST 531. Cannot receive credit for both HST 531 and HST 631.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 632 History of Ancient Egypt

History of ancient Egypt from its unification in approximately 3200 BCE through 500 CE. Foundation of this course is the political history of ancient Egypt, but special attention is paid to particular social history topics, such as the origins of monotheism during the Amarna Period, interactions with the outside world (especially with the ancient Near East, Nubia, and Classical Greece and Rome) and varied topics relating to daily life (e.g. early medicine and science, education, personal piety). A particular emphasis is placed on primary sources in translation and archaeological evidence. May be taught concurrently with HST 532. Cannot receive credit for both HST 632 and HST 532.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 636 History of Missouri

Economic, social, political and constitutional history of the state; role played by Missouri in national affairs. May be taught concurrently with HST 536. Cannot receive credit for both HST 536 and HST 636.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 637 History of the American West

Westward movement in America as history and myth; influence of the West on American society and character. May be taught concurrently with HST 537. Cannot receive credit for both HST 537 and HST 637.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 638 History of the American South, 1607-Present

Development of the South's social, economic and intellectual distinctiveness, with an emphasis on slavery, the plantation system, sectional conflict, modernization, Populism, disfranchisement, segregation, Dixie Demagogues and the Civil Rights Movement. May be taught concurrently with HST 538. Cannot receive credit for both HST 538 and HST 638.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 641 The Ancient Near East to 1200 BCE

Sumerians, Babylonians, Egyptians and Hittites; special reference to Hebrew scripture. Interrelationships among ancient civilizations; readings from original sources in English translation. May be taught concurrently with HST 541. Cannot receive credit for both HST 541 and HST 641.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

HST 642 Ancient Israel

History of Israel to the end of the Persian period with special reference to the Canaanites, Mycenaeans, Philistines, Phoenicians, Assyrians, Chaldeans, and Persians. May be taught concurrently with HST 542. Cannot receive credit for both HST 542 and HST 642.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HST 643 History of the Arab-Israeli Conflict

The Arab-Israeli conflict in its historical and contemporary terms. The course covers three periods: The first period examines the roots of Arab and Jewish historical/biblical claims to Palestine before 1939. The second period from 1939 to 1982 analyzes the causes and effects of the Arab-Israeli wars. The third period from 1982 to 1991 covers the Israeli invasion of Lebanon, the Palestinian uprising (Intifada), and the peace process. May be taught concurrently with HST 543. Cannot receive credit for both HST 543 and HST 643.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 644 Women in Islam

This course examines the complexities of Middle Eastern culture through the lens of gender, focusing on women in Islamic society. Course will examine and critique current scholarly and journalistic literature (largely by Muslim women), films and documentaries, and current events in order to better understand current social, political, and economic developments in the Middle East. Special emphasis is on Egypt and Iran, which have enjoyed the lion's share of academic and legal attention. While the focus is on the modern Middle East, coverage also includes a historical review of scriptural roots and socio-political structures from the Middle Ages until today. The course has been designed as a quasi-seminar, where students meet in round-table fashion and discuss together readings that have been prepared in advance, in combination with lecture. May be taught concurrently with HST 544. Cannot receive credit for both HST 644 and HST 544.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 645 Medieval Europe

History of Medieval France, Germany, and the Papacy from the 5th Century to the 16th Century. May be taught concurrently with HST 545. Cannot receive credit for both HST 545 and HST 645.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

HST 648 The Renaissance

Europe from about 1320 to about 1550, in the transition period from Medieval civilization to Modern Civilization; history of ideas and culture. May be taught concurrently with HST 548. Cannot receive credit for both HST 548 and HST 648.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 649 The Reformation

Early modern period of European history, 1500-1648. Religious controversy, religious wars, growth of the secular state. May be taught concurrently with HST 549. Cannot receive credit for both HST 549 and HST 649.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 651 The French Revolution and the Napoleonic Era

Causes and phases of the Revolution in France; the expansion of the Revolution; rise and downfall of Napoleon. May be taught concurrently with HST 551. Cannot receive credit for both HST 551 and HST 651.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 653 History of Europe in the 19th Century, 1815-1918

Forces unleashed by the French Revolution and other movements, including liberalism, reaction, nationalism, industrialization, and imperialism. May be taught concurrently with HST 553. Cannot receive credit for both HST 553 and HST 653.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 655 Europe in the 20th Century

HST 655 Europe in the 20th Century

History of Europe from the First World War. Topics will include the persistence of war and violence in contemporary European history, the evolution of the state and economy during eras of crisis and growth, and the transformation of European society and culture across the 20th century. May be taught concurrently with HST 555. Cannot receive credit for both HST 655 and HST 555.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 659 Germany, 1815-Present

The unification process, the German Empire, Weimar Republic, Third Reich, Germany as a European Great Power. May be taught concurrently with HST 559. Cannot receive credit for both HST 559 and HST 659.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 663 History of Fascism

This course deals mainly with interwar fascist movements and regimes in Europe and examines such relevant questions as the intellectual origins of fascism; paramilitary violence after WWI; charismatic leadership; state terrorism; fascist art and propaganda; social policy; imperialism and war and genocide. It also examines the history of Right radical, fascist and post-fascist movement and regimes in Europe, Latin America (Argentina, Chile, Brazil and Peru), United States, South Africa, the Middle East (Egypt, Syria and Iraq) and Africa (Ghana, Nigeria, Congo, Uganda) after 1945. May be taught concurrently with HST 563. Cannot receive credit for both HST 663 and HST 563.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 664 History of the Holocaust

Envisioned as a multi-disciplinary class, this course examines the complex history of the Holocaust during the Second World War. It discusses such important topics as the life of Jewish communities in Germany and Eastern Europe before 1933; Jewish emancipation; the rise of political anti-Semitism; Hitler and the creation of the Third Reich; discrimination against racial outsiders and "asocials"; the life of Jews in Nazi Germany; the "twisted road to Auschwitz"; the historical debates on the origins of the genocide; the social and psychological make-up of the perpetrators; the role of bystanders both in Germany and other parts of Europe; Jewish resistance and finally the memory of the Holocaust in Germany, Israel, United States and Eastern Europe. May be taught concurrently with HST 564. Cannot receive credit for both HST 664 and HST 564.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 666 Victorian and Edwardian England

This course will examine the impact of industrialization; wealth, poverty and the rise of class; reform movements; origins of the welfare state;

This course will examine the impact of industrialization, wealth, poverty and the rise of class, reform movements, origins of the welfare state, emergence of the Labour party, and the slow eclipse of aristocratic power and influence. May be taught concurrently with HST 566. Cannot receive credit for both HST 566 and HST 666.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 671 China in the Twentieth Century

An intensive study of the transformation of China from a Confucian, Feudal state to a Communist world power. May be taught concurrently with HST 571. Cannot receive credit for both HST 571 and HST 671.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 673 History and Archaeology of the Middle East

Archaeology as a tool for historical inquiry is the focus of this course. In this course students will become familiar with the problems and methods of the discipline as they related to the larger questions of Middle Eastern history, including migration and settlement, the impact of war, land use and ecological issues, religion and identity, transformations of the traditional Middle Eastern household, and the relations between local society and the state. Topics covered in lectures and students' projects include the use of textual sources, palaeography, and other methodological challenges; historic preservation and heritage management; legal issues and the politics of archaeology; and museum work. Case studies in the course chronologically range from ancient to Ottoman-era sites, but the focus of the course is the medieval era (Byzantine, Crusader, Islamic). A series of lectures, hands-on work with the Jordan study collection, and documentaries will expose the student to the wide range of disciplines pulled into the service of archaeology and different methodologies. Special emphasis is placed on current fieldwork at Tall Hisban in Jordan and the Northern Jordan Project. Enrollment in this course is strongly encouraged for students interested in joining the Jordan Archaeology Field School as Study Away in the summers. May be taught concurrently with HST 573. Cannot receive credit for both HST 673 and HST 573.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HST 674 Jordan Archaeology Study Away

Prerequisite: permission of instructor.

Recommended Prerequisite: HST 673. This course is a formal archaeological field school--with field, lab, and classroom components--held on-site in Jordan as an MSU Study Away Program in the summers. The field school provides hands-on training in archaeological excavation and post-season object analysis techniques; students will also participate in several projects related to site presentation, architectural preservation, and community outreach that are running concurrently with the project. The field school rotates between the Tall Hisban excavations and the Northern Jordan Project (NJP), held at each site in alternative summers. Excursions to sites of archaeological, historical, religious, and cultural interest are organized on weekends. Students attending the field school are strongly encouraged to take HST 673 beforehand. The program, depending on the research objectives that year, will run 3-6 weeks. May be taught concurrently with HST 574. Cannot receive credit for both HST 674 and HST 574.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Summer

HST 682 Mexico from Colony to Nation

Mexican history from the colonial period to the Revolution of 1910. May be taught concurrently with HST 587. Cannot receive credit for both HST 587 and HST 682.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 688 Twentieth-Century Mexico

Mexico from the Revolution of 1910 to the present, emphasizing Mexico's influence upon the Cuban Nicaraguan and other revolutions; its role as a member of the Middle American Community and of Latin America at large. May be taught concurrently with HST 588. Cannot receive credit for both HST 588 and HST 688.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 697 Topics in History

The topics studied will change from term to term depending on the interests of professors and students. May be repeated as topics change. Variable Content Course. May be taught concurrently with HST 597. Cannot receive credit for both HST 597 and HST 697.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

HST 698 Internship in Public History

Prerequisite: permission of department head.

Supervised and approved work in a public or private agency which manages a museum, archive, or historic sites. One credit hour is awarded for each 40 hours of service. May be repeated for credit but only 3 hours may be counted towards the MA major in History. May be taught concurrently with HST 599. Cannot receive credit for both HST 599 and HST 698.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

HST 701 Historiography and Historical Method

Various philosophies of history and theories concerning method, purpose and meaning of history; problems of research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	3 **Lecture contact hours**	0 **Lab contact hours**	Fall **Typically offered**

HST 702 Secondary School Curriculum for the Social Studies

Foundation course in the development and organization of the secondary school curriculum with an emphasis toward issues within social studies curriculum. This course meets the MSED degree requirements for social studies or history majors only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 710 Ancient History Research Seminar

Prerequisite: HST 701.

A seminar in ancient history, providing a study in depth of a chosen topic as well as the historiography of the topic for the graduate student. May be repeated once for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 720 American History Readings Seminar

Recommended Prerequisite: HST 701. Readings in chosen periods and topics in American History for the graduate student. May be repeated once for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 724 American Empire Readings Seminar

Recommended Prerequisite: HST 701. This readings course introduces the graduate student to the history of American Empire, examining the ideological, political, economic, and social aspects of American expansion from colonial times to the present. The course also explores how diverse groups participated in and reacted to expansion, including the roles of race, gender, class, and religion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 725 The Upland South Readings Seminar

Recommended Prerequisite: HST 701. Readings in the history of the Upland South (the Ozarks and Appalachia) for the graduate student.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 730 American History Research Seminar

Prerequisite: HST 701.

In-depth study of a chosen topic as well as the historiography of the topic for graduate students.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 740 European History Readings Seminar

Recommended Prerequisite: HST 701. Readings in chosen periods and topics in European history for the graduate student. May be repeated once for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 750 European History Research Seminar

Prerequisite: HST 701.

In-depth study of a chosen topic as well as the historiography of the topic for the graduate student. May be repeated for credit with department consent.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 760 Latin American History Readings Seminar

Recommended Prerequisite: HST 701. Readings in chosen periods and topics in Iberian and Latin American history for the graduate student. May be repeated once for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 770 Ancient Near East History Readings Seminar

Recommended Prerequisite: HST 701. Readings in chosen periods and topics in Ancient Near East history for graduate student. May be repeated once for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

			Upon demand

HST 775 Middle East History Readings Seminar

Recommended Prerequisite: HST 701. This proseminar in the Middle East introduces students to the historiography of the medieval Middle East (defined as the Arab heartland, Persia, and Anatolia), familiarizing them with the range of primary and secondary sources available for study, methodological approaches to using them, and the most important debates in modern scholarship generated by them. Through seminar discussions and debates based on intensive reading, students learn and practice historical method, tailored to this field. Among the topics covered in this course are the nature (and pitfalls) of medieval Arabic texts; how archives are created; the development of medieval Islamic historiography by contemporary Muslim and modern historians; the problematic of medieval political theory in the Arab, Persian, and Turkish worlds; the development of classical Islamic institutions; alternative state forms and how they developed; the impact of developments in the Middle East for world history; and the transition in this region to the modern era.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 780 World History Research Seminar

Prerequisite: HST 701.

In-depth study, in African, East Asian, Latin American, or Middle Eastern history, of a chosen topic as well as the historiography of the topic for the graduate student. May be repeated up to 6 hours for credit with departmental consent.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HST 783 Women's History Primary Source Seminar

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources relating to women's history, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing, and teaching of history.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 784 The American Revolution Primary Source Seminar

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources relating to the American Revolution, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing, and teaching of history.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 785 The Civil War in Missouri Primary Source Seminar

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources relating to the Civil War in Missouri, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing, and teaching of history.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 786 American Social History Primary Source Seminar

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources relating to American social history, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing, and teaching of history.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 787 American Education Primary Source Seminar

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources relating to American education, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing, and teaching of history.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 790 World History Readings Seminar

Recommended Prerequisite: HST 701. Readings in chosen periods and topics in world history, comparative history, or a study involving at least two global areas such as diaspora studies. May be repeated up to 9 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 792 World History Primary Source Seminar

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources related to world history, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing and teaching of history.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HST 796 Readings in History

Prerequisite: permission of supervising professor and permission of department head.

Arranged program of readings for the individual student directed by a professor of the graduate faculty. May be repeated once for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

HST 799 Thesis

Prerequisite: permission of Director of History Graduate Program.

Independent research and study connected with preparation of thesis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

History

Major(s)

History (Non-Comprehensive)

Bachelor of Arts

A. General Education Program and Requirements
B. Major Requirements (39 hours):
   1. Core Requirements (18 hours)
      a. HST 121(3) and 122(3)
      b. HST 210(3), 390(3), 598(3)
      c. One of the following: HST 392(3), 393(3), 394(3)
   2. Complete six hours of courses chosen from two of the following areas:
      a. Africa: HST 323(3), 334(3), 335(3), 338(3), 339(3), 532(3)
      b. Asia: HST 380(3), 381(3), 382(3), 571(3)
      c. Latin America: HST 350(3), 383(3), 384(3), 395(3), 587(3), 588(3)
      d. Middle East: HST 370(3), 371(3), 541(3), 542(3), 543(3), 573(3), 574(3)
      e. Interregional and Cross-Regional: HST 340(3), 345(3), 369(3), 383(3), 384(3), 395(3), 504(3), 514(3), 529(3), 541(3), 563(3)
   3. Complete three hours in European history: HST 343(3), 351(3), 352(3), 353(3), 355(3), 356(3), 360(3), 361(3), 545(3), 548(3), 549(3), 559(3), 562(3), 566(3)
   4. Complete three hours in United States history: HST 312(3), 313(3) 314(3), 315(3), 324(3), 329(3), 331(3), 332(3), 375(3), 509(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3)
   5. Complete an additional nine hours of upper division history courses: HST 312(3), 313(3), 314(3), 315(3), 323(3), 324(3), 329(3), 331(3), 332(3), 334(3), 335(3), 338(3), 339(3), 340(3), 343(3), 345(3), 350(3), 351(3), 352(3), 353(3), 355(3), 356(3), 360(3), 361(3), 369(3), 370(3), 371(3), 375(3), 380(3), 381(3), 382(3), 383(3), 384(3), 395(3), 397(3), 496(3), 504(3), 509(3), 514(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 529(3), 531(3), 532(3), 536(3), 537(3), 538(3), 541(3), 542(3), 543(3), 545(3), 548(3), 549(3), 559(3), 562(3), 563(3), 564(3), 566(3), 571(3), 573(3), 574(3), 587(3), 588(3), 597(3), 599(3)
   6. Of courses in numbered items 2, 3, 4, and 5 above:
      a. At least two must be pre-modern history courses: HST 313(3), 315(3), 323(3), 324(3), 331(3), 335(3), 338(3), 340(3), 343(3), 345(3), 350(3), 351(3), 352(3), 360(3), 369(3), 370(3), 380(3), 383(3), 384(3), 395(3), 509(3), 514(3), 517(3), 518(3), 532(3), 538(3), 541(3), 542(3), 545(3), 548(3), 549(3), 573(3), 574(3), 587(3)
      b. At least two must be modern history courses: HST 312(3), 313(3), 314(3), 315(3), 323(3), 324(3), 329(3), 331(3), 332(3), 334(3), 335(3), 338(3), 339(3), 340(3), 350(3), 353(3), 355(3), 356(3), 361(3), 370(3), 371(3), 375(3), 381(3), 382(3), 383(3), 384(3), 395(3), 504(3), 509(3), 514(3), 517(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3), 543(3), 559(3), 562(3), 563(3), 564(3), 566(3), 571(3), 587(3), 588(3)
      c. At least one must be a 500 level American History course: HST 510(3), 514(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3)
      d. At least one must be a 500 level World History course: HST 504(3), 529(3), 532(3), 541(3), 542(3), 543(3), 545(3), 548(3), 549(3), 551(3), 553(3), 559(3), 562(3), 563(3), 566(3), 571(3), 573(3), 574(3), 587(3), 588(3)
      e. Public Affairs Capstone Experience will be fulfilled by completion of HST 598(3).
C. Minor Required (or second major)
D. Specific Bachelor of Arts Degree Requirements
E. General Baccalaureate Degree Requirements

History (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements (63-78 hours):
1. BS History Common Requirements (12 hours):
a. One of the following: PHI 105(3) or 115(3)
b. Both of the following: HST 103(3) and 104(3)
c. One of the following: ANT 320(3), ENG 321(3), MTH 340(3), MTH 545(3), PHI 305(3), PSY 200(3), SOC 302(3).
2. Core History Courses (18 hours):
a. HST 121(3), 122(3), 210(3), 390(3), 598(3)
b. One of the following: HST 392(3), 393(3), 394(3)
3. Complete six hours chosen from two of the following areas:
a. Africa: HST 323(3), 334(3), 335(3), 338(3), 339(3), 532(3)
b. Asia: HST 380(3), 381(3), 382(3), 571(3)
c. Latin America: HST 350(3), 383(3), 384(3), 395(3), 587(3), 588(3)
d. Middle East: HST 370(3), 371(3), 541(3), 542(3), 543(3), 573(3), 574(3)
e. Interregional and Cross-Regional: HST 340(3), 345(3), 369(3), 383(3), 384(3), 395(3), 504(3), 514(3), 529(3), 541(3), 563(3)
4. Complete three hours in European history: HST 343(3), 351(3), 352(3), 353(3), 355(3), 356(3), 360(3), 361(3), 545(3), 548(3), 549(3), 559(3), 562(3), 566(3).
5. Complete three hours in United States history: HST 312(3), 313(3), 314(3), 315(3), 324(3), 329(3), 331(3), 332(3), 375(3), 509(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3).
6. Complete an additional nine hours of upper division history courses: HST 312(3), 313(3), 314(3), 315(3), 323(3), 324(3), 329(3), 331(3), 332(3), 334(3), 335(3), 338(3), 339(3), 340(3), 343(3), 345(3), 350(3), 351(3), 352(3), 353(3), 355(3), 356(3), 360(3), 361(3), 369(3), 370(3), 371(3), 375(3), 380(3), 381(3), 382(3), 383(3), 384(3), 395(3), 397(3), 496(3), 504(3), 509(3), 510(3), 514(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 529(3), 531(3), 532(3), 536(3), 537(3), 538(3), 541(3), 542(3), 543(3), 545(3), 548(3), 549(3), 559(3), 562(3), 563(3), 564(3), 566(3), 571(3), 573(3), 574(3), 587(3), 588(3), 597(3), 599(3).
7. Of courses in numbered items 4, 5 and 6 above
a. At least two must be pre-modern history courses: HST 313(3), 315(3), 323(3), 324(3), 331(3), 335(3), 338(3), 340(3), 343(3), 345(3), 350(3), 351(3), 352(3), 360(3), 369(3), 370(3), 380(3), 383(3), 384(3), 395(3), 509(3), 514(3), 517(3), 518(3), 532(3), 538(3), 541(3), 542(3), 545(3), 548(3), 549(3), 573(3), 574(3), 587(3).
b. At least two must be modern history courses: HST 312(3), 314(3), 315(3), 323(3), 324(3), 329(3), 331(3), 332(3), 334(3), 335(3), 338(3), 339(3), 340(3), 350(3), 353(3), 355(3), 356(3), 361(3), 370(3), 371(3), 375(3), 381(3), 382(3), 383(3), 384(3), 395(3), 509(3), 514(3), 517(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3), 543(3), 559(3), 562(3), 563(3), 564(3), 566(3), 571(3), 587(3), 588(3).
c. At least one must be a 500 level American History Course: HST 510(3), 514(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3).
d. At least one must be a 500 level World History Course: HST 504(3), 529(3), 532(3), 541(3), 542(3), 543(3), 545(3), 548(3), 549(3), 551(3), 553(3), 559(3), 562(3), 563(3), 566(3), 571(3), 573(3), 574(3), 587(3), 588(3).
8. Public Affairs Capstone Experience will be fulfilled by completion of HST 598(3)
9. Complete one of the following four tracks. No more than six hours of History Core may be applied toward any one track.
a. Constitution and Law (18 hours):
1. Required courses (6 hours): HST 517(3) and PLS 419(3).
2. One of the following (3 hours): PLS 515(3) or PLS 517(3)
3. Nine additional hours of cross-disciplinary liberties and rights: CRM 210(3), CRM 260(3), ECO 435(3), JRN 407(3), LAW 231(3), LAW 531(3), LAW 537(3), PHI 340(3), PLN 570(3), PLS 515(3), PLS 517(3), PSY 320(3), PSY 359(3) or SOC 380(3).
b. American Studies: (24 hours)
1. Required: HST 313(3)
2. Nine hours from the following courses: HST 312(3), 314(3), 315(3), 324(3), 329(3), 331(3), 332(3), 375(3), 509(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3).
3. Twelve hours from the following cross disciplinary courses with at least three hours from each area:
a. Society and Culture: AAS 100(3), AAS 397(3), ANT 325(3), ANT 390(3), ANT 525(3), GRY 301(3), GRY 318(3), OZK 150(3), OZK 300(3), REL 131(3), REL 315(3), REL 344(3), REL 346(3), REL 390(3)
b. Politics, Economics and the Law: ECO 320(3), PLS 255(3), PLS 301(3), PLS 316(3), PLS 317(3), PLS 413(3), PLS 414(3), PLS 419(3), PLS 515(3), PLS 517(3), PLS 535(3).

c. Arts and Literature: ART 273(3), ART 385(3), ART 485(3), ENG 350(3), ENG 351(3), ENG 354(3), ENG 355(3), ENG 385(3), ENG 386(3), ENG 485(3), ENG 516(3), ENG 517(3), ENG 519(3), ENG 553(3), ENG 557(3), ENG 558(3), ENG 559(3), ENG 562(3), MED 325(3), MED 374(3), MED 375(3), MUS 347(3), THE 547(3).

c. International Studies Non-Language: (27 hours). 18 hours may count in other areas of degree

1. Twelve hours of non-US History courses in regional area of emphasis (six hours may count in major requirements)
2. Fifteen hours of cross disciplinary non-history courses in area of emphasis (from at least two separate disciplines approved by advisor) *
3. One to three hours of optional-experiential learning course with international emphasis (Study Away, Internship, or Service Learning)
4. Recommended Courses: Students may substitute courses only with their advisor's permission.
   a. Africa: ANT 330(3)*, ANT 331(3), ANT 332(3), ANT 490(3), ART 273(3), ART 386(3), CRM 415(3), ENG 355(3), ENG 363(3), ENG 455(3), GRY 507(3), PLS 550(3), SOC 336(3), SWK 219(3).
   b. Asian: ECO 345(3), ENG 362(3), GRY 305(3), LLT 215(3), PHI 314(3), PLS 545(3), REL 355(3), REL 357(3), REL 360(3).
   c. Latin America: ANT 330(3)*, ANT 331(3), ART 273(3), ART 385(3), ART 485(3), ENG 354(3)*, ENG 362(3)*, GRY 305(3)*, LLT 296(3)*, PLS 338(3)*, PLS 548(3), PTG 297(3)*, SOC 336(3), SPN 101(3), SPN 102(3), SPN 201(3), SPN 202(3), SPN 297(3)*, SPN 320(3), SPN 325(3), SPN 326(3), SPN 415(3).
   d. Middle East: ANT 335(3), ARB 101(3), ARB 102(3), ARB 201(3), ARB 202(3), ART 382(3), HBW 101(3), HBW 102(3), HBW 201(3), HBW 202(3), GRY 305(3), PLS 546(3), REL 330(3), REL 350(3), REL 397(3), SOC 397(3).
   e. European: ART 271(3), ART 272(3), ART 472(3), ART 475(3), ART 478(3), ENG 340(3), ENG 341(3), ENG 360(3), ENG 361(3), ENG 510(3), ENG 512(3), ENG 513(3), ENG 514(3), ENG 541(3), ENG 543(3), ENG 544(3), ENG 546(3), ENG 548(3), ENG 598(3), FRN 326(3), FRN 335(3), FRN 414(3), FRN 415(3), GRK 301(3), GRK 302(3), GRM 312(3), GRM 320(3), GRM 325(3), GRM 455(3), GRM 465(3), GRM 475(3), LLT 225(3), LLT 240(3), LLT 271(3), LLT 325(3), LLT 326(3), LTN 450(3), LTN 451(3), LTN 460(3), LTN 461(3), LTN 470(3), LTN 471(3), MCL 303(3), PHI 306(3), PHI 310(3), PHI 312(3), PLN 597(1-5), PLS 205(3), PLS 232(3), PLS 343(3), PLS 547(3), REL 340(3), SPN 325(3), SPN 450(3).

d. International Area Studies Language Track (27 hours). 18 hours may count in other areas of degree.

1. Six hours of a foreign language; or proficiency exam passed for 101 and 102 level foreign language; or evidence of proficiency approved by History Department advisor.
2. Nine to fifteen hours of non-US History courses in regional areas of emphasis (six hours may count in major requirements)
3. Twelve hours of cross disciplinary non-history courses in area of emphasis (from at least two separate disciplines approved by advisor)
4. One to three hours of optional experiential learning course with international emphasis (Study Away, Internship, or Service Learning)
5. Recommended Courses: Students may substitute courses only with their advisor's permission.
   a. Africa: ANT 330(3)*, ANT 331(3), ANT 332(3), ANT 490(3), ART 273(3), ART 386(3), CRM 415(3), ENG 355(3), ENG 363(3), ENG 455(3), GRY 507(3), PLS 550(3), (3), SOC 336(3), SWK 219(3).
   b. Asian: ART 274(3), ART 374(3), ECO 345(3), ENG 362(3), GRY 305(3), LLT 215(3), PHI 314(3), PLS 545(3), REL 355(3), REL 357(3), REL 360(3).
   c. Latin America: ANT 330(3)*, ANT 331(3), ART 273(3), ART 385(3), ART 485(3), ENG 354(3)*, ENG 362(3)*, GRY 305(3)*, LLT 296(3)*, PLS 338(3)*, PLS 548(3), PTG 297(3)*, SOC 336(3), SPN 101(3), SPN 102(3), SPN 201(3), SPN 202(3), SPN 297(3)*, SPN 320(3), SPN 325(3), SPN 326(3), SPN 415(3).
   d. Middle East: ANT 335(3), ARB 101(3), ARB 102(3), ARB 201(3), ARB 202(3), ART 382(3), HBW 101(3), HBW 102(3), HBW 201(3), HBW 202(3), GRY 305(3), PLS 546(3), REL 330(3), REL 350(3), SOC 397(3).
   e. European: ART 271(3), ART 272(3), ART 472(3), ART 475(3), ART 478(3), ENG 340(3), ENG 341(3), ENG 360(3), ENG 361(3), ENG 510(3), ENG 512(3), ENG 513(3), ENG 514(3), ENG 541(3), ENG 543(3), ENG 544(3), ENG 546(3), ENG 548(3), ENG 598(3), FRN 326(3), FRN 335(3), FRN 414(3), FRN 415(3), GRK 301(3), GRK 302(3), GRM 312(3), GRM 320(3), GRM 325(3), GRM 455(3), GRM 465(3), GRM 475(3), LLT 225(3), LLT 240(3), LLT 271(3), LLT 325(3), LLT 326(3), LTN 450(3), LTN 451(3), LTN 460(3), LTN 461(3), LTN 470(3), LTN 471(3), MCL 303(3), PHI 306(3), PHI 310(3), PHI 312(3), PLN 597(1-5), PLS 205(3), PLS 232(3), PLS 343(3), PLS 547(3), REL 340(3), SPN 325(3), SPN 450(3).

C. General Baccalaureate Degree Requirements

Minor(s)

History

Bachelor of Arts

Bachelor of Science

Bachelor of Social Work

A. HST 103(3) or 104(3); HST 121(3) or 122(3)
B. Select one of the following courses: HST 323(3), 335(3), 350(3), 370(3), 371(3), 380(3), 381(3), 541(3), 542(3), 543(3), 544(3), 571(3), 573(3), 574(3), 587(3)
C. Select nine additional hours in history for a total of 18 hours in minor.

History

Bachelor of Science in Education (Non-Certifiable)

A. HST 103(3) or 104(3)
B. HST 121(3) or 122(3)
C. Select one survey course in African, Asian, Latin American or Middle East civilization: HST 323(3), 335(3), 350(3), 370(3), 371(3), 380(3), 381(3)
D. Select one course in U.S. History: HST 313(3), 314(3), 315(3), 324(3), 329(3), 330(3), 331(3), 332(3), 340(3), 345(3), 375(3), 509(3), 510(3), 515(3), 516(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3)
E. Select one course in Ancient or European History: HST 340(3), 343(3), 353(3), 355(3), 356(3), 360(3), 361(3), 369(3), 541(3), 542(3), 545(3), 548(3), 549(3), 551(3), 553(3), 559(3), 562(3), 563(3), 564(3), 566(3)
F. Select three hours of HST elective at the 200 level or above.
G. Select two of the following: ANT 100(3), PLS 101(3), ECO 155(3), GRY 100(3), and SOC 150(3)
H. Select three hours of courses at the 200 level or above in one of the following areas: ANT, PLS, ECO, GRY, SOC.

Accelerated graduate Program in History

Eligible Missouri State undergraduate students may apply for admission to the History program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

History Education

Major(s)

History

Bachelor of Science in Education (Certifiable grades 9-12)

A. General Education Program and Requirements
B. Major Requirements (57 hours):
   1. HST 103(3), 104(3), 121(3), 122(3), 390(3)
   2. Select six hours in African, Asian, Latin American and/or Middle East civilization: HST 323(3), 334(3), 335(3), 338(3), 339(3), 350(3), 370(3), 371(3), 380(3), 381(3), 382(3), 532(3), 542(3), 543(3), 571(3), 573(3), 574(3), 587(3), 588(3), and variable topics courses when they cover one of these regions
   3. Select six hours in U.S. History: HST 312(3), 313(3), 314(3), 315(3), 324(3), 329(3), 331(3), 332(3), 340(3), 375(3), 509(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 531(3), 536(3), 537(3), 538(3), and variable topics courses when they cover U.S. history
   4. Select three hours in European history: HST 343(3), 351(3), 352(3), 353(3), 355(3), 356(3), 360(3), 361(3), 545(3), 548(3), 549(3), 559(3), 562(3), 564(3), 566(3), and variable topics courses when they cover European history
   5. Select three hours in World Interregional and Cross-Regional: HST 340(3), 344(3), 345(3), 369(3), 383(3), 384(3), 395(3), 504(3), 514(3), 529(3), 541(3), 563(3), and variable topics courses when they cover a related field
   6. Of courses in numbered items 2, 3, 4, and 5 above at least two must be at the 500 level: HST 504(3), 509(3), 514(3), 517(3), 518(3), 519(3), 521(3), 523(3), 524(3), 525(3), 528(3), 529(3), 531(3), 532(3), 536(3), 537(3), 538(3), 541(3), 542(3), 543(3), 545(3), 548(3), 549(3), 559(3), 562(3), 563(3), 564(3), 566(3), 571(3), 573(3), 574(3), 587(3), 588(3)
   7. In addition, a major in history to be certifiable must complete ANT100(3); GRY 100(3); SOC 150(3); PSY 121(3); ECO 155(3); PLS 101(3); and either PLS 205(3) or PLS 232(3)
   8. Select three additional hours from ANT, ECO, GRY, PLS, PSY, REL 100(3), 131(3), 210(3), 390(3); and SOC. Note: PSY 380, 385, or 390 cannot be used toward this requirement.
   9. Public Affairs Capstone Experience will be fulfilled by completion of HST 418(4).
   10. At least a 3.00 combined GPA (Missouri State and transfer) in the social science area (major field of study) which includes all courses listed under B
C. Professional Education Courses and Requirements. Note: A grade of “C” or better in each course is required for state certification.
   1. HST 418(4), 422(6-10), 423(2)
   2. Professional Education Required Core and Competencies - see Teacher Education Program
   3. Satisfy History program requirement of a minimum major GPA of 2.75 and a combined GPA (Missouri State and transfer) of 2.75 as a part of admission to teacher education.
   4. Satisfy History program requirement of a minimum major GPA of 3.00 and a combined GPA (Missouri State and transfer) of 2.75 as a part of approval for supervised teaching.
D. General Baccalaureate Degree Requirements
E. This program also requires compliance with the Teacher Education Program requirements for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.
   1. at least a 2.75 GPA on all course work attempted at all colleges attended
   2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
   3. at least a 3.00 GPA in any additional certificate subject area
   4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C"

4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

Accelerated graduate Program in History

Eligible Missouri State undergraduate students may apply for admission to the History program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Secondary Education/History

Eligible Missouri State undergraduate students may apply for admission to the Secondary Education/History program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of six hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Department of Military Science

Programs

Undergraduate

Military Science (Minor)

General information

Since 1952 the Military Science program (Army ROTC) has prepared college men and women for commissions as Second Lieutenants in the United States Army, the Army National Guard, and the Army Reserves. The ROTC program is divided into two elective courses; the Basic Course and the Advanced Course. Basic Course classes are open to all students. They each provide academic credit hours and may fulfill elective credit in any program. Students who enroll in Basic Course classes receive leadership, management, and confidence-building instruction which will be of great value in any career field they enter. Enrollment in the Advanced Course classes is restricted to students who meet departmental criteria and who willingly accept a commission as an Army officer with a military service obligation.

Basic course

The Basic Course encompasses two freshman and two sophomore Military Science classes. There are prerequisites for some of the classes, please check course descriptions for specifics. There is no military service obligation for enrolling in any of the Basic Course classes. The primary objective of the Basic Course is to provide college students with an understanding of the United States Army in general and Army ROTC in particular. Students wishing to contract as a Basic Course cadet will receive a monthly stipend of $300-$350. Additionally, students who complete three Basic Course classes and meet departmental criteria, qualify for enrollment in the Advanced Courses, if they decide to continue in the Military Science program to earn an officer's commission in the U.S. Army.

Advanced course

The Advanced Course consists of two 300-level and two 400-level Military Science classes (see class descriptions below). Enrollment in all Advanced Course classes is by departmental permission. The primary objective of the Advanced Course is to prepare qualified college students for military service as Second Lieutenants in the United States Army, the Army National Guard, and the Army Reserves. Students who are accepted into this program receive $450-$500 per month (tax-free) for 10 months of both their Junior and Senior years. Additionally, Advanced Course students attend a four-week Leader Development

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Assessment Course (LDAC), normally in the summer between their Junior and Senior year. Students receive a salary while at training, have meals and housing provided by the Army,

and receive paid travel to and from the training. Upon completion of the four Advanced Course classes, and a bachelor's degree, students are commissioned as Second Lieutenants in the U.S. Army. Students may compete to fulfill their military service full time in the active component of the U.S. Army or opt to serve in the Reserve component of the Army National Guard or Army Reserves.

All students in the Advanced Courses, prior to graduation, are required to take U.S. Military History, HST 315. Advanced Course students are also encouraged (but not required) to take a course in the fields of national security affairs and management, if their degree programs allow. Additionally, all Advanced Course students, ROTC Scholarship students, and contracted cadets must participate in a regularly scheduled physical fitness program and Leadership Labs.

Scholarships

The Army ROTC Scholarship program is open to all qualified, full time University students. Two four-year scholarships are awarded each year on a best qualified basis. Students need not be enrolled in Military Science classes to compete. Army ROTC Scholarships pay full tuition, required fees and book costs ($1,200/yr), plus a monthly tax free stipend of $300-$500 for 10 months of each school year of the scholarship. Students who receive an Army ROTC Scholarship incur a military service obligation which is completed after graduation either in the active or reserve components of the U.S. Army. Information on other available scholarships can be obtained from the department or from the Military Science website.

Advanced Camp

This course is ideal for incoming juniors, first-year master's students or transfer students who have decided they want an Army officer’s commission but have never taken a Military Science course, or had any previous military training. These students can still qualify for entry into the Advanced Course provided they have exactly two academic years remaining in their degree program. Attendance at Advanced Camp is four weeks in the summer and provides equivalent credit for the Basic Course, qualifying students for the Advanced Course. Students who elect to attend Advanced Camp also receive a salary, have meals and housing provided by the Army, and receive paid travel to and from the training. As a special incentive, students can compete for two-year Army ROTC Scholarships. These scholarships are awarded on the basis of college academic record, leadership potential, and Advanced Camp performance. As of 2010, all students who successfully complete Advanced Camp and contract into the ROTC Advanced Course receive a $5,000 signing bonus. Students can also receive 5 credit hours for attending Advanced Camp (see MIL 225).

Veterans

Student veterans of honorable military service (all branches of the Armed Forces, active and reserves) may be eligible for enrollment in the Advanced Course by virtue of their previous military training and experience, and with 60 credit hours. This option (called advanced placement) enables most military veterans to complete the ROTC program in just two years, rather than four. Veterans who elect this option do not lose any of their GI Bill entitlements and still receive the monthly $300-$500 tax free stipend from ROTC.

Uniforms and texts

Textbooks are supplied for all ROTC courses. Freshman and Sophomore students are furnished uniforms as needed. All contracted cadets/students are provided uniforms and

equipment as necessary.

MIL 225 and MIL 325 Fees

Students enrolling in MIL 225 and MIL 325 will be charged a flat fee of $150. This fee is *in place* of the per credit hour fee, not *in addition* to those fees.

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Missouri State

Office of the Registrar
Undergraduate Catalog

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Missouri State

Military Science Courses

Military Science (MIL) courses

MIL 101 Introduction to Military Science

This course focuses on Army organization, customs and courtesies, leadership and basic pistol and rifle marksmanship. Students will get the opportunity to handle, learn the maintenance and proper way to fire, both civilian and U.S. Army small arms weapons as well as spend one-two weeks learning Army rappelling techniques

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

MIL 102 Introduction to Basic Military Skills

This course builds on the foundational skills and techniques taught in MIL 101; military map reading and land navigation, pistol marksmanship, rappelling and additional leadership skills.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

MIL 125 Leadership Fitness

Prerequisite: permission of the instructor.

Development of individual fitness and acquire the skills necessary to lead group fitness training. May be repeated for a total of 3 hours, but only one credit hour may be used to satisfy the Physical Well-Being requirement in General Education for students completing general education requirements in effect prior to fall 1997.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	3	Upon demand

MIL 211 Basic Military Skills and Techniques

Prerequisite: MIL 101 and MIL 102 or permission.

This course is designed for students who desire accelerated instruction on rifle marksmanship, rappelling, communications, map reading (to

This course is designed for students who desire accelerated instruction on rifle marksmanship, rappelling, communications, map reading (to include the compass), patrolling and tactics. The student will be required to attend a laboratory on Thursdays if a contracted cadet. Students who are contracted are required to meet Army appearance standards.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	1	Fall

MIL 212 Military Fundamentals Practicum

Prerequisite: permission.

The class is designed for the military science students who desire accelerated instruction on rifle marksmanship, communications, map reading (to include the compass), and patrolling. The student will be required to wear a military uniform and meet Army appearance standards.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	1	Spring

MIL 220 Basic Military Science Fundamentals

Prerequisite: permission.

Organization and mission of ROTC; the role of the U.S. Army in American history and the application of the principles of war; leadership theory and practice; introduction to military operations and basic tactics; instruction in marksmanship, land navigation and communication.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-5			Summer

MIL 225 Basic Military Science Practicum

Prerequisite: permission.

A 6-week course conducted at Fort Knox, KY. The training is rugged and intensive with emphasis placed on leadership application, practical work and physical conditioning. Training will be conducted six days a week out-of-doors and requires active participation by all students. Enrolled students receive compensation for travel, lodging and food.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5			Fall, Summer

MIL 301 Military Leadership and Operations

Prerequisite: permission.

Introduction to small unit tactics; principles of military leadership, to include theory, responsibilities, techniques, and practice; branches of the U.S. Army, oral presentation techniques and practice. One field trip is required. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Fall

MIL 302 Military Skill Building

Prerequisite: permission.

Small unit tactics; applied military leadership (builds on knowledge gained in MIL 301) with special emphasis on the junior leader's duties and responsibilities. Two field trips are required. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Spring

MIL 325 Advanced Military Science Practicum

A prerequisite to receive a commission in the U.S. Army through R.O.T.C. and for MIL Science 411 and 412. The 5-week course is conducted at Fort Lewis, Washington. The instruction, training and evaluation focuses on the professional development issues required to become an Army Officer. The primary focus is on evaluating the student's leadership potential through this mentally and physically demanding camp. The training and evaluation is conducted seven days a week for five weeks and requires active participation by all students. The student is placed in leadership positions which require him/her to lead up to 120 fellow students for extended periods of time. Enrolled students receive compensation for travel, lodging and food.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	5	0	Fall, Summer

MIL 411 Military Qualification Skills for the Advanced Cadet

Prerequisite: permission.

Ethics and professionalism of the military officer; Army command staff functions; oral presentation techniques and practice; military leadership at junior officer level; world change and military obligations. One field trip is required. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Fall

MIL 412 Transition from Cadet to Lieutenant

Prerequisite: permission.

Military justice system; army supply and logistics procedures and responsibilities; officer management system; obligations and responsibilities of a military officer; military leadership at junior officer level. Two field trips are required. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Spring

MIL 496 Readings/Research in Military Science

Prerequisite: permission.

Planned readings and research on subjects in or related to Military Science. May be repeated for a total of 3 hours. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

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Missouri State

Office of the Registrar
Undergraduate Catalog

Military Science

Minor(s)

Military Science

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Education (Non-Certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

MIL 301(3), 302(3), 411(3), 412(3); HST 315(3)

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Missouri State

Department of Philosophy

Programs

Undergraduate

Philosophy (BA, BS, Minor)

Ethics and Social Policy (Minor)

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Missouri State

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Missouri State

Office of the Registrar
Undergraduate Catalog

Philosophy Courses

Philosophy (PHI) courses

PHI 105 Critical Thinking

Prerequisite: 12 hours.

General Education Course (Focus on Public Issues).

This course develops intellectual self-awareness by teaching the canons and skills of critical reasoning. Deductive and inductive reasoning, the application of logic to a variety of significant issues, and the relation between language and argumentation will be studied.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	PHIL 101 - Introduction to Logic.

Access the CORE 42 portal

PHI 110 Introduction to Philosophy

General Education Course (Focus on Humanities).

This course explores various ways of understanding the human self and its relation to the world. Through a consideration of what can be known, what is worth valuing, what reality is, and how human communities should be composed and regulated, the course deals with central themes that arise from the human quest for deeper self-understanding.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	PHIL 100 - Introduction to Philosophy.

Access the CORE 42 portal

PHI 115 Ethics and Contemporary Issues

Prerequisite: 12 hours.

General Education Course (Focus on Public Issues).

This course examines ethical principles and theories in relation to contemporary moral issues (e.g. euthanasia, capital punishment, economic justice, environmental issues, world hunger). Through a consideration of ideals of justice and human dignity, as well as concepts of rights

and responsibilities, it also explores the moral requirements for community and justified political order.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	PHIL 102 - Introduction to Ethics.



Access the CORE 42 portal

PHI 197 Perspectives in Philosophy

A variable content course designed to explore the philosophical significance of issues of cultural, social or individual importance. Students should consult the registration schedule to determine the topic to be covered in a given semester. The course may be repeated to a maximum of 6 hours as topics change.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PHI 300 Philosophical Ideas in Literature

Selected works of Western literature in light of their relation to historical trends in philosophy and philosophical speculation in the areas of metaphysics, epistemology, value theory, social and political philosophy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PHI 301 Service Learning in Philosophy

Prerequisite: 30 hours and permission, and concurrent registration in a Philosophy course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in philosophy to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

PHI 302 Environmental Ethics

This course critically examines various philosophical viewpoints that bear upon ethical issues concerning the environment. Among the questions examined are the following: Must concern for the environment revolve around human concerns? Do animals have rights? Does nature have intrinsic value that must be respected regardless of effects upon humans? What is the relative importance of aesthetic or economic values to environmental questions? Do we have obligations to protect resources for future generations?

economic values to environmental questions? Do we have obligations to protect resources for future generations?

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PHI 305 Elements of Symbolic Logic

An introduction to the use of symbolic techniques to represent and evaluate arguments from everyday usage. There is an emphasis upon the student's development of an understanding of the methods and concepts of present day logic.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PHI 306 History of Western Philosophy: Ancient

Historical study of ancient philosophy based on the reading of representative writings of major philosophers.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PHI 310 History of Western Philosophy: Modern

A survey of the major philosophies of the modern period in the Western World, 1550 to 1850, including the work of philosophers who stand in the traditions of Continental rationalism, British empiricism, and German idealism.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PHI 312 Contemporary Continental Philosophy

An examination of contemporary European philosophical thought including significant writings from important individual philosophers and from major movements of the period, such as Existentialism, Phenomenology, Frankfurt School, Structuralism and/or Deconstruction.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PHI 314 Asian Philosophy

This course compares and evaluates the major philosophies of the Eastern world. It treats selected topics from Indian, Chinese, and Japanese philosophies and examines the basic ideas that underlie the religious and moral viewpoints of these traditions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PHI 315 Philosophy of Religion

The philosophy of religion is the application of philosophical reflection to the concepts and theses of religion. Accordingly, this course ranges over a variety of issues, which may include the existence of the divine, the nature of the divine, modes of knowing the divine, the theological significance of evil in the world, the relationship between the divine and morality, and survival after death.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PHI 319 Feminist Philosophy

This course examines the major strands of feminist philosophy. It focuses in particular on how issues of gender affect ethical theories and theories of knowledge.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PHI 320 Aesthetics

Representative philosophical theories concerning the nature of aesthetic value; the bases of judgments in the arts and literature. Primarily intended for upper division students concentrating in the fine arts, literature or philosophy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PHI 330 Introduction to Political Theory

Prerequisite: PLS 101.

An introduction to the study of political theory by examining the central questions that animate our attempt to understand and secure the "good life." These concerns include: the nature and significance of politics; the origin and character of legitimate authority; and the meaning of freedom, the value of citizenship, and the education in virtue and in rights that are necessary to both individual liberty and civic greatness. Bringing insights from classical and modern texts to bear on these fundamental questions of public life, we aim to articulate and defend our own understanding of the ethical obligations and responsibilities that citizens owe to one another. Identical with PLS 330. Cannot receive credit for both PHI 330 and PLS 330.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PHI 331 Philosophy of Psychology

A survey of prominent theories in the philosophy of mind and theoretical psychology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

PHI 336 Knowledge and Reality: Contemporary Approaches

This course will investigate questions involving knowledge and reality, focusing on philosophers who wrote at some time from the latter half of the 19th century up to the present day. The questions will typically be from among the following: What is "knowing"? How are claims to be justified to count as knowledge? Do different types of knowledge require a single type of justification, or do they have different types? Does science have a privileged role in knowing what's real? If so, what is it about science that provides for this? Is reality given or is it constructed/constituted in some way? If the latter, how is this done? Do any of these play a role in that construction/constitution: brain-structure, perception, concepts and conceptual schemes, language, power relations, human activity? What are the basic features of reality? Physical stuff, time, natural kinds, laws of nature, power, events, history, possible worlds? Are common and/or philosophical ways of thinking about the world "metaphysical", as many have claimed? What exactly is meant by "metaphysical".

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PHI 340 Philosophy of Law

This course is an introduction to the philosophy of law through a study of some of its major issues. Questions to be considered in the course may include "Is an unjust law no law at all?," "How robust is our obligation to follow the law, and what grounds that obligation?," "What is the purpose of law?," "Do we have natural rights?," "Is paternalism justified?," and "How do we justify legal punishment?"

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PHI 342 Global Ethics

As the planet becomes increasingly interconnected, and increasingly burdened by a burgeoning population, issues of global ethics have taken on a heightened urgency. This course examines competing perspectives on a variety of ethical issues with global dimensions, such as human rights, world hunger and poverty, overpopulation, sweatshops, immigration, nationalism, war, terrorism, genocide, and global warming. Students should emerge better prepared to act as global citizens capable of nuanced moral reasoning.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PHI 345 Theories of Ethics

This course examines various theories of ethics. Topics may include the rationality and objectivity of morality, the meaning of moral language, and the nature of and differences between deontological, utilitarian, sentimentalist, and virtue theories.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PHI 350 Philosophy and Public Affairs

Addresses three elements of MSU's public affairs mission, with a special focus on the ethical leadership aspect. Dividing the concept, the course will begin with discussion of the "ethical" prong, examining several traditional approaches to character information and ethical decision-making. Moving to the leadership prong, students will look at issues of justice and communication. Synthesizing the two, the course will conclude with examination of how one exhibits ethical leadership in relationships with friends and family, and in the work environment, and in the global sphere. Discussion of these relationships will be connected to the elements of cultural competence and community engagement. Throughout, the focus will be on the role of influence, integrity, and individual responsibility and obligations in the practice of ethical leadership. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PHI 397 Seminar in Philosophy

Research in selected topics in philosophy. May focus on ideas of one or more thinkers, a philosophic issue or a branch of philosophy. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

PHI 496 Philosophy Tutorial

Prerequisite: permission of department head.

Individual conference course for students with specialized interests in particular areas of philosophy not covered in regular courses. Includes independent research, progress reports and term papers. Enrollment requires advance agreement on topic.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-4			Upon demand

PHI 513 Bioethics

An introduction to central ethical questions that arise in the area of bioethics, and to the resources various ethical theories offer for resolving those questions. In addition to a brief overview of contemporary moral theory, the course will discuss issues such as euthanasia, informed consent, proxy decision making, experimental research on humans and health care allocation. Specific cases will be discussed and analyzed

throughout the semester. May be taught concurrently with PHI 613. Cannot receive credit for both PHI 613 and PHI 513.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PHI 596 Selected Topics in Philosophy

Prerequisite: permission of department head.

Individual conference course for graduate students with specialized interests in particular areas of philosophy not covered in regular courses. May include independent research, progress reports and term papers. Enrollment requires advance agreement on topic. May be taught concurrently with PHI 696. Cannot receive credit for both PHI 696 and PHI 596.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-4			Upon demand

PHI 613 Bioethics

An introduction to central ethical questions that arise in the area of bioethics, and to the resources various ethical theories offer for resolving those questions. In addition to a brief overview of contemporary moral theory, the course will discuss issues such as euthanasia, informed consent, proxy decision making, experimental research on humans and health care allocation. Specific cases will be discussed and analyzed throughout the semester. May be taught concurrently with PHI 513. Cannot receive credit for both PHI 513 and PHI 613.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PHI 696 Selected Topics in Philosophy

Prerequisite: permission of department head.

Individual conference course for graduate students with specialized interests in particular areas of philosophy not covered in regular courses. May include independent research, progress reports and term papers. Enrollment requires advance agreement on topic. May be taught concurrently with PHI 596. Cannot receive credit for both PHI 596 and PHI 696.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-4			Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Philosophy

Major(s)

Philosophy (Non-Comprehensive) (BA)

Bachelor of Arts

A. General Education Program and Requirements
B. Major Requirements*
   1. Logic and Analytical Reasoning: PHI 305(3)
   2. Moral Theory: PHI 345(3)
   3. Applied Ethics. Select three hours from: PHI 302(3), 340(3), 342(3), 513(3)
   4. History of Philosophy. Select six hours from: PHI 306(3), 310(3), 312(3)
   5. Theory of Knowledge and Metaphysics. Select three hours from: PHI 331(3), 336(3)
   6. Philosophical Perspectives and Area Studies. Select three hours from: PHI 300(3), 314(3), 315(3), 319(3), 320(3); PHI 330(3) or PLS 330(3)
   7. Public Affairs Capstone Experience requirement: PHI 350(3)
   8. Complete an additional 9 hours of Philosophy courses. Major requires a minimum of 33 hours including at least 24 hours of upper division credit in the discipline.
      **PHI 197, PHI 397, and PHI 496 may satisfy a distribution requirement for the major or minor when their topics are deemed suitable by the department.*
C. Minor Required (or second major)
D. A BA major in Philosophy may be combined with the Ethics and Social Policy minor only where students satisfy the stated course requirements for both major and minor and complete additional upper division hours for the major, as needed, wherever courses that satisfy the major requirements are used to satisfy the minor. Accordingly, a student combining a BA major in Philosophy with the Ethics and Social Policy minor must complete at least 51 hours of Philosophy courses.
E. Specific Bachelor of Arts Degree Requirements
F. General Baccalaureate Degree Requirements

Philosophy (Non-Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements*

   1. Logic and Analytical Reasoning: PHI 305(3)
   2. Moral Theory: PHI 345(3)
   3. Applied Ethics. Select three hours from: PHI 302(3), 340(3), 342(3), 513(3)
   4. History of Philosophy. Select six hours from: PHI 306(3), 310(3), 312(3)
   5. Theory of Knowledge and Metaphysics. Select three hours from: PHI 331(3), 336(3)
   6. Philosophical Perspectives and Area Studies. Select three hours from: PHI 300(3), 314(3), 315(3), 319(3), 320(3); PHI 330(3) or PLS 330(3)
   7. Public Affairs Capstone Experience requirement: PHI 350(3)
   8. Complete an additional 9 hours of Philosophy courses. Major requires a minimum of 33 hours including at least 24 hours of upper

division credit in the discipline.

PHI 197, PHI 397, and PHI 496 may satisfy a distribution requirement for the major or minor when their topics are deemed suitable by the department.

C. Minor Required (or second major)
D. A BS major in Philosophy may be combined with the Ethics and Social Policy minor only where students satisfy the stated course requirements for both major and minor and complete additional upper division hours for the major, as needed, wherever courses that satisfy the major requirements are used to satisfy the minor. Accordingly, a student combining a BS major in Philosophy with the Ethics and Social Policy minor must complete at least 51 hours of Philosophy courses.
E. General Baccalaureate Degree Requirements

Minor(s)

Philosophy

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

Bachelor of Social Work

A. Select either PHI 105(3) or 305(3).
B. Complete PHI 350(3)
C. Select one course in Ethics: PHI 302(3), 340(3), 342(3), 345(3), 513(3).
D. Select one course in the History of Philosophy: PHI 306(3), 310(3), or 312(3).
E. Complete an additional six hours of Philosophy courses. Minor requires a minimum of 18 hours including at least 12 hours of upper division credit.

Each instance of PHI 197, PHI 397, and PHI 496 may satisfy one of minor distribution requirements when its topic is deemed suitable by the department.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Ethics and Social Policy

Minor(s)

Ethics and Social Policy

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

Bachelor of Social Work

A. PHI 115(3), 340(3), 345(3), 350(3)
B. Complete two courses from: PHI 302(3), 342(3), 513(3)

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Political Science

Programs

Indicates accelerated graduate program is available

Undergraduate

Fire Administration (Certificate, Minor)

International Relations (Minor)

Political Science (BA, BS, Minor)

Public Administration (Minor)

Public Law (Minor)

Terrorism and National Security (Certificate)
Interdisciplinary program offered by Department of Criminology and Criminal Justice and Department of Political Science

Graduate

Economic Development (Certificate)

Global Studies, Master of (MGS)

Local Government Management (Certificate)

Public Administration, Master of (MPA)

Public Management (Certificate)

Public Policy (Certificate)

Public Safety (Certificate)

Courses are offered toward the option in Homeland Security and Defense within the Administration Studies program (MS)

Courses are offered toward the certificate in Homeland Security and Defense

Accreditation

Network of Schools of Public Policy, Affairs, and Administration-Commission on Peer Review and Accreditation – Master of Public Administration (MPA)

Contact

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Missouri State

Political Science Faculty

Distinguished professor

Dennis V. Hickey, PhD

Professors

George E. Connor, PhD

Mark C. Ellickson, PhD

Joel W. Paddock, PhD

Yuhua Qiao, PhD

David Romano, PhD

Patrick G. Scott, PhD

Associate professors

David E. A. Johnson, PhD

James B. Kaatz, PhD

Ashley E. Leinweber, PhD

Gabriel Ondetti, PhD

Indira Palacios-Valladares, PhD

Kevin Pybas, PhD

Assistant professor

Sara Henary, PhD

Instructor

Nick L. Beatty, MA

Emeritus faculty

Gordon D. Friedman, PhD

Beat Kernen, PhD

Kant B. Patel, PhD

Robert Peace, MGA

Denny E. Pilant, PhD

Mark E. Rushefsky, PhD

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Missouri State

Office of the Registrar
Undergraduate Catalog

Political Science Courses

Political Science (PLS) courses

PLS 101 American Democracy and Citizenship

General Education Course (Focus on Constitutions of US and Missouri and American History and Institutions).

This course familiarizes students with the institutions and constitutional framework of the United States and Missouri. The course emphasis is on the values, rights, and responsibilities that shape the public decision making of active and informed citizens and influence contemporary public affairs in a democratic society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	POSC 101 - American Government.

Access the CORE 42 portal

PLS 102 Introduction to American Public Policy

Prerequisite: PLS 101.

This course deals with the process of policy formulation and with the historical development of specific public policies in such fields as economics, foreign affairs, education, business and labor, social welfare, criminal justice, health and environment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PLS 169 Introduction to Political Science

An introduction to the contemporary concerns and historical development of political science as a social science and as a mode of critical thinking about politics and society. Emphasis is upon acquainting students with the scope of intellectual inquiry and the specialized sub-fields of study of modern political science rather than with the particular characteristics of American government and politics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PLS 205 Introduction to Comparative Government

Prerequisite: PLS 101.

An introductory comparative study of the principles, techniques, and policy issues of government in constitutional democracies and authoritarian regimes. The course focuses on selected West European (Britain, France, Germany) and non-West European (Japan, Mexico, Russia) countries, and the evolution of the European Community.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	POSC 202 - Introduction to Comparative Politics.

Access the CORE 42 portal

PLS 232 International Relations

Prerequisite: PLS 101.

Conflict and cooperation in the nation-state system. Theories on international organization, power politics, regional integration, nationalism, war. Problems of developing areas such as Africa, Latin America and Southeast Asia.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	POSC 201 - International Relations.

Access the CORE 42 portal

PLS 255 Public Administration

Prerequisite: PLS 101.

American administrative organization and activities; centralization, decentralization and relations between the administration and other branches of government.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PLS 300 Service Learning in Political Science

Prerequisite: 30 hours; and concurrent registration in a Political Science course designated as a service learning offering; and permission.

This service component for an existing course incorporates community service with classroom instruction in Political Science to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

PLS 301 U.S. National Security

This class examines American national security from the cultural, institutional and policy perspectives. It will pay close attention to those enduring factors that shape American defense policies as well as exploring developments that have modified America's approach to security. Moreover, in addition to studying the structure and operation of today's policymaking process, the course will investigate the way the process has evolved in the past fifty years and will analyze the way key policies are produced and implemented by the U.S. government. Finally, reflecting changes in the world and in the field of national security studies, the course will cover not only the traditional concerns of national security (e.g., creation and use of military force for physical security of the territorial-state), but also the definition and achievement of individual and global security in the face of non-military problems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 315 Federalism and Intergovernmental Relations

Prerequisite: PLS 101.

Nature of American Federalism and the dynamics of intergovernmental relationships; the course examines the role of the national and the state governments in intergovernmental relations as well as the state, local, interstate and interlocal relations. Issues of federal grants, fiscal outlook of cities, problems of inner cities, and metropolitan governments are also discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 316 Political Parties, Elections and Interest Groups

Prerequisite: PLS 101.

A survey of the nature, evolution and functions of parties, elections and interest groups in the United States. An emphasis will be placed on the role played by these institutions in linking citizens to the public policy process.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 317 American Political Behavior

Prerequisite: PLS 101.

An examination of various approaches to analyzing mass and elite political behavior in the United States. An emphasis will be placed on survey research, public opinion, political socialization, political psychology and voting behavior.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (even-numbered years)

PLS 319 Women in Politics

Prerequisite: PLS 101.

A survey of various aspects of the role of women in politics. The course will include an examination of the place of women in political history, women as political leaders, the ways in which women impact government, and public policies relating to women and families.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

PLS 330 Introduction to Political Theory

Prerequisite: PLS 101.

An introduction to the study of political theory by examining the central questions that animate our attempt to understand and secure the "good life." These concerns include: the nature and significance of politics; the origin and character of legitimate authority; and the meaning of freedom, the value of citizenship, and the education in virtue and in rights that are necessary to both individual liberty and civic greatness. Bringing insights from classical and modern texts to bear on these fundamental questions of public life, we aim to articulate and defend our own understanding of the ethical obligations and responsibilities that citizens owe to one another. Identical with PHI 330. Cannot receive credit for both PLS 330 and PHI 330.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PLS 333 Model United Nations

Prerequisite: permission.

This course is designed to provide an opportunity for in-depth role playing that leads to a better understanding of the United Nations and other regional and international organizations. Course work includes the study of current events, important international disagreements, key international conventions, and the protocol and procedures of UN diplomacy. Students will prepare for participation in the American Model United Nations conference and other international organization simulations as representatives of Missouri State University.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

PLS 338 Politics of Less Developed Countries

This course offers a road introduction to the politics of poorer, or "less developed" countries, a category that includes about three-quarters of the world's sovereign states and the vast majority of the global population. It will focus on two major themes: the quest for rapid economic

development and the challenge of establishing a democratic political system. Students will also learn about the politics of a number of individual countries in Africa, Asia and Latin America.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (even-numbered years)

PLS 343 Post-Soviet Politics

Prerequisite: PLS 101.

The politics and governments of the former Soviet Union, its Marxist-Leninist ideology, and the dominant role of the Communist Party will be used to illustrate the dramatic changes having taken place since 1991. Political and economic reforms introduced by Gorbachev will be highlighted, and reasons for the Soviet Union's subsequent collapse and the establishment of Russia and other Independent States of the former Soviet Union will be discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 351 Municipal Government and Administration

Prerequisite: PLS 101.

A study of the structures and functions of city governments with emphasis on their relations to the state, their legal positions as municipal corporations and the management of municipal services.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 355 Emergencies, Disasters and Catastrophes

This survey course is designed to examine the wide range of public safety-related incidents from the daily emergencies handled by local government through disasters on the state levels to catastrophes on the national and international levels. The students will examine how these terms are defined, the role of public safety agencies (governmental, NPA and private) and how these incidents occurred and are managed. Students will be familiarized with various public safety services provided by municipal, state, and federal agencies. They will explore, via lectures, discussions, videos and readings, the provision of services, the role of public safety managers, municipal managers and elected officials.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 360 Fire and Emergency Services Administration

Prerequisite: permission of instructor.

This course is designed to be a primer for students who want more knowledge about fire and emergency services administration. The course demonstrates the importance of the following skills, necessary to manage and lead a fire and emergency services department through the challenges and changes of the 21st century: Persuasion and influence, accountable budgeting, anticipation of challenges and the need for change, and using specific management tools for analyzing and solving problems. A central part of the course focuses on how the leadership of a fire and emergency services department develops internal and external cooperation to create a coordinated approach to achieving the department's mission. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 361 Community Risk Reduction for the Fire and Emergency Services

Prerequisite: permission of instructor.

This course provides a theoretical framework for the understanding of the ethical, sociological, organizational, political, and legal components of community risk reduction, and a methodology for the development of a comprehensive community risk reduction plan.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 362 Political and Legal Foundations for Fire Protection

Prerequisite: permission of instructor.

This course examines the legal aspects of the fire service and the political and social impacts of legal issues. This course includes a review of the American legal system and in-depth coverage of legal and political issues involving employment and personnel matters, administrative and operational matters, planning and code enforcement, and legislative and political processes with regard to the fire service.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 363 Personnel Management for the Fire Service

Prerequisite: permission of instructor.

This course examines relationships and issues in personnel administration and human resource development within the context of fire-related organizations, including personnel management, organizational development, productivity, recruitment and selection, performance management systems, discipline, and collective bargaining. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 364 Fire Prevention Organization and Management

Prerequisite: permission of instructor.

This course examines the factors that shape fire risk and the tools for fire prevention, including risk reduction education, codes and standards, inspection and plans review, fire investigation, research, master planning, various types of influences, and strategies. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

PLS 365 Applications of Fire Research

Prerequisite: PLS 576 or equivalent and permission of instructor.

This course examines the basic principles of research and methodology for analyzing current fire-related research. The course also provides a framework for conducting and evaluating independent research in the following areas: fire dynamics, fire test standards and codes, fire safety, fire modeling, structural fire safety, life-safety, firefighter health and safety, automatic detection and suppression, transportation fire hazards, risk analysis and loss control, fire service applied research and new trends in fire-related research. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

PLS 397 Mini Course in Political Issues

Prerequisite: permission of instructor.

A course upon a single topic of current interest; subject will vary from semester to semester and from section to section depending upon student interest and faculty availability. May be repeated for credit to a maximum of 3 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

PLS 413 The American Executive

Prerequisite: PLS 101.

Changing powers and functions of the executive branches of the national and state governments of the United States in the 20th Century; constitutional, administrative and political problems involved.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 414 The Legislative Process

Prerequisite: PLS 101.

Theory, principles, procedures and problems of the legislative process in democratic societies; operation of American state and national

Theory, principles, procedures and problems of the legislative process in democratic societies; operation of American state and national legislatures.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

PLS 419 The Judicial Process

Prerequisite: PLS 101.

Sources and nature of law; historical, sociological and philosophical approaches to legal theory. Role of the judiciary as an aspect of the study of political behavior; policy significance and consequences of what judges do and how they do it. Illustrated by case study in selected areas of American constitutional law.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (even-numbered years)

PLS 437 International Organizations and Law

Prerequisite: PLS 101.

A study of the role of international organizations, both governmental and non-governmental, in regional and global international politics. A comparison of international organizations and other political institutions. A casebook and lecture examination of the principal elements of international law. A topical approach to governing principle will introduce current problems and define probable trends.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

PLS 439 Playing Games with the World

A course designed to explore theories and paradigms of international relations via popular culture, simulations and games. May be taught concurrently with PLS 639. Cannot receive credit for both PLS 439 and PLS 639.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

PLS 443 Nationalisms and Islamisms of the Middle East

This is an introductory course on selected ideologies of the Middle East in seminar form; it presupposes only basic knowledge of the region as well as previous exposure to comparative politics. The course surveys the historical and political trajectories of selected nationalisms and Islamist ideologies in the Middle East: Pan-Arabism, various Arab territorial nationalisms, Zionisms, Turkish nationalisms, Kurdish nationalisms and various strains of Islamism. May be taught concurrently with PLS 649. Cannot receive credit for both PLS 443 and PLS 649.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	3 **Lecture contact hours**	0 **Lab contact hours**	Fall (even-numbered years) **Typically offered**

PLS 492 Program Assessment

Prerequisite: permission.

Recommended Prerequisite: senior standing. Required assessment of undergraduate political science programs in the department. All students majoring in political science are required to enroll in this course during their senior year and pass a Major Field Achievement Test (MFAT). The focus is on program assessment and development rather than on individual student evaluation. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0			Fall, Spring

PLS 493 Part-time Internship in Political Science

Prerequisite: 75 hours; and 15 hours in Political Science; and 3:00 GPA; and advance permission of department head.

Supervised and departmentally approved part-time work experience related to Political Science in public or private sector. Approximately 16 weeks of 15 on-the-job hours per week requirement, in addition to fulfillment of academic requirements. Restricted to Political Science majors and minors. Only 6 hours will be counted toward the major and 3 hours toward the minor. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

PLS 494 Full-time Internship in Political Science

Prerequisite: 75 hours; and 15 hours in Political Science; and 3:00 GPA; and advance permission of department head.

Supervised and departmentally approved full-time work experience related to Political Science in public or private sector. Approximately 8 weeks of 40 on-the-job hours per week for 3 hours credit or 16 weeks of 40 on-the-job hours per week for 6 hours credit, in addition to fulfillment of academic requirements. Restricted to Political Science majors. Only 6 hours will be counted toward the major. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-6			Upon demand

PLS 495 Senior Honors Project in Political Science

Prerequisite: permission.

An individualized research project in a selected field of political science or public administration. The project will involve the preparation of a project proposal in cooperation with an appropriate faculty member serving as project advisor who will approve it along with the Head of the Political Science Department and Director of the Honors College. Variable Content Course. May be repeated to maximum of 6 hours total credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

PLS 496 Independent Study in Political Science

Prerequisite: permission.

Recommended Prerequisite: 2.50 GPA; and junior or senior standing. Students should consult with a professor of the department who specializes in the subject and with the professor's consent present a written proposal to the department head for final approval. Proposals should be presented for approval before final registration for the term in which the independent study is to be done. Only one approved independent study program may be taken in any semester. A maximum of 6 semester hours of credit in PLS 496 may be counted on a major in Political Science and 3 semester hours of credit on a minor in Political Science or Public Administration. Written work will be required in PLS 496 in addition to reading assignments and/or research activities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PLS 497 Special Topics

A course designed to provide a means of study for topics not addressed elsewhere in the curriculum. May be repeated up to a maximum of 9 hours. Variable content course. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

PLS 498 Part-time Internship in Public Administration

Prerequisite: 75 hours; and 15 hours in Political Science; and 3:00 GPA; and advance permission of department head.

Supervised and departmentally approved fieldwork in a local, state, or national government agency, in addition to fulfillment of academic requirements. Restricted to Political Science majors, Political Science minors, and Public Administration minors. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

PLS 515 Constitutional Law I: Powers and Constraints

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. This course examines the powers and limitations of the United States government, including: the institutional authority of the legislative, executive, and judicial departments; separation of powers; federalism; the commerce power, taxing and spending authority, and economic liberties. A careful study of U.S. Supreme court decisions is emphasized, with particular focus on the political, moral, and social impact these decisions have had on life in America.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 517 Constitutional Law II: Liberties and Rights

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. This course examines the civil liberties and civil rights of individuals, including: religious liberty, freedom of speech, the right to privacy, protections against discrimination based on race, gender, and sexual-orientation, and voting and representation rights. A careful study of U.S. Supreme Court decisions is emphasized, with particular focus on the political, moral, and social impact these decisions have had on life in America.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 520 The U.S. Constitution and Equality

This course helps develop skills necessary for cultural competence in that our primary purpose is to consider the meaning of the Equal Protection Clause of the Fourteenth Amendment. Specifically, our focus will be on constitutional protection against discrimination based on race, gender, and sexual orientation. This will occur through a careful study of U.S. Supreme Court decisions interpreting the Fourteenth Amendment and secondary sources on same.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 535 American Foreign Policy

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. An analysis of American foreign policy. The course explores the various governmental institutions and societal forces which shape American foreign policy. The major emphasis is on American foreign policy since World War Two. Current issues in American foreign policy are discussed in light of contemporary theoretical and methodological approaches. May be taught concurrently with PLS 635. Cannot receive credit for both PLS 635 and PLS 535.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 544 Government and Politics of the Middle East

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. Political systems, processes and problems of the Middle East, considered both regionally and in the perspective of separate nation-states, from the beginning of the modern period about 1800 to the present. May be taught concurrently with PLS 644. Cannot receive credit for both PLS 644 and PLS 544.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 545 Asian Politics

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. A comparative study of the political and economic systems of contemporary Asia with emphasis on Japan, Korea, mainland China and Taiwan. Ideologies and strategies pursued by selected Asian governments are covered. Includes an assessment of contemporary economic, political and security issues in the region. America's economic, political and strategic ties with the region are also explored. May be taught concurrently with PLS 645. Cannot receive credit for both PLS 645 and PLS 545.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 546 Political Violence and Terrorism

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. The systematic study of political violence in its different forms. The course content is structured along a continuum, ranging from small scale violence to mass violence-assassinations, terrorism by sub-national and transnational organizations, state terror and genocide. May be taught concurrently with PLS 646. Cannot receive credit for both PLS 646 and PLS 546.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 547 Politics of the European Union and Its Members

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. This course will focus on the historical evolution of the European Union (EU) since the 1950s, the ongoing integration process within the organization (vertical integration), and its enlargement beyond the present members (horizontal integration). It will also address the EU's position in global and regional politics, its links to the United States, and the development of international governmental organizations. May be taught concurrently with PLS 647. Cannot receive credit for both PLS 647 and PLS 547.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 548 Latin American Politics

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. Broad introduction to the politics of Latin America. Although it will offer substantial historical background, the emphasis of the course will be on recent decades. To familiarize the student with some of the major general issues facing Latin America while also giving them a taste of its tremendous diversity. The course is structured around four basic topics: economic development, democratization, guerrilla movements and revolution, and drug trafficking. In the process of discussing these topics, various countries will be explored such as Brazil, Chile, Colombia, Cuba, Guatemala, and Mexico. A recurring theme will be the relationship between the United States and Latin America. May be taught concurrently with PLS 648. Cannot receive credit for both PLS 648 and PLS 548.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 550 Modern African Politics

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. A comparative study of the political and economic systems of contemporary Africa with emphasis on sub-Saharan Africa. Ideologies and strategies pursued by selected African governments are covered, including an assessment of contemporary economic, political, and strategic ties within the region and internationally. The class will emphasize such areas as Mauritania, Senegal, Kenya, Somalia, Nigeria, and South Africa. May be taught concurrently with PLS 650. Cannot receive credit for both PLS 650 and PLS 550.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 555 Public Policy for a Global Environment

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. Course examines how environmental policy is made in the United States and the international community. The course covers the institutions and groups that participate in making environmental policy and the process by which it is made. Domestic and international issues and problems explored include clean air, clean water, pesticides, risk assessment and management, toxic and hazardous substances, public lands, the greenhouse effect, and stratospheric ozone depletion. May be taught concurrently with PLS 685. Cannot receive credit for both PLS 685 and PLS 555.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 561 Ancient Political Thought

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. An introduction to the study of political theory by examining the contributions of classical political theorists and their successors up to the age of the Renaissance. Includes Socrates, Thucydides, Plato, Aristotle, the Epicureans, Cynics and Stoics, Cicero and the Roman Lawyers, early Hebrew and Christian political thought, Augustine and Aquinas.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

PLS 563 Modern Political Theory

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. The revolution in ideals brought by the nation-state, modern science, and the industrial revolution. Includes Machiavelli, More, Luther, Calvin, Hobbes, Locke, Rousseau, Bentham, J.S. Mill, Weber, Kant and Hegel.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

PLS 565 Contemporary Political Ideologies

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. A systematic study of the major competing ideologies of the 19th and 20th Centuries, including conservatism, liberalism, nationalism, Marxism, democratic socialism, fascism and national socialism, and others. Special emphasis is placed on the historical sources philosophical foundations and argumentative structure of these influential ideologies. May be taught concurrently with PLS 642. Cannot receive credit for both PLS 642 and PLS 565.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

PLS 567 American Political Thought

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. Political ideas in American institutional and historical development. An examination of the relations between American thought and political structures and processes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 569 Foreign Policies of the Middle Eastern States

This course focuses on the foreign policies of selected Middle Eastern states and non-state actors. The course will refer to various paradigms of international relations, so a previous course in international relations (especially an introductory or theory course) is highly recommended. Concerns of this course will include to what extent we can view the states of the Middle East of rational actors, the role of individual decision makers, unintended policy results, and the need to balance domestic and external policy imperatives. The central pedagogic concern revolves around understanding how and why various Middle Eastern state choose the policies they do. May be taught concurrently with PLS 669. Cannot receive credit for both PLS 569 and PLS 669.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

PLS 573 Policy Analysis

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. A study of the major qualitative and quantitative techniques in public policy analysis. The course will examine diverse processes of public policy formulation, and analyze various public policy alternatives. Each student will complete an empirical research project. May be taught concurrently with PLS 673. Cannot receive credit for both PLS 673 and PLS 573.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 576 Quantitative Methods of Political Science and Public Policy

Prerequisite: PLS 101.

Recommended Prerequisite: 50 hours. Introduction to the use of standard computer programs (especially SPSS) for the analysis and interpretation of political and social data. Covers analysis of nominal and ordinal data, descriptive and inferential statistics, hypothesis testing, correlation, linear and multiple regression. There will be a critical review of the applications of these techniques to the analysis of political science and public policy research questions, including ethical issues associated with quantitative research. May be taught concurrently with PLS 676. Cannot receive credit for both PLS 676 and PLS 576.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PLS 635 American Foreign Policy

The course explores the various governmental institutions and societal forces which shape American foreign policy. The major emphasis is on American foreign policy since World War Two. Current issues in American foreign policy are discussed in light of contemporary theoretical and methodological approaches. May be taught concurrently with PLS 535. Cannot receive credit for both PLS 535 and PLS 635.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 639 Playing Games with the World

A course designed to explore theories and paradigms of international relations via popular culture, simulations and games. May be taught concurrently with PLS 439. Cannot receive credit for both PLS 639 and PLS 439.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

PLS 642 Contemporary Political Ideologies

A systematic study of the major competing ideologies of the 19th and 20th Centuries, including conservatism, liberalism, nationalism, Marxism, democratic socialism, fascism and national socialism, and others. Special emphasis is placed on the historical sources philosophical foundations and argumentative structure of these influential ideologies. May be taught concurrently with PLS 565. Cannot receive credit for

both PLS 565 and PLS 642.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

PLS 644 Government and Politics of the Middle East

Political systems, processes and problems of the Middle East, considered both regionally and in the perspective of separate nation-states, from the beginning of the modern period about 1800 to the present. May be taught concurrently with PLS 544. Cannot receive credit for both PLS 544 and PLS 644.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 645 Asian Politics

A comparative study of the political and economic systems of contemporary Asia with emphasis on Japan, Korea, mainland China and Taiwan. Ideologies and strategies pursued by selected Asian governments are covered. Includes an assessment of contemporary economic, political and security issues in the region. America's economic, political and strategic ties with the region are also explored. May be taught concurrently with PLS 545. Cannot receive credit for both PLS 545 and PLS 645.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 646 Political Violence and Terrorism

The systematic study of political violence in its different forms. The course content is structured along a continuum, ranging from small scale violence to mass violence-assassinations, terrorism by sub-national and transnational organizations, state terror and genocide. May be taught concurrently with PLS 546. Cannot receive credit for both PLS 546 and PLS 646.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 647 Politics of the European Union and Its Members

This course will focus on the historical evolution of the European Union (EU) since the 1950s, the ongoing integration process within the organization (vertical integration), and its enlargement beyond the present members (horizontal integration). It will also address the EU's position in global and regional politics, its links to the United States, and the development of international governmental organizations. May be taught concurrently with PLS 547. Cannot receive credit for both PLS 547 and PLS 647.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 648 Latin American Politics

Broad introduction to the politics of Latin America. Although it will offer substantial historical background, the emphasis of the course will be on recent decades. To familiarize the student with some of the major general issues facing Latin America while also giving them a taste of its tremendous diversity. The course is structured around four basic topics: economic development, democratization, guerrilla movements and revolution, and drug trafficking. In the process of discussing these topics, various countries will be explored such as Brazil, Chile, Colombia, Cuba, Guatemala, and Mexico. A recurring theme will be the relationship between the United States and Latin America. May be taught concurrently with PLS 548. Cannot receive credit for both PLS 548 and PLS 648.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 649 Nationalisms and Islamisms of the Middle East

This is an introductory course on selected ideologies of the Middle East in seminar form; it presupposes only basic knowledge of the region as well as previous exposure to comparative politics. The course surveys the historical and political trajectories of selected nationalisms and Islamist ideologies in the Middle East: Pan-Arabism, various Arab territorial nationalisms, Zionisms, Turkish nationalisms, Kurdish nationalisms and various strains of Islamism. May be taught concurrently with PLS 443. Cannot receive credit for both PLS 649 and PLS 443.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (even-numbered years)

PLS 650 Modern African Politics

A comparative study of the political and economic systems of contemporary Africa with emphasis on sub-Saharan Africa. Ideologies and strategies pursued by selected African governments are covered, including an assessment of contemporary economic, political, and strategic ties within the region and internationally. The class will emphasize such areas as Mauritania, Senegal, Kenya, Somalia, Nigeria, and South Africa. May be taught concurrently with PLS 550. Cannot receive credit for both PLS 550 and PLS 650.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 651 Administrative Law

A study of administrative agencies in their rule making and adjudicatory functions; administrative procedures including hearings and the judicial review thereof; legislative committee operations and their relation to the agencies. After several lecture type presentations by the instructor on the above topics, each student will be expected to present an oral and written review of some area of administrative law which requires further development through agency regulation and/or judicial review.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 669 Foreign Policies of the Middle Eastern States

This course focuses on the foreign policies of selected Middle Eastern states and non-state actors. The course will refer to various paradigms of international relations, so a previous course in international relations (especially an introductory or theory course) is highly recommended. Concerns of this course will include to what extent we can view the states of the Middle East of rational actors, the role of individual decision makers, unintended policy results, and the need to balance domestic and external policy imperatives. The central pedagogic concern revolves around understanding how and why various Middle Eastern state choose the policies they do. May be taught concurrently with PLS 569. Cannot receive credit for both PLS 569 and PLS 669.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

PLS 673 Policy Analysis

A study of the major qualitative and quantitative techniques in public policy analysis. The course will examine diverse processes of public policy formulation, and analyze various public policy alternatives. Each student will complete an empirical research project. May be taught concurrently with PLS 573. Cannot receive credit for both PLS 573 and PLS 673.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 676 Quantitative Methods of Political Science and Public Policy

Introduction to the use of standard computer programs (especially SPSS) for the analysis and interpretation of political and social data. Covers analysis of nominal and ordinal data, descriptive and inferential statistics, hypothesis testing, correlation, linear and multiple regression. There will be a critical review of the applications of these techniques to the analysis of political science and public policy research questions, including ethical issues associated with quantitative research. May be taught concurrently with PLS 576. Cannot receive credit for both PLS 576 and PLS 676.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PLS 685 Public Policy for a Global Environment

Course examines how environmental policy is made in the United States and the international community. The course covers the institutions and groups that participate in making environmental policy and the process by which it is made. Domestic and international issues and problems explored include clean air, clean water, pesticides, risk assessment and management, toxic and hazardous substances, public lands, the greenhouse effect, and stratospheric ozone depletion. May be taught concurrently with PLS 555. Cannot receive credit for both PLS 555 and PLS 685.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 705 Seminar in Comparative Politics

PLS 705 Seminar in Comparative Politics

An examination of the principal approaches to comparative politics including the comparative study of political systems, types of government, elites, legislatures, political cultures and political parties. Students in the MGS program will be required to write an extensive bibliographic or substantive research paper on one of these principal elements in the study of comparative politics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 713 Seminar in Foreign Policy Decisionmaking

An examination of the factors that shape foreign policy decisionmaking, especially as they have evolved in the 20th century in the United States. In addition to an examination of the governmental institutions and societal forces that influence policy, students will critically analyze decisionmaking models that have been developed to explain how and why foreign policy decisions are made.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 715 Comparative Public Administration

The course will review the literature on the study of comparative public administration. The body of the course will focus on substantive public management issues in a variety of countries. Students will be expected to understand the rationale for the subfield, its development, and develop the skills needed to conduct scientific analysis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 717 Multidisciplinary Approaches to Homeland Security

Examines the full spectrum of both homeland security and defense activities, the diverse responsibilities of the primary stakeholders, and current policies and practical efforts to develop and integrate homeland security and defense efforts nationwide.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 719 Strategic Planning and Organizational Imperatives in Homeland Security

The attainment of homeland security goals is dependent on comprehensive planning and organization to integrate and mobilize all levels of government and private sector responses. This course critically analyzes these efforts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	3 **Lecture contact hours**	0 **Lab contact hours**	Upon demand **Typically offered**

PLS 721 International Political Economy

A general introduction to the politics of international economic relations, with a special emphasis on the extent, causes, and consequences of globalization. Covers such topics as trade, investment, aid, global warming, international institutions, and the political roots of economic development. Identical with ECO 721. Cannot receive credit for both PLS 721 and ECO 721.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 732 International Relations in Theory and Practice

An examination of the principal paradigms and approaches in the study of international relations as they have evolved, particularly in the 20th century, and their usefulness for understanding the practice of global affairs. Students will familiarize themselves with both theoretical and substantive aspects of international relations and global affairs. Completion of a major research project focusing on an issue or region and analyzing it from a theoretical perspective is required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 737 Seminar in International Organizations

A study of the historical development and theoretical foundations of international organizations. Readings and research will emphasize recent issues and developments in both regional and global aspects in the organization of the international system.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 752 Public Personnel Management

Intensive examination of the management of personnel focused directly on the public sector at the federal, state, and local levels. The course will explore the development, structure, and procedures of the public service. Issues of public personnel management to be examined include: perspectives on the public service, merit and patronage systems, labor relations, civil service reform, anti-discriminatory policies, and productivity and accountability.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 753 Management Techniques and Organizational Behavior

A core lecture course designed to familiarize the student with the development of managerial skills through MBO, decision making theory, strategy implementation, change theory and development administration, problem solving, coordination within the organization, communication techniques and effecting productivity. Emphasis will be placed upon the applicability of management and organizational

communication techniques and effecting productivity. Emphasis will be placed upon the applicability of management and organizational theory to the public sector.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 754 Seminar in Health Policy

Politics of health policy formulation and planning. A study of participants in policy formulation, role of the different levels of government, issues and problems in health care planning, interrelationship of agencies involved, Medicare, Medicaid, national health insurance.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 756 Financial Management for State and Local Government

A course dealing with intergovernmental financial relations, revenue sources, tax strategies, bond requirements, and issuance procedures, sinking funds, budget techniques and basic categories of state and local expenditures.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 757 Topics Seminar in Public Policy and Administration

Topics course. The specific topics will change from semester to semester. May be repeated as topics change.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PLS 759 Seminar in Administrative Management and Organizational Theory

A topics seminar in which each student will be responsible for an individual research project. Research will include both a review of applicable literature and a case study of an actual management or organizational problem-situation within a government office. This project will be preceded by a concise review of basic management principles and organizational theory.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 760 Management of Intergovernmental Relations

The course is designed to familiarize students with the nature and scope of intergovernmental relations and how they impact issues such as

fiscal management, grantsmanship, public policy formulation, public program monitoring and administration.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 761 Management of Nonprofit Organizations

This course provides a general survey of nonprofit organizations. It will examine the historical, legal, ethical, and social environments in which nonprofit organizations operate. It will also discuss various aspects of nonprofit organization management, ranging from managing people and money to managing public relations and trust. The course will integrate theoretical and practical aspects of nonprofit management. The theoretical aspects will be achieved through readings and literature reviews. The practical side will come from guest speakers, field interviews, and hands-on assignments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

PLS 762 Public Policy and Program Evaluation

The course is designed to familiarize students with the nature and role of evaluation in the policy process. Topics will include but not be limited to: the various types of evaluation, evaluation methods, evaluability assessment, program monitoring, impact assessment, process assessment, utilization of evaluation findings, and the politics of evaluation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

PLS 763 The Policy Process

This course is designed to explore how public policy is made at all levels of government in the United States. Approximately two-thirds of the course will focus on the policy process; the remainder will concentrate on two or three major policy issues. Students will do an extended paper on a policy issue applying the concepts from the first part of the course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 771 Seminar in Public Administration

This course is designed as the foundation course for the Master of Public Administration program. Topics covered include the development of public administration, political, social, economic, and legal processes and institutions, the policy process, and values and ethics. All students will complete a major research paper related to one of these topics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 772 Introduction to Public Safety Services

This course introduces students to the current principles and practices of public safety services from the theoretical and practitioner's perspective. Course will cover how services are provided, management challenges, the levels of emergencies and disaster operations, preparedness, recovery and mitigation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLS 773 Hazard Analysis, Mitigation, and Preparedness

This course focuses on crucial actions taken in preparing the emergencies. All public safety agency work begins with a thorough analysis of the hazards faced whether they are from natural causes or manmade. The course will introduce students to various methods for conducting the hazard analysis regardless of whether for law enforcement, fire service, emergency medical services or 9-1-1. The class examines various methods to mitigate the occurrences of those incidents and how public safety agencies can prepare themselves and the public for when they occur.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 774 Municipal Planning and Zoning

The purpose of this course is for students to gain a working knowledge of the legal nature, the administration, and the politics of major land-use regulatory powers exercised by local government. Municipal planning and zoning controls emphasized in this course are zoning codes, subdivision review, site plan review, building codes, and the exercise of eminent domain. Course will assess how combinations of these practices may be utilized in comprehensive growth management strategies, as well as in the negotiations for, and the implementation of, agreements for individual planned unit developments and for annexations of land to municipalities. Course will also relate these powers to urban planning practices including strategic and comprehensive planning.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 775 Economic Development for Local and State Governments

The purpose of this course is to familiarize students with the local, state and national contexts in which local economies operate to provide them with a background for developing successful economic strategies at the local level. Upon completion of the course, students should have a better understanding of how these issues are being addressed in governments around Missouri and throughout the United States. The goal is to better prepare future managers for their first local government jobs that will often carry the title of administrator in a small, rural community.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PLS 776 Local Public Service Delivery

This course prepares students to provide management and guidance to various local government services such as public works, police, fire, parks, utilities, and human services. It covers issues of governance which enable various government and non-for-profit groups to cooperate in the delivery of these services. The focus is on management in medium and small-sized municipalities in both rural and urban settings. Extensive use of guest lectures and site visits are essential components of this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

PLS 777 Local Government and Politics and Administration

This course familiarizes students with a broad array of local government issues, structures, management concerns, and politics. Interwoven throughout the course is a discussion of the roles that professional administration and local politics play in everyday local government operations. The major focus will be on the decision making process of professional administrators as they attempt to bring both efficiency and effectiveness to local government.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

PLS 778 Ethics and Leadership in the Public Sector

This course examines the role and impact of leadership in public organizations, with particular focus on the ethical dimensions of leadership behavior. The course provides an overview of the knowledge, theory, and skills regarding leadership and professional ethics. Topics include charismatic and transformational leadership, leadership styles, the role of the leader in creating ethical climates and building effective ethical cultures, organizational change strategies, power and politics, and motivation strategies. Also covered are the ethical codes, standards, and practices promulgated by the American Society for Public Administration (ASPA) and the International City Management Association (ICMA).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLS 780 Independent Study in Political Science

Prerequisite: permission of instructor.

Carefully planned independent study designed on an individual basis for the advanced student who wishes to investigate a well defined problem not dealt with adequately by standard courses. Normally, a student may take PLS 780 only once to fulfill the requirements of the non-thesis option or as part of the cognate field if pursuing the thesis option.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

PLS 781 In-Service Training in Public Administration

Prerequisite: permission of Master of Public Administration Program Director.

Supervised field work in an approved local, state, or national governmental agency including preparation of an acceptable formal report.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PLS 782 Internship/Practicum in International Field

Prerequisite: permission of program director.

Supervised field work in a federal government agency, international governmental/non-governmental organization, multinational corporation, or equivalent. The course requirements include a formal report on the internship/practicum and evaluation by the supervisor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PLS 797 Special Topics in Global Affairs

Prerequisite: permission of instructor.

The specific topics will change from semester to semester, and will include subjects such as international humanitarian law, comparative foreign policy, global Islamic movements, and globalization. Variable content course. May be repeated as topics change.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PLS 799 Thesis

Prerequisite: permission of Master of Global Studies or Master of Public Administration Program Director and department head.

Independent research and study connected with preparation of thesis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

MAKE YOUR MISSOURI STATEMENT.

Last Modified: August 9, 2019

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Missouri State

Fire Administration

Certificate(s)

Fire Administration

This certificate is designed to provide the student with the knowledge and skills to function as a fire service manager, leader, and administrator. Students will learn the important concepts and skills required to successfully perform administrative and managerial roles in emergency service organizations. This program was developed in conjunction with the U.S. Fire Administration's Fire and Emergency Services Higher Education project.

Program requirements (12 hours)

A. Prerequisite Experience: senior firefighter or junior company officer equivalent with at least three years of experience in a career or busy volunteer fire service agency.
B. PLS 360(3), 361(3), 363(3)
C. Select three additional hours from the following to total a minimum of 12 hours in the certificate: PLS 362(3), 364(3), 365(3)
D. All candidates must satisfy the General University Certificate Requirements.

Minor(s)

Fire Administration

Bachelor of Arts

Bachelor of Science

A. PLS 360(3), 361(3), 362(3), 363(3), 364(3), 365(3)

MAKE YOUR MISSOURI STATEMENT

Last Modified: July 31, 2019
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Missouri State

International Relations

Minor(s)

International Relations

Bachelor of Arts

Bachelor of Science

A. PLS 101(3), 205(3), 232(3), 535(3)
B. Complete nine additional hours from the following list to total a minimum of 21 hours in the minor, two of these courses must be PLS courses: PLS 319(3), 333(3), 338(3), 343(3), 437(3), 439(3), 443(3), 544(3), 545(3), 546(3), 547(3), 548(3), 550(3), 555(3), 565(3), 569(3); ECO 565(3); GRY 323(3), GRY 507(3)

Note: No more than six hours taken for the BA or BS Political Science major can be counted toward the International Relations minor.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Political Science

Major(s)

Political Science (Non-Comprehensive) (BA)

Bachelor of Arts

A. General Education Program and Requirements
B. Major Requirements (42 hours)
   1. Core Requirements* (24 hours)
      a. PLS 101(3), 169(3), 205(3), 232(3), 255(3); PLS 330(3) or PHI 330(3); PLS 492(0)
      b. One of the following: PLS 316(3), 317(3), 413(3), 414(3)
      c. One of the following: PLS 515(3), 517(3), 520(3)
   2. Public Affairs Capstone Experience: Complete three hours from the following list. Course cannot count toward both the 24 hour core requirement and the Capstone requirement. PLS 413(3), 414(3), 437(3), 439(3), 443(3), 493(3), 494(3), 495(3), 496(3), 498(3), 515(3), 517(3), 520(3), 535(3), 544(3), 545(3), 546(3), 547(3), 548(3), 550(3), 555(3), 561(3), 563(3), 565(3), 567(3), 569(3), 573(3), 576(3). PLS 497 may be approved by the department.
   3. Complete 15 hours of electives from at least three of the following subfields:**
      a. American Government and Politics: PLS 316(3), 317(3), 319(3), 413(3), 414(3)
      b. International Politics: PLS 301(3), 333(3), 437(3), 439(3), 535(3), 547(3)
      c. Comparative Governments and Politics: PLS 319(3), 338(3), 343(3), 443(3), 544(3), 545(3), 546(3), 548(3), 550(3)
      d. Public Administration: PLS 102(3), 315(3), 351(3), 355(3), 498(3), 555(3), 573(3)
      e. Political Theory: PLS 561(3), 563(3), 565(3), 567(3)
      f. Public Law: CRM 260(3); PLS 419(3), 515(3), 517(3), 520(3)

      **Courses counted toward core requirements and Public Affairs Capstone will not also count toward elective requirements.*
      ***Note: PLS 493, 494, 495, 496, 497 will be assigned to fields according to topic. No more than six hours will be counted toward the major from PLS 493, 494, 498. PLS 576 will also be used to complete the remaining hours of electives provided that student has one course from at least three of the subfields.*
C. Minor Required (or second major)
D. Specific Bachelor of Arts Degree Requirements
E. General Baccalaureate Degree Requirements

Political Science (Non-Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements (45 hours)
   1. Core Requirements* (27 hours)
      a. PLS 101(3), 169(3), 205(3), 232(3), 255(3); PLS 330(3) or PHI 330(3); PLS 492(0), 576(3)
      b. One of the following: PLS 316(3), 317(3), 413(3), 414(3)
      c. One of the following: PLS 515(3), 517(3), 520(3)
   2. Public Affairs Capstone Experience: Complete three hours from the following list. Course cannot count toward both the 27 hour core requirement and the Capstone requirement. PLS 413(3), 414(3), 437(3), 439(3), 443(3), 493(3), 494(3), 495(3), 496(3), 498(3),

515(3), 517(3), 520(3), 535(3), 544(3), 545(3), 546(3), 547(3), 548(3), 550(3), 555(3), 561(3), 563(3), 565(3), 567(3), 569(3), 573(3), 576(3). PLS 497 may be approved by the department.

3. Complete 15 hours of electives from at least three of the following subfields:**
   a. American Government and Politics: PLS 316(3), 317(3), 319(3), 413(3), 414(3)
   b. International Politics: PLS 301(3), 333(3), 437(3), 439(3), 535(3), 547(3)
   c. Comparative Governments and Politics: PLS 319(3), 338(3), 343(3), 443(3), 544(3), 545(3), 546(3), 548(3), 550(3)
   d. Public Administration: PLS 102(3), 315(3), 351(3), 355(3), 498(3), 555(3), 573(3)
   e. Political Theory: PLS 561(3), 563(3), 565(3), 567(3)
   f. Public Law: CRM 260(3); PLS 419(3), 515(3), 517(3), 520(3)

**Courses counted toward core requirements and Public Affairs Capstone will not also count toward elective requirements.*
***Note: PLS 493, 494, 495, 496, 497 will be assigned to fields according to topic. No more than six hours will be counted toward the major from PLS 493, 494, 498.*

C. Minor Required (or second major)
D. General Baccalaureate Degree Requirements

Minor(s)

Political Science

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

Bachelor of Social Work

A. PLS 101(3)
B. Complete courses from at least three of the following six political science fields to bring total to a minimum of 21 hours:
   1. American Government and Politics: PLS 316(3), 317(3), 413(3), 414(3)
   2. International Politics: PLS 232(3), 301(3), 437(3), 439(3), 535(3), 546(3), 547(3)
   3. Comparative Politics: PLS 205(3), 319(3), 338(3), 343(3), 443(3), 544(3), 545(3), 547(3), 548(3), 550(3)
   4. Public Administration: PLS 102(3), 255(3), 315(3), 351(3), 355(3), 498(3), 555(3), 573(3)
   5. Political Theory: PLS 330(3) or PHI 330(3), PLS 561(3), 563(3), 565(3), 567(3)
   6. Public Law: PLS 419(3), 515(3), 517(3), 520(3)

Note: PLS 169 and 576 will count as minor electives.

Accelerated graduate program in Global Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Global Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Public Administration

Eligible Missouri State undergraduate students majoring in political science may apply for preliminary acceptance into the Master of Public Administration program after admission requirements for the accelerated graduate program have been satisfied. If accepted, a maximum of 12 hours may be counted toward both the undergraduate and graduate degrees (Mixed Credit). Refer to the Graduate Catalog for program details.

For courses to be designated as Mixed Credit, the graduate advisor, undergraduate department head, and Graduate College dean must approve by signing the Permission for Mixed Credit form. This form must be provided to the Office of the Registrar in Carrington Hall 320 no

later than the end of the Change of Schedule Period for the semester. Refer to the Mixed Credit website for procedures.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Public Administration

Minor(s)

Public Administration

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

Bachelor of Social Work

A. Required Core Courses (12 hours): PLS 102(3), 255(3), 315(3), 351(3)
B. Elective Courses (6 hours): Complete any two of the following courses: ACC 532(3); ECO 425(3), ECO 515(3); PLS 355(3), 498(3), 555(3), 573(3)

Note: No more than six hours taken for the BA or BS Political Science major can be counted toward the Public Administration minor.

MAKE YOUR MISSOURI STATEMENT.

Missouri State

Office of the Registrar
Undergraduate Catalog

Public Law

Minor(s)

Public Law

Bachelor of Arts

Bachelor of Science

Bachelor of Social Work

A. PLS 101(3); PLS 419(3) or CRM 260(3); PLS 515(3), 517(3), 520(3)
B. Complete six hours from the following list to total 21 hours in the minor: CRM 210(3); CRM 260(3); HST 517(3); LAW 231(3), LAW 531(3); PHI 340(3); PLS 419(3), PLS 493(1-3), PLS 567(3); PSY 320(3); SOC 380(3)

Note: No more than six hours taken for the BA or BS Political Science major may be counted on the Public Law minor.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Religious Studies

Programs

Indicates accelerated graduate program is available

Undergraduate

Religious Studies (BA, BS, Minor)

Interfaith Engagement (Certificate)
Interdisciplinary program offered by Department of Religious Studies and Department of Communications

Medical Humanities (Certificate)
Interdisciplinary program offered by Department of Religious Studies and Department of Sociology and Anthropology

Graduate

Religious Studies (MA)

Contact

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Missouri State

Office of the Registrar
Undergraduate Catalog

Religious Studies Courses

Religion (REL) courses

REL 100 Introduction to Religion

General Education Course (Focus on Cultural Competence).

Investigates what religion is and does, compares culturally diverse religious ideas and practices. This course explores how religion influences the relationship between individual and community by examining religious ethical systems, and providing community engagement opportunities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	RELG 100 - World Religion.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

REL 101 Old Testament/Hebrew Bible

General Education Course (Focus on Humanities).

Explores the religion, life experiences, cultures, thoughts, and history of the ancient Israelites as found in their literature and artifacts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	RELG 101O - Religious Texts-Old Testament.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

REL 102 New Testament

General Education Course (Focus on Humanities).

An introduction to early Christian literature and the persons and movements that produced it in their Jewish and Greco-Roman contexts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	RELG 101N - Religious Texts-New Testament.

Access the CORE 42 portal

REL 131 Religion in America

General Education Course (Focus on Social and Behavioral Sciences).

A historical survey of different religious groups in America and their contributions to American identity and values. Includes the connections between religious affiliation and race, ethnicity, gender, politics, the media, and other aspects of U.S. society and culture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REL 200 Religion in the News

Increases students' awareness of the presence and relevance of religion in current events and examines the influence of the news media on shaping public awareness and opinion of religion-related issues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

REL 210 Paths of World Religions

General Education Course (Focus on Cultural Competence).

A global survey of religious movements, including Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam. Students will learn how these religions have affected individual and cultural identities in history and in the contemporary world.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	RELG 100 - World Religion.

Access the CORE 42 portal

REL 312 The Hebrew Prophets

Recommended Prerequisite: REL 101. A survey of the prophetic literature of ancient Israel in its social and historical contexts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 315 Native American Religions

REL 315 Native American Religions

Recommended Prerequisite: REL 131. A survey of historical and contemporary Native American cultures and spiritualities, including Native responses to European contact and colonization.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 319 The Bible and Film

This movie-viewing course enables students to compare and to contrast films reflecting on biblical stories and themes. Films are viewed and grouped according to biblical stories, books, and themes and change each semester.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 320 Jesus of Nazareth

Recommended Prerequisite: REL 102. Jesus as presented in the canonical gospels and other early sources with attention given to literary and historical issues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

REL 321 Paul

Recommended Prerequisite: REL 102. An introduction to the historical Paul and scholarly interpretation of his writings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

REL 322 Romans

Recommended Prerequisite: REL 102. Scholarly analysis of Paul's most influential writing with attention given to important historical and contemporary interpretations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 323 Apocalypses

Prerequisite: REL 101 or REL 102.

A historical and socio-rhetorical analysis of ancient Jewish and Christian apocalyptic movements and literature with some attention to modern examples. Canonical texts such as Daniel and Revelation will be examined in the context of numerous extra-canonical Jewish and Christian apocalypses.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 325 Dead Sea Scrolls

Explores the Dead Sea Scrolls, along with the archaeological excavations of nearby ruins. This course will introduce students to Second Temple Judaism, which has significant implications for the study of the Hebrew Bible, Rabbinic Judaism, and early Christianity and the New Testament.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 327 Religions of the Ancient Near East

Students will encounter the texts and monuments, ceremonies and rituals, and the religious assumptions of Egypt, Mesopotamia, Ugarit, and ancient Israel. Comparisons will be used to highlight the distinctive features of each religious system, with the goal of understanding the particularity and integrity of each tradition in the cradle of civilization.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 330 Judaism

A survey of the history and religion of the Jewish peoples, including the Holocaust, the State of Israel, and modern Jewish movements.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 332 Modern Religious Thought

Examines ways modernity impacted philosophy of religion in Europe and North America in the twentieth century. Major movements studied may include: Existentialism (Nietzsche, Kierkegaard, Tillich); Process Thought (Whitehead); Feminism (Ruether, Daly); Deconstruction (Derrida, Caputo); and African American thought (King, Cone).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 338 Death, Dying, and Afterlife

This course approaches death from religious, cultural, and historical perspectives. It surveys understandings of the afterlife in several religions, studies how people have prepared to die, and looks at the rituals that people have devised for burying their dead. Students learn how people have relied on religion to make death more understandable and tolerable.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 340 Christianity

Surveys Christian history from the second century to the present, exploring how past events have led to the development of contemporary churches, denominations, beliefs, and practices. Major topics: Eastern Christianity, Medieval Christendom, the Protestant Reformation, the Enlightenment, and global Christianity in the twenty-first century.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 341 C. S. Lewis

An analysis of a selection of Lewis's works of fiction and apologetics. Student will interpret these works in their historical, theological, philosophical, literary and cultural contexts. They will also read and discuss critiques of and challenges to Lewis's ideas.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 342 Catholicism

The Catholic Church is perhaps the oldest continuing institution in the world, influencing over a billion people since its beginnings in the first centuries after Jesus. This course has three main emphases: 1) an immersion in the best Catholicism has to offer-that is, the lives of its saints and its art; 2) an introduction to contemporary Catholicism, including its ongoing controversies; 3) a field experience. By the end of the semester, students should not only have knowledge about Catholicism, but also understand how the institution and its people have helped to shape western civilization.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 344 New Religious Movements

Often negatively designated by outsiders as "cults", New Religious Movements continue to emerge at a rapid rate. This course examines the histories, structures, beliefs, and impacts of such groups as the Church of Jesus Christ of Latter-day Saints, Nation of Islam, Scientology, Raelians, and others.

Raelians, and others.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 345 African American Religious Experience

Recommended Prerequisite: REL 131. Explores the establishment and maintenance of African American religious institutions, particularly the Black Churches and their future development.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 346 Sexuality and American Religion

Recommended Prerequisite: REL 131. Examines historical and contemporary beliefs about sexuality as reflected in sexual practices and experiences, such as celibacy, marital and extra-marital sex, and homosexuality, in American Protestantism, Catholicism, Judaism, Islam, and Native American cultures. Also, the ways American social culture and religious attitudes about sexuality have influenced each other.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 347 Suffering and Meaning

An exploration of religious approaches to suffering, death and the making of meaning in life. Students will survey the complex history of western responses to the "problem of evil" in the Bible, literature, theology, and philosophy of religion by reading texts from Augustine to Derrida.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 348 Religion, Spirituality, and Health

This course explores the religious history of American hospitals, healing practices in American religions, debates about religiosity and health outcomes, the medical uses of yoga and Eastern meditation, and the heightened attention to spirituality in the health professions. Course content will be related to local health care providers and religious communities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 350 Islam

Origin, expansion, and continuity of Islam, including pre-Islamic influences, Muhammad, Qur'an and Tradition (hadith), sects, ritual and law, community and worldview, prayer and mysticism.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 353 Muslims and Christians

A historical survey of Muslim-Christian relations from the 7th century CE to the present day. Along with the study of important events between the two traditions, students will read primary sources in which Muslim and Christian thinkers come to terms with the religion of the other. The course covers major points of debate and commonality between the two traditions, as well as the prospects for Muslim-Christian dialogue and coexistence today.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 355 Buddhism

Recommended Prerequisite: REL 210. A broad survey of the diverse patterns and expressions of Buddhist life throughout history. Studies will examine the beliefs, practices, and values that have existed among adherents of Theravada, Mahayana, and Vajrayana Buddhism. Course materials will be drawn from Asian and Western cultures.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 357 Religions of China and Japan

Recommended Prerequisite: REL 210. An historical survey of the major religions from East Asia, with particular emphasis given to their doctrines, practices, and institutions. The course will focus on Confucianism, Daoism, Buddhism, and Shinto. Some consideration will also be given to Korean religious traditions, religion in contemporary East Asia, and popular religious traditions. Important themes include cultural adaptation and religious competition in East Asian religious history.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 358 Yoga and Meditation

An examination of the history, philosophy, and practice of various yoga and meditation traditions from India and China. Emphasis will be given to Hindu, Buddhist, and Daoist systems that were developed for mental concentration, spiritual liberation, and immortality, among other religious aims. After surveying the development of yoga and meditation in Asia, the course will explore their uses in popular culture and health care in modern American society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 360 Hinduism

Recommended Prerequisite: REL 210. An historical and thematic survey of the religions of India from the Vedic period to the present day.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 362 Jesus and the Parable Tradition

A survey of extant parables in Greek, Jewish, Gnostic, Synoptic and Patristic traditions, and an examination of the history of methods in the interpretation of the Parables of Jesus. In the light of this study the student will read and interpret selected parables of Jesus.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 368 Body and Health in American Religions

From debates over immunization to religious dieting cultures, this course explores how diverse religions have shaped human bodies in sickness and health in North America. Students will analyze, debate, and evaluate how religious thought and practice have interacted with medical advancements, social and cultural changes, and recurring ethical questions in the American context in the human pursuit to understand and change the body and its health.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 370 Women and Religion

Exploration of women's roles in Christianity and other religions. Alienation from places of power has had profound implications for the personal, social, political, economic, and religious aspects of women's existence. Course will examine patterns of religious domination of women and explore possibilities for transformation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REL 378 Religion and Healing in Modern America

An exploration of the relationship between folk, faith and biomedical healing, the course is a cross-cultural exploration of the story of religion and healing in America from the beginning of the twentieth century to the present. Using a chronological approach, students will examine historical interactions between a diversity of health-related worldviews and religious worldviews, from Pentecostalism to immigrant faiths, scientific challenges as well as alternative healing, African-American and also women's traditions, divine healing and the traditions of world religions in modern America.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 385 Religious Studies Service Learning

Prerequisite: 30 hours, concurrent registration in a Religious Studies course designated as a service learning offering.

Designed to provide a learning environment for research and reflection on the meaning of public and community service, this course is intended to strengthen human communities by modeling an ethos of service and integrating service into the Religious Studies curriculum. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

REL 390 Religion in Society

Examines the relationship between religion and its social context. Students will explore the social nature of individual religious institutions. The relationship between religion and modernity will be studied. The course will pay special attention to the role of religion in American society, as well as the religious dimensions of class, gender, region, and race/ethnicity. Identical with SOC 390. Cannot receive credit for both REL 390 and SOC 390.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 397 Religious Studies Topics

Recommended Prerequisite: 3 hours in Religious Studies. Selected topics of general interest in Religious Studies. Examples: Introduction to Archaeology and the Bible, Women in the Bible, Dead Sea Scrolls, the Holocaust, C. S. Lewis, Food and American Religion. May be repeated, as topics change, to a maximum of 9 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

REL 399 Independent Study

Prerequisite: 9 hours in Religious Studies and permission of instructor.

Independent study of a Religious Studies topic related to student's major or special interest. Before registering for the course, student and instructor must sign an agreement that details the course requirements. May be repeated to a total of 6 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

REL 499 Internship in Religious Studies

Prerequisite: Religious Studies major or minor and permission of instructor.

Supervised work experience in order to pursue a special interest in a professional setting where the student utilizes knowledge and skills acquire in the Religious Studies major or minor. May be repeated for a total of 6 hours, but no more than 3 hours may be counted toward the Religious Studies major or minor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

REL 510 Topics in Biblical Studies

Prerequisite: 50 hours.

Recommended Prerequisite: REL 101 or REL 102. Advanced study of canonical and non-canonical texts and related subjects. Examples: Genesis, The Social World of Ancient Israel, Dead Sea Scrolls, Historical Jesus, Acts as History and Literature, Revelation and Apocalyptic Literature. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 615. Cannot receive credit for both REL 615 and REL 510 for the same topic.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 530 Topics in Religion and Culture

Prerequisite: 50 hours.

Recommended Prerequisite: REL 100 or REL 131. Explores advanced issues in the study of religion as a component of cultural life including issues of gender, race, and ethnicity. Examples of topics: Religion and Politics; Religion, Media, and Popular Culture; Religion and Visual Culture; American Religious Communities; Lived Religion; Bible Belt Religion; Food and Religion; Women and Religion. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 635. Cannot receive credit for both REL 635 and REL 530 for the same topic.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 540 Topics in the Religions of Asia

Prerequisite: 50 hours.

Recommended Prerequisite: REL 210. Studies of advanced topics in the comparative religions of Asia or in the history of a particular religious tradition. Topics may include material ranging from ancient history to the present day. Examples: Colonialism, Religion and Culture, Yoga, Fundamentalism. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 645. Cannot receive credit for both REL 645 and REL 540 for the same topic.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 550 Topics in Religions of Europe and the Middle East

Prerequisite: 50 hours.

Recommended Prerequisite: REL 330, REL 340, or REL 350. Selected topics of advanced content in Judaism, Christianity, and/or Islam. Examples: Jewish Mysticism; Jewish Philosophy; The Spirituality of Martin Luther and John Calvin; Women in the History of Christianity; Islamic Law and Ethics; Sufism. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 655. Cannot receive credit for both REL 550 and REL 655 for the same topic.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

REL 570 Archaeology and the Bible

Prerequisite: 50 hours.

Recommended prerequisite: REL 101 or REL 102. Archaeological discoveries in their relation to the literary, cultural, and religious background of the Bible. Methods and objectives of archaeological research, including a brief history of Near Eastern archaeology. May be taught concurrently with REL 675. Cannot receive credit for both REL 675 and REL 570.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 580 Theories of Religion

Prerequisite: 60 hours and permission.

This required course for majors surveys influential theories of religion from the Enlightenment to the present and includes their relationship to public affairs. Students will write a major research paper involving theoretical perspectives learned in the course. May be taught concurrently with REL 685. Cannot receive credit for both REL 685 and REL 580. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

REL 615 Topics in Biblical Studies

Recommended Prerequisite: REL 101 or REL 102. Advanced study of canonical and non-canonical texts and related subjects. Examples: Genesis, The Social World of Ancient Israel, Dead Sea Scrolls, Historical Jesus, Acts as History and Literature, Revelation and Apocalyptic Literature. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 510. Cannot receive credit for both REL 615 and REL 510 for the same topic.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 635 Topics in Religion and Culture

Recommended Prerequisite: REL 100 or REL 131. Explores advanced issues in the study of religion as a component of cultural life including issues of gender, race, and ethnicity. Examples of topics: Religion and Politics; Religion, Media, and Popular Culture; Religion and Visual Culture; American Religious Communities; Lived Religion; Bible Belt Religion; Food and Religion; Women and Religion. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 530. Cannot receive credit for both REL 530 and REL 635 for the same topic.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 645 Topics in Religions of Asia

Recommended Prerequisite: REL 210. Studies of advanced topics in the comparative religions of Asia or in the history of a particular religious tradition. Topics may include material ranging from ancient history to the present day. Examples: Colonialism, Religion and Culture, Yoga, Fundamentalism. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 540. Cannot receive credit for both REL 540 and REL 645 for the same topic.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 655 Topics in Religions of Europe and the Middle East

Recommended Prerequisite: REL 330, REL 340, or REL 350. Selected topics of advanced content in Judaism, Christianity, and/or Islam. Examples: Jewish Mysticism; Jewish Philosophy; The Spirituality of Martin Luther and John Calvin; Women in the History of Christianity; Islamic Law and Ethics; Sufism. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 550. Cannot receive credit for both REL 655 and REL 550 for the same topic.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

REL 675 Archaeology and the Bible

Recommended Prerequisite: REL 101 or REL 102. Archaeological discoveries in their relation to the literary, cultural, and religious background

Recommended Prerequisite: REL 101 or REL 102. Archaeological discoveries in their relation to the literary, cultural, and religious background of the Bible. Methods and objectives of archaeological research, including a brief history of Near Eastern archaeology. May be taught concurrently with REL 570. Cannot receive credit for both REL 570 and REL 675.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 685 Theories of Religion

Prerequisite: permission of department head.

This required course for graduate students surveys influential theories of religion from the Enlightenment to the present. Students will write a major research paper involving theoretical perspectives learned in the course. May be taught concurrently with REL 580. Cannot receive credit for both REL 580 and REL 685.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

REL 711 Seminar in Religions of Asia

This seminar will examine a specific topic or tradition within Asian religions. Students can expect to do focused reading, discussion, and research on a particular subject related to the Hindu, Buddhist, Islamic, and/or other traditions of Asia. Historical and contemporary material, along with critiques of scholarship in the field, may be considered. May be repeated once if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 731 Seminar in Biblical Studies

Recommended Prerequisite: REL 730. This seminar examines a specific topic within the history and literature of the Hebrew Bible/Old Testament and/or New Testament. Students can expect to do focused reading, discussion, and research on a particular historical, literary, and/or methodological issue pertaining to the topic. Variable content course. May be repeated once if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 751 Seminar in Religions of Europe and the Middle East

Detailed study of selected persons, authors, movements, and eras in the history of Judaism, Christianity, Islam, or other religions of Europe and the Middle East. Variable content course. May be repeated once if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 771 Seminar in Religion and Culture

Recommended Prerequisite: REL 770. A seminar applying various perspectives to individual religious practice and religious institutions in selected Western and non-Western societies. May be repeated once if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

REL 796 Readings in Religious Studies

Prerequisite: recommendation of the Religious Studies general graduate advisor and permission of instructor.

Arranged program of readings for the individual student directed by a member of the graduate faculty. Before enrolling in the course, student and instructor must sign an agreement that details the course requirements. Variable content course. May be repeated, when topics varies, to a maximum of 9 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

REL 799 Thesis

Prerequisite: recommendation of the Religious Studies general graduate advisor and permission of student's thesis advisor.

The student will prepare an in-depth thesis on a clearly-defined topic within his or her area of specialization. Before enrolling in the course, student and thesis advisor must sign an agreement that details the course requirements. May be repeated to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

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Undergraduate Catalog

Religious Studies Faculty

Professors

Stephen C. Berkwitz, PhD

John E. Llewellyn, PhD

Victor H. Matthews, PhD

Kathy J. Pulley, PhD

Austra Reinis, PhD

John A. Schmalzbauer, PhD Blanche Gorman Strong Chair in Protestant Studies

John T. Strong, PhD

Associate professors

Leslie A. Baynes, PhD

Mark D. Given, PhD

Assistant professors

Philippa Koch, PhD

Matthew Kuiper, PhD

Vadim Putzu, PhD

Senior instructors

Lora J. Hobbs, MA

Micki A. Pulleyking, PhD

Instructor

Amy Artman, PhD

Emeritus faculty

Stanley M. Burgess, PhD

LaMoine F. DeVries, PhD

Martha L. Finch, PhD

Charles W. Hedrick, PhD

Karl W. Luckert, PhD

J. Ramsey Michaels, ThD

James C. Moyer, PhD

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Missouri State

Office of the Registrar
Undergraduate Catalog

Religious Studies

Major(s)

Religious Studies (Non-Comprehensive) (BA)

Bachelor of Arts

A. General Education Program and Requirements
B. Major Requirements
   1. REL 100(3), 101(3), 102(3), 131(3), 210(3), 580(3)
   2. Complete 15 hours from the following four areas, distributed so that there will be at least six hours in one area and three hours in each of the other three areas. Courses must be chosen to include at least one 500-level course and another course at the 300-level or higher*:
      a. Religions of Asia: REL 355(3), 357(3), 358(3), 360(3), 540(3)
      b. Biblical Studies: REL 312(3), 319(3), 320(3), 321(3), 322(3), 323(3), 325(3), 327(3), 362(3), 510(3), 570(3)
      c. Religions of Europe and the Middle East: REL 330(3), 338(3), 340(3), 341(3), 342(3), 350(3), 353(3), 550(1-3)
      d. Religion and Culture: REL 200(1), 315(3), 332(3), 344(3), 345(3), 346(3), 347(3), 348(3), 368(3), 370(3), 378(3), 530(3); REL 390(3) or SOC 390(3) or PSY 533(3)

      *Variable content courses (REL 397, 399, 499) may be counted where appropriate with the approval of the advisor and department head. A maximum of 3 hours of REL 499 may be applied to the major.
   3. Public Affairs Capstone Experience will be fulfilled by completion of REL 580(3).
C. Minor Required (or second major)
D. Specific Bachelor of Arts Degree Requirements
E. General Baccalaureate Degree Requirements

Religious Studies (Non-Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements
   1. REL 100(3), 101(3), 102(3), 131(3), 210(3), 580(3)
   2. Complete 21 hours from the following four areas, distributed so that there will be at least three hours in each of the areas at the 300-level or higher*. Courses must be chosen to include at least one 500-level course:
      a. Religions of Asia: REL 355(3), 357(3), 358(3), 360(3), 540(3)
      b. Biblical Studies: REL 312(3), 319(3), 320(3), 321(3), 322(3), 323(3), 325(3), 327(3), 362(3), 510(3), 570(3)
      c. Religions of Europe and the Middle East: REL 330(3), 338(3), 340(3), 341(3), 342(3), 350(3), 353(3), 550(1-3)
      d. Religion and Culture: REL 200(1), 315(3), 332(3), 344(3), 345(3), 346(3), 347(3), 348(3), 368(3), 378(3), 530(3); REL 390(3) or SOC 390(3) or PSY 533(3)

      *Variable content courses (REL 397, 399, 499) may be counted where appropriate with the approval of the advisor and department head. A maximum of 3 hours of REL 499 may be applied to the major.
   3. Public Affairs Capstone Experience will be fulfilled by completion of REL 580(3).
C. Minor Required (or second major)
D. General Baccalaureate Degree Requirements

Minor(s)

Religious Studies

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Science

Bachelor of Science in Nursing

Bachelor of Social Work

A. REL 100(3); REL 101(3) or 102(3); REL 210(3)
B. Complete nine additional hours of Religious Studies electives to include at least six hours of courses at the 300-level or higher to total 18 hours in minor. PSY 533(3) may be used toward the nine hours of electives. A maximum of 3 hours of REL 499 may be applied to the minor.

Religious Studies

Bachelor of Science in Education (Non-Certifiable)

A. REL 100(3); REL 101(3) or 102(3); REL 210(3)
B. Complete nine additional hours of Religious Studies electives to include at least six hours of courses at the 300-level or higher to total 18 hours in minor. EDC 345(3) and PSY 533(3) may be used toward the nine hours of electives. A maximum of 3 hours of REL 499 may be applied to the minor.

Accelerated graduate program in Religious Studies

Eligible Missouri State undergraduate students may apply for admission to the Religious Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Interfaith Engagement Certificate

Interfaith Engagement

This certificate is jointly offered by the Department of Religious Studies and the Department of Communication and is designed to equip students to participate in interfaith activities and to increase their cultural competence with religious diversity. The program will assist students in developing the knowledge base and communication skills to engage people with different orientations in and around religion. Students who complete this certificate will acquire a background to work with religious diversity in settings in the United States and across the globe.

This certificate is administered by the Department of Religious Studies.

Program requirements (16 hours)

A. Required Core Courses (select two courses with two different course codes - 6 hours):
   1. COM 205(3)* or COM 260(3)*
   2. REL 100(3)* or REL 210(3)*

B. Select one course in Communication Skills (3 hours): COM 205(3)*, COM 260(3)*, COM 326(3), COM 332(3), COM 336(3), COM 511(3), COM 513(3)

C. Select one course in Human Experience (3 hours): REL 100(3)*, REL 332(3), REL 338(3), REL 346(3), REL 347(3), REL 368(3), REL 370(3), REL 378(3), PSY 533(3)

D. Select one course in Religious Diversity (3 hours): REL 131(3), REL 210(3)*, REL 330(3), REL 340(3), REL 342(3), REL 344(3), REL 350(3), REL 355(3), REL 357(3), REL 360(3)

E. Engaged Learning Experience (1 hour): REL 399 Independent Study or another approved course. Students in this program select a one-credit hour course that engages them in interfaith activities outside of the classroom. The director of the certificate program will assist the student in identifying an appropriate engaged interfaith project that is consistent with the aims of the certificate. The program offers a variety of engaged learning experiences through campus and community partners. Service-Learning courses may be used to count for this requirement, subject to approval by the program director. Students may also propose their own engaged learning experience, which is subject to approval by the director of the certificate program. To request permission to enroll in the required independent study course, REL 399 or an appropriate alternative, please contact the Director of the Undergraduate Certificate in Interfaith Engagement.

F. All candidates must satisfy the General University Certificate Requirements.

*Courses may only apply to one area of the certificate program.

Completion requirement

Attain a GPA of 2.50 or higher in the courses used to complete the certificate requirements.

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Medical Humanities Certificate

Medical Humanities

This certificate is jointly offered by the Department of Religious Studies and the Department of Sociology and Anthropology. The certificate provides a cross-disciplinary study of cultural and personal engagement with illness and health. The program offers social, historical, rhetorical, and artistic approaches to urgent questions of bodily experience that are often limited to scientific medical paradigms. The certificate will assist students in a variety of disciplines to develop skills for empathizing with the experiences of others, interpreting personal challenges and tragedies in life stories, understanding ethical dilemmas and notions of moral responsibility, and evaluating complex arguments about the practice and costs of health care in contemporary society. Such diverse perspectives will greatly enrich courses of study in health-related fields as well as any fields of critical inquiry into human cultures and communities.

This certificate is administered by the Department of Religious Studies.

Program requirements (12 hours)

1. Select four of the following but no more than two with the same course code: ANT 515(3), ECO 504(3), ENG 563(3), ENG 570(3); GER 309(3) or PSY 309(3); GER 363(3) or PSY 363(3); GER 370(3) or PSY 370(3); HST 529(3), IPE 376(3), IPE 377(3), LLT 321(3), PHI 513(3), REL 338(3), REL 347(3), REL 348(3), REL 358(3), REL 368(3), REL 378(3), SOC 341(3)
2. All candidates must satisfy the General University Certificate Requirements.

Completion requirement

Attain a GPA of at least 2.50 or higher in courses used to complete the certificate requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Sociology and Anthropology

Programs

Undergraduate

Anthropology (BA, BS, Minor)

Sociology (BA, BS, Minor)

Diversity in the United States (Certificate)

Linguistics (Minor)
Interdisciplinary program offered by the College of Arts and Letters and Department of Sociology and Anthropology

Medical Humanities (Certificate)
Interdisciplinary program offered by Department of Religious Studies and Department of Sociology and Anthropology

Mission statement

The Department of Sociology and Anthropology exists to educate students in the principles, methods, and contents of sociology and anthropology/archaeology; to conduct scholarly endeavors in these fields; and to provide service activities for the Department, College of Humanities and Public Affairs, Missouri State University, the State of Missouri, the human community, and discipline-based organizations. We carry out these endeavors within the context of the public affairs mission of the University.

Contact

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Sociology and Anthropology Faculty

Professors

John B. Harms, PhD

William C. Meadows, PhD

David Rohall, PhD

Elizabeth A. Sobel, PhD

Suzanne E. Walker-Pacheco, PhD

Associate professors

Catherine Hoegeman, PhD

F. Scott Worman, PhD

Assistant professors

Lyle Q. Foster, MA

Laura B. Hart, MA

Erin J. Kenny, PhD

Kyler Sherman-Wilkins, PhD

Abby I. Templer Rodrigues, PhD

Alicia M. Walker, PhD

Marnie K. Watson, PhD

Instructor

Jason A. Shepard, MPH

Emeritus faculty

Gary L. Brock, PhD

Margaret L. Buckner, PhD

Doris W. Ewing, PhD

Shahin Gerami, PhD

Tim D. Knapp, PhD

Donald D. Landon, PhD

William E. Larkin, PhD

Jeffrey E. Nash, PhD

Marvin T. Prosono, PhD

Burton L. Purrington, PhD

Lorene H. Stone, PhD

William A. Wedenoja, PhD

Martha F. Wilkerson, PhD

Juris Zarins, PhD

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Missouri State

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Sociology and Anthropology Courses

Anthropology (ANT) courses

ANT 100 World Cultures

General Education Course (Focus on Cultural Competence).

An exploration of cultural differences throughout the world, with emphasis on nonwestern societies, from the perspective of cultural anthropology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	ANTH 201 - Cultural Anthropology.

Access the CORE 42 portal

ANT 125 Exploring Our Human Ancestry

General Education Course (Focus on Social and Behavioral Sciences).

This course explores what it means to be human by tracing our biological and cultural roots. Topics include the evolutionary process; our place among the living primates; fossil and archaeological evidence of human ancestors; and the origins of language, society, and culture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	ANTH 101 - General Anthropology.

Access the CORE 42 portal

ANT 303 Cultural Anthropology

The comparative study of human society and culture, focusing on theories of culture and cultural institutions and ethnographic and cross-cultural methods of research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	ANTH 201 - Cultural Anthropology.



Access the CORE 42 portal

ANT 304 Biological Anthropology

An examination of biological aspects of humanity from comparative and evolutionary perspectives. Topics include evolutionary theory, the origin and evolution of nonhuman primates and humans, primate behavior, biological variation among human populations, and anatomical and physiological influences on behavior.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ANT 305 Introduction to Archaeology

An introduction to the goals, methods, theories, issues, and ethics of archaeology-the study of cultures in the past from the remains they left behind. Topics will include archaeological survey, excavation, dating techniques, artifact analysis, conservation, and cultural adaptation and change.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ANT 306 Linguistic Anthropology

This course is an introduction to the field of linguistic anthropology, with special emphasis on language as a basic component of human culture. Subjects include the humanness of language, the study of linguistic structure, description and analysis of languages, origins of human speech, the history of languages and writing, the use of language in social relations, and the relationship among language, thought, and culture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ANT 309 Service Learning in Anthropology

Prerequisite: 30 hours and concurrent registration in an anthropology course designated as a service learning offering.

An integrative learning experience which addresses the practice of citizenship and promotes an awareness of and participation in public affairs by incorporating community service with classroom instruction. Includes 40 hours on-task service to a community organization, agency or public sector provider. The community service placement agency and service assignment will vary, dependent on the disciplinary course topic and learning objectives. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

ANT 312 Anthropology of Gender

Prerequisite: ANT 100 or ANT 303 or permission of instructor.

Theories, concepts, and case studies relating to the cultural and social construction of gender from an anthropological perspective. Students will examine gender in relation to sexuality, fertility, child-bearing, self-identification, family, power, status, voice, hegemony/resistance, colonialism, and globalization in cultures and societies around the world.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 314 Environmental Anthropology

Prerequisite: ANT 100 or ANT 303.

An introduction to the anthropological study of the dynamic relationship between humans and their environment. Students will learn how belief systems, political ideologies and religions around the world have shaped human-environment relationships.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 315 Anthropology of Globalization

Prerequisite: ANT 100 or ANT 303 or permission of instructor.

This course critically examines the interconnected modern world using theories, methods, case studies, and concepts developed in cultural anthropology. Students will explore how economic exchanges, new media, human migration, knowledge flows, and other dimensions of globalization are variously experienced in diverse parts of the world by tracing global structures of power and mobility.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 316 Ends of Life

Prerequisite: ANT 100 or ANT 303 or permission of instructor.

This course explores the social, cultural, and biological nature of human personhood in the context of death and dying. Students will examine anthropological literature that seeks to explain and interpret the tremendous cross-cultural variation in mortuary rituals and funerary behavior, the cultural construction of death, mourning and bereavement, and medical and ethical issues relating to death and dying. Students will also examine a variety of ways that US society deals with death and dying today.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 320 Ethnography

Prerequisite: ANT 100 or ANT 303.

In this course students will read, critique, and compare selected ethnographic accounts of societies around the world and explore ways in which anthropologists have written about and interpreted cultures.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 325 North American Indian Cultures

Prerequisite: ANT 100 or ANT 303.

A survey and comparison of Native American societies and cultures in North America (north of Mexico), including their ecology, subsistence, technology, social organization, politics, and religion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 326 Plains Indian Cultures

This course examines the origins, development, and traditional cultures of Native American groups in the North American Plains region. Topics will include the prehistoric record, historical influences, material culture, subsistence, languages, social organization, trade, law and social control, warfare and alliances, art and religion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 330 Peoples and Cultures

Anthropological study of a cultural region of the world (such as the Caribbean, Latin America, or Southeastern Indians), including environment, subsistence, technology, economy, social and political organization, and religion. Variable content course. May be repeated when topic changes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ANT 331 Peoples and Cultures of the Caribbean

An introduction to the peoples, societies, and cultures of the Caribbean region, which includes the islands of the West Indies and portions of Central and South America. This course will examine the development of the region from prehistoric times to the present and the effects of the Atlantic slave trade, the African diaspora, sugar plantations, and Spanish, British, French, Dutch, and American colonialism on the region today.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 332 Peoples and Cultures of Africa

An exploration of African societies (especially sub-Saharan), including family structure, gender relations, social and political organization, beliefs, economics, art, oral literature, music, dance, and other aspects of culture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 334 Peoples and Cultures of Japan

An anthropological survey of the culture and cultural development of the peoples of Japan, from prehistory to the present, including cultural ideology and ethos, social organization, major cultural principles, customs, religion, technology, material culture, and the arts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 335 Peoples and Cultures of the Middle East

A survey presentation of key themes and problems to be found in the Middle East, ranging from the re-establishment of Israel to modernity and tradition in the greater Arab Near East. In addition, topics ranging from the individual to state formation will be discussed. Traditional society, customs, and historical patterns will be examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 336 Peoples and Cultures of Latin America

An overview of the peoples and cultures of Latin America. Explores culture, politics, economics, race, ethnicity, religion, gender, health, popular culture, social movements, environmental issues, and historical developments in Latin America from an anthropological perspective.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 340 Archaeology of Complex Societies

Prerequisite: ANT 305 or permission of instructor.

A detailed consideration of the archaeological study of complex societies, emphasizing the origins and development of social forms and institutions of the modern world such as social inequality, urbanism, and nation-states and empires. Case studies may be selected from Africa, Asia, Europe, North America, and South America.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 345 Historical Archaeology

Prerequisite: ANT 305.

Historical archaeology investigates the emergence of the modern world over the past ca. 500 years through the study of the material traces of human behavior, in conjunction with the study of written and oral records. This course provides an in-depth introduction to the field of historical archaeology including its methods, theoretical approaches, debates, and applications. Key topics include the historical archaeology of colonialism, slavery, class, gender, ethnicity, consumerism, capitalism, and industrialization. By the end of the course, students will understand how archaeologists recover, analyze, and interpret historical artifacts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 351 Field Archaeology

Prerequisite: ANT 125 or ANT 305; and permission.

Field experience in the techniques, methods and theories of reconnaissance and excavation of archaeological sites. May be repeated to a maximum of nine hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-6			Upon demand

ANT 355 Environmental Archaeology

Prerequisite: ANT 305 or BIO 122 or GLG 110 or GLG 171 or GRY 108 or GRY 142.

This course focuses on the archaeological study of human interactions with the environment over long periods of time and in multiple settings. It will emphasize both the methods scientists in multiple disciplines use to reconstruct past environments and the conceptual frameworks that are relevant to understanding how people acted on and reacted to the changing world around them. As a holistic and diachronic study of the socio-natural system, environmental archaeology can provide unique perspectives on today's ecological challenges.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 360 North American Archaeology

Prerequisite: ANT 305.

Americanist archaeology is distinctive as a set of theoretical and methodological orientations. This course illustrates those orientations through archaeological case studies of initial human migrations, hunting-and-gathering societies, the formation of more complex polities, and European colonialism in North America. The multiple contexts of archaeological research and its impacts on living people are also considered.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 361 Research Methods in Biological Anthropology

Prerequisite: ANT 304 or concurrent enrollment.

A survey of techniques and materials used in biological anthropology. Course will cover the main areas of biological anthropology with a focus on hands-on learning activities in the realms of evolutionary theory, basic human genetics, primatology, human evolution, and forensic anthropology. Students will use the departmental collection of bones and fossil casts to become familiar with skeletal remains and the variability that exists in human and nonhuman primate populations, past and present.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 363 Survey of Forensic Anthropology

A survey of the scope of forensic anthropology, which deals with identification and interpretation of human skeletal remains in medico-legal contexts. Included in this course are both theoretical and practical components. Topics to be discussed include the history and ethics of forensic anthropology, forensic investigation, influence of activity and disease on bone, and human rights applications. Practical aspects cover identification of bones and features of the human skeleton; techniques for determining age, sex, stature and race, and distinguishing human from nonhuman skeletal remains.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 365 Human Variation

Prerequisite: ANT 304, or BIO 101 and 111, or BIO 121, or BMS 100 and 101, or BMS 110 and 111.

An examination of ways in which humans have adapted both genetically and physiologically to a wide variety of environments and how these adaptations have produced the biological variation seen in contemporary human populations. Major topics will include historical and current approaches to classifying human groups, human growth and development, adaptation and acclimatization to specialized environments, genetic disease, and tracing lineages through DNA analysis. It will also explore recent studies relating human biology to social constructs such as gender, race, ethnicity, and intelligence.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 370 The Living Primates

Prerequisite: ANT 304 or BIO 122 or PSY 336.

An introduction to the human species' closest relatives, the nonhuman primates (prosimians, monkeys, and apes); their taxonomy, distribution, morphology, ecology, evolution, behavior, and conservation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 375 Human Evolution

Prerequisite: ANT 304 or BIO 122.

An exploration into the evolution of the human species, through examination of fossil and molecular evidence.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 380 Language and Culture

Prerequisite: ANT 306 or ENG 296.

Advanced study in linguistic anthropology on topics such as ethnographies of speaking, ethnolinguistics, language change and historical linguistics. Variable content course. May be repeated when topic changes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ANT 390 Native American Code Talkers

This course explores the use of Native American languages in U.S. military service during World War I and World War II. The cultural background of code talkers, their recruitment, use in combat situations and post war experiences will be examined, along with their unique status in Native American cultures and recent efforts to document and recognize them.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

ANT 395 History of Anthropological Theory

Prerequisite: ANT 303 and 60 hours.

This course traces the development of anthropology and anthropological theory, with emphasis on the major theorists and schools of thought in the twentieth century. Public Affairs Capstone Experience course.

thought in the twentieth century. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ANT 397 Special Topics

Selected topics such as primitive technology, cultural ecology and behavioral evolution. Variable content course. May be repeated to a maximum of nine hours when topic changes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ANT 490 Field Experience in Anthropology

Prerequisite: permission of instructor.

Supervised group study and/or research in an off campus setting. A fee may be charged to cover travel expenses. May be repeated when topic changes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

ANT 499 Internship in Anthropology

Prerequisite: 18 hours of ANT and permission of instructor.

This independent study course provides an opportunity to earn academic credit for supervised work experience related to anthropology with an approved business, industry, organization, or government agency. May be repeated to a maximum of six hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

ANT 500 Applied Cultural Anthropology

Prerequisite: ANT 303 and 60 hours.

An introduction to the field of applied anthropology, which is the application of anthropological methods, theories, and knowledge to the problems of society. Applied anthropology is the fastest growing field of anthropology today because it provides a basis for many careers. Course will examine the role of cultural anthropologists in areas such as foreign aid and development projects, migrant and refuge services, disasters and humanitarian assistance, human rights issues, business and industry, health and medicine, tourism, environmental protection, fisheries management, the military, and cultural preservation. May be taught concurrently with ANT 600. Cannot receive credit for both ANT 500 and ANT 600.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 505 Ethnohistory

Prerequisite: ANT 303 and 60 hours.

The use of documents, maps, photos, recordings, oral histories, artifacts, folklore, linguistics, and ethnography to reconstruct the culture history of a social or ethnic group, particularly historically marginalized peoples such as Native Americans. May be taught concurrently with ANT 605. Cannot receive credit for both ANT 505 and ANT 605.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 511 Ethnographic Field Methods

Prerequisite: ANT 303 and 60 hours.

Ethnographic methods and techniques in the study of culture, with emphasis on participant-observation, interviewing, note-taking and management, data analysis, and ethics. May be taught concurrently with ANT 611. Cannot receive credit for both ANT 511 and ANT 611.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ANT 514 Anthropology of Development

Prerequisite: ANT 303 and 60 hours.

This course examines theories, concepts, underlying assumptions, and case studies about aid and other assistance to developing nations. It will consider the various meanings given to development by residents of particular regions, as well as those of aid workers, policy makers, private industries, non-governmental and non-profit organizations, and government officials. The course will examine how development projects and policies in areas such as public health and food systems are experienced in daily life in urban and rural areas in Africa, Latin American, and Asia. Students will develop critical thinking skills about the role of culture in the complex and diverse world of international aid. May be taught concurrently with ANT 614. Cannot receive credit for both ANT 514 and ANT 614.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 515 Medical Anthropology

An examination of health, illness and healing from an applied anthropological perspective, Medical anthropology is one of the largest fields in the discipline of anthropology today, and one that has obvious applications. Topics may include: evolutionary perspectives on illness, the cultural construction of illness, cross-cultural variations in illness and healing, ethnomedical beliefs and practices, shamanism and other

forms of symbolic healing, ethnobotany, and relations between biomedicine and ethnomedicine. May be taught concurrently with ANT 615. Cannot receive credit for both ANT 515 and ANT 615.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 516 Anthropology of Tourism

Prerequisite: ANT 303 and 45 hours.

Tourism is a huge, powerful, and problematic industry that is having profound effects on peoples and cultures around the globe today, particularly in societies traditionally studied by anthropologists. The anthropological study of tourism seeks to understand the motives and experiences of the tourist, the relationships between "hosts" and "guests", and the impacts of the industry on communities, cultures, and identities. This course pays particular attention to ethnic, cultural, and heritage tourism and to "best practices" that promote sustainable community development as well as social justice and cultural preservation. May be taught concurrently with ANT 616. Cannot receive credit for both ANT 516 and ANT 616.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 525 North American Indians Today

Prerequisite: 60 hours.

Recommended Prerequisite: ANT 325. Focuses on major developments in North American Indian life in the 20th and 21st centuries, including cultural, social, economic, political, environmental, and legal issues that affect Native Americans today. May be taught concurrently with ANT 626. Cannot receive credit for both ANT 626 and ANT 525.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 545 Cultural Resource Management

Prerequisite: 60 hours.

An examination of laws and regulations pertaining to the preservation of American history and culture and the professional management and preservation of ethnic, historic, and prehistoric cultural resources. May be taught concurrently with ANT 645. Cannot receive credit for both ANT 545 and ANT 645.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ANT 550 Advanced Methods in Archaeology

Prerequisite: ANT 305 and 60 hours.

Advanced study and practice in methods and techniques employed in archaeology such as lithic, ceramic, and faunal analysis. Variable content course. May be repeated when topic changes. May be taught concurrently with ANT 650. Cannot receive credit for both ANT 650 and ANT 550 for the same topic.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ANT 555 Archaeological Theory

Prerequisite: ANT 305 and 60 hours.

A comprehensive and in-depth examination of theoretical issues and perspectives concerning the practice of archaeology and the interpretation of archaeological remains. May be taught concurrently with ANT 655. Cannot receive credit for both ANT 555 and ANT 655.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 596 Directed Readings in Anthropology

Prerequisite: 6 hours of ANT and permission of instructor.

Readings designed to supplement material introduced in previous anthropology courses. Includes a wide selection of literature in the field. May be repeated to a maximum of six hours. Cannot receive credit for more than 6 hours of ANT 596 and ANT 696 combined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

ANT 598 Seminar in Anthropology

Prerequisite: 60 hours including 3 hours of Anthropology.

A detailed investigation and analysis of a specialized or advanced topic of interest to anthropology (e.g., Upper Paleolithic art, the evolution of human behavior, ethnographies of religion). May be repeated when topic changes. Variable content course. May be taught concurrently with ANT 698. Cannot receive credit for both ANT 698 and ANT 598.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 599 Directed Research in Anthropology

Prerequisite: 9 hours in Anthropology and permission of instructor.

Individual or group research involving supervised collection and analysis of cultural data. May be repeated to a maximum of nine hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

ANT 600 Applied Cultural Anthropology

An introduction to the practice of applied anthropology, which is the application of anthropological methods, theories, and knowledge to the problems of society. Applied anthropology is the fastest growing field of anthropology today and provides a basis for many careers. We will examine the role of anthropologists in areas such as foreign aid and development projects, migrant and refugee services, disasters and humanitarian assistance, human rights issues, business and industry, health and medicine, tourism, environmental protection, fisheries management, the military, and cultural preservation. May be taught concurrently with ANT 500. Cannot receive credit for both ANT 500 and ANT 600.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 605 Ethnohistory

Prerequisite: permission of instructor.

The use of documents, maps, photos, recordings, oral histories, artifacts, folklore, linguistics, and ethnography to reconstruct the culture history of a social or ethnic group, particularly historically marginalized peoples such as Native Americans. May be taught concurrently with ANT 505. Cannot receive credit for both ANT 605 and ANT 505.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 611 Ethnographic Field Methods

Ethnographic methods and techniques in the study of culture, with emphasis on participant-observation, interviewing, note-taking and management, data analysis, and ethics. May be taught concurrently with ANT 511. Cannot receive credit for both ANT 511 and ANT 611.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ANT 614 Anthropology of Development

This course examines theories, concepts, underlying assumptions, and case studies about aid and other assistance to developing nations. It will consider the various meanings given to development by residents of particular regions, as well as those of aid workers, policy makers, private industries, non-governmental and non-profit organizations, and government officials. The course will examine how development projects and policies in areas such as public health and food systems are experienced in daily life in urban and rural areas in Africa, Latin American, and Asia. Students will develop critical thinking skills about the role of culture in the complex and diverse world of international aid. May be taught concurrently with ANT 514. Cannot receive credit for both ANT 514 and ANT 614.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 615 Medical Anthropology

An examination of health, illness and healing from an applied anthropological perspective, Medical anthropology is one of the largest fields in the discipline of anthropology today, and one that has obvious applications. Topics may include: evolutionary perspectives on illness, the cultural construction of illness, cross-cultural variations in illness and healing, ethnomedical beliefs and practices, shamanism and other forms of symbolic healing, ethnobotany, and relations between biomedicine and ethnomedicine. May be taught concurrently with ANT 515. Cannot receive credit for both ANT 615 and ANT 515.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 616 Anthropology of Tourism

Tourism is a huge, powerful, and problematic industry that is having profound effects on peoples and cultures around the globe today, particularly in societies traditionally studied by anthropologists. The anthropological study of tourism seeks to understand the motives and experiences of the tourist, the relationships between "hosts" and "guests", and the impacts of the industry on communities, cultures, and identities. This course pays particular attention to ethnic, cultural, and heritage tourism and to "best practices" that promote sustainable community development as well as social justice and cultural preservation. May be taught concurrently with ANT 516. Cannot receive credit for both ANT 516 and ANT 616.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 626 North American Indians Today

Focuses on major developments in North American Indian life in the 20th and 21st centuries, including cultural, social, economic, political, environmental, and legal issues that affect Native Americans today. May be taught concurrently with ANT 525. Cannot receive credit for both ANT 525 and ANT 626.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 645 Cultural Resource Management

An examination of laws and regulations pertaining to the preservation of American history and culture and the professional management and preservation of ethnic, historic, and prehistoric cultural resources. May be taught concurrently with ANT 545. Cannot receive credit for both ANT 645 and ANT 545.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Fall

ANT 650 Advanced Methods in Archaeology

Advanced study and practice in methods and techniques employed in archaeology such as lithic, ceramic, and faunal analysis. Variable content course. May be repeated when topic changes. May be taught concurrently with ANT 550. Cannot receive credit for both ANT 650 and ANT 550 for the same topic.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ANT 655 Archaeological Theory

A comprehensive and in-depth examination of theoretical issues and perspectives concerning the practice of archaeology and the interpretation of archaeological remains. May be taught concurrently with ANT 555. Cannot receive credit for both ANT 655 and ANT 555.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 698 Seminar in Anthropology

A detailed investigation and analysis of a specialized or advanced topic of interest to anthropology (e.g., Upper Paleolithic art, the evolution of human behavior, ethnographies of religion). Variable content course. May be repeated when topic changes. May be taught concurrently with ANT 598. Cannot receive credit for both ANT 598 and ANT 698.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 701 Graduate Colloquium in Applied Anthropology

Prerequisite: acceptance into a graduate program in Anthropology.

An introduction to graduate study, careers, and professionalization in applied anthropology. Incoming students will interact with faculty, advanced graduate students, and professionals in the field to explore opportunities for internships and graduate projects, and will develop relevant professional skills to prepare them for their career track.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ANT 705 Anthropological Theory and Practice

Prerequisite: admission to the Applied Anthropology MS Program or permission of instructor.

Examines anthropological theories and how they are translated into practice in the context of scholarly and applied anthropology. Topics include the history of anthropological theory, the application of theory in all subfields, and contemporary trends.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

ANT 751 Graduate Field Archaeology

Prerequisite: ANT 351 or equivalent.

This course offers field experience in the techniques and methods used in archaeological survey and excavations. Graduate students will gain experience planning investigations and supervising crews of undergraduate students and will contribute to reporting the results of research. Variable credit course. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

ANT 770 Research Design and Writing in Anthropology

Prerequisite: ANT 700.

How to plan and conduct a research project in applied anthropology and prepare grant proposals, contract reports, journal publications, and other professional documents in anthropology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ANT 790 Internship in Applied Anthropology

Prerequisite: ANT 701 and permission of instructor.

A minimum of 200 hours of work experience as an applied anthropologist with an approved business, organization, program, or agency. Requires a written report and a public presentation. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

ANT 795 Directed Readings in Anthropology

Prerequisite: permission of instructor.

Supervised readings in preparation for a practicum or thesis project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ANT 796 Directed Research in Anthropology

Prerequisite: permission of instructor.

Supervised research necessary for completion of a master's degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ANT 797 Practicum in Applied Anthropology

Prerequisite: ANT 770 and permission of instructor.

The student will conduct an applied research project from start to finish, culminating in a professional report. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-6			Upon demand

Sociology (SOC) courses

SOC 150 Introduction to Society

General Education Course (Focus on Social and Behavioral Sciences).

The study of society including its structure and operation from the perspective of sociology. The course focuses on ways society is constructed by people and, in turn, on the ways society shapes people. This general education course supplies students with a community as well as global, multicultural understanding of society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	SOCI 101 - General Sociology.

Access the CORE 42 portal

SOC 152 Social Problems in the Community

Prerequisite: 12 hours.

General Education Course (Focus on Public Issues).

Sociological perspectives on contemporary social issues and problems in American society that are faced by today's communities. A public sociology focus is addressed in this course. This general education course will allow students to recognize the importance of contributing their knowledge and experiences to help resolve social problems in their own community and the broader society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	SOCI 201 - Social Problems.

Access the CORE 42 portal

SOC 300 Service Learning Curricular Component

Prerequisite: 30 hours and concurrent registration in a Sociology course designated as service learning offering.

An integrative learning experience which addresses the practice of citizenship and promotes an awareness of and participation in public affairs by incorporating community service with classroom instruction. Includes 40 hours on-task service to a community organization, agency or public service provider. The community service placement agency and service assignment will vary, dependent on the disciplinary course topic and learning objectives. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

SOC 301 Research Methodology

Prerequisite: SOC 150.

Methods of collecting and analyzing data including interviewing and observation techniques, scaling and sampling designs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SOC 302 Statistics for Social Research

Prerequisite: sophomore standing and completion of MTH 130 or higher.

It is recommended that Sociology majors taking SOC 302 concurrently enroll in SOC 303. Introduction to statistics with special emphasis on those techniques most commonly used in social research. Cannot receive credit toward a degree for more than one of the following courses: AGR 330, IPE 381, MTH 340, PSY 200, QBA 237, REC 328, SOC 302.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SOC 303 Quantitative Methods Lab

Prerequisite: SOC 302 (or equivalent) or concurrent enrollment.

It is recommended that all Sociology majors enrolled in SOC 302 concurrently enroll in SOC 303. An introduction to and application of quantitative social science data analysis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

SOC 305 Population, Society, and Public Policy

This course provides an introduction to the field of demography with an emphasis on demographic techniques, population processes of fertility, mortality, migration, and the impact of population change on society and public policy. Topics of interest will include analysis of population size, characteristics, and growth/decline; overpopulation and sustainability; population aging, cohorts, and generations; changes to the family (fertility, marriage, divorce, and cohabitation); myths and realities surrounding immigration; and the role of public policy in addressing population issues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SOC 309 Work, Industry, and Society

The industrialization of society and its impact on formal and informal organization, management philosophies, worker attitudes and labor relations. Current trends affecting the work place are examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SOC 310 Social Deviance

An historical survey of the explanations of deviant behavior. Emphasis will focus on the structure of norms and rules, their diversity, and their role in identifying deviance.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SOC 311 Sociology of Sexuality

This course studies a wide range of sexual phenomena from a sociological perspective. Sociologists know that sex does not happen in a vacuum. To the contrary, sex is tied up with history, culture, politics, and power. Though we like to believe that our sexual behavior is a private experience untouched by society, sexual desire and sexual activity are in fact structured by social interactions. We can see this in the way that sexuality, sexual practice, and sexual identity are not static concepts, but rather are fluid and different throughout time and space.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (even-numbered years), Spring (even-numbered years)

SOC 315 The Family

The family as a social institution; its adjustment to modern social conditions; personality adjustments in marriage.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SOC 316 Urban Sociology

The rise and development of urban settlements (cities), their ecology, problems, and an examination of urbanism as a way of life generated in cities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SOC 318 Sociology of Love and Courtship

This course will explore love, romance, desire, courtship, and intimate relationships in the modern world. We will examine some of the cultural, structural, and historical conditions that shape one of the most profound sets of human experiences: those associated with love and relationships.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SOC 319 Environmental Sociology

This course examines the causes and consequences of environmental problems, environmental movements, impacts of technological change, environmental policy and the state, environmental values, attitudes, and behaviors. Specific topics will vary, but may include resource scarcity, toxics, overconsumption, agricultural production, and more.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SOC 320 Political Sociology

Introduces students to a sociological analysis of political organization forms and their relations with other elements of social life. Students examine the concept of power and the intersection of personality, social structure, and politics. The course also emphasizes how social inequality between groups (e.g. race, class, and gender, etc.) influences politics and elaborates major social trends affecting the political process including how various social forces work to change political policies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SOC 325 Introduction to Sociological Theory

Prerequisite: SOC 150.

A survey of the development of sociological theory with emphasis upon the social and historical influences shaping the thought of classical theorists.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SOC 326 Feminist Theories of Social Order

Prerequisite: SOC 150 or GST 170.

This course offers an introductory survey of feminist theories within a sociological framework. Students will read and discuss significant classical and contemporary feminist writings on how social life is organized, maintained or changed. The feminist literature has led to the emergence of diverse theoretical frameworks analyzing historical and contemporary, macro and micro, public and private, local and global issues and concerns. The feminist paradigm, like many other paradigms, is inclusive of many disciplines. The sociological writings within this paradigm provide a wealth of materials on alternative views of social organization, order and conflict. Identical with GST 326. Cannot receive credit for both SOC 326 and GST 326.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SOC 332 Juvenile Delinquency

This course examines the topic of juvenile delinquency from a sociological perspective. Emphasis is placed on measuring and explaining the occurrence of delinquency in the United States. The course also takes a critical look at societal responses to the delinquency problem, including the juvenile justice system.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SOC 336 Race and Ethnicity

This course explores the social construction of race and ethnicity. Issues of differential power between racial and ethnic groups and the economic, political, and social structures which are utilized to maintain these power differences are identified. Social movements and social policies designed to address social inequality, prejudice and discrimination are also examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SOC 337 Sociology of Gender

SOC 337 Sociology of Gender

This course focuses on gender differences, patterns, and inequalities. It analyzes the social construction of gender, femininities and masculinities, gender socialization, and how gender intersects with race, class, and sexuality. Specific attention is paid to the significance of gender in interaction, culture, and social institutions, including work, politics, media, and the family.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SOC 341 Medical Sociology

An analysis of the ecological, sociopsychological and cultural aspects of health and illness, both physical and mental, and of the social organization of health care services and of health professions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SOC 357 Sociology of Sport

Investigation and analysis of the relationship between sport and society; the development and changing nature of sport as an institution; role of sport in modern society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SOC 360 The Individual in Society

This course explores how self understanding emerges in a social context and is inseparable from that context. It examines the symbolic basis of communication, traces the interdependency of self and other awareness, and probes the social organization of human experience.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SOC 375 Social Forces and Aging

Prerequisite: sophomore standing.

This course examines the aging process, demographic trends, and the social, economic, and social-psychological aspects of aging in the United States. Students will be introduced to current theories on aging in social gerontology and their application to the everyday lives of older people. Topics of interest include social attitudes toward aging, family and social bonds, work and retirement, gender issues, ethnicity and aging, living environments, and approaches to aging well. Students will learn about the role of federal, state and local agencies in meeting the needs of the elderly. Identical with GER 375. Cannot receive credit for both GER 375 and SOC 375.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SOC 380 Sociology of Law

The interaction of law and society from a sociological perspective with emphasis upon legal institutions as instruments of social control. The impact of social values on the development of the legal order and the reciprocal influence of the law on social behavior.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SOC 384 Social Movements

The study of collective attempts to implement social change in society. Specific groups studied will vary, but may include the civil rights, feminist, political, religious, environmental and health movements.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SOC 390 Religion in Society

Examines the relationship between religion and its social context. Students will explore the social nature of individual religious institutions. The relationship between religion and modernity will be studied. The course will pay special attention to the role of religion in American society, as well as the religious dimensions of class, gender, region, and race/ethnicity. Identical with REL 390. Cannot receive credit for both SOC 390 and REL 390. May be taught concurrently with SOC 790. Cannot receive credit for both SOC 390 and SOC 790.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SOC 391 The Holocaust - A Sociological Introduction

This course explores the social history of the Holocaust, its probable causes, magnitude, operation, consequences and the controversies which surround its study. Discussion ranges into the areas of sociology of religion and of law in order to understand compelling issues raised by this example of genocide.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

SOC 397 Special Topics

Selected topics of contemporary interest in Sociology. May be repeated to a total of 6 hours when the topic changes. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SOC 398 Public Sociology and Community Studies

Prerequisite: SOC 150 and Sociology major or minor.

Explores how Public Sociology is practiced and connected to the local community. Provides conceptual tools for analyzing communities and creates a foundation for meaningful community engagement. Each section will apply sociological theories and methods to a specific community issue or problem.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SOC 420 Social Inequality

Prerequisite: SOC 150.

An analysis of the structure, sources, and consequences of social inequality and the dimensions along which it may be observed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SOC 425 Advanced Sociological Theory

Prerequisite: SOC 325.

This course provides an in-depth analysis of a particular theorist, e.g. Karl Marx, Emile Durkheim, W.E.B. DuBois, Jane Addams; or theoretical orientation, e.g. symbolic interactionism, critical theory, dependency theory.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SOC 430 The Nonprofit Sector and Civil Society

This course is a broad exploration of the nonprofit organizational environment and how it relates to civil society. It explores the wide variety of organizations within the nonprofit sector, such as nonprofit and voluntary organizations, non-governmental organizations, philanthropic foundations, and civil society institutions. It reviews theories explaining the development of the nonprofit sector in relation to business and government. It combines a theoretical/conceptual approach with practical applications and local community examples. Nonprofits are explored at local (Springfield), national, and global levels.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

SOC 456 Food in Society

This course examines how procuring food impacts societal organization and is a catalyst for social change. The basic premise of this course is that understanding how a society feeds itself will reveal many sociological insights such as the distribution of wealth and power and the health of individuals and communities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SOC 470 Practicum in Applied Sociological Research

Prerequisite: SOC 301, SOC 302, SOC 325 and permission of instructor.

Group experience in designing and carrying out an applied community research project. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	4	Upon demand

SOC 492 Leadership and Professional Development

Prerequisite: senior standing.

All students majoring in Sociology are required to enroll in this course during their senior year. This course serves as the Public Affairs Capstone Experience for the Sociology major. The course has three focus areas: 1) career or graduate school preparation for upcoming graduates; 2) leadership concepts and applications; and 3) an individualized, community-based, applied experience in community service, career preparation, or research. In addition, students will complete several program-specific assessments of learning outcomes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Fall, Spring

SOC 497 Special Topics

Prerequisite: 9 hours sociology and permission of instructor.

Selected topics in substantive areas in sociology such as theory, methodology, social organization, social psychology, demography, criminology and family. Offered when resources and demand allow. May be repeated to a total of 6 hours when topic changes. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SOC 499 Internship in Applied Sociology

Prerequisite: 18 hours in Sociology and permission of instructor.

Supervised work experience in business, industry, governmental, institutional and/or agency settings where sociological skills are utilized. One credit hour for each 45 clock hours on the job. No more than 3 hours internship credit may be applied to the Sociology major.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

SOC 596 Directed Readings in Sociology

Prerequisite: permission of instructor.

Readings designed to supplement material introduced in previous Sociology courses. Includes a wide selection from literature in the field. May be repeated to a total of 9 hours, but no more than 6 hours may be applied to the sociology major. May be taught concurrently with SOC 697. Cannot receive credit for both SOC 697 and SOC 596.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SOC 599 Sociological Research

Prerequisite: SOC 150 and SOC 301 and SOC 302 and SOC 325 and permission of instructor.

Independent and/or group work in research methodology, data manipulation and presentation in selected fields of sociology. May be repeated to total of 9 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SOC 697 Directed Readings in Sociology

Prerequisite: permission of instructor.

Readings designed to supplement material introduced in previous Sociology courses. Includes a wide selection from literature in the field. May be repeated to a total of 9 hours, but no more than 6 hours may be applied to the sociology major. May be taught concurrently with SOC 596. Cannot receive credit for both SOC 596 and SOC 697.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Anthropology

Major(s)

Anthropology (Non-Comprehensive) (BA)

Bachelor of Arts

A. General Education Program and Requirements
B. Major Requirements (30 hours)
   1. Required Core (15 hours): ANT 303(3), 304(3), 305(3), 306(3), 395(3)
   2. Choose three hours of coursework in anthropological methods (3 hours): ANT 351(3), 361(3), 397(3)*, 490(3), 505(3), 511(3), 550(3), 598(3)*, 599(3)*
   3. Electives (12 hours): Complete 12 additional hours in Anthropology including at least nine hours of coursework numbered 300 or higher.
   4. Public Affairs Capstone Experience will be fulfilled by completion of ANT 395(3)
      when applicable
C. Minor Required (or second major)
D. Specific Bachelor of Arts Degree Requirements
E. General Baccalaureate Degree Requirements

Anthropology (Non-Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements (39 hours)
   1. Required Core (18 hours): ANT 303(3), 304(3), 305(3), 306(3), 395(3); SOC 302 or equivalent (3)
   2. Choose three hours of coursework in anthropological methods (3 hours): ANT 351(3), 361(3), 397(3)*, 490(3), 505(3), 511(3), 550(3), 598(3)*, 599(3)*
   3. Electives (18 hours): Complete 18 additional hours in Anthropology including at least 15 hours of coursework numbered 300 or higher.
   4. Public Affairs Capstone Experience will be fulfilled by completion of ANT 395(3).
      when applicable
C. Minor Required (or second major)
D. General Baccalaureate Degree Requirements

Minor(s)

Anthropology

Bachelor of Arts

Bachelor of Science

Bachelor of Social Work

A. Complete three of the following courses: ANT 303(3), 304(3), 305(3), 306(3)

B. Complete nine additional hours of electives in Anthropology. At least six hours must be at the 300 level or higher.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Sociology

Major(s)

Sociology (Non-Comprehensive) (BA)

Bachelor of Arts

A. General Education Program and Requirements
B. Major Requirements
    1. SOC 150(3), 301(3), 302(3), 325(3), 398(3), 492(3)
    2. Complete one course designated as having a cultural competence component: SOC 336(3), 337(3), 375(3) or 420(3)
    3. Complete one course designated as having a community engagement component: SOC 152(3), 300(1), 320(3) or 341(3)
    4. Complete additional Sociology hours bringing total hours in major to 36.
    5. Public Affairs Capstone Experience will be fulfilled by completion of SOC 492(3).
C. Minor Required (or second major)
D. Specific Bachelor of Arts Degree Requirements
E. General Baccalaureate Degree Requirements

Sociology (Non-Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements
    1. SOC 150(3), 301(3), 302(3), 325(3), 398(3), 492(3)
    2. Complete one course designated as having a cultural competence component: SOC 336(3), 337(3), 375(3) or 420(3)
    3. Complete one course designated as having a community engagement component: SOC 152(3), 300(1), 320(3) or 341(3)
    4. Complete additional Sociology hours bringing total hours in major to 36.
    5. Public Affairs Capstone Experience will be fulfilled by completion of SOC 492(3).
C. Minor Required (or second major)
D. General Baccalaureate Degree Requirements

Minor(s)

Sociology

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

Bachelor of Social Work

A. SOC 150(3), 325(3)
B. Complete 12 additional hours in Sociology.

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https://www.missouristate.edu/registrar/catalog/prog-sociology.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Diversity in the United States Certificate

Diversity in the United States

This certificate is designed to provide students with course work and experiences to enhance the student's cultural competence and increase understanding issues of diversity and inclusion. This will also assist in providing the background students will need to live and work in a diverse workforce and society. In keeping with the university's public affairs mission the certificate seeks to equip students for greater cultural consciousness in the workplace and in the community. It is especially designed for students who will work in diverse environments associated with human resources, corporations or non-profits, and sales and marketing with a focus on issues of domestic diversity as experienced in the United States as evidenced in the title. Students completing this program will have a better understanding of the nature of social diversity and issues that people from diverse backgrounds experience.

Admission requirements

Completion of at least 30 hours and a GPA of 2.50 or higher.

Program Requirements (12 hours)

1. Complete four courses from the following: AAS 100(3), ANT 525(3), DAS 100(3), COM 512(3), CRM 410(3), CRM 415(3), GST 170(3), HST 324(3), HST 331(3), HST 332(3), REL 346(3), REL 370(3), SOC 336(3), SOC 337(3)
2. All candidates must satisfy the General University Certificate Requirements.

Completion requirements

Attain a C or better in all courses used to fulfill the certificate requirements. No more than two courses can be taken with the same course code.

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Missouri State

Office of the Registrar
Undergraduate Catalog

McQueary College of Health and Human Services

Programs

Indicates accelerated graduate program is available

Undergraduate

Athletic Training, Bachelor of (BSAT)

Biomedical Sciences (Minor)

Cell and Molecular Biology (BS)

Clinical Laboratory Sciences-Medical Technology (BS)

Coaching (Minor)

Communication Sciences and Disorders (BS)

Criminal Investigation (Certificate) Interdisciplinary program offered by Department of Criminology and Criminal Justice and Department of Psychology

Dietetics (BS)

Exercise Biology (Minor)

Exercise and Movement Science (BS)

Forensic Child Psychology (Certificate)

Foundations of Pharmaceutical Science (Certificate) Interdisciplinary program offered by Department of Chemistry, Department of Biology, and Department of Biomedical Science

Gerontology (BS, Minor)

Health Care Management (Minor)

Health Services (BS)

Molecular Biology (Minor)

Nursing, Bachelor of Science in (generic 4-year program) (BSN)

Nursing, Bachelor of Science in (completion program for registered nurses) (BSN)

Nutrition (Minor)

Psychology (BA, BS, Minor)

Physical Education (BSEd)

Radiography (BS)

Recreation, Sport, and Park Administration (BS, Minor)

Respiratory Therapy (BS)

Sign Language Studies (Minor)

Social Work, Bachelor of (BSW)

Sports Medicine (Minor)

Graduate

Applied Behavior Analysis (MS)

Athletic Training (MATC, MS)

Audiology, Doctor of (AuD)

Biomolecular Sciences (Certificate)

Cell and Molecular Biology (MS)

Communication Sciences and Disorders/Education of the Deaf and Hard of Hearing (MS)

Communication Sciences and Disorders/Speech-Language Pathology (MS)

DNP-Family Nurse Practitioner: BSN to DNP

Dietetic Internship (Certificate)

Education of the Deaf and Hard of Hearing (Certificate)

Forensic Child Psychology (Certificate)

Health Programming (Certificate)

Health Promotion and Wellness Management (MS)

Nurse Anesthesia Practice, Doctor of (DNAP)

Nurse Educator (Certificate)

Nursing, Master of Science in (MSN)

Nursing Practice, Doctor of (DNP)

Nutrition and Dietetics (MS)

Occupational Therapy, Master of (MOT)

Physical Therapy, Doctor of (DPT)

Physician Assistant Studies (MS)

Population Health, Post Master's (Certificate)

Psychology (MS)

Public Health, Master of (MPH)

Public Health Administration (Certificate)

Public Health Core (Certificate)

Public Health and Homeland Security (Certificate)

Registered Nurse First Assist (Certificate)

Secondary Education with option in Physical Education (MSEd)

Social Work, Master of (MSW)

Sports Management (Certificate)

Statistics and Research Design (Certificate)

Courses are offered toward the option in Sports Management within the Professional Studies program (MPS)

Background security check and drug screening requirements

Some academic programs in the health related areas will require students to pass a background security check and a drug screening. These programmatic screening policies are a result of health organizations' requirements for placement at their clinical sites. Students will be financially responsible for the background security check and drug screening. Please see each academic program requirements, applications materials and admission standards for specific detailed information. Students who do not pass the appropriate screenings may not be able to complete the program or practice professionally.

Center for Research and Service

*R*Stats Institute

The *R*Stats Institute provides assistance for MSU faculty and students with research design and statistical analysis.

Clinics

Learning Diagnostic Clinic

The Learning Diagnostic Clinic provides services and support to students with Learning

Contact

Dean

Mark Smith, PhD

Associate deans

Roberto Canales, DHSc

Letitia J. White Minnis, PhD

D. Wayne Mitchell, PhD

Office

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417-836-6905

Email

Disabilities or those otherwise qualified so they are able to access and participate in the extraordinary array of academics available.

MSU Care Clinic

The MSU Care clinic provides both preventative and chronic care management for uninsured adults with limited or no income through a team-based inter-professional clinical practice.

Physical Therapy Clinic

The Physical Therapy Clinic provides specialty care and rehabilitation services for spine and joint injuries as well as other neuromusculoskeletal complaints.

Speech, Language and Hearing Clinic

The Speech, Language and Hearing Clinic provides evaluation and treatment for all ages in areas of speech-language pathology, audiology and early intervention for children who are deaf or hard of hearing. Augmentative and alternative communication (AAS) evaluations and AAC intervention are two of the many services provided by the clinic.

Collegeof HealthandHumanServices

@MissouriState.edu

Website

missouristate.edu/mchhs

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Missouri State

Health and Human Services Courses

Interprofessional Education (IPE) courses

IPE 375 Introduction to Interprofessional Health Care

Prerequisite: 30 hours.

This course provides an introduction to interprofessional health care education and collaborative practice for students in health professions programs. Topics include the history of interprofessional health care education in the U.S. and internationally, philosophical and theoretical foundations, and competencies required for effective collaboration to improve health care outcomes. Students explore the roles of various health professions in collaborative patient/client, family, and community health care. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

IPE 376 Cultural Competence in Health Care

Prerequisite: Health Services major or permission.

This course explores issues and challenges that can be encountered in the health care setting working with cultural and ethnically diverse patient populations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

IPE 377 Global Issues in Health Services

Prerequisite: Health Services major or permission.

This course introduces students to the principal health systems of the world's populations, and major challenges to improving health globally. Students will explore interdisciplinary factors accounting for health patterns that impact global health, health care delivery systems worldwide, and the governmental, economic, social and political forces that influence them.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

IPE 378 Healthcare Quality Management

This course provides a survey of the basic principles and techniques of quality management in healthcare including high-reliability concepts that help organizations achieve safety, quality, and efficiency goals. The course will examine a range of topics from measuring performance to creating high-quality services that represent excellence in a healthcare organization.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

IPE 379 Interprofessional Perspectives on Population Health

Prerequisite: 30 hours.

This course examines the impact of health care access, quality of health services, individual behaviors, social environments, physical environments, biological factors, and policies and programs on population health outcomes. Emphasis will be placed on the role the interprofessional health care team in improving the health of the public.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

IPE 381 Statistics for the Health Professions

Prerequisite: 30 hours and the General Education Quantitative Literacy requirement; and Health Services major or permission.

This course provides an introduction to statistical data analysis and interpretation, with an emphasis on techniques used in the health professions. Descriptive statistics including measures of central tendency and variability, probability, estimation, and graphing will be discussed. Students will use computer-based statistical software for hypothesis testing, including independent and repeated measures t tests, analysis of variance, correlation, regression, and non-parametric testing. Emphasis is given to interpretation using effect size, confidence intervals, power analysis, and presentation of findings using APA style. Cannot receive credit toward a degree for more than one of the following courses: AGR 330, IPE 381, MTH 340, PSY 200, QBA 237, REC 328, or SOC 302.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

IPE 382 Introduction to Health Insurance and Managed Care

Prerequisite: 30 hours; and Health Services major or permission.

This course focuses on the development of health insurance and managed care practices in the United States. Topics include the impact of managed care on health care delivery systems and reimbursement; public and private sector health insurance and benefit plans; key regulations and laws governing health care and health insurance; and current topics in health care reform. Emphasis will be placed on the impact of managed care practices on the interprofessional health care team.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

IPE 470 Foundations of Patient Safety for Health Professionals

Prerequisite: IPE 375 or concurrent enrollment.

This course provides a foundation for patient safety and health care quality improvement for students in the health professions with an emphasis on the roles of both individuals and systems. Topics include: the scope of the problem, terminology and basic concepts of safety systems, patient safety interventions, measuring and reporting safety, incident investigations, institutional responses to adverse events, communication and teamwork, and models to improve patient safety.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

IPE 475 Evidence-Based Health Care Practice

Prerequisite: IPE 375.

This course will enable students to develop the analytical and critical thinking skills necessary to assess the scientific literature, clinical guidelines, and other information resources needed to integrate evidence into practice to improve health care outcomes. Working in interprofessional teams, students will formulate interprofessional health care questions, identify articles and other evidence-based resources, critically appraise the evidence to assess validity, and communicate the evidence to others.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

IPE 575 Collaborative Health Care Leadership

Prerequisite: 60 hours; and admitted to the Health Services degree program.

This course explores theories, models and responsibilities of leadership within an interprofessional health care context. Students apply leadership practices that support collaborative practice and synthesize prior learning to plan, implement, and evaluate a health project designed to improve patient/client health outcomes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

IPE 576 Professional Issues in Health Services

Prerequisite: 60 hours; and admitted to the Health Services degree program.

This course is designed to prepare future health care professionals to identify, critically examine, and address issues that occur in the interprofessional health care environment. Students will utilize professional ethics and evidence-based decision-making to analyze various case studies and propose possible solutions to issues identified.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

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Missouri State

School of Anesthesia

Programs

Graduate

Nurse Anesthesia Practice (DNAP)

Registered Nurse First Assist (Certificate)

Accreditation

- Council on Accreditation of Nurse Anesthesia Educational Programs – Doctor of Nurse Anesthesia Practice

Contact

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Missouri State

Anesthesia Faculty

Assistant professors

Cynthia Aurentz, MSN

Tracy L. Beckham, MSA

Monika Feeney, DNAP

Jill K. Layman, MS

Jeanie Skibiski, DNAP

Clinical assistant professor

Rickey D. Albaugh, BS

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Missouri State

Anesthesia Courses

Nurse Anesthesia (ANE) courses

ANE 620 RNFA Introductory Principles

Prerequisite: acceptance into the Registered Nurse First Assist Program.

Beginning RNFA course will cover RNFA's collaborating with other health care providers during the peri-operative period focusing on safe effective patient care. Multiple techniques will be covered, instruments, medical devices, providing surgical site exposure, handling and or cutting tissue, providing homeostasis, wound care management, and suturing. Post operative patient management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring, Summer

ANE 621 RNFA Perioperative Management I

Prerequisite: acceptance into the Registered Nurse First Assist Program.

This course includes a distance didactic component emphasizing the expanded functions unique to the RNFA. Classes will have both synchronous and asynchronous components. Management I will cover surgical patient pre-op assessments, anatomy and physiology review and health care provider communication along with surgical instrument recognition.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring, Summer

ANE 622 RNFA Clinical Practicum

Prerequisite: acceptance into the Registered Nurse First Assist Program.

Course will cover the clinical component of the RNFA curricula. Board Certified Surgeon will supervise in the area of the RNFA's primary area of practice. Students are required to obtain collaboration with a surgeon of their choice to supervise in their area of practice. Final practicum review will occur during the onsite time.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Fall, Spring, Summer

ANE 623 RNFA Perioperative Management II

Prerequisite: acceptance into the Registered Nurse First Assist Program.

This course includes distance didactic components emphasizing the expanded functions unique to the RNFA. Classes will have both synchronous and asynchronous components. Management II will include demonstration of expanded skills and cover surgical site exposure, handling tissue, providing homeostasis along with suturing and wound management. Patient discharge planning and community collaboration is included.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring, Summer

ANE 624 RNFA Cumulative Review

Prerequisite: acceptance into the Registered Nurse First Assist Program.

Course will cover RNFA's collaborating with other health care providers during the peri-operative period focusing on safe effective patient care, and preparation for the RNFA certification exam.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring, Summer

ANE 700 Informatics and Graduate Studies for Anesthesia

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Study of the researcher role, research process, research skills, scientific writing, professional development, and research ethics. Study the use of technology in graduate studies. Dissect the meaning of a capstone project and its purpose.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

ANE 702 Clinical Conference I

Review of significant cases involving complex anesthesia considerations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

ANE 705 Clinical Conference II

Prerequisite: ANE 702.

A review of significant cases involving complex anesthesia considerations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

ANE 708 Clinical Conference III

Prerequisite: ANE 705.

Continuing review of significant cases involving complex anesthesia considerations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

ANE 711 Clinical Conference IV

Prerequisite: ANE 708.

Continuing review of significant cases involving complex anesthesia considerations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

ANE 712 Special Topics in Anesthesia

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program and permission of the Program Director.

Selected topics of an advanced nature relating specifically to anesthesia and accreditation requirements which will vary from semester to semester. Variable content course. May be repeated to a maximum of six hours provided topics are different. Can be seated or distance as accreditation needs dictate.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-6			Fall, Spring, Summer

ANE 714 Orientation to Clinical Anesthesia

Prerequisite: permission from program director.

Introduction to anesthesia equipment, monitoring equipment, positioning, intravenous considerations, records, departmental management, ethics, departmental organization and function, legal and professional aspects.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

ANE 717 Physics and Chemistry of Anesthesia

A presentation of the principles and laws of physics and chemistry applicable to the field of anesthesia.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

ANE 720 General Principles of Anesthesia

A presentation of the principles of laws of physics and chemistry applicable to the field of anesthesia long with an in-depth analysis of structure and function of the cardiac, respiratory, circulatory, endocrine, hepatic, renal, neurologic, autonomic, and central nervous systems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ANE 721 Equipment, Instrumentation, and Technology for Anesthesia

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice (BS-DNAP) program.

A thorough review of anesthesia delivery systems, airway equipment, and the multiple monitoring devices that may be utilized during anesthesia. A review of principles and laws of physics, biochemistry, and chemistry as applicable to the field of anesthesia. An in-depth review of equipment, instrumentation, and technology needed for anesthesia management. Various types of radiological imaging and radiation safety will be presented.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ANE 723 Application of Anatomy and Physiology to Anesthesia II

An in-depth analysis of the special relationships between anesthesiology and the endocrine, hepatatic, renal, neurologic, autonomic, and central nervous systems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

ANE 726 Introduction to Clinical Anesthesia

Preoperative evaluation of patients, airway management, inhalation techniques, common complications of induction and emergence.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

ANE 732 Anesthesia for Surgical Procedures and Special Populations I

Prerequisite: ANE 720.

An in-depth review of subjects essential to the practice of anesthesia. Subjects correlating anatomy, physiology, pathophysiology, and pharmacology related to specific anesthetic patient needs for surgical or diagnostic procedures. Anesthetic needs for surgical procedures explored will include intra-abdominal, extra thoracic, neuro- skeletal, orthopedic, perineal and surgical diagnostic procedures. Exploration of special anesthetic considerations for specific populations will be included involving the following populations: pediatric, obstetric, geriatric, and obese patients.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	5	0	Fall

ANE 734 Advanced Physical Assessment and Clinical Reasoning

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Advanced critical thinking, communication and diagnostic skills needed to obtain comprehensive and focused history and physical exams, analyze assessment data, generate differential diagnoses, evaluate and utilize screening and diagnostic modalities appropriately. An evidence-based practice framework will be utilized. Identical with NUR 734. Cannot receive credit for both ANE 734 and NUR 734.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	3	6	Fall

ANE 735 Clinical Practicum

Prerequisite: admission to Doctor of Nurse Anesthesia Practice program.

Clinical experience in the anesthesiology department at multiple clinical sites. Specialty content may be included as part of the practicum experience. May be repeated to a maximum of 44 hours. Hours are based on clinical practicum days in the clinical area. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-10			Fall, Spring, Summer

ANE 742 Clinical Physiology

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Clinical interpretation of organ systems with a consideration of disease etiology and diagnosis. Current research topics will be introduced and discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	0	Spring

ANE 744 Pharmacology in Anesthesia

Prerequisite: ANE 720.

A review of the effects of drugs required by patients with preexisting medical conditions and their continuation in the perioperative period.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

ANE 745 Anesthesia Pharmacology I

Prerequisite: BMS 620.

A study of the principles of clinical pharmacology and the pharmacokinetics and pharmacodynamics of commonly used anesthetic agents during the perioperative period. A review of the effects of drugs required by patients during the perioperative period with and without preexisting medical conditions and their continuation in the perioperative period. Detailed study of inhalational agents and stages of anesthesia, opioids, opioid agonists/antagonists, barbiturates and non-barbiturates, and drug interactions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	0	Fall

ANE 746 Anesthesia Pharmacology II

Prerequisite: ANE 745.

A study of the principles of clinical pharmacology and the pharmacokinetics and pharmacodynamics of commonly used anesthetic agents during the perioperative period. A review of the effects of drugs required by patients during the perioperative period with and without preexisting medical conditions and their continuation in the perioperative period. Detailed study of neuromuscular blocking drugs, and local anesthetics. Course includes an introduction to autonomic pharmacology and cardiovascular pharmacology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ANE 750 Anesthesia for Surgical Procedures and Special Populations II

Prerequisite: ANE 720.

An in-depth review of the subjects essential to the practice of anesthesia. Subjects correlating anatomy, physiology, pathophysiology, and pharmacology related to specific patient needs for surgical or diagnostic procedures. Surgical procedures covered will include extracranial and intracranial, intrathoracic, neck, vascular, diagnostic and therapeutic procedures. Patient populations will include trauma, burns, resuscitations, organ transplants, organ procurement and laser procedures.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	5	0	Spring

ANE 754 Healthcare Ethics for Anesthesia Providers

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

This course is designed to apply the principles of biomedical and health care ethics toward a more informed understanding of realistic cases of ethical decision making in the healthcare environment, for anesthesia providers. The course looks towards a systematic approach to ethical problems that arise in the clinical and administrative settings, as well as the ethical responsibilities of all participants in each of these areas.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ANE 800 Leadership for Evidence-Based Practice

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Advanced critical thinking, communication and diagnostic skills needed to obtain comprehensive and focused history and physical exams, analyze assessment data, generate differential diagnosis, evaluate and utilize screening and diagnostic modalities appropriately. An evidence-based practice framework will be utilized. Cannot receive credit for both ANE 800 and NUR 800.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

ANE 803 Human Factors and Patient Safety for Healthcare

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Examines healthcare from a safety perspective and how to facilitate change for caregivers at the "sharp end of the stick" according to the Reason theory of errors. Discussion of an environment and philosophy of safety. Explores basis of human error, patient safety and quality assurance by introducing a system approach, including crisis management, simulation and teamwork in healthcare. Course taught online only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ANE 804 Business of Anesthesia

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Comprehensive study of the business of anesthesia, and all models of practice and billing. Legal and healthcare implications explored. Analysis of the structure, function and outcomes of healthcare delivery systems and organizations. Designed for practicing CRNA's and DNAP students. Course design is both seated and distance.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ANE 806 Professional Practice in Anesthesia

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Emphasizes learning through advanced clinical experiences in anesthesia practice. Explores concepts of nurse anesthesia practice, competence and expertise, and incorporation of critical thinking skills and reflection as an evaluation method. The focus is on methods of determining best practice through identification of problems, review, and systematic evaluation of current research, interdisciplinary collaboration and consideration of economic and other factors that impact patient outcomes. A professional portfolio will be expected at the conclusion of the program. Course taught online only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ANE 807 Anesthesia and Healthcare Policy

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Examines government and non-government issues that influence nurse anesthesia practice. Focuses on development of skills that contribute to leadership and personal effectiveness in implementing change in nurse anesthesia and healthcare. Emphasizes interdisciplinary relationships between the CRNA, nurse, physician, and administration, policy makers and other key stakeholders that format healthcare policy; equips the student with up-to-date information on various global health topics and perspectives; a basic perspective of health policy issues in different geographical regions, and explains how global health policy is affected by significant world events, including coverage of new infectious diseases with human rights, stigma of diseases and disclosure. Comparison of health and healthcare universally. Course taught online only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

ANE 810 Health and Wellness in the Healthcare Setting

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Health and wellness in the healthcare setting for the healthcare provider in modern day medical settings. Health coping strategies investigated. Pitfalls of stressors in healthcare with evidence-based solutions. Addiction and recovery for healthcare professionals reviewed with AANA wellness modules, and peer assistance as well as University assistance for students reviewed. Health lifestyles including dietary, mental, physical, spiritual wellness for healthcare providers discussed. Course taught online only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

ANE 897 Research for Scholarly Project

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

The Capstone Project is the culminating experience of the DNAP program, and presents an opportunity for students to investigate a problem relevant to the practice of anesthesia. Because nurse anesthesia practice includes administrative and educational roles as well as clinical practice, the project is open to a wide variety of ideas and interests. Students are encouraged to be creative in identifying problems and

suggesting corrective actions;, solutions must be based on sound evidence. ANE 897 and ANE 898 are consecutive courses to allow the

student time to complete the Capstone Project during their anesthesia study periods. The initial class provides direction and approval for the class, while the latter class provides presentation and evaluation of the determined project. Course taught online only. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

ANE 898 Capstone Project Presentation

Prerequisite: ANE 897 and admission to the Doctor of Nurse Anesthesia Practice program.

The Capstone Project is the culminating experience of the DNAP program, and presents an opportunity for students to investigate a problem relevant to the practice of anesthesia. Because nurse anesthesia practice includes administrative and educational roles as well as clinical practice, the project is open to a wide variety of ideas and interests. Students are encouraged to be creative in identifying problems and suggesting corrective actions; solutions must be based on sound evidence. ANE 897 and ANE 898 are consecutive courses to allow the student time to complete the Capstone Project during their anesthesia study periods. The initial class provides direction and approval for the class, while the latter class provides presentation and evaluation of the determined project. Course taught online only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

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Missouri State

Department of Biomedical Sciences

Programs

Indicates accelerated graduate program is available

Undergraduate

Biomedical Sciences (Minor)

Cell and Molecular Biology (BS)

Clinical Laboratory Sciences-Medical Technology (BS)

Dietetics (BS)

Exercise Biology (Minor)

Foundations of Pharmaceutical Science (Certificate)
Interdisciplinary program offered by Department of Chemistry, Department of Biology, and Department of Biomedical Science

Molecular Biology (Minor)

Nutrition (Minor)

Graduate

Biomolecular Sciences (Certificate)

Cell and Molecular Biology (MS)

Dietetic Internship (Certificate)

Nutrition and Dietetics (MS)

Accreditations

- Academy of Nutrition and Dietetics-Accreditation Council for Education in Nutrition and Dietetics – Dietetics (BS); Dietetic Internship Graduate Certificate

General information

Dietetic Internship (DTN) courses

Open only to those students who have been admitted to the Dietetic Internship Graduate-Level Certificate Program.

Medical Technology (MTC) courses

Not open to regular Missouri State students. Courses are offered at a School of Clinical Laboratory Sciences-Medical Technology only for those students who have been admitted to such a school.

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Missouri State

Office of the Registrar
Undergraduate Catalog

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Missouri State

Office of the Registrar
Undergraduate Catalog

Biomedical Sciences Courses

Biomedical Sciences (BMS) courses

BMS 100 Concepts and Issues in the Life Sciences

General Education Course (Focus on Life Sciences).

A lecture course designed to help non-science majors understand the biological basis of human life by introducing the major concepts and principles of human biology. Topics include cell biology, the chemical basis of life, genetics, and basic anatomy and physiology. Current ethical issues and human disease are emphasized through discussion. Designed for students interested in human biology, but who do not plan on further study of life sciences. Cannot receive credit for both BMS 100 and BMS 110.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring, Summer	LIFS 100 - Essentials in Human Biology.

Access the CORE 42 portal

BMS 101 Concepts and Laboratory in the Life Sciences

Prerequisite: BMS 100 or concurrent enrollment.

General Education course (Focus on Life Sciences).

A laboratory course designed to help non-science majors understand the biological basis of human life by introducing the major concepts of human biology. This laboratory course will emphasize scientific observation and investigation in topics including cell biology, the chemical basis of life, genetics, and basic anatomy and physiology. This course is designed for students interested in human biology, but who do not plan further study or laboratory work in the life sciences. Cannot receive credit for both BMS 101 and BMS 111.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
1	0	2	Fall, Spring	LIFS 100L - Essentials in Human Biology with Lab.

Access the CORE 42 portal

BMS 110 Introduction to the Biomedical Sciences

Prerequisite: eligibility for both ENG 110 and MTH 135.

General Education Course (Focus on Life Sciences).

An introduction to concepts and techniques related to human anatomy, physiology, genetics, cellular and molecular biology. Recommended for students in preprofessional programs and Allied Health careers. Cannot receive credit for both BMS 100 and BMS 110. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring, Summer	LIFS 150 - Human Biology.



Access the CORE 42 portal

BMS 111 Introductory Laboratory in the Biomedical Sciences

Prerequisite: BMS 110 or concurrent enrollment; and eligibility for both ENG 110 and MTH 135.

General Education Course (Focus on Life Sciences).

This course is designed for students who require intensive introductory laboratory experience in human biology and biomedical sciences techniques to prepare for future laboratory work in the biomedical sciences. Cannot receive credit for both BMS 101 and BMS 111. Cannot be taken Pass/Not Pass. 10-2) F,S,Su

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
				LIFS 150L - Human Biology with Lab.



Access the CORE 42 portal

BMS 113 Introduction to Medical Laboratory Sciences

Designed to acquaint students with the field of medical technology through performance of simple procedures and explanation of test principles and diagnostic interpretation of results. Also designed to provide adequate exposure to the medical laboratory so that the student will be able to make a rational decision concerning a career in laboratory medicine.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	3	Spring

BMS 130 Essentials of Nutrition

Non-health science major course discussing basic concepts of human nutrition which includes carbohydrates, lipids, proteins, vitamins, minerals, absorption, digestion, and energy utilization as they relate to health and food consumption at different stages of the life cycle. Emphasis is placed on early childhood. Cannot receive credit for both BMS 130 and BMS 240.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	LIFS 100N - Essentials in Human Biology-Human Nutrition.



Access the CORE 42 portal

BMS 195 Introduction to the Health Professions

Prerequisite: freshman or sophomore standing only; Recommended **Prerequisite:** enroll in IDS 120 in the fall semester.

Designed to familiarize students with a variety of health career opportunities, and to provide guidance in early curriculum planning and alternative career options. Identical with HLH 195. Cannot receive credit for both BMS 195 and HLH 195.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

BMS 230 Human Genetics

Prerequisite: C grade or better in BMS 110 and 111 or BIO 121.

A survey of genetic principles in humans with emphasis on molecular genetics and human genetic abnormalities causing diseases and behavioral changes. A portion of the course requires students to research, report on, and discuss current topics in human genetics. Cannot receive credit for both BMS 230 and BMS 231.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BMS 231 Human Genetics with Laboratory

Prerequisite: C" grade or better in BMS 110 and 111 or BIO 121; and Cell and Molecular Biology or Clinical Laboratory Science-Medical Technology major or Biomedical Sciences minor.

A survey of genetic principles in humans with emphasis on molecular genetics and human genetic abnormalities causing diseases and behavioral changes. A portion of the course requires students to research, report on, and discuss current topics in human genetics. The laboratory emphasis is on techniques and skills that expand the understanding of genetic concepts. Cannot receive credit for both BMS 230 and BMS 231.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

BMS 232 Human Genetics Laboratory

Prerequisite: BMS 230.

This course is identical to the laboratory portion of BMS 231 and is designed for students who require laboratory experience in genetics to prepare for future laboratory work in the biomedical sciences. Cannot receive credit for both BMS 231 and 232.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BMS 240 Introduction to Nutrition

Prerequisite: C grade or better in CHM 116 or [CHM 116 and 117] or CHM 160 or [CHM 160 and 161] or concurrent enrollment.

Study of nutrients with emphasis on their sources and functions in human growth and health. Discussion of current nutrition issues. A grade of "C" or better is required in this course in order to take any nutrition courses numbered 300 and above or BMS 567. Cannot receive credit for both BMS 130 and BMS 240. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BMS 260 Biology of Aging

Prerequisite: BMS 100 and 101 or BMS 110 and 111 or BIO 121.

The physiology and biology of aging in humans. Designed for gerontology majors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

BMS 300 Service Learning in Biomedical Sciences

Prerequisite: 30 hours and concurrent enrollment in a Biomedical Sciences course designated as service learning offering.

This service component for an existing course incorporates community service with classroom instruction in one of the subdisciplines of Biomedical Sciences to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

BMS 305 Introduction to Nutrition and Dietetics

Prerequisite: BMS 240 or concurrent enrollment.

This course is open only to potential dietetics majors. Examination of the role of dietetics in the health care system, exploration of the responsibilities of nutrition and dietetics professionals, legal and ethical considerations, educational requirements and career opportunities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

BMS 306 Computer Applications in Nutrition and Dietetics

Prerequisite: BMS 240.

Dietetics majors will be introduced to and learn computer software applications related to food production, nutrition analysis, and computer skills required for the discipline including Nutritionist Pro, Food Processor, PowerPoint, Excel, and Publisher.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

BMS 307 Human Anatomy

Prerequisite: C grade or better in BMS 110 and 111 or BIO 121.

A regional-based lecture and laboratory study of selected human cells, tissues, organs and organ systems. Human cadaver and supplemental models of various regions studied in laboratory. Emphasis is on application of problem solving skills to clinical cases and activities. Cannot receive credit for both BMS 307 and BMS 267-West Plains Campus course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

BMS 308 Human Physiology

Prerequisite: C grade or better in BMS 307 or BIO 380; and C grade or better in CHM 116 or CHM 160.

A study of mechanisms for maintaining homeostasis in the human organism. Topics covered include cellular structure and function, neurophysiology, metabolism, endocrinology, cardiovascular, pulmonary, renal, and gastrointestinal physiology. Emphasis is on cellular and molecular mechanisms of physiology. A grade of C or better is required in this course in order to take BMS 567. Cannot receive credit will both BMS 308 and BMS 268-West Plains course. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

BMS 310 Nutrition and Physical Activity in Aging

Prerequisite: BMS 260 or BMS 308.

Study of the nutritional requirements and physical activity needs of the elderly with emphasis on cardiorespiratory, musculoskeletal, and metabolic health and disease. Designed for gerontology majors, gerontology minors, and others interested in aging.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 320 Biomolecules and Metabolism

Prerequisite: C or better in BMS 230 or BMS 231; Recommended **Prerequisite:** past or concurrent enrollment in CHM 201 and 202 or CHM 342 and 345.

An introduction to the types and consequences of small and large molecular interactions in the living cell with an emphasis on the integrated metabolic exchanges of information, energy, and materials among cellular compartments. Cannot receive credit for both BMS 320 and BMS 321.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BMS 321 Biomolecular Interactions

Prerequisite: C grade or better in BMS 231 or in BMS 230 and 232; Recommended **Prerequisite:** concurrent enrollment in CHM 342 and 345.

Concentration is on the major classes of biomolecules (proteins, nucleic acids, carbohydrates, and lipids) important in cell and molecular biology that signal, control, and regulate cellular function and the coordination of these interactions. Other topics include: biosynthesis and catabolism of biological macromolecules and related topics in biotechnology, biological nanotechnology and molecular medicine. Laboratory emphasizes hands-on experience with current techniques in biomolecular science. Cannot receive credit for both BMS 320 and BMS 321.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Fall, Spring

BMS 322 Laboratory Methods in the Biomedical Sciences

Prerequisite: BMS 320.

This laboratory course familiarizes students with the instrumentation, proper laboratory techniques, and analytical procedures that are used in the biomedical sciences. Cannot receive credit for both BMS 321 and BMS 322.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

BMS 330 Food Selection and Preparation for Health

Prerequisite: BMS 240 or concurrent enrollment.

Selection and preparation of food that supports optimum health. Food and nutrition information on grocery shopping, dining out, preparation of meals, snacks, and special occasion foods.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall, Spring

BMS 331 Food Science

Prerequisite: BMS 240 and BMS 330; and CHM 201.

Experimental approach to the study of physical and chemical factors influencing food quality during processing, preparation and storage.

Experimental approach to the study of physical and chemical factors influencing food quality during processing, preparation and storage.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Spring

BMS 332 Food and Culture

Prerequisite: BMS 240.

Exploration of ethnic, religious and regional influences on nutrition and health status, including the role of diet in traditional health beliefs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BMS 333 Nutrition Throughout the Life Span

Prerequisite: BMS 240.

Factors that influence nutrient requirements during pregnancy, lactation, infancy, childhood, adolescence and aging. Recommendations for food intake based upon assessment of case studies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BMS 334 Introduction to Nutrition Assessment and Sports Nutrition

Prerequisite: BMS 240.

This course is designed to help students and practitioners understand how nutrients affect health and athletic performance as well as the role of diet in performance and in disease prevention. Nutrition assessment of anthropometric, biochemical, clinical and dietary factors will be covered as to their application to sport and performance. Basic meal planning for athletes and a general introduction to sports supplements will also be taught. This is a course for non-dietetics majors and does not meet any requirements for the Dietetics major. This course may be used for the Nutrition minor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BMS 335 Nutritional Assessment

Prerequisite: BMS 240.

Methods used to assess the nutritional status of individuals and populations. Interpretation of anthropometric, biochemical, clinical and dietary data as a basis for recommending nutritional care.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

BMS 338 Food Safety Certification

Prerequisite: BIO 212 and BIO 213 (or credit for BIO 210 taken prior to Fall 2019).

Sanitation policies and procedures for dietitians, food service professionals, restaurant owners and foodservice employees. Includes chemical, biological, and physical food hazards, basics of food safety systems including HACCP, methods of safe food handling, equipment cleaning and sanitizing, and controlling pests. A passing score on the National ServSafe Food Safety Certification examination is required for a "C" or better in this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

BMS 340 Nutrition Education and Communications

Prerequisite: BMS 240; and BMS 330 or concurrent enrollment; and PSY 121.

Application of educational theories and techniques to nutrition education. Emphasis on subject matter and skills necessary to develop, implement, evaluate and document nutrition education sessions for individuals and groups utilizing a variety of communication methods. Development of nutrition educational materials.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall, Spring

BMS 345 World Hunger

Prerequisite: BMS 240 or AGR 100.

Global issues related to hunger and nutrition including sustainability, inequity, food production, malnutrition, biotechnology, ecological destruction, population growth, globalization, and aid. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BMS 380 Cooperative Education in Biomedical Sciences

Prerequisite: permission of instructor.

Provides the opportunity to earn academic credit by participation in supervised work experience. Variable content course. May be repeated to a maximum of six hours. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

BMS 390 The Exchange System

BMS 390 The Exchange System

Prerequisite: BMS 240.

This series of classes is designed to assist the dietetics student in understanding the use of the Exchange System and Carbohydrate Counting in the dietetics profession, as well as being able to apply MyPlate and nutrient content of foods to the creation of menus. These courses may be used as a one-hour course that will count towards the Nutrition minor. It is not required for the Dietetics major but may be quite beneficial. Variable content course. May be repeated to a maximum of two hours provided topics are different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

BMS 391 Home Food Preservation

This series of classes is designed to teach students the basics of food science as applied to home food preservation at varying times of the year utilizing what is in season. Students will utilize a variety of home canning equipment and a wide variety of fruits and vegetables in the production of different home food preservation projects. Variable content course. With different topics, may be repeated to a maximum of four hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

BMS 392 The Mediterranean Diet

Prerequisite: permission.

This is an Intersession international study away class that requires travel to a Mediterranean country to study the Mediterranean diet. The instructor and students will travel to an identified country and students will complete assignments based on the food and culture of the region and attend experiences related to food and health. Tour is provided by an outside vendor and fees are collected by the vendor and course fees by the Study Away Office. Variable content course. With travel to different countries/regions, may be repeated to a maximum of four hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

BMS 395 Nutrition Intervention in Eating Disorders

Prerequisite: BMS 240.

This course is designed to assist the dietetics student in understanding the current guidelines for the different types of eating disorders (EDO) and how the Registered Dietitian (RD) may assist in their treatment. This course may be helpful to the practicing RD if they do not have a background in psychology of eating disorders. Students in related disciplines will be able to understand eating disorders and the role the dietitian would play as a member of the team.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

BMS 396 Alcohol, Addiction, and Nutrition

Prerequisite: BMS 240.

This course is designed to assist the dietetics student in understanding the use and abuse of alcohol and other substances in the American diet and nutrition interventions that may be needed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

BMS 397 Topics in Heart Healthy Cooking

Selected topics on heart healthy cooking techniques. Variable content course. May be repeated to a maximum of six hours provided topics are different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

BMS 400 International Service Learning

Prerequisite: 30 hours and permission of instructor.

The integrated service learning component for this course incorporates international community service with classroom instruction focusing on health and health education in a developing country. This course provides an integrative learning experience addressing the practice of citizenship and promotes an awareness of and participation in international public affairs. Includes 15 service hours benefiting an international community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments in available from the instructor and the Citizenship and Service Learning Office. May be repeated to a maximum of six hours. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

BMS 405 Clinical Practicum: Preventive and Rehabilitative Exercise

Prerequisite: BMS 567 or KIN 369 and permission of department head.

Field experience in a comprehensive health enhancement organization under the supervision of a certified preventive and rehabilitative program director. Students are assigned to Hammons Heart Institute. May be repeated to a maximum of six hours. Enrollment is limited. Students planning to participate in the clinical practicum must contact the Biomedical Sciences Department Head during the first two weeks of registration. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

BMS 430 Sports Nutrition

Prerequisite: BMS 240 and BMS 308.

Nutrition as related to athletic performance and other areas of physical activity, including training and competition nutrition, fluids and hydration, weight management, supplements and ergogenic aids, the child athlete, and eating disorders.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

BMS 437 Quantity Foods in Healthcare and School Food Service

Prerequisite: BMS 240 and BMS 330; and BIO 210 or concurrent enrollment; and admission to the Dietetics program.

Application of preparation, production, and distribution of food to people in hospitals, schools, community programs, senior living facilities, etc. Other topics include menu planning, recipe developments, food procurements, receiving and storage, food production, quality assurance, equipment select and layout. Transportation is required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall, Spring

BMS 442 Physiology of the Cell

Prerequisite: C grade or better in BMS 307; and BMS 321 or BIO 320 or CHM 352 or CHM 554 or concurrent enrollment.

The molecular, chemical, membrane and cellular basis of metabolic homeostatic processes in cells, cytoplasmic compartments and primary organ systems. Cannot receive credit for both BMS 442 and BMS 308. May be taught concurrently with BMS 641. Cannot receive credit for both BMS 442 and BMS 641.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

BMS 445 Community Nutrition

Prerequisite: BMS 335 and BMS 536 and PLS 101; and must be taken last spring before expected graduation.

Factors affecting the nutritional status of the community; nutritional assessment and surveillance methodologies; governmental nutrition policies and legislation; community resources. The role of the community dietitian in nutrition program planning, implementation and evaluation. Transportation required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

BMS 450 Introduction to Biomedical Biomechanics

BMS 450 Introduction to Biomedical Biomechanics

Prerequisite: BMS 307.

Biomechanical fundamentals and principles as they apply to the human organism; description of normal motion emphasizing orthopedic biomechanics and neuromuscular control. May be taught concurrently with OTE 650. Cannot receive credit for both BMS 450 and OTE 650.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

BMS 455 Astrobiology

Prerequisite: introductory course in BMS or BIO; and introductory course in AST, PHY, CHM or GLG.

Scientific, technological, and philosophical foundations of astrobiology with emphasis on origins of life, life beyond Earth, and searches for extraterrestrial intelligence (SETI). Content stresses scientific evidence and knowledge, not science fiction.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

BMS 460 Biology of HIV/AIDS

Prerequisite: BMS 100 and 111 or BMS 110 and 111 or BIO 121 or BIO 101 and 111, and 60 hours.

Biological aspects of infection by HIV (human immunodeficiency virus) the disease syndrome known as AIDS (acquired human immunodeficiency syndrome) and social response to the disease.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

BMS 467 Anatomy and Mechanics of Human Motion

Prerequisite: BMS 307.

Biological analysis of normal articulation and body segment motions, emphasizing neuromuscular control. Biomechanical fundamentals and principles that relate to anatomy of human motion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

BMS 490 Peer Instruction in Biomedical Sciences

Prerequisite: acceptance into Cell and Molecular Biology, Clinical Laboratory Sciences-Medical Technology, or Dietetics program; and 60 hours; and permission of course director.

A mentored experience in teaching within the Biomedical Sciences. Students will serve as undergraduate learning assistants (ULAs) in a BMS course along with the instructor and teaching assistants. Students will be required to attend an intersession workshop and weekly

BMS course along with the instructor and teaching assistants. Students will be required to attend an intersession workshop and weekly sessions for reflection and discussion in addition to their weekly BMS course assignment. Intended for students interested in developing classroom leadership skills. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Fall, Spring

BMS 494 Senior Seminar in Cell and Molecular Biology

Prerequisite: Cell and Molecular Biology major and BMS 521; and 90 hours.

Discussion of emerging topics and issues in the fields of cell and molecular biology. Opportunity for students to gain skill in oral and written scientific communication, and explore and prepare for employment opportunities, graduate school, and professional programs. Completion of a subject assessment examination and seminar attendance is required. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

BMS 497 Topics in Biomedical Sciences I

Prerequisite: permission of instructor.

Selected topics which will vary from semester to semester. Variable content course. May be repeated to a maximum of six hours provided topics are different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

BMS 498 Undergraduate Research

Prerequisite: permission of instructor.

Individualized and directed research. May be repeated to a maximum of eight hours. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

BMS 499 Projects in the Biomedical Sciences

Prerequisite: permission of instructor.

Supervised experience in an area of the Biomedical Sciences. Course may be taken by students majoring or minoring in an area of the biomedical sciences.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

BMS 500 Special Topics in Biomedical Sciences II

Prerequisite: permission of department head.

Selected topics of an advanced nature which will vary from semester to semester. May be repeated to a maximum of eight hours provided topics are different. May be taught concurrently with BMS 602. Cannot receive credit for both BMS 500 and BMS 602.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

BMS 514 Scanning Electron Microscopy

Prerequisite: 60 hours.

An introduction to microsurface analysis using scanning electron microscopy and X-ray microanalysis. Theoretical considerations and laboratory procedures involve both techniques but the major emphasis will be on generation of secondary electron images. Some attention is devoted to backscattered electron imaging, X-ray mapping, stereo pair imaging, and related image processing techniques. May be taught concurrently with BMS 614. Cannot receive credit for both BMS 514 and BMS 614.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

BMS 516 Transmission Electron Microscopy

Prerequisite: 20 hours in BMS or BIO.

Demonstration of basic transmission electron microscopy techniques and microscope use. Emphasis is on ultrathin sectioning techniques; additional techniques include support film preparation, negative staining, immunogold localization procedures, and digital processing of photographic prints and negatives. May be taught concurrently with BMS 616. Cannot receive credit for both BMS 516 and BMS 616.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Spring

BMS 520 Medical Cell Biology

Prerequisite: C grade or better in BMS 320 or BMS 321.

Focus on the molecular aspects of cell biology for students in the Nurse Anesthesia program. Content identical to the lecture part of BMS 521. Cannot receive credit for both BMS 520 and 521. May be taught concurrently with BMS 620 . Cannot receive credit for both BMS 520 and BMS 620.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BMS 521 Molecular Cell Biology

Prerequisite: C grade or better in BMS 321; and [CHM 201 and 202] or CHM 342 and 345 (or credit for CHM 342 taken prior to Fall 2019).

Origins, structure and function of cells and basic life processes from a molecular perspective. Major topics focus on the energy, chemical, and information exchanges within and among cells and their environment. Cannot receive credit for both BMS 520 and 521. May be taught concurrently with BMS 622. Cannot receive credit for both BMS 521 and BMS 622.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Fall, Spring

BMS 524 Virology

Prerequisite: C grade or better in BIO 312 and BIO 313 (or C grade or better in BIO 310 taken prior to Fall 2019); or C grade or better in BMS 521.

The molecular biology and pathogenicity of animal viruses; basic techniques of tissue culture and virology will be performed in the laboratory. May be taught concurrently with BMS 624. Cannot receive credit for both BMS 524 and BMS 624.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

BMS 525 Molecular Biology

Prerequisite: C grade or better in BMS 521.

In-depth examination of nucleic acid structure, function, regulation, repair, and mutagenesis; principles of genetic engineering. Laboratory provides experience in the techniques used to isolate, separate, quantitate, characterize, and modify nucleic acids. The course also includes an introduction to the GenBank and EMBL nucleic acid and protein sequence databases. May be taught concurrently with BMS 625 . Cannot receive credit for both BMS 525 and BMS 625.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Fall, Spring

BMS 528 Molecular Mechanisms of Bacterial Pathogenesis

Prerequisite: BMS 521.

An in-depth study of the methods of genetic control and production of pathogenic factors employed by disease causing bacteria. The course will use both reference material and primary literature to illustrate the topics under discussion. May be taught concurrently with BMS 628. Cannot receive credit for both BMS 528 and BMS 628.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

BMS 529 Molecular Genetics

Prerequisite: C grade or better in BMS 525.

Laboratory skills course that provides guided experience designing and implementing modern molecular techniques to answer research questions. Allows an in-depth exploration of principles at the core of molecular biology such as: quantification of gene expression (e.g. qRT-PCR, Northern blot, western blot, flow cytometry), genetic engineering (e.g. cloning, site-directed mutagenesis, genome manipulation), analyzing genetic material (e.g. genotyping, genetic screening, sequencing), and isolating molecules of interest (e.g. immuno-purification, RNA isolation, PCR). May be taught concurrently with BMS 629. Cannot receive credit for both BMS 529 and BMS 629.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	3	Fall

BMS 530 Cell Biology of Cancer

Prerequisite: C grade or better in BMS 521; or C grades or better in BIO 312 and BIO 313 (or C grade or better in BIO 310 taken prior to Fall 2019); or C grade or better in BIO 320.

Discussion of the initiation, cellular and genetic events which lead to cancer as well as its prevention, treatment, and personal consequences. An extensive paper and presentation are required. May be taught concurrently with BMS 631. Cannot receive credit for both BMS 530 and BMS 631.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

BMS 532 Human Nutrition and Metabolism

Prerequisite: BMS 240 and BMS 308; and CHM 201 or concurrent enrollment.

Food nutrients, their digestion, absorption and metabolism. Methods of determining requirements and interrelationships of nutrients.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 535 Signal Transduction

Prerequisite: BMS 521.

This course will examine the molecular mechanisms of various ligand/receptor interactions. The dynamics involved in ligand/receptor binding will be studied and examples of receptor-mediated signal transduction will be introduced. Signaling pathways within the cell will be discussed. Primary literature and reference materials will be utilized to illustrate specific examples under discourse. May be taught

discussed. Primary literature and reference materials will be utilized to illustrate specific examples under discourse. May be taught concurrently with BMS 635. Cannot receive credit for both BMS 535 and BMS 635.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

BMS 536 Medical Nutrition Therapy I

Prerequisite: admission to Dietetics Program; and BMS 335 and BMS 532; and CHM 352 or concurrent enrollment.

Principles and application of medical nutrition therapy as related to disease and stress. Transportation required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall

BMS 538 Administrative Dietetics

Prerequisite: BMS 240 and BMS 330; and BIO 212 or concurrent enrollment and BIO 213 or concurrent enrollment (or credit for BIO 210 taken prior to Fall 2019); and admission to the Dietetics program.

This course will teach the application of managerial processes to the delivery of food to people in a variety of settings with an emphasis on hospital, long term care, and residential. Areas covered include quality management, risk management, strategic management, theories of management and leadership, communication, financial management, and computer-assisted management systems. Additional topics include human resource management in food service operations including hiring, training, supervision and evaluation. Transportation is required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

BMS 539 Senior Seminar in Dietetics

Prerequisite: admission to the Dietetics Program, and must be taken last fall before expected graduation.

Procedures and application process for obtaining professional status through dietetic registration and licensure. Professional ethics and legal responsibilities. Strategies for integration of current issues into dietetic practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall

BMS 540 Biotechnology

Prerequisite: C grade or better in BMS 321; or C grades or better in BIO 312 and BIO 313 (or C grade or better in BIO 310 taken prior to Fall 2019); or C grade or better in BIO 320 or CHM 352.

The applications of the methodologies of cell and molecular biology in the rapidly-evolving biotechnology and biopharmaceutical industries with an emphasis on the major sectors involving human therapeutics, human diagnostics, and genomics. Cell and molecular biology technologies adapted to mass production techniques to produce the products of biotechnology are surveyed. Typical pathways of product development from original basic research, product inception, clinical trials, regulatory approval, and commercialization are covered. Students

will examine the current programs of the research and development of selected biotechnology and big pharmaco corporations. May be taught concurrently with BMS 640. Cannot receive credit for both BMS 540 and BMS 640.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

BMS 542 Physiology of Organ Systems

Prerequisite: C grade or better in BMS 442.

Course will continue the investigation of human physiology by organ system including the cardiovascular and respiratory systems as well as mechanisms of body defense. May be taught concurrently with BMS 642. Cannot receive credit for both BMS 542 and BMS 642.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 546 Medical Nutrition Therapy II

Prerequisite: BMS 536.

Principles and application of medical nutrition therapy as related to complex disease states. Transportation required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Spring

BMS 550 Nutrition Counseling

Prerequisite: BMS 340; and BMS 536 or concurrent enrollment.

Interviewing techniques, counseling theory and methods applied to nutrition counseling. Emphasis on development of skills necessary to plan, implement, evaluate and document culturally sensitive nutritional care for individuals and groups. Includes simulated techniques and work with clients in selected settings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall, Spring

BMS 558 Recombinant DNA Techniques

Prerequisite: C grade or better in BMS 521.

A laboratory intensive course designed to extend the molecular biology principles and current techniques used in gene cloning, site-directed mutagenesis, transformation of eukaryotic cells, designing gene expression vectors, performing molecular hybridization techniques, confirming gene expression through reverse transcriptase PCR, and DNA sequencing. May be taught concurrently with BMS 658. Cannot receive credit for both BMS 558 and BMS 658.

receive credit for both BMS 555 and BMS 655.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall, Spring

BMS 561 Medical and Pathologic Physiology

Prerequisite: "C" grade or better in BMS 308 or BMS 542.

A study of physiological dysfunction in human disease with consideration of disease etiology, diagnosis, clinical interpretation, and treatment. Designed for students and professionals in the health sciences. May be taught concurrently with BMS 661. Cannot receive credit for both BMS 561 and BMS 661.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 562 Medical and Pathologic Physiology Laboratory

Prerequisite: permission of instructor.

Experience using laboratory techniques and case studies to enhance knowledge of pathophysiology. May be taught concurrently with BMS 660. Cannot receive credit for both BMS 562 and BMS 660.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

BMS 563 Advanced Work Physiology

Prerequisite: C grade or better in BMS 308; and C grade or better in BMS 567 or KIN 362.

Review of cellular metabolism, energy transfer, and oxygen transport during work; excitation-contraction coupling in skeletal muscle; physiological mechanisms of fatigue; neuroendocrine regulation of metabolism and other responses to work; environmental factors in work performance. Emphasis on molecular and cellular mechanisms and contemporary research. May be taught concurrently with BMS 663. Cannot receive credit for both BMS 563 and BMS 663.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 564 Molecular Endocrinology and Reproductive Physiology

Prerequisite: BMS 308; and either BMS 321 or CHM 352.

A detailed examination of the physiological, cellular and molecular aspects of human reproduction with particular emphasis on the endocrine aspects of reproduction. May be taught concurrently with BMS 564. Cannot receive credit for both BMS 564 and BMS 664.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Upon demand

BMS 565 Human Cardiopulmonary Physiology

Prerequisite: C grade or better in BMS 308 or BMS 542; and either BMS 321 or CHM 352.

A cellular and molecular study of human cardiovascular and respiratory physiology and related human diseases. Emphasis will be on the molecular mechanisms for normal and abnormal functions of the blood, the blood vessels, the heart, the respiratory tract, and the lung. Current research topics and results will be introduced and discussed. May be taught concurrently with BMS 665. Cannot receive credit for both BMS 565 and BMS 665.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

BMS 567 Physiology of Exercise Metabolism

Prerequisite: C grade or better in BMS 240 and C grade or better in BMS 308.

Introduction to the study of human metabolic and work physiology. Digestion, absorption, and metabolism of biologically important nutrients as they affect cellular energy transfer; mechanisms of energy transfer in cells during various forms of work; oxygen transport and utilization at the cellular and system level; factors modifying the efficiency of human work performance. Cannot be taken Pass/Not Pass. May be taught concurrently with BMS 667. Cannot receive credit for both BMS 567 and BMS 667.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

BMS 568 Physiology of the Human Gastrointestinal and Urinary Systems

Prerequisite: BMS 308; and either BMS 321 or CHM 352.

Structure and function of the gastrointestinal and urinary systems including pathophysiology of common clinical conditions. May be taught concurrently with BMS 668. Cannot receive credit for both BMS 568 and BMS 668.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BMS 569 Neurobiology

Prerequisite: C grade or better in BMS 308 or BMS 542.

Study of the mammalian nervous system including anatomy and principles of function. May be taught concurrently with BMS 669. Cannot receive credit for both BMS 569 and BMS 669.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 570 Principles of Pharmacology

Prerequisite: C grade or better in BMS 308 or BMS 542.

Recommended Prerequisite: BMS 521. Overview of the aspects of pharmacology including: pharmacodynamics, pharmacokinetics, pharmacogenomics, drug selectivity, toxicity, metabolism, drug development, and drug regulation. Additionally, an overview of the major classification of drugs and their mechanisms of action will be presented. May be taught concurrently with BMS 670. Cannot receive credit for both BMS 570 and BMS 670.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 573 Endocrine Physiology

Prerequisite: C or better in either BMS 308 or BMS 442 and either BMS 321 or CHM 352.

A detailed examination of the physiological, cellular and molecular aspects of the human endocrine system. May be taught concurrently with BMS 673. Cannot receive credit for both BMS 573 and BMS 673.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

BMS 582 Embryology

Prerequisite: C grade or better in BMS 307 or BIO 380.

A study of prenatal human development with emphasis on the cellular and subcellular mechanisms correlating normal development with common congenital malformations. Topics include cell division, gametogenesis, fertilization, and development of the embryo from zygote to the differentiation of the neural tube. The development of specific human organ systems including, skeletomuscular, cardiovascular, respiratory, pharyngeal, craniofacial, digestive, urinary, genital, and endocrine systems will be covered throughout prenatal development. Prepares students in pre-professional medical, dental, and allied health curricula, as well as any student requiring a background in embryology. May be taught concurrently with BMS 682. Cannot receive credit for both BMS 582 and BMS 682.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 584 Molecular Mechanisms in Animal Development

Prerequisite: BMS 521 or BIO 320.

A comparison of the relationship between the structure of the nucleic acid found in eukaryotic and prokaryotic cells that accounts for

An overview of the relationship between the anatomy of developing embryos and fundamental molecular mechanisms that generate this morphology, with an emphasis on vertebrates. Some invertebrate systems will be presented. Selected topics will include cell signaling during fertilization, gene activity in early development, cytoskeleton dynamics during morphogenesis, cell-cell adhesion, master pattern genes, and regulated cell death. May be taught concurrently with BMS 686. Cannot receive credit for both BMS 584 and BMS 686.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 585 Histology

Prerequisite: BMS 308 or BMS 542 or BIO 361 and BIO 380; Recommended **Prerequisite:** BMS 521.

Microscopic structure of cells, tissues, and organ systems, with special emphasis on human tissues. Extensive laboratory experience with interpretation of structures in stained tissues mounted on microslides. Recommended for students in medical, dental, optometric, and other preprofessional curricula, or as an elective for students enrolled in medical laboratory sciences, cell and molecular biology, and zoology. May be taught concurrently with BMS 688. Cannot receive credit for both BMS 585 and BMS 688.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall

BMS 593 Bioinformatics and Biomedical Resources

Prerequisite: C or better in BMS 321.

Use of biomedical source materials and methods of data access, selection, organization, and evaluation. May be taught concurrently with BMS 693. Cannot receive credit for both BMS 593 and BMS 693.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

BMS 595 Introduction to Research in Dietetics

Prerequisite: completion of 90 hours of coursework, including BMS 335, BMS 532, and statistics; QBA 237 or SOC 302 or PSY 200 or MTH 340 or MTH 545.

Fundamentals of research in nutrition including research design, methodology, data collection and analysis, and presentation. Grant writing and funding process for research. Class discussions to include critiques of published research. Class projects to include research proposal/project and presentation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

BMS 599 Health Literacy in the Human Services

Prerequisite: junior standing and permission of instructor.

This online course offers an interdisciplinary approach to understanding functional health literacy and how the public's literacy skills affect

This online course offers an interdisciplinary approach to understanding functional health literacy and how the public's literacy skills affect interactions with health and human services professionals. Includes an examination of the data for national and international literacy levels

and populations at risk for low literacy; research on health literacy; assessment tools; and practical techniques for addressing literacy issues in spoken and written communications at the practitioner and organizational levels. Identical with SWK 599. Cannot receive credit for both BMS 599 and SWK 599.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 602 Special Topics in Biomedical Sciences II

Prerequisite: permission of department head.

Selected topics of an advanced nature which will vary from semester to semester. May be repeated to a maximum of eight hours provided topics are different. May be taught concurrently with BMS 500. Cannot receive credit for both BMS 500 and BMS 602.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

BMS 614 Scanning Electron Microscopy

An introduction to microsurface analysis using scanning electron microscopy and X-ray microanalysis. Theoretical considerations and laboratory procedures involve both techniques but the major emphasis will be on generation of secondary electron images. Some attention is devoted to backscattered electron imaging, X-ray mapping, stereo pair imaging, and related image processing techniques. May be taught concurrently with BMS 514. Cannot receive credit for both BMS 514 and BMS 614.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

BMS 616 Transmission Electron Microscopy

Demonstration of basic transmission electron microscopy techniques and Microscope use. Emphasis is on ultrathin sectioning techniques; additional techniques include support film preparation, negative staining, immunogold localization procedures, and digital processing of photographic prints and negatives. May be taught concurrently with BMS 516 . Cannot receive credit for both BMS 516 and BMS 616.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Spring

BMS 620 Medical Cell Biology

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Focus on the molecular aspects of cell biology for students in the Nurse Anesthesia program. Content identical to the lecture part of BMS 622. Cannot receive credit for both BMS 620 and 622. May be taught concurrently with BMS 520. Cannot receive credit for BMS 520 and BMS 620.

BMS 620.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BMS 622 Molecular Cell Biology

Prerequisite: permission of instructor.

Origins, structure and function of cells and basic life processes from a molecular perspective. Major topics focus on the energy, chemical, and information exchanges within and among cells and their environment. Cannot receive credit for both BMS 620 and 622. May be taught concurrently with BMS 521. Cannot receive credit for BMS 521 and BMS 622.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Fall, Spring

BMS 624 Virology

Prerequisite: BMS 622.

The molecular biology and pathogenicity of animal viruses; basic techniques of tissue culture and virology will be performed in the laboratory. May be taught concurrently with BMS 524. Cannot receive credit for BMS 524 and BMS 624.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

BMS 625 Molecular Biology

Prerequisite: permission of the instructor.

In-depth examination of nucleic acid structure, function, regulation, repair, and mutagenesis; principles of genetic engineering. Laboratory provides experience in the techniques used to isolate, separate, quantitate, characterize, and modify nucleic acids. The course also includes an introduction to the GenBank and EMBL nucleic acid and protein sequence databases. May be taught concurrently with BMS 525. Cannot receive credit for BMS 525 and BMS 625.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Fall, Spring

BMS 628 Molecular Mechanisms of Bacterial Pathogenesis

Prerequisite: BMS 622.

An in-depth study of the methods of genetic control and production of pathogenic factors employed by disease causing bacteria. The course will use both reference material and primary literature to illustrate the topics under discussion. May be taught concurrently with BMS 528. Cannot receive credit for both BMS 528 and BMS 628.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

BMS 629 Molecular Genetics

Prerequisite: BMS 625.

Laboratory skills course that provides guided experience designing and implementing modern molecular techniques to answer research questions. Allows an in-depth exploration of principles at the core of molecular biology such as: quantification of gene expression (e.g. qRT-PCR, Northern blot, western blot, flow cytometry), genetic engineering (e.g. cloning, site-directed mutagenesis, genome manipulation), analyzing genetic material (e.g. genotyping, genetic screening, sequencing), and isolating molecules of interest (e.g. immuno-purification, RNA isolation, PCR). May be taught concurrently with BMS 529. Cannot receive credit for both BMS 529 and BMS 629.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	3	Fall

BMS 631 Cell Biology of Cancer

Prerequisite: BMS 622.

Discussion of the initiation, cellular and genetic events which lead to cancer as well as its prevention, treatment, and personal consequences. An extensive paper and presentation are required. May be taught concurrently with BMS 530. Cannot receive credit for both BMS 530 and BMS 631.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

BMS 635 Signal Transduction

Prerequisite: BMS 622.

This course will examine the molecular mechanisms of various ligand/receptor interactions. The dynamics involved in ligand/receptor binding will be studied and examples of receptor-mediated signal transduction will be introduced. Signaling pathways within the cell will be discussed. Primary literature and reference materials will be utilized to illustrate specific examples under discourse. May be taught concurrently with BMS 535. Cannot receive credit for both BMS 535 and BMS 635.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

BMS 640 Biotechnology

Prerequisite: permission of instructor.

The applications of the methodologies of cell and molecular biology in the rapidly-evolving biotechnology and biopharmaceutical industries with an emphasis on the major sectors involving human therapeutics, human diagnostics, and genomics. Cell and molecular biology technologies adapted to mass production techniques to produce the products of biotechnology are surveyed. Typical pathways of product development from original basic research, product inception, clinical trials, regulatory approval, and commercialization are covered. Students will examine the current programs of the research and development of selected biotechnology and big pharmaco corporations. May be taught concurrently with BMS 540. Cannot receive credit for both BMS 540 and BMS 640.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

BMS 641 Physiology of the Cell

Prerequisite: admission to the Cell and Molecular Biology graduate program or permission of the instructor.

The molecular, chemical, membrane and cellular basis of metabolic homeostatic processes in cells, cytoplasmic compartments and primary organ systems. May be taught concurrently with BMS 442. Cannot receive credit for both BMS 641 and BMS 442.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

BMS 642 Organ Physiology

Prerequisite: C or better in BMS 641.

Course will continue the investigation of human physiology by organ system including the cardiovascular and respiratory systems as well as mechanisms of body defense. May be taught concurrently with BMS 542. Cannot receive credit for both BMS 642 and BMS 542.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 645 Clinical Gross Anatomy

Prerequisite: admission to Master of Occupational Therapy program.

The course offers in-depth coverage of basic, applied and clinical aspects of gross anatomy. An advanced musculoskeletal anatomy course that emphasizes the study of functional relationships between musculature, nervous tissue, vascular and skeletal components for the extremities and axial skeleton: Cadaver dissection laboratory experience is used to enhance understanding of three dimensional anatomical relationships for specific body regions. Students observe, discuss, teach, learn and dissect all body systems in detail. This course incorporate traditional didactic lectures, discussions, laboratory dissection, students teaching students (peer-teaching) in laboratory sessions and assignments that rely on critical thinking. Identical with OTE 645. Cannot receive credit for both BMS 645 and OTE 645.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	3	6	Summer

BMS 658 Recombinant DNA Techniques

Prerequisite: C grade or better in BMS 622.

A laboratory intensive course designed to extend the molecular biology principles and current techniques used in gene cloning, site-directed mutagenesis, transformation of eukaryotic cells, designing gene expression vectors, performing molecular hybridization techniques, confirming gene expression through reverse transcriptase PCR, and DNA sequencing. May be taught concurrently with BMS 558. Cannot receive credit for both BMS 558 and BMS 658.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall, Spring

BMS 660 Medical and Pathologic Physiology Laboratory

Prerequisite: admission to MS in Cell and Molecular Biology Program.

Experience using laboratory techniques and case studies to enhance knowledge of pathophysiology. May be taught concurrently with BMS 562. Cannot receive credit for both BMS 562 and BMS 660.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

BMS 661 Medical and Pathologic Physiology

Prerequisite: admission to MS in Cell and Molecular Biology Program.

A study of physiological dysfunction in human disease with consideration of disease etiology, diagnosis, clinical interpretation, and treatment. Designed for students and professionals in the health sciences. May be taught concurrently with BMS 561. Cannot receive credit for both BMS 561 and BMS 661.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BMS 663 Advanced Work Physiology

Review of cellular metabolism, energy transfer, and oxygen transport during work; excitation-contraction coupling in skeletal muscle; physiological mechanisms of fatigue; neuroendocrine regulation of metabolism and other responses to work; environmental factors in work performance. Emphasis on molecular and cellular mechanisms and contemporary research. May be taught concurrently with BMS 563. Cannot receive credit for both BMS 563 and BMS 663.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 664 Molecular Endocrinology and Reproductive Physiology

A detailed examination of the physiological, cellular and molecular aspects of human reproduction with particular emphasis on the endocrine aspects of reproduction. May be taught concurrently with BMS 564. Cannot receive credit for both BMS 564 and BMS 664.

aspects of reproduction. May be taught concurrently with BMS 564. Cannot receive credit for both BMS 564 and BMS 664.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BMS 665 Human Cardiopulmonary Physiology

Prerequisite: admission to MS in Cell and Molecular Biology program.

A cellular and molecular study of human cardiovascular and respiratory physiology and related human diseases. Emphasis will be on the molecular mechanisms for normal and abnormal functions of the blood, the blood vessels, the heart, the respiratory tract, and the lung. Current research topics and results will be introduced and discussed. May be taught concurrently with BMS 565. Cannot receive credit for both BMS 565 and BMS 665.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BMS 667 Physiology of Exercise Metabolism

Introduction to the study of human metabolic and work physiology. Digestion, absorption, and metabolism of biologically important nutrients as they affect cellular energy transfer; mechanisms of energy transfer in cells during various forms of work; oxygen transport and utilization at the cellular and system level; factors modifying the efficiency of human work performance. May be taught concurrently with BMS 567. Cannot receive credit for both BMS 567 and BMS 667.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

BMS 668 Physiology of the Human Gastrointestinal and Urinary Systems

Structure and function of the gastrointestinal and urinary systems including pathophysiology of common clinical conditions. May be taught concurrently with BMS 568. Cannot receive credit for both BMS 568 and BMS 668.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BMS 669 Neurobiology

Prerequisite: permission of instructor.

Study of the mammalian nervous system including anatomy and principles of function. May be taught concurrently with BMS 569. Cannot receive credit for both BMS 569 and BMS 669.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 670 Principles of Pharmacology

Prerequisite: permission of instructor.

Recommended Prerequisite: BMS 622. Overview of the aspects of pharmacology including: pharmacodynamics, pharmacokinetics, pharmacogenomics, drug selectivity, toxicity, metabolism, drug development, and drug regulation. Additionally, an overview of the major classification of drugs and their mechanisms of action will be presented. May be taught concurrently with BMS 570. Cannot receive credit for both BMS 670 and BMS 570.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 673 Endocrine Physiology

Prerequisite: admission to the Cell and Molecular Biology graduate program or permission of the instructor.

A detailed examination of the physiological, cellular and molecular aspects of the human endocrine system. May be taught concurrently with BMS 573. Cannot receive credit for both BMS 673 and BMS 573.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

BMS 682 Embryology

Recommended Prerequisite: human anatomy. A study of prenatal human development with emphasis on the cellular and subcellular mechanisms correlating normal development with common congenital malformations. Topics include cell division, gametogenesis, fertilization, and development of the embryo from zygote to the differentiation of the neural tube. The development of specific human organ systems including, skeletomuscular, cardiovascular, respiratory, pharyngeal, craniofacial, digestive, urinary, genital, and endocrine systems will be covered throughout prenatal development. Prepares students in pre-professional medical, dental, and allied health curricula, as well as any student requiring a background in embryology. May be taught concurrently with BMS 582. Cannot receive credit for both BMS 582 and BMS 682.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 686 Molecular Mechanisms in Animal Development

An overview of the relationship between the anatomy of developing embryos and fundamental molecular mechanisms that generate this morphology, with an emphasis on vertebrates. Some invertebrate systems will be presented. Selected topics will include cell signaling during fertilization, gene activity in early development, cytoskeleton dynamics during morphogenesis, cell-cell adhesion, master pattern genes, and regulated cell death. May be taught concurrently with BMS 584. Cannot receive credit for both BMS 584 and BMS 686.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 688 Histology

Microscopic structure of cells, tissues, and organ systems, with special emphasis on human tissues. Extensive laboratory experience with interpretation of structures in stained tissues mounted on microslides. Recommended for students in medical, dental, optometric, and other preprofessional curricula, cell and molecular biology, and zoology. May be taught concurrently with BMS 585. Cannot receive credit for both BMS 585 and BMS 688.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall

BMS 693 Bioinformatics and Biomedical Resources

Prerequisite: permission of instructor.

Use of biomedical source materials and methods of data access, selection, organization, and evaluation. May be taught concurrently with BMS 593. Cannot receive credit for both BMS 593 and BMS 693.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

BMS 700 Introduction to Graduate Studies in the Biomedical Sciences

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Study of the researcher role, the research process, and research ethics relating to the biomedical sciences.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BMS 701 Research in the Biomedical Sciences

Prerequisite: admission to MS in Cell and Molecular Biology program.

Focus on research skills, scientific writing, and professional development. May be repeated to a maximum of four hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

BMS 707 Medical Human Anatomy

Prerequisite: admission to the Cell and Molecular Biology graduate program.

This course offers an in-depth coverage of basic, applied, and clinical aspects of gross anatomy. Students observe, discuss, teach, learn, and dissect all body systems in detail. This course incorporates traditional didactic lectures, discussions, laboratory dissection, students teaching

dissect all body systems in detail. This course incorporates traditional didactic lectures, discussions, laboratory dissection, students teaching

students in laboratory teaching sessions, and assignments that rely on critical thinking. Students make oral presentations and use the library and other sources of information (such as the internet and our Computer Laboratory) to learn and teach applied gross anatomy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	3	10	Fall

BMS 711 Microbial Genetics

Prerequisite: BMS 622.

Course is designed to investigate various aspects of microbial genetics using advanced laboratory techniques. Experiments may include DNA and plasmid isolation and characterization, mutagenesis, transformation, transduction and conjugation of bacteria.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

BMS 717 Medical Human Anatomy and Radiology

Prerequisite: admission to the Physician Assistant Studies program.

Regional study of the human body. Course will include lecture and laboratory activities including cadaver dissection, study of anatomic models, computer images, x-ray, CAT scan and MRI, and ultrasound imaging. Identical with PAS 717. Cannot receive credit for both BMS 717 and PAS 717.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	3	11	Spring

BMS 726 Advanced Topics in Cell and Molecular Biology

Prerequisite: permission of instructor.

Focused or detailed consideration of advanced or timely topics in cell and molecular biology. May involve group discussion from another institution or represent individual study. Credit for BMS 726 may be given for electronic and distance learning courses available via the internet with the approval of the cell and molecular biology faculty who will determine the credit hours and topic title. Variable content course. May be repeated to a maximum of six hours provided topics are different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

BMS 727 Human Gross Anatomy

In-depth study of the gross anatomy of the human body in areas of interest relating to administration of anesthesia.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

2	1	3	Fall

BMS 728 Human Neurophysiology and Anatomy

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

This is a blended course designed for a study of human neuroanatomy and neurobiology with emphasis on understandings of pain sensation and perception. Lecture is focused on fundamental structure and function of central nerve system and peripheral nerve system with respect to pain followed by understandings of its regulatory mechanisms and pathological pain. The lecture portion incorporated non-traditional online lectures and discussion in classroom. Laboratory offers hands-on learning opportunities with emphasis on pain-related Gross Anatomy and pain management. Students observe, discuss, teach, and learn about the human nervous system in a cooperative learning environment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Summer

BMS 730 Current Literature Topics

Prerequisite: admission to MS in Cell and Molecular Biology program.

A weekly forum of faculty and graduate students to discuss reports in the current literature from cell, molecular, and developmental biology. Participants are assigned to report on developments in their specialty or area of interest and provide background for understanding the basis and significance of the report to others in the group. May be repeated. Required each regular semester for full time students.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

BMS 732 Clinical Preventive Medicine

Prerequisite: permission of instructor.

A review of current scientific evidence regarding effective screening tests and interventions to improve health status.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 752 Medical Physiology

Prerequisite: admission to Physician Assistant Studies program or Doctor of Physical Therapy program or MS in Cell and Molecular Biology program.

The study of biological function of the human organism. Emphasis will be placed on mechanisms and regulation using examples focusing on the field of medicine. Topics covered will include general cell function, neural, endocrine, cardiovascular, respiratory, gastrointestinal and

renal physiology and regulation of acid-base balance. The course stresses the interrelated functions of the body systems in homeostasis and builds on this knowledge to introduce how disease alters the homeostatic controls.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BMS 784 Developmental Genetics

Prerequisite: BMS 625.

A study of developmental gene families, their expressions as related to the normal and abnormal development of form and structure, and their intrinsic and extrinsic regulation in various animal model systems, including humans. Specific gene-programmed and gene regulated mechanisms such as those regulating pattern formation, triggering cell differentiation, initiating regeneration (as it applies to specific tissues and organs), controlling apoptosis, and determining rates of cellular and organismal aging are included.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

BMS 785 Histology and Tissue Biology

Prerequisite: admission to MS in Cell and Molecular Biology program.

This course emphasizes the structure and basic function of all the major tissues and cell types in the human body. It includes normal cell and tissue morphology and the adaptations that occur as a result of various stimuli both normal and abnormal.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

BMS 797 Non-Thesis Project

Prerequisite: permission of instructor.

In-depth study in an area of interest, culminating in a presentation of an extensive scholarly paper. Graded Pass/Not Pass Only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2			Fall, Spring

BMS 798 Research

Prerequisite: permission of instructor.

Application of the research process in the supervised study of a selected problem. May be repeated to a maximum of six hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

BMS 799 Thesis

Prerequisite: permission of instructor.

Demonstration of the capacity for research and independent thought culminating in a thesis. May be repeated to a maximum of six hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

Dietetics and Nutrition (DTN) courses

DTN 300 Service Learning in Dietetics and Nutrition

Prerequisite: 30 hours and concurrent enrollment in a Dietetics and Nutrition course designated as service learning offering.

This service component for an existing course incorporates community service with classroom instruction in one of the Dietetics and Nutrition courses to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

DTN 740 Medical Nutrition Therapy I Practicum

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or the graduate Dietetic Internship Certificate Program.

This is the first of a two-semester course sequence providing field experience in patient/client nutritional management at various sites under professional supervision (37 hours per week). Emphasis will be on utilizing the nutrition care process in providing basic medical nutrition therapy to include at least diabetes, heart disease, lung disease and basic health promotion in an acute or clinical setting.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

DTN 741 Medical Nutrition Therapy II Practicum

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or the graduate Dietetic Internship Certificate Program.

This is the second of a two-semester course sequence providing eight weeks of field experience in patient/client nutritional management at various sites under professional supervision (40 hours per week). Emphasis will be on utilizing the nutrition care process in providing medical nutrition therapy to include at least tube feeding, TPN, pre/post surgery patients in an acute or clinical setting with a research component required as part of the practicum.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

DTN 742 Population Health Nutrition Practicum

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or the graduate Dietetic Internship Certificate Program.

This course provides a 222 hour field experience in the delivery of population health and community nutrition programs at local, state, national levels at various sites under professional supervision. Current issues relating to nutrition promotion and preventive health care will be examined. Students will evaluate nutrition components of various community health agencies and participate in the delivery of services.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

DTN 743 Food Service Management Practicum

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or the graduate Dietetic Internship Certificate Program.

This course provides a five week field experience (37 hours per week) practicing a systems approach to nutrition services management, including the human dimensions of management, management tools and techniques for assessing accountability, cost containment, productivity and marketing plans. Projects include development of a personnel and operational budget for nutrition services.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

DTN 744 Practicum in Area of Concentration

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or the graduate Dietetic Internship Certificate Program.

This course provides a minimum of 240 hours in either Population Health, Public Affairs or Rural Health. Field placements and experiences will be developed with each student and the program director.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

DTN 745 Topics and Issues in Dietetics

Prerequisite: admission to the graduate Dietetic Internship Certificate Program.

This course provides a six week forum (3 hours per week) for topics pertinent to the practice setting and transition to professional practice. Topics of interest will cover areas such as managed health care, ethical decision-making, registration examination, charting, etc. May be repeated to 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

DTN 750 Advanced Medical Nutrition Therapy

DTN 750 Advanced Medical Nutrition Therapy

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or graduate Dietetic Internship certificate program.

Advanced study of metabolic demands in complex disease processes using the Nutrition Care Process in an evidence based approach to altered nutritional needs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

DTN 752 Advanced Population Health Nutrition I

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or graduate Dietetic Internship certificate program.

Advanced population health information in preparation for the registered dietitian examination, including review of basic community information. Overview of interpretation of census data and assessing disparities within the population. Other topics include: nutrition public policy, local and global food insecurity, and population health determinants with an emphasis in rural communities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

DTN 753 Advanced Foodservice Management

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or graduate Dietetic Internship Certificate Program.

Project and research based application of management concepts and skills to deliver food to people in various settings including schools and hospitals. In addition, review of basic foodservice management concepts and knowledge to include foodservice systems, menu planning, sustainability, and quality improvement.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

DTN 755 Advanced Nutrition Counseling

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program.

Advanced counseling techniques, nutrition interventions, and behavior change theories applied to nutrition counseling. Emphasis on motivational interviewing, including application in practice to provide the learner with strategies and counseling skills to promote behavior change in patients/clients.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Summer

DTN 762 Advanced Population Health Nutrition II

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program.

Course designed as a continuation of DTN 752 to further analyze population health disparities and to develop and implement community programs/policy strategies. Graduate students will be actively involved in developing strategies for implementation based on community needs assessment. This course will include both didactic and experiential components where much of the framework for student learning and evaluation will take place in partnership with community nutrition practitioners.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

DTN 797 Non-thesis Project

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program.

In-depth scientific study of a nutrition and dietetics problem of interest that culminates in a scholarly paper and formal community or professional presentation. Student must have research project proposal approved by faculty supervisor and program director prior to enrollment. Must be repeated for a total of 3 hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

DTN 799 Thesis

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program.

Demonstration of the capacity for research and independent thought culminating in a thesis. May be repeated for a maximum of 6 hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

Medical Technology (MTC) courses

MTC 401 Clinical Chemistry

Analytical and theoretical aspects of the clinical biochemistry of body fluid constituents, utilizing both manual and instrumental techniques including automation and special procedures.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
9-12			Upon demand

MTC 402 Clinical Microscopy-Urinalysis

Principles and techniques of the physical, chemical and microscopic examination of urine and other excreta as related to disease processes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MTC 403 Hematology-Coagulation

A study of the cellular element of blood and bone marrow; theory of cell production, release and survival; morphological characteristics of normal and abnormal cells; quantitative and qualitative abnormalities. Principles and techniques involved in the study of hemostasis, blood coagulation and hemorrhagic disorders.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4-6			Upon demand

MTC 404 Serology-Immunology

The science of immunity including antibody development, principles of antigen-antibody interactions, and techniques of serological testing for various disease states.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-4			Upon demand

MTC 405 Clinical Microbiology

Sterile technique, methods of handling and inoculating specimens containing pathogenic microorganisms, isolation and identification of pathogenic microorganisms, laboratory test in chemotherapy, and diagnostic bacteriology, mycology, and parasitology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
7			Upon demand

MTC 406 Blood Bank-Immunohematology

A study of blood group systems and the immune response. Methods of cross-matching, antibody screening, and phenotyping. Administrative safeguards and legal aspects of blood banking. Proper clinical utilization of blood components.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-5			Upon demand

MTC 407 Special Topics in Medical Technology-Education and Management

Instruction will include lecture and/or clinical practice in the areas of In-Service Education, Management and Supervision, Research and Development, and Principles and Techniques of the Instructional Process.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2			Upon demand

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Missouri State

Biomedical Sciences

Minor(s)

Biomedical Sciences

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Nursing

A. Required Courses: BMS 110(3), 111(1); 230(3) or 231(4); 307(4), 308(4)
B. Additional electives to bring total hours to at least 20 hours of courses with a BMS prefix. BMS 100, 101, 300, BIO 101, 102, or 111 cannot be used to satisfy any Biomedical Science minor requirements.
C. Course waivers: Below is a listing of courses that can be waived after the completion of the corresponding BIO course. Courses can only be waived with the permission of the department head. Course must be completed with a grade of a B or higher to receive a waiver.

   If courses are waived, additional biomedical sciences elective courses must be taken to total 20 credit hours with the BMS prefix for completion of the minor. Some courses required for completion of the biomedical sciences minor may have prerequisites. Consult with your advisor before scheduling.

   1. BIO 121 General Biology I for BMS 110 and BMS 111 Introduction to the Biomedical Sciences lecture and lab
   2. BIO 235 Principles of Genetics for BMS 230 or BMS 231 Human Genetics
   3. BIO 380 Comparative Vertebrate Anatomy for BMS 307 Human Anatomy
   4. BIO 361 General Physiology for BMS 308 Human Physiology

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Missouri State

Office of the Registrar
Undergraduate Catalog

Cell and Molecular Biology

Major(s)

Cell and Molecular Biology (Comprehensive)

Bachelor of Science

The comprehensive major in Cell and Molecular Biology (CMB), is a rigorous and selective program in the sciences that prepares academically-serious students for:

1. graduate work in cell biology or molecular biology,
2. graduate work in fields such as biotechnology, biochemistry, physiology, pharmacology, and microbiology where a strong undergraduate foundation in cell and molecular biology would be an asset,
3. professional schools of medicine, dentistry, optometry, or other health-related professions and,
4. employment in cell biology and biotechnology-based industries.

Because of sequential prerequisites, limited course offerings, and tight course scheduling, students seeking formal admission to the degree program must begin to plan their program with a Cell and Molecular Biology (CMB) advisor in the Department of Biomedical Sciences early during their freshman year.

Admission Requirements

Formal admission to the Cell and Molecular Biology (CMB) major requires completion of at least 25 hours of course work, including BMS 110, BMS 111, BMS 231, and CHM 160 and CHM 161, and a cumulative and science GPA of 2.50 or higher. A student must achieve a grade of "C" or better in all specific general education requirements (A below), all required BMS core courses (B1 below), and all requirements from other departments (B2 below). A grade of "C" or better must be obtained in a prerequisite course prior to taking a sequential course. In the terminal semester each CMB major is required to take a comprehensive assessment examination in Cell and Molecular biology.

Program Requirements

A. General Education Program and Requirements
   Specific General Education Requirements: BMS 110(3), 111(1); PHY 123(4) or 203(5); MTH 287(3) or 261(5)
B. Major Requirements (56-57 hours)
   1. Biomedical Sciences courses required: BMS 231(4), 321(4), 494(1), 521(4), 525(4)
   2. Requirements from other departments: CHM 160(4), 161(1), 170(3), 171(1), 342(3), 343(3), 345(2); PHY 124(4) or 204(5)
   3. Other requirements: At least 16 hours of appropriate electives, selected in consultation with the student's advisor, numbered 300 or higher. At least 10 of these elective hours must carry a BMS course code. Recommended Electives: BMS 308(4), 497(1-3), 498(1-3), 514(2), 516(4), 524(3), 529(2), 540(2), 558(3), 569(3), 582(4), 584(3), 585(4); BIO 312(3), 313(2), 511(4); CHM 505(4), 552(3)
   4. Public Affairs Capstone Experience will be fulfilled by completion of BMS 494(1) and any combination of the following courses equaling 3 total hours: BMS 300(1), 380(1-3), 400(2), 490(3), 498(1-3).
C. General Baccalaureate Degree Requirements

Accelerated graduate program in Cell and Molecular Biology

Eligible Missouri State undergraduate students may apply for admission to the Cell and Molecular Biology program and begin taking

graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Clinical Laboratory Sciences-Medical Technology

Major(s)

Clinical Laboratory Sciences-Medical Technology (Comprehensive)

Bachelor of Science

Students desiring to enter clinical laboratory sciences-medical technology may secure preparatory training at Missouri State University. All the requirements for the Bachelor of Science must be met with a minimum of 95 credit hours, including the capstone course, completed prior to entry into the clinical phase of the program. For the major, the University will grant 30-39 hours of upper-division credit upon completion of the work given in a NAACLS approved school of clinical laboratory sciences-medical technology. The actual number of hours granted depends on which school of clinical laboratory sciences-medical technology the student attends. Before a student matriculates to an approved school, he/she must secure a letter from the Office of the Registrar which indicates the completion of all requirements for the degree other than the training at the school of clinical laboratory sciences-medical technology.

Missouri State University has entered into agreements with the school of clinical laboratory sciences-medical technology at Mercy (Joplin), Cox Medical Center (Springfield), and North Kansas City Hospital (Kansas City) whereby a clinical laboratory sciences-medical technology major may complete his/her work at one of those schools. Under these agreements, the student must meet the requirements for admission at the school of his/her choice as outlined above. Courses taken at one of the above schools will be entered directly on the Missouri State academic record and the grades earned in those courses will be calculated into the cumulative Missouri State grade point average. This combined averaging of grades applies only to clinical laboratory sciences-medical technology students attending one of the affiliated schools. MTC courses may not be used toward satisfying the University's residence requirements for graduation. Those requirements must be met before entering a school of clinical laboratory sciences-medical technology. The descriptions of the courses to be taken at the school of clinical laboratory sciences-medical technology are listed under the MTC prefix.

Neither admission to the Missouri State program of preparatory training nor completion of that program will ensure admission to a school of clinical laboratory sciences-medical technology. The student may apply for admission at the beginning of the third year at Missouri State, but acceptance by the clinical laboratory sciences-medical technology school is at the discretion of that school. Recent graduates of other majors who have met the prerequisites may also apply to these schools.

A. General Education Program and Requirements
   Specific General Education Requirement: BIO 121(4) or BMS 110(3) and 111(1)
B. Major Requirements:
   1. Additional Science Courses Required: BMS 231(4) or BIO 235(3) and 236(1); and BMS 307(4) and BMS 308(4); and BIO 312(3) and BIO 313(2) and BIO 511(3); CHM 160(4) and CHM 161(1); CHM 170(3) and CHM 171(1); and CHM 201(3) and 202(2), or CHM 342(3) and 345(2); and BMS 321(4) or CHM 352(3) and CHM 353(2); and statistics (BIO 550 or MTH 340 or PSY 200 or QBA 237 or SOC 302 or equivalent).
   2. Required Emphasis: Select one of the following emphases:
      a. Microbiology Emphasis: BIO 520(3) and BMS 524(3)
      b. Molecular Diagnostics Emphasis: BMS 321(4) and BMS 521(4) and BMS 525(4). Note: BMS 321 may also count as one of the required science courses.
      c. Management Emphasis: MGT 286(3) and MGT 340(3)
   3. Additional electives. With advisor approval, choose at least one additional course from the following that is not taken in the required

courses or emphasis: BMS 321(4) or BIO 520(3) or BMS 521(4) or BMS 524(3) or CHM 302(5) or CHM 352(3) and CHM 353(2) or MGT 286(3) or MGT 340(3)

4. Clinical Course Requirements: MTC 401(10-12), 402(1-3), 403(4-6), 404(3-4), 405(7), 406(3-5), 407(2)
5. Public Affairs Capstone Experience will be fulfilled by completion of any combination of the following courses equaling 3 total hours: BMS 300(1), BIO 300(1), CHM 300(1), BMS 400(2).

C. General Baccalaureate Degree Requirements

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https://www.missouristate.edu/registrar/catalog/prog-clinical-laboratory-sciences-medical.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Dietetics

Major(s)

Dietetics (Comprehensive)

Bachelor of Science

Accreditation

The Dietetics program is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2190, Chicago, IL 60606-6995, (800) 877-1600 ext. 5400. Graduates who meet the requirements for a Verification Statement are eligible to apply for a ACEND-accredited Dietetics Internship and, following its successful completion, to take the national registration examination to become credentialed as a Registered Dietitian (RD).

Requirements for Verification Statement of Completion of Didactic Program in Dietetics

A cumulative GPA of at least 2.90 with a grade of "C" or higher in all courses required for the major.

Admission Requirements

A. Completion of at least 45 hours
B. BMS 240, BMS 305, BMS 308, CHM 116 and 117 **or** (CHM 160, 161, 170 and 171) with grades of "C" or better in each of the courses.
C. A Missouri State GPA of at least 2.90; and a combined (Missouri State and transfer) GPA of at least 2.90. Exception to the minimum GPA may be made in unusual cases, but exceptions will be limited to no more than five percent of the total number of students admitted to the program. Students must be aware that a GPA of less than 3.00 is not considered competitive for internships.

Additional Requirements

When applying to the program students are required to:

1. Purchase the dietetics program shirt for use when participating in course related events. Prices may be obtained from the department.
2. Provide evidence of immunization or vaccination for vaccine-preventable diseases to include MMR, tetanus, and a complete Hepatitis B series including a titer demonstrating immunity.
3. Provide evidence of health insurance, including hospitalization. A comprehensive student group health and accident insurance policy is available through Missouri State University.
4. Provide documentation of negative tuberculosis status or evidence of appropriate follow-up.
5. Submit a drug screening test and criminal record check and receive response that the applicant has not been convicted of any crime pursuant to Section 324.217 or other disqualifications that would prohibit licensure as a registered dietitian.
6. Provide a signed copy of the Dietetics Honor Code.

Program Requirements

A. General Education Program and Requirements
Specific General Education requirements: BMS 110(3) and 111(1); CHM 116(4) and 117(1); ENG 321(3); MTH 135(3) or 136(5) or 137(5) or 138(5) or 181(3) or 261(5) or 287(3); PSY 121(3)
B. Major Requirements

1. Dietetics and Nutrition Courses: BMS 240(3), 305(1), 306(1), 330(2), 331(3), 332(3), 333(3), 335(3), 340(2), 345(3), 430(3), 437(3), 445(3), 532(3), 536(4), 538(3), 539(1), 546(4), 550(2), 595(1)
2. Biomedical Science Courses: BMS 110(3), 111(1), 230(3), 307(4), 308(4)
3. Public Affairs Capstone Experience will be fulfilled by completion of BMS 345(3).
4. Related Requirements: BIO 212(2) and 213(1); CHM 201(3); CHM 352(3); MTH 340(3) or 545(3) or PSY 200(3) or QBA 237(3) or SOC 302(3)

C. General Baccalaureate Degree Requirements

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Missouri State

Office of the Registrar
Undergraduate Catalog

Exercise Biology

Minor(s)

Exercise Biology

Bachelor of Science

Bachelor of Science in Athletic Training

A. Required Courses: BMS 430(3), 532(3), 467(3); BMS 520(3) or CHM 352(3); BMS 567(4)
B. Choose electives from the following to bring total hours in the minor to at least 21 hours: BMS 230(3), 260(4), 335(3), 563(3), 570(4); KIN 569(3); PSY 508(3)

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https://www.missouristate.edu/registrar/catalog/prog-exercise-biology.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Molecular Biology

Minor(s)

Molecular Biology

Bachelor of Science

Required Courses: BMS 521(4), 524(3), 525(4), 529(2), 558(3); BIO 312(3), BIO 313(2)

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https://www.missouristate.edu/registrar/catalog/prog-molecular-biology.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Nutrition

Minor(s)

Nutrition

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Nursing

A. Required Courses: BMS 240(3), 333(3)
B. Choose electives from the following to bring total hours in the minor to at least 20 hours: BMS 300(1), 306(1), 330(2), 331(3), 332(3), 334(3), 335(3), 340(2), 345(3), 390(1-2), 391(1-4), 392(1), 395(1), 396(1), 397(1-3), 400(2), 430(3), 437(3), 532(3). See Dietetics Program Director for additional courses that may be approved.

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https://www.missouristate.edu/registrar/catalog/prog-nutrition.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Communication Sciences and Disorders

Programs

Indicates accelerated graduate program is available

Undergraduate

Communication Sciences and Disorders (BS)

Sign Language Studies (Minor)

Graduate

Audiology, Doctor of (AuD)

Communication Sciences and Disorders/Education of the Deaf and Hard of Hearing (MS)

Communication Sciences and Disorders/Speech-Language Pathology (MS)

Education of the Deaf and Hard of Hearing (Certificate)

Accreditations

- Council on Academic Accreditation in Audiology with American Speech-Language-Hearing Pathology – Communication Sciences and Disorders option in Speech-Language Pathology (MS); Doctor of Audiology (AuD)
- Council on Education of the Deaf – Communication Sciences and Disorders option in Education of Deaf and Hard of Hearing (MS)

Contact

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https://www.missouristate.edu/registrar/catalog/dept_cd.html

Missouri State

Office of the Registrar
Undergraduate Catalog

Communication Sciences and Disorders Faculty

Professors

Klaas Bakker, PhD

Wafaa A. Kaf, MD

Julie J. Masterson, PhD

Lisa A. Proctor, PhD

Letitia J. White-Minnnis, PhD

Associate professors

Thomas C. Franklin, PhD

Alana Mantie-Kozlowski, PhD

Shurita Thomas-Tate, PhD

Assistant professors

Adbullah M. Jamos, AuD

Susan Lockenvitz, PhD, CCC-SLP

Clinical professors

Deborah A. Cron, MEd

Karen S. Engler, EdD

Tara L. Oetting, MS

Clinical associate professors

Sarah R. Barber, AuD

Edith Bobbitt-Boyce, AUD

Jennifer M. Pratt, MS

Clinical assistant professors

Lauren E. Jones, MS

Sarah M. Jones, AUD

Holly V. Metcalf, MS

Visiting assistant professor

Sonia Arora, BGS

Clinical instructor

Kimberly D. Ireland, MS

Emeritus faculty

Neil J. DiSarno, PhD

Harold W. Meyers, PhD

Ronald W. Netsell, PhD

Jill J. Oswalt, MA

Patricia A. Pike, MA

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Missouri State

Communication Sciences and Disorders Courses

Communication Sciences and Disorders (CSD) courses

CSD 201 Introduction to Communication Disorders

Provides a general understanding of normal and deviant speech, language and hearing in adults and children. Considers the normal development of communication behavior, and the nature of communication disorders.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 209 Basics of Linguistics for the Communication Sciences

General coverage of linguistic theories and application as relevant to the communication sciences and disorders professional. Also coverage of the specific components of language (phonology, morphology, syntax, semantics, and pragmatics), including procedures for description and analysis commonly used in the communication sciences and disorders.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 210 Phonetics

Instructional and laboratory application of international phonetic alphabet in transcribing normal/disordered American English.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

CSD 216 Anatomy and Physiology of Speech

Particular structure and functions of human anatomy related to the processes of speech.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 260 Survey of Interests in Deaf and Hard of Hearing

A survey course on the effects of hearing impairments as they relate to development, learning, education, and social interaction across the lifespan. Resources and agencies that assist persons who are deaf and hard of hearing at the local, state, and national levels will be discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 312 Normal Language Acquisition

Theories and sequence of normal language development, emphasizing phonological, morphological, syntactic, semantic, and pragmatic abilities. Emphasis on first six years.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

CSD 315 Language Disorders in Children

Prerequisite: grade of C or better in CSD 312.

Nature, evaluation and treatment of language disorders in children. The goal of the course is to introduce students to the populations of children who experience language disorders including children with developmental language disorders, autism spectrum disorders, and intellectual disabilities. The course will examine tools and strategies used to assess language disorders as well as evidenced-based intervention strategies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 316 Introduction to Language and Cognitive-Linguistic Disorders in Adults

Prerequisite: grade of C or better in CSD 312.

Nature, evaluation and treatment of acquired language and cognitive-linguistic disorders in adults caused by stroke, brain injury and neurological disease. Study of current clinical approaches and evidenced-based practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 318 Introduction to Phonological (Sound System) Disorders in Children

Prerequisite: grade of C or better in CSD 210.

Introduction to the nature, evaluation, and treatment of sound system disorders in children

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 321 Sign Language: Signed English I

Gain beginner level skill in sign language and fingerspelling through Manually Coded English. Development of a general knowledge base including the history of sign language and the spectrum of sign options available. May be taught concurrently with CSD 621. Cannot receive credit for both CSD 321 and CSD 621.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

CSD 322 Sign Language: Signed English II

Prerequisite: CSD 321.

Emphasis on the expansion of Manually Coded English sign language skills through the use of conversation and the increased development of vocabulary. May be taught concurrently with CSD 631. Cannot receive credit for both CSD 322 and CSD 631.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 330 Introduction to American Sign Language (ASL)

A beginning level course in American Sign Language. Students will gain information about the history and structure of this unique visual/gestural system of communication, its vocabulary and syntax, and practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 636. Cannot receive credit for both CSD 330 and CSD 636.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	LANG 105 - Foreign Language I.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

CSD 331 American Sign Language (ASL) II

Prerequisite: CSD 330.

An advanced beginning level course in American Sign Language. Students will gain more complex introductory information about the history and structure of this unique visual/gestural system of communication, its vocabulary and syntax, and practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 637. Cannot receive credit for both CSD 331 and CSD 637.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	LANG 106 - Foreign Language II.

Access the CORE 42 portal

CSD 332 American Sign Language (ASL) III

Prerequisite: CSD 331.

An intermediate level course in American Sign Language. Students will gain information regarding vocabulary, syntax and cultural factors related to this unique visual/gestural system of communication. Students will gain further practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 638. Cannot receive credit for both CSD 332 and CSD 638.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 333 American Sign Language (ASL) IV

Prerequisite: CSD 332.

An advanced level course in American Sign Language. Students will gain information regarding vocabulary, syntax and cultural factors related to this unique visual/gestural system of communication. Students will gain further practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 639. Cannot receive credit for both CSD 333 and CSD 639.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 360 Hearing Science

Prerequisite: "C" or better grade in one course for each of the following areas: Chemistry/Physics: CHM 107(3), or CHM 116(4), or PHY 100(4) or PHY 203(5); Biology: BIO 101(3), or BIO 121(4), or BMS 100(3) and 101(1) or BMS 110(3) and 111(1); Mathematics: MTH 130 or higher.

Elementary acoustical theory and application to the study of speech production, reception and perception; emphasis on anatomy of auditory system, decibel notation and traditional psychophysical methods.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Summer

CSD 362 Speech Science

Prerequisite: CSD 216.

Analysis of research on the acoustic parameters, the perceptual and productive processes of normal speech.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 370 Audiology

Prerequisite: grade of C or better in CSD 360.

Principles of hearing measurement: test methods, screening methods, test interpretation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 380 Development, Diversity, and Deafness

Includes prevalence, terminology and the effects of hearing loss and its management on child development. Comprehensive scope of communication options will be explored. Exceptionalities, including cultural and linguistic differences among individuals who are deaf or hard of hearing will be considered within the context of family and development, both educationally and socially. May be taught concurrently with CSD 685. Cannot receive credit for both CSD 380 and CSD 685.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 388 Cultural and Linguistic Diversity

The purpose of this course is to introduce students to multicultural issues designed to better prepare them to serve diverse populations while employed in health and education professions. Students enrolled in this course will be given the tools to begin to develop cultural competence as future service providers. Course will examine the role of culture in the development, assessment and management of normal and disordered speech and language. This course will address the cultural and socio-political issues of education and clinical treatment of U.S. groups by race/ethnicity, class, gender, sexual orientation, age, disability and religious practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 400 Introduction to Research in Communication Sciences and Disorders

An introduction to the principles and methods of statistics used in research, critical reading of the literature, and scientific writing in communication sciences and disorders. Contains prerequisite knowledge needed for the graduate course in research that is required of all majors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 417 Clinical Assessment and Intervention of Voice, Speech and Swallowing Disorders

Prerequisite: CSD 216 and CSD 362 or permission.

Introduction to the assessment and intervention of adult voice, speech and swallowing problems. A strong emphasis will be on how clinical technologies can be used to enhance the effectiveness of common behavioral approaches.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 482 Introduction to Clinical Methods

Prerequisite: grade of C or better in CSD 315 and in CSD 316.

A study of assessment and treatment principles, methods and procedures relating to speech, language and hearing disorders.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 484 Introduction to Practice Settings on Communication Sciences and Disorders

A course focusing on the varied settings in which audiologists and speech-language pathologists work. Seniors majoring in audiology or speech-language pathology who complete this course may accrue up to 8 hours of the ASHA-required 25 hours of observation in their field of study.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 492 Issues in Communication Sciences and Disorders

Prerequisite: permission.

Supervised independent study exploring in-depth selected areas. Selected readings, controlled by conferences, progress reports and term paper. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

1-3 **Credit hours**	**Lecture contact hours**	**Lab contact hours**	Fall, Spring **Typically offered**

CSD 495 Observation Clinical Practicum I

Prerequisite: admission to Communication Sciences and Disorders major.

Students will make observations and complete assignments relating to service delivery in their respective disciplines. A minimum of 12 hours will be direct observation. Course content will emphasize assessment practices, professional code of ethics, skills in reflective decision-making, and technical writing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

CSD 496 Observation Clinical Practicum II

Prerequisite: CSD 495.

Students will make observations and complete assignments relating to service delivery in their respective disciplines. A minimum of 13 hours will be direct observation and/or participation. Emphasis will be on professional competencies, technical writing, and implementation of discipline-specific practices. May be repeated to total of 4 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

CSD 497 Observation Clinical Practicum

Prerequisite: admission to CSD undergraduate major.

Students will make observations and complete assignments relating to service delivery in their respective disciplines. A minimum of 12 hours will be direct observation. Course content will emphasize assessment practices, professional code of ethics, professional competencies, reflective decision-making, technical writing and implementation of discipline-specific practices. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Fall

CSD 522 Neural Bases of Human Communication

Study of the nervous system and its role in normal and abnormal speech and language processing. May be taught concurrently with CSD 623. Cannot receive credit for both CSD 623 and CSD 522.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 562 Psycho-Social Implications of Being Deaf and Hard of Hearing

Characteristics and problems of persons who are D/HH as they affect interaction with general society. Emphasis on interpersonal relationships through the lifespan. Introduction to adolescent development and psychology of learning of the typical child. May be taught concurrently with CSD 669. Cannot receive credit for both CSD 669 and CSD 562.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 572 Aural Rehabilitation

Prerequisite: CSD 370 or concurrent enrollment.

Principles of habilitation/rehabilitation of communication disorders related to hearing impairment. Types of amplification and assistive listening devices used in classrooms. Issues of classroom acoustics and ways to optimize the classroom listening environment. May be taught concurrently with CSD 673. Cannot receive credit for both CSD 673 and CSD 572. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 580 Technical Solutions in Communication Disorders

Review and demonstration of current hard- and software systems for the evaluation, treatment, and research of communication disorders. May be taught concurrently with CSD 681. Cannot receive credit for both CSD 681 and CSD 580.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSD 621 Sign Language: Signed English I

Gain beginner level skill in sign language and finger-spelling through Manually coded English. Develop a general knowledge base including the history of sign language and the spectrum of sign options available. May be taught concurrently with CSD 321. Cannot receive credit for both CSD 321 and CSD 621. Students will be required to complete a project in an area related to their professional course of study.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 623 Neural Bases of Human Communication

Study of the nervous system and its role in normal and abnormal speech and language processing. May be taught concurrently with CSD 522. Cannot receive credit for both CSD 522 and CSD 623.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 631 Sign Language: Signed English II

Prerequisite: CSD 321 or CSD 621.

Emphasis on the expansion of Manually Coded English sign language skills through the use of conversation and the increased development of vocabulary. Students will be required to complete a project in an area related to their professional course of study. May be taught concurrently with CSD 322. Cannot receive credit for both CSD 631 and CSD 322.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 636 Introduction to American Sign Language (ASL)

A beginning level course in American Sign Language. Students will gain information about the history and structure of this unique visual/gestural system of communication, its vocabulary and syntax, and practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 330. Cannot receive credit for both CSD 636 and CSD 330.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 637 Introduction to American Sign Language (ASL) II

Prerequisite: CSD 636.

An advanced beginning level course in American Sign Language. Students will gain more complex introductory information about the history and structure of this unique visual/gestural system of communication, its vocabulary and syntax, and practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 331. Cannot receive credit for both CSD 637 and CSD 331.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 638 Introduction to American Sign Language (ASL) III

Prerequisite: CSD 637.

An intermediate level course in American Sign Language. Students will gain information regarding vocabulary, syntax and cultural factors related to this unique visual/gestural system of communication. Students will gain further practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 332. Cannot receive for both CSD 638 and CSD 332.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 639 Introduction to American Sign Language (ASL) IV

Prerequisite: CSD 638.

An advanced level course in American Sign Language. Students will gain information regarding vocabulary, syntax and cultural factors related to this unique visual/gestural system of communication. Students will gain further practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 333. Cannot receive credit for both CSD 639 and CSD 333.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 669 Psycho-Social Implications of Being Deaf and Hard of Hearing

Prerequisite: permission.

Characteristics and problems of persons who are D/HH as they affect interaction with general society. Emphasis on interpersonal relationships through the lifespan. Introduction to adolescent development and psychology of learning of the typical child. May be taught concurrently with CSD 562. Cannot receive credit for both CSD 562 and CSD 669.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 673 Aural Rehabilitation

Prerequisite: CSD 360.

Principles of habilitation/rehabilitation of communication disorders related to hearing impairment. Types of amplification and assistive listening devices used in classrooms. Issues of classroom acoustics and ways to optimize the classroom listening environment. May be taught concurrently with CSD 572. Cannot receive credit for both CSD 572 and CSD 673.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 681 Technical Solutions in Communication Disorders

Review and demonstration of current hard- and software systems for the evaluation, treatment, and research of communication disorders. May be taught concurrently with CSD 580. Cannot receive credit for both CSD 580 and CSD 681.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSD 685 Development, Diversity, and Deafness

Includes prevalence, terminology and the effects of hearing loss and its management on child development. Comprehensive scope of communication options will be explored. Exceptionalities, including cultural and linguistic differences among individuals who are deaf or hard of hearing will be considered within the context of family and development, both educationally and socially. Fifteen hours of integrated service-learning will be a component of the course. May be taught concurrently with CSD 380. Cannot receive credit for both CSD 685 and

service learning will be a component of the course. May be taught concurrently with CSD 380. Cannot receive credit for both CSD 389 and CSD 380. Students in this course will be required to complete additional assignments compared to those students in CSD 380 for the purpose of developing skills, knowledge, and dispositions related to teaching and learning in varied settings with diverse learners required for all educators to be effective in a global society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 701 Research: Deaf and Hard of Hearing

Prerequisite: permission.

Foundation for research study in the education of individuals who are deaf and hard of hearing. Emphasis will be placed on evaluation of research and professional writing as it pertains to education of individuals who are deaf and hard of hearing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Summer

CSD 702 Research Methods in Communication Disorders

Prerequisite: CSD 712 or concurrent enrollment.

Nature of qualitative and quantitative research methodology, experimental design, scientific writing, and the exploration of efficacy and effectiveness in evidence-based practice. Examination of research literature through critical reviews of articles. The design of research pertaining to speech, language and hearing functions, and the analysis of data.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 710 Developmental Psycholinguistics

Prerequisite: CSD 712 or concurrent enrollment.

Presentation of current theories associated with psycholinguistic development. Focus will be on auditory perception, individual differences, cognitive hypotheses, and stage transition.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 712 Child Language I

Prerequisite: admission to graduate program in Department of Communication Sciences and Disorders.

Issues related to the area of language development and disorders in children age birth to five will be presented. The course will focus on best practices for the assessment and treatment of children age birth to five with language disorders.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 713 Child Language II

Prerequisite: CSD 712 or concurrent enrollment.

Current issues within the area of oral and written language development and disorders in school-age children and adolescents will be discussed. Methods for critically evaluating research and applying this research to clinical practice with children and adolescents with language disorders will be covered. Focus of course is on optimal methods for assessment and treatment of language disorders in children and adolescents.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 714 Language Disorders: Rehabilitation

Prerequisite: CSD 712 or concurrent enrollment.

Diagnostic and therapeutic strategies for language disorders in adults associated with auditory discrimination, perception, short and long-term memory, semantic and syntactical concept formation, and retrieval of auditory information.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSD 715 Infants and Toddlers: Communication Assessment and Treatment

Prerequisite: CSD 712 or concurrent enrollment.

Issues regarding communication assessment and intervention for infants and toddlers will be discussed. Course content will include a study of at-risk factors and established risks for developmental disabilities. Service delivery models for the assessment and treatment of communication disorders for infants and toddlers will be presented. Play-based assessment and intervention strategies will be included in course content.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

CSD 716 Craniofacial Anomalies

Prerequisite: CSD 712 or concurrent enrollment.

The study of communication and associated problems related to congenital and acquired craniofacial anomalies. Emphasis on interdisciplinary procedures relative to amelioration of communication deficits manifest in these anomalies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 718 Fluency Disorders

Theoretical, clinical, and experimental approaches to the study and treatment of fluency disorders.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Summer

CSD 720 Voice Disorders

The study of the human voice and its disorders. Emphasis on 1) evaluation and treatment of neurogenic, psychogenic, and idiopathic voice disorders, and 2) respiratory, laryngeal and velopharyngeal dysfunction.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Summer

CSD 724 Aphasia

Prerequisite: CSD 712 or concurrent enrollment.

Emphasis on language impairment as a result of brain dysfunction. A theoretical and clinical analysis of the neurolinguistic basis for describing, diagnosing, remediating, and/or providing means for alternative communication for individuals who suffer from aphasia.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSD 725 Motor Speech Disorders

Prerequisite: CSD 712 or concurrent enrollment.

Study of neurogenic speech disorders. Emphasis on the evaluation and treatment of (1) the dysarthrias and dyspraxias, and (2) underlying neurologic and vocal tract dysfunction.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 726 Diagnostics: Speech and Language Assessment

Prerequisite: CSD 712 or concurrent enrollment.

Principles and procedures for tests of language and speech dysfunctions. Interpretation of diagnostic findings leading to clinical decision-making, rehabilitative planning and reporting. Students obtain clinical experience in diagnostic procedures at the University Speech and Hearing Clinic.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

CSD 728 Advanced Study of Phonological (Sound System) Disorders in Children

Prerequisite: CSD 712 or concurrent enrollment.

Discussion of processes involved in phonological production and how breakdowns in these processes, including hearing loss or deafness, lead to specific problems. Methods for critically evaluating research and applying this research to the study of phonological disorders will be covered. Focus of course is on optimal methods for assessment and treatment of phonological disorders in children.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 729 Cognitively-Based Communication Disorders

Prerequisite: admission to graduate program in Department of Communication Sciences and Disorders.

Exploration of the pathophysiology, nature, appraisal, prevention, and management of a variety of neurogenic communication disorders, excluding the aphasias, that affect human cognition. These disorders include right hemisphere syndrome, and traumatic brain injury, in both children and adults, and the dementias.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

CSD 732 Speech and Language Assessment and Treatment for Special Populations

Prerequisite: CSD 712 or concurrent enrollment.

Information on the speech and language disabilities associated with children with special needs. Target populations will include children with cognitive disabilities, dual sensory disabilities, autism spectrum disorders, behavioral disabilities and/or physical disabilities, and children who are deaf and hard of hearing. Communication development and prevention, assessment, and intervention for each of these populations will be addressed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSD 733 Introduction to Augmentative and Alternative Communication

Prerequisite: admission to graduate program in Department of Communication Sciences and Disorders.

This course will cover the basic components of AAC as well as assessment and intervention strategies. In addition, the operation, evaluation, and application of the technology associated with AAC will be presented. AAC assessment and intervention will be discussed in regards to the following populations: children and adults with developmental disabilities and individuals with acquired disabilities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 741 Dysphagia

Prerequisite: CSD 712 or concurrent enrollment.

Comprehensive study of normal and disordered swallowing. Special emphasis will be placed on the evaluation and treatment of disordered swallowing processes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 742 Speech-Language Services in Medical Settings

Prerequisite: CSD 712 or concurrent enrollment.

This course is designed to provide a guide to the concepts, policies, and procedures encountered in the medical setting. It is hoped that at the end of this course, students will feel more comfortable entering the medical setting in various practicum settings that are required in our graduate program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

CSD 758 Early Intervention Assessment: Deaf and Hard of Hearing

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.

Methods and techniques for working with families as well as in the educational environment of infants and children who are deaf or hard-of-hearing from birth through the beginning elementary school years. Emphasis on methods and procedures of formal and informal assessment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

CSD 759 Early Intervention: Deaf and Hard of Hearing

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.

Methods and techniques for working with families who have infants, toddlers and/or young children who are deaf or hard of hearing from birth to the beginning elementary school years in both natural and educational environments. Emphasis on methods and procedures for intervention, interpretation of assessment data and prescriptive instruction.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

CSD 760 Language Development: Deaf and Hard of Hearing I

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.

Theories and research into language development in individuals with hearing and those with losses of hearing are explored with implications for assessment and intervention. Problems and issues related to language development are presented for reflection and discussion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 761 Language Development: Deaf and Hard of Hearing II

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program.

Methods, strategies, and techniques of language development that may be applied in assessing and instructing students with hearing losses.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

CSD 762 Speech Development: Deaf and Hard of Hearing I

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.

Theories of speech development as they apply to persons who are deaf or hard of hearing. Phonetics including transcription. Anatomy and physiology of the speech mechanisms. Techniques for analyzing speech will be stressed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 763 Auditory Development: Deaf and Hard of Hearing

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program.

Development of listening skills across settings by maximizing use of residual hearing and hearing technologies, notably cochlear implants. Auditory re/habilitation assessment, intervention, and principles as it relates to individuals who are deaf or hard of hearing and their families with emphasis on a developmental model for the acquisition of speech and language. Challenges with classroom acoustics and ways to

with emphasis on a developmental model for the acquisition of speech and language. Challenges with classroom acoustics and ways to optimize the classroom listening environment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 764 Instructional Strategies: Deaf and Hard of Hearing

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program.

Development of instructional strategies for teaching students who are deaf or hard of hearing with an emphasis on differentiated instruction. Focus on upper elementary through the secondary school levels, including career education.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 765 Reading: Deaf and Hard of Hearing

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.

Theories of reading with an emphasis on adaptations for assessment and intervention for students who are deaf or hard of hearing. Introduction to available resources.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 766 Counseling: Deaf and Hard of Hearing

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.

Theoretical bases of counseling and the role of the educator in the counseling process. Emphasis on the counseling process as it affects the educational, personal, social, and familial adjustment of individuals who are deaf or hard of hearing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

CSD 767 Amplification Systems in the Educational Setting

Prerequisite: permission.

The different types of amplification and assistive listening devices used in classrooms will be discussed in detail. Students will be able to discuss issues of acoustics and amplification devices in educational settings. They will learn vocabulary needed for communication with other professionals, and they will obtain hands-on experience with hearing aids and assistive devices found in classrooms.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 782 Acoustic Phonetics

Prerequisite: CSD 712 or concurrent enrollment.

Investigation of the acoustic characteristics of normal and pathological speech and voice production.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

CSD 783 Physiological Phonetics

Prerequisite: CSD 712 or concurrent enrollment.

Analyses of the physiological features underlying voice, speech and language processes; theories of encoding, and encoding control mechanisms.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

CSD 784 Non-Thesis Project

Prerequisite: CSD 712 or concurrent enrollment.

In-depth study in an area of communication sciences and disorders, culminating in a presentation of an extensive scholarly paper. Syllabi with specific expectations will be developed for each semester. SLP Emphasis: Students register for 1 credit hour per semester for a minimum of 3 semesters; may be repeated. DHH Emphasis: Students register for 3 credit hour in the first semester of enrollment and then 1 credit hour in the subsequent semester for a minimum total of 4 credit hours, may be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

CSD 788 Professional Issues I: Education Settings

Prerequisite: CSD 712 or concurrent enrollment.

This class will be taught in conjunction with student's school practicum experiences and will focus on professional issues in school settings. Topics will include overview of service delivery systems, business aspects of service delivery, scope of practice, quality assurance/assessment, legal and ethical responsibilities, professional organizations, and career development issues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 789 Professional Issues

Prerequisite: CSD 712 or concurrent enrollment.

This functionally-oriented course is designed to complement students' concurrent clinical externships in educational and healthcare settings. Issues include, but are not limited to, in-depth discussion and analysis of relevant local, state, and national policies and procedures for ethical and effective evidence-based service delivery; models of collaborative team assessment and treatment applications to a variety of speech-language pathology settings; professional organizations; and recognition of potential external influences that may impact treatment objectives and length of intervention.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 790 Workshop in Communication Disorders

Prerequisite: permission.

A concentration of work to improve the skill and knowledge in specific areas. Each workshop will be concerned with a single topic. Number of class hours determined by length of workshop. Thirty clock hours equal 1 semester hour. May be repeated to a maximum of 6 hours credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

CSD 791 Professional Issues in Speech-Language Pathology

Prerequisite: CSD 712 or concurrent enrollment.

Functionally-oriented course designed to complement students' concurrent clinical externships in educational and healthcare settings. Issues include, but are not limited to, in-depth discussion and analysis of relevant local, state, and national policies and procedures for ethical and effective evidence-based service delivery; models of collaborative team assessment and treatment applicable to a variety of practice settings; and recognition of potential external influences that may impact treatment objectives and length of intervention.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 792 Independent Study

Prerequisite: permission.

Study may be a reading project or a practical application of theories. May be repeated to a maximum of 4 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CSD 794 Orientation to Clinic Speech Pathology

Prerequisite: CSD 712 or concurrent enrollment.

Preparation for practicum work in speech pathology. Clinic procedures, observation guidelines, documentation requirements, shadowing of practicing clinicians, development of integration of knowledge and skills in speech pathology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring, Summer

CSD 795 Advanced Clinical Practice

Prerequisite: admission to graduate program in Department of Communication Sciences and Disorders.

Training in audiology, speech and language disorders, and education of the deaf and hard of hearing in clinical, hospital, school, and/or other settings. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

CSD 796 Supervised Teaching

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.

The assumption of teaching responsibilities at an approved practicum site under the direction of a University CED certified supervisor and practicum site instructor. Students enrolled in this course may be required to have a physical examination, including a TB test before placement in the practicum setting.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
8			Upon demand

CSD 797 Speech-Language Pathology Externship

Prerequisite: CSD 712 or concurrent enrollment.

Professionally supervised practice in speech-language assessment and intervention in clinical, hospital, school, and/or other settings. Students enrolled in this class may be required to have a TB test, immunizations, and malpractice insurance. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring, Summer

CSD 799 Masters Thesis

Prerequisite: admission to graduate program in Department of Communication Sciences and Disorders.

In-depth research culminating in a presentation and defense of the thesis. Syllabi with specific expectations will be developed for each semester. SLP Emphasis: Students register for 2 credit hours per semester for a minimum of 3 semesters; may be repeated. DHH Emphasis: Students register for 3 credit hours per semester for a minimum of 2 semesters; may be repeated. Students must be registered for at least

Students register for 3 credit hours per semester for a minimum of 2 semesters, may be repeated. Students must be registered for at least one credit hour until the thesis has been approved.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

CSD 800 Research Methods in Audiology

Prerequisite: CSD 807 or concurrent enrollment.

This course will outline the research process in audiology beginning from proposing a research question to drawing and disseminating conclusions. Special emphasis will be place on conducting clinical research and evaluating published research findings in audiology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 807 Auditory System: Physiology/Neurophysiology

Prerequisite: admission to Doctor of Audiology program.

This course describes in depth aspects of the peripheral and central auditory system as it pertains to anatomy and physiology. Students learn about the functional development of the human auditory system as well as comparative anatomy. The peripheral anatomy will include external (pinna, canal, and tympanic membrane), middle (ossicular mechanism, eustachian tube, facial nerve) and cochlear structures (microanatomy, ultrastructures, sensory epithelium, cochlear fluids, vascular system). The central anatomy will include the cochlear nerve, neural transmission, afferent and efferent pathways (brainstem and midbrain) and cortical function.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSD 834 Diagnostic Audiology I

Prerequisite: admission to Doctor of Audiology program.

A comprehensive study of a variety of site of lesion tests. The course will cover acoustic immittance and reflectance measures including tympanometry and acoustic reflex measures for detection of middle ear disorders and site of lesions in the auditory pathway. Other site of lesion tests include threshold and suprathreshold tone decay, loudness recruitment, loudness balance. Short Increment Sensitivity Index, Bekesy tests and brief tone audiometry. Tests for detection of nonorganic hearing loss will also be discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 835 Auditory Electrophysiology I

Prerequisite: CSD 807 or concurrent enrollment.

This course introduces the electrophysiological auditory responses with a focus on the inner ear responses. The course discusses the different types of otoacoustic emissions (OAE's) and the recording protocols of the Electrocochleography test (cochlear microphonic [CM],

different types of otoacoustic emissions (OAEs) and the cochlear potentials of the Electrocochleography test (cochlear microphonics [CM] and summating potentials [SP]) in detail. Students will learn how to record, analyze and interpret OAEs, CM and SP. Students will, also, learn screening and diagnostic applications of electrophysiological responses in a variety of auditory pathologies. Several academic disciplines contribute to the material covered, including: physiology, anatomy, and pathology. Topics extend to the auditory efferent system, ototoxicity monitoring, neonatal hearing screening, noise induced hearing loss, and beyond.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 840 Speech Pathology for the Audiologist

Prerequisite: CSD 807 or concurrent enrollment.

In-depth discussion of normal and disordered speech and language development, with emphasis on hearing loss and its effect on speech and language. Central auditory processing disorders, adult communication disorders, and proper evaluation and referral processes for speech and language also discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSD 842 Vestibular Assessment and Rehabilitation

Prerequisite: CSD 807 or concurrent enrollment.

An examination of the physiological aspects of the vestibular system, chemical effects on the vestibular system, medical and chemical treatment methods, balance system assessment, assessment of the efficacy of intervention, and anatomy, neuroanatomy, and physiology of the pertinent sections of the auditory system (peripheral and central) will be covered.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	0	Fall

CSD 844 Auditory Electrophysiology II

Prerequisite: CSD 807 or concurrent enrollment.

A look at various techniques and theories behind electrodiagnostic testing procedures. Advanced study of auditory evoked responses applied in audiology. Anatomy, neuroanatomy, and physiology of the pertinent sections of the auditory system (peripheral and central) will be covered.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 846 Instrumentation and Calibration

Prerequisite: CSD 807 or concurrent enrollment.

Detailed investigation into instrumentation and calibration and its importance in the field of Audiology. Emphasis on bioelectrical hazards, physical characteristics and measurement of acoustic, electric, and other non-acoustic stimuli, determination of calibration in relation to accepted standards, and use of various types of instrumentation according to manufacturer's specifications and recommendations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

CSD 848 Cochlear Implants and Other Assistive Listening Devices

Prerequisite: CSD 807 or concurrent enrollment.

This course provides an investigation into the various types of cochlear implants and an understanding of the anatomical and psychological aspects, including controversies surrounding implantation of children. Emphasis will include intervention and therapy techniques for children and adults with cochlear implants and other alternative listening devices.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

CSD 849 Basic Audiometry

Prerequisite: CSD 807 or concurrent enrollment.

This course describes aspects of basic diagnostic testing in clinical audiology. Students learn about basic diagnostic test procedures including air-conduction and bone-conduction threshold testing, speech audiometric test procedures and clinical masking procedures.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 850 Pediatric Audiology

Prerequisite: CSD 807 or concurrent enrollment.

Overview of auditory development. Presentation of auditory disorders, audiological assessment, and treatment needs specific to infants and children. Emphasis on parent-child interactions and family dynamics in habilitating hearing-impaired children. Relevant calibration and instrumentation issues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

CSD 852 Advanced Hearing Science

Prerequisite: admission to Doctor of Audiology program.

Acoustics and physical measures involving the properties of sound as well as psychoacoustics and sound perception.

Acoustics and physical measures involving the properties of sound as well as psychoacoustics and sound perception.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 866 Counseling in Audiology

Prerequisite: admission to Doctor of Audiology program.

Various counseling strategies used in clinical audiology practice will be discussed. Counseling needs of adults with hearing loss and families of children with hearing loss will be reviewed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

CSD 868 Amplification Systems I

Prerequisite: CSD 807 or concurrent enrollment.

Current concepts in amplification and assistive listening devices. Evaluation, selection, and fitting of prosthetic devices for the hearing impaired. Relevant calibration and instrumentation issues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

CSD 870 Clinical Audiology II

Prerequisite: CSD 807 or concurrent enrollment.

Theory and practice of electrophysiological testing for the auditory and vestibular systems. Relevant calibration and instrumentation issues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Spring

CSD 871 Amplification Systems II

Prerequisite: CSD 807 or concurrent enrollment.

Coverage of recent developments in remediation of communication disorders related to hearing loss in adults and children.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 873 Educational Audiology

Prerequisite: CSD 807 or concurrent enrollment.

This course includes information and strategies students need to work in today's inclusive school environment, functioning as part of a collaborative team, helping develop IFSPs, IEPs and ITPs, supervising audiological screening and conservation programs. It will prepare students to perform the various roles of the educational audiologist, clinician, community liaison service coordinator, supervisor, and advocate. Issues that affect learners with hearing impairment across the lifespan (infant toddlers, elementary and high school students, and college and adult learners) and various regulations related to the delivery of effective educational services (e.g., ADA, IDEA) will be discussed. This course will also include information on the evaluation of, and referral process for, speech and language disorders related to hearing loss.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSD 874 Clinical Audiology III

Prerequisite: CSD 807 or concurrent enrollment.

Discussion of recent advances in audiology and hearing science research which have potential clinical application.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSD 875 Medical Audiology

Prerequisite: CSD 807 or concurrent enrollment.

Detailed analysis of the etiology and assessment of common pathologies of the auditory system. Medical intervention and audiologic test battery interpretation discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 876 Hearing Conservation and Calibration

Prerequisite: CSD 807 or concurrent enrollment.

This course will prepare the audiologist to meet industrial needs for sound measurement and hearing conservation. Government standards will be reviewed and applied to industrial settings that fall under OSHA guidelines for hearing conservation. This will include the anatomical and physiological effects of noise on humans; federals standards and damage-risk criteria, the susceptibility and predisposing factors related to industrial noise as well as conducting and reporting a noise survey with a hearing conservation plan. The course will also cover calibration of audiometers and the use of ANSI standards.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

CSD 878 Professional Issues in Audiology

Prerequisite: admission to Doctor of Audiology program.

Investigation into current professional issues and ethics in the field of audiology will be covered. Topics will include laws, ethics, current issues, regulations and policies. Emphasis on discussing topics as they relate to the three pillars of Missouri State University's public affairs mission: community engagement, cultural competence, and ethical leadership.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Spring

CSD 879 Practice Management in Audiology

This course will provide an introduction to audiology practice management. Emphasis is placed on private and clinical practice. Development of a business proposal, relevant laws, current issues, regulations, policies, management and marketing of practices, record maintenance and technology and social media in the workplace will be covered.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSD 880 Grand Rounds in Audiology

Prerequisite: CSD 807 or concurrent enrollment.

Describes in-depth aspects of audiological evaluation, diagnosis and management of routine and complex cases. The course will review cases in which behavioral, electrophysiologic, central, and vestibular testing are necessary to allow differential diagnosis. Each case study will involve the progression of the disorder and audiological/medical manifestations that occur during this period. Discussion involving strategies for (re)habilitation, remediation and management of each auditory disorder will be examined. The latter may include amplification, central auditory processing, counseling and tinnitus management. Case presentations will be obtained from audiology, otology, and neurology journals, text and personal cases. In addition, with respect to aural (re)habilitation, presentations will be made on current trends in amplification management regarding manufacturers' products and their applicability to specific cases. Must be repeated to a minimum of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Summer

CSD 884 Doctoral Project

Prerequisite: CSD 807 or concurrent enrollment.

In-depth study in an area of Audiology, culminating in a presentation of an extensive scholarly paper. Must be repeated for a minimum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

CSD 895 Advanced Clinical Practice

Prerequisite: CSD 807 or concurrent enrollment.

Training in audiology, speech and language disorders, and education of the deaf and hard of hearing in clinical, hospital, school, and/or other settings. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

CSD 900 Professional Preparation for Externship

This course will guide students through the process of obtaining a fourth year externship. Construction of a cover letter, professional resume and interview techniques will be covered. In addition, requirements of the 4th year externship and professional licensure and certification after graduation will be covered.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

CSD 945 Central Auditory Processing Disorders

Prerequisite: CSD 807 or concurrent enrollment.

This course describes various aspects of central auditory processing and disorders. Students learn about the underlying processes of auditory processing in the central nervous system. They are provided with a review of several evaluation and remediation approaches used in the management of individuals with central auditory disorders.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSD 972 Advanced Auditory Re/Habilitation

Prerequisite: CSD 807 or concurrent enrollment.

Course will include detailed investigation into clinical assessment, treatment techniques, and evaluation of auditory re/habilitation and discussion of the theories and research of language development in individuals with both normal and impaired hearing. Implications for intervention are reviewed and discussed. Various counseling strategies for both adults with hearing loss and families of children with hearing loss will be discussed as they relate to case management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

CSD 996 Audiology Externship

Prerequisite: CSD 807 or concurrent enrollment.

Professionally supervised practice in auditory assessment and intervention in clinical, hospital, school, and/or other settings. Students enrolled in this class may be required to have a TB test, immunizations, and malpractice insurance. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-9			Fall, Spring, Summer

CSD 999 Doctoral Thesis

Prerequisite: CSD 807 or concurrent enrollment.

In-depth research in an area of Audiology, culminating in a presentation and defense of the thesis. Must be repeated for a minimum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

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Missouri State

Office of the Registrar
Undergraduate Catalog

Communication Sciences and Disorders

Major(s)

Communication Sciences and Disorders (Comprehensive)

Bachelor of Science

Admission Requirements

A. Attainment of at least a 3.00 GPA (based on a 4.00 scale). For students with transfer credit, a combined GPA of at least a 3.00 must be achieved for all transfer coursework plus all coursework attempted at Missouri State.
B. Completion of at least 50 semester hours including the following General Education courses with grades of "C" or better. Select from the courses below to be eligible for consideration for admission to the major. Students pursuing the accelerated Doctor of Audiology degree have different requirements that other students. Contact your advisor to determine eligibility to pursue the accelerated Doctor of Audiology degree. Course options were selected to fulfill Knowledge and Skills in Communication Sciences and Disorders (CSD). Contact your advisor to determine any available course substitutions.
    1. Chemistry and/or Physics*
        a. Students pursuing the accelerated Doctor of Audiology degree must complete a chemistry course and a physics course selected from CHM 116(4) and 117(1) or CHM 160(4) and 161(1); and PHY 100(4) or PHY 123(4) or PHY 203(5)
        b. All other students select one course from CHM 107(3), CHM 116(4), PHY 100(4), PHY 203(5)
    2. Biology*
        a. Students pursuing the accelerated Doctor of Audiology degree must complete BIO 121(4) or BMS 110(3) and 111(1).
        b. All other students select one course from BIO 101(3), BIO 121(4), or BMS 100(3) and 101(1) or BMS 110(3) and 111(1)
    3. College level mathematics course
        a. Students in the Audiology option (both accelerated and traditional) must select from MTH 135, 138, 181, 261, or 287.
        b. Students in the SLP and EDHH options may select any course that meets the General Education Focus on Quantitative Literacy requirement.
    4. Complete the Knowledge of Human Cultures section of the General Education Program (12 hours).

    *For students pursuing the accelerated Doctor of Audiology degree, at least two of the three required science courses must include a laboratory component. For all other students, at least one of the science courses must include a laboratory component.

Program Requirements

Within the General Education Knowledge of the Natural World requirement, students pursing the accelerated Doctor of Audiology degree must complete a biology course, a chemistry course, and a physics course as described in the Admission section. Two of the three courses must include a laboratory component.

All other students must complete a biology course and a chemistry or physics course as described in the Admission section. One of the courses must include a laboratory component.

In addition, all students must complete a statistics class.

This major does not require completion of a minor. Students should consult with their advisor to determine which program option is best for them.

A. General Education Program and Requirements. Refer to the Admission section of this major for specific course and grade requirements.
B. Major Requirements
   1. Core: CSD 312(3), 321(3), 360(3), 370(3); CSD 380(3) or SLP students substitute 388(3); CSD 400(3); CSD 495(2) and 496(2) or EDHH students substitute CSD 497(3); CSD 572(3); PSY 121(3); PSY 200(3)
   2. Public Affairs Capstone Experience will be fulfilled by completion of CSD 572(3) or CSD 497(3).
   3. Select one the following options:
      a. **Audiology:** ENG 296(3) or CSD 209(3); CSD 210(3), 216(3), 315(3), 318(3), 362(3), 522(3), 562(3)
      For students pursuing the accelerated Doctor of Audiology degree, CSD 496(2) will be repeated for a total of 4 hours. Additionally, ENG 296 and CSD 318 will be waived; CSD 807(3), 849(3), 852(3), and 878(3) will be taken as Mixed Credit; and CSD 868(3) and 895(1) will be taken as Senior Permission. Students wishing to pursue the accelerated Doctor of Audiology degree must apply to the program in the spring of the junior year.
      b. **Education of Deaf and Hard of Hearing:** EDC 345(3); SPE 310(3); CSD 322(3), 330(3), 331(3), 562(3)
      This option does not prepare students for teacher certification or entry into the accelerated master's program. EDHH students pursuing a career as a certified teacher of the deaf and hard of hearing should apply to the accelerated master's program in the spring of their junior year. Students admitted to the accelerated program take the following courses for undergraduate and graduate credit (Mixed Credit): CSD 760(3), 762(3), 763(3), 795(3). See certification requirements below for more information.
      c. **Speech-Language Pathology:** CSD 209(3), 210(3), 216(3), 315(3), 316(3), 318(3), 362(3), 417(3), 482(3), 522(3)
C. GPA and grade Requirements
   1. All students must attain a cumulative GPA of at least 3.00 in the CSD major to graduate from the program.
   2. CSD courses cannot be taken on a Pass/Not basis.
   3. Courses in the major cannot be taken more than twice.
D. General Baccalaureate Degree Requirements

Certification Requirements for Deaf and Hard of Hearing

Contact advisor or department head for the requirements and coursework required to meet state and national certification requirements. Students must complete specific coursework through the Teacher Education Program and meet the following requirements to be recommended for state certification.

A. Successfully complete all practicum requirements with a grade of "B" or better.
B. Successfully complete the graduate degree in Communication Sciences and Disorders with option in the Deaf and Hard of Hearing.
C. Successfully complete the state approved exit assessments.
D. Complete all state certification requirements in effect at the time a recommendation is made.

Accelerated graduate program in Communication Sciences and Disorders/Education of Deaf and Hard of Hearing

Eligible Missouri State undergraduate students may apply for admission to the Communication Sciences and Disorders/Education of Deaf and Hard of Hearing program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Accelerated graduate program in Audiology

Eligible Missouri State undergraduate students may apply for admission to the Doctor of Audiology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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https://www.missouristate.edu/registrar/catalog/prog-communication-sciences-and-disorders.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Sign Language Studies

Minor(s)

Sign Language Studies

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Education (Non-Certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

Complete following six courses: CSD 321(3), 322(3), 330(3), 331(3), 332(3), 333(3) in consultation with CSD advisor.

Note: CSD 321 must be taken prior to CSD 322. CSD 330-333 must be taken in sequence.

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https://www.missouristate.edu/registrar/catalog/prog-sign-language-studies.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Kinesiology

Programs

Indicates accelerated graduate program is available

Undergraduate

Coaching (Minor)

Exercise and Movement Science (BS)

Physical Education (BSEd)

Radiography (BS)

Recreation, Sport, and Park Administration (BS, Minor)

Respiratory Therapy (BS)

Graduate

Health Programming (Certificate)

Health Promotion and Wellness Management (MS)

Secondary Education with option in Physical Education (MSEd)

Sports Management (Certificate)

Courses are offered toward option in Sports Management within the Professional Studies program (MPS)

Accreditations

- Missouri Department of Elementary and Secondary Education – Physical Education (BSEd); Secondary Education/Physical Education (MSEd)
- Council for the Accreditation of Educator Preparation – Physical Education (BSEd); Secondary Education/Physical Education (MSEd)
- Council on Accreditation of Parks, Recreation, Tourism and Related Professions – Recreation, Sport, and Park Administration (BS)

General information

Kinesiology/service courses

KIN 101-149 are available as electives for students for the purpose of providing a means to maintain and/or improve physical well-being.

Radiography (RAD) courses

Contact

Department head

Sarah G. McCallister, EdD

Office

McDonald Hall, Room 103

Phone

417-836-5370

Fax

417-836-5371

Email

Radiography (RAD) courses

These courses are specifically designed to provide the basis for professional training in Radiography. Enrollment in any of these courses is contingent on acceptance of the student by the School of Radiologic Technology. The emphasis in all cases is towards applicability to Radiography. These courses are credited only on the Bachelor of Science degree in Radiography.

Respiratory Therapy (RTH) courses

These courses are not offered at Missouri State University and are treated as transfer courses.

KIN@missouristate.edu

Website

missouristate.edu/kinesiology

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Missouri State

Office of the Registrar
Undergraduate Catalog

Kinesiology Faculty

Professors

Barbara A. Bushman, PhD

Keith D. Ernce, PhD

Algerian Hart, PhD

Yating Liang, PhD

Gerald L. Masterson, PhD

Sarah G. McCallister, EdD

Daniel Wilson, PhD

Rebecca J. Woodard, PhD

Associate professors

John Downing, PhD

Hugh M. Gibson, EdD

Melinda Novik, PhD

Assistant professors

James R. Galloway, PhD

Jacob R. Gdovin, MS

Stacy E. Goddard, MS

Junyoung Kim, PhD

Bernard M. Kitheka, PhD

Michael B. La Monica, PhD

Maryann Mitts, PhD

Sara M. Powell, PHD

Senior instructor

Kirsten A. Hatz, MSEd

Instructors

Amy C. Blansit, MA

Zachary J. Burt, MS

Daniel A. Garten, MS

Larry W. Mays, EdS

Emeritus faculty

A. Duane Addleman, PhD

Larry R. Atwood, MS

Sharon A. Baack, PhD

Wesley Bair, EdD

Thomas H. Burnett, PhD

Nancy Curry, PhD

Brenda S. Goodwin, MEd

Kay Hunter, MEd

Steven F. Illum, PhD

Gloria Johnson, MS

Michael W. Keltner, EdS

Jay Kinser, MEd

Perry Miller, EdD

Janice Nelsen, EdD

David T. Oatman, EdD

Rhonda R. Ridinger, PhD

Gayle Runke, MS

Gary Shoemaker, EdD

George Simpson, EdD

Reba Sims, MS

Peggy Thomas, EdD

William J. Thomas, MEd

Gary Thompson, MS

Alex D. Trombetta, HSD

Dale Williams, MS

Tillman Williams, PhD

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Missouri State

Kinesiology Courses

Health (HLH) courses

HLH 195 Introduction to the Health Professions

Designed to familiarize students with a variety of health career opportunities, and to provide guidance in early curriculum planning and alternative career options. Identical with BMS 195. Cannot receive credit for both HLH 195 and BMS 195.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

HLH 399 Cooperative Education in the Health Sciences

Prerequisite: acceptance into the Cooperative Education Program and permission of Director of Health Arts and Sciences.

A supervised learning experience that integrates on-the-job training with academic credit. The student will be required to complete assigned academic work related to the area of practical experience.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

HLH 700 Research Methods in Kinesiology

Nature of research methodology, experimental design and scientific writing. Opportunity to explore research literature and to conduct research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

HLH 710 Introduction to Health Promotion and Wellness Management

This is an introductory course in which students will gain a general understanding of the health promotion and wellness management (HPWM) field. The job opportunities, history, mission, terminology, philosophy, ethical principles, organizations, concepts and foundations of HPWM will be explored.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Fall

HLH 750 Programming Approaches in Wellness/Health Promotion

Organizational and administrative approaches utilized in the conduct of wellness/health promotion programs will be studied. Emphasis will be placed upon the selection, development, promotion, conduct, and evaluation of the various components of wellness/health promotion programs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HLH 752 Health Risk Identification and Management

Procedures and instrumentation utilized in the identification and assessment of risk factors associated with cardiovascular and other major life-style generated diseases and conditions will be studied. Emphasis will be placed upon the utilization of risk factor data in the conduct of a wellness/health promotion program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HLH 760 Health Promotion Planning

A culminating course in the MS in Health Promotion and Wellness Management degree program. This course will focus on the development of health promotion in the workplace: Topics discussed will include effects of health promotion, the compression of morbidity, developing awareness strategies, health assessments, theories of health behavior (self-efficacy, social learning theory, health belief model, theory of planned behavior, stages of change theory), and evaluating existing workplace health promotion programs (physical activity in the workplace, worksite nutrition programs, worksite weight management, tobacco control and cessation, and stress management). The current professional literature related to health promotion will also be reviewed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HLH 770 Seminar in Health Promotion and Wellness Management

Review of the professional literature relating to current issues in health promotion and wellness. Topics researched and discussed include health care ethics, diversity, cultural aspects, long-range planning, public relations, legal considerations, and grant-writing. Includes guided development and completion of an extensive research paper.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	3 **Lecture contact hours**	0 **Lab contact hours**	Spring **Typically offered**

HLH 791 Wellness Internship

Prerequisite: permission of Health Internship Coordinator.

Supervised field experience in a health promotion or health care setting. Directly involves the student in the application of organizational skills and wellness manager skills. Student must complete a minimum number of clinical hours. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall

Kinesiology (KIN) courses

KIN 101 Beginning Swimming

Designed to teach novice swimmer basic swimming skills.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

KIN 102 Intermediate Swimming

Prerequisite: KIN 101 or demonstrate swimming skill first day of class; first aid and CPR certification.

Review of basic strokes. Instruction in competitive strokes. Basic diving instruction. May be taken twice for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Summer

KIN 103 Lifesaving

Prerequisite: KIN 102 or demonstrate swimming skill first day of class, first aid and CPR certification.

Development of personal safety skills and techniques of aquatic rescue for lifeguarding; certification in American Red Cross Life Guard Training may be obtained.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

KIN 104 Water Safety Instruction

Prerequisite: KIN 103 and permission of instructor.

Prepares the student for complete American Red Cross Water Safety Instruction Certificate.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

KIN 105 Alpine Skiing

Prerequisite: permission of instructor.

Fundamental skills of alpine skiing; required Student Union ski trip for the purpose of instruction and practice on snow.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall

KIN 106 Sailing

Prerequisite: demonstrate swimming skill first day of class.

Development of skills and knowledge of sailing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 107 Intermediate Sailing

Prerequisite: KIN 106 or comparable skill and swimming skills.

The course includes a refinement of basic skills and discussion of sailing theory and sailboat racing tactics. May be repeated to a maximum of 2 hours credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 109 Cycling

Cycling as a means of transportation, leisure activity, and fitness medium. Emphasis placed on safety, bikepacking, and cycle maintenance. Student must furnish a bicycle (ten-speed recommended). Field trips required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

KIN 110 Backpacking

KIN 110 Backpacking

Backpacking as a lifetime leisure activity. Emphasis on equipment, safety, techniques, and trip planning. Field trips required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

KIN 111 Beginning Badminton

Fundamentals of grip, stance, footwork and badminton strokes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 112 Beginning Handball

Rules, techniques and strategy of four wall handball.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 113 Beginning Racquetball

Fundamental skills, rules, techniques and strategy of racquetball.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 114 Canoeing

Prerequisite: demonstrate swimming skill first day of class.

River canoeing as a lifetime leisure activity. Emphasis on safety, techniques, trip planning, and equipment. Field trips required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

KIN 118 Bowling

History, fundamental skills, techniques, terminology, rules, strategy and safety skills of bowling.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 120 Beginning Gymnastics

Emphasis on skill progressions in tumbling and vaulting with an introduction to apparatus and balance work. Principles of training, conditioning, and spotting included.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 121 Intermediate to Advanced Gymnastics

Prerequisite: KIN 120.

Emphasis on skill progressions for the Olympic events. Principles of training, conditioning, and spotting are included. May be repeated for a maximum of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 122 Fencing

History, fundamental skills, techniques, terminology, nomenclature, rules, strategy and safety skills of fencing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 123 Intermediate Fencing

Prerequisite: KIN 122.

Advanced compound offenses and defenses; detailed work on competitive techniques. May be taken twice for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 124 Techniques and Principles of Hunting and Fishing

Skills and safety factors of hunting and fishing; Missouri hunting, fishing, and conservation laws and principles upon which these laws are founded.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 125 Aerobic Dance

Aerobic Dance is an exercise program of choreographed routines involving continuous rhythmic activity. The combination of motor skills, jogging, dancing, and vigorous exercise are set to music in a motivational manner. The routines are designed to be simple enough for all individuals to be successful as they move toward cardiovascular fitness.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 126 Folk and Square Dance

Understanding folk and square dance skills, directional patterns, structure.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 127 Weight Training

Scientifically founded isotonic and isometric weight training programs; development of cardiovascular and muscular endurance, strength and flexibility.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 128 Western Square Dance

Review of the 50 basics and introduction to the 25 extended basic skills and patterns of Western Square Dance.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

KIN 130 Adapted Physical Activity

Prerequisite: physician's approval.

Adapted physical activity to meet the needs of students with disabilities and other physical limitations. May be repeated for credit

Adapted physical activity to meet the needs of students with disabilities and other physical limitations. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 133 Volleyball

Basic skills of power volleyball.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

KIN 135 Selected Activities

A variable content course designed to develop lifetime skills in sports, fitness, and/or leisure activities. Activities selected will vary according to demand. Course may be repeated any number of times provided the same activity is not retaken.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

KIN 136 Ballroom Dance

Ballroom dances: technique, lead and style.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 138 Archery

Cultural aspects of archery throughout history; target archery, field archery, bowhunting and bowfishing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 143 Beginning Tennis

Fundamental tennis skills and mechanical principles. Rules, courtesies and etiquette.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

1 **Credit hours**	0 **Lecture contact hours**	2 **Lab contact hours**	Fall, Spring **Typically offered**

KIN 144 Intermediate Tennis

Prerequisite: KIN 143.

Instruction in intermediate and advanced elements of strokes and strategy used in singles and doubles. May be taken twice for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 145 Beginning Golf

Choice and use of clubs, form to be used, rules and courtesies of golf.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 146 Intermediate Golf

Prerequisite: KIN 145.

Correction of errors in basic strokes with all clubs. Application of mechanical principles. Instruction concerning strategy used on different golf courses in variable weather. May be taken twice for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 147 Beginning Judo

Fundamental falling (ukemi), holding techniques (Katamewaza), basic mat and free exercises (mat randori), and history of judo.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 148 Intermediate Judo

Prerequisite: KIN 147 or Brown or Black Belt Ranking.

Basic throwing techniques of judo; all mat techniques required for third degree brown belt status (sankyu). May be taken twice for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

KIN 149 Self Defense

Prerequisite: KIN 147.

Introduction to self-defense techniques including combative and defensive stances and position, taisabaki movement, parries, counterattack movement, hold releases, attack techniques, and ground defense.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 200 Foundations of Education and Physical Education

Prerequisite: KIN 210; COM 115 with a "C" grade or better; and combined (Missouri State and transfer) GPA of 2.50 or better.

This course introduces the physical education major to the profession of education while focusing on the discipline of health and physical education in American education. It provides the prospective teacher/coach a knowledge base in the theoretical aspects of PK-12 education. Additionally, this course examines both the nature and history of the teaching profession, PK-12 school orientation, educational theories, and legal issues pertaining to the American educational institution. It also explores the nature of physical movement, as well as the breadth, scope, and significance of physical education and its role and relationship to the overall curriculum of the American public schools. Emphasis will be placed on professional competencies required for certification and professional development. This course also requires a twenty (20) hour observational experience, utilizing the Systematic Supervision Model, designed to explore professional teaching qualifications, cultural diversity, student needs, and school orientation with emphasis on training educators as reflective-decision makers. This observational experience will include both on-campus and approved PK-12 off-campus placement sites. As a portion of the course grade students will be required to satisfy the first checkpoint of the artifact development as required for the Professional Preparation Portfolio. A grade of "C" or better is required in this course for graduation. The Missouri State Board of Education entry examination must be taken during enrollment in this course. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

KIN 210 Healthy Lifestyles: Preventive Approaches

Prerequisite: 12 hours.

General Education Course (Focus on Public Issues).

This course introduces conceptual and practical information relating to the impact of lifestyle choices on the health and wellness of the individual and society. Students in this course study a variety of fitness-wellness topics while initially and summatively garnering personal fitness-wellness data in both academic and laboratory settings. Collected data are synthesized and critically appraised, resulting in the construction of individualized fitness-wellness programs implemented and periodically re-evaluated over the course of the semester via reflective journal writing; and periodic quizzes and examinations that tie lecture theories to laboratory practices in critical thinking-peer teaching contexts. Laboratory activities help the individual discover his/her needs for achieving and maintaining high level wellness.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

KIN 212 Introduction to Exercise Science

Orientation for students interested in exercise science. Various professional options will be discussed and research methodology in the field will be explored through applied examples. Exercise and Movement Science majors are required to earn a grade of "C" or better in this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

KIN 218 Organization and Administration of Intramurals

Prerequisite: 30 hours.

Organization and administration of an effective program of intramural activities for secondary and college levels.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

KIN 234 Sports Officiating

Procedures and requirements for registration as a Missouri State High School Activities Association (MSHSAA) Sports Official. Ethical standards and development of a philosophy for an official. Knowledge, rules and basic skills for officiating basketball, football, baseball, softball, track and field, volleyball, and wrestling. Students select a practicum experience in at least one sport.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	1	Fall, Spring

KIN 240 Creative Dance and Exploratory Activities for Children

Creative activities for movement and dance necessary for the physical development of elementary school students.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall, Spring

KIN 250 Applied Human Anatomy

Prerequisite: BIO 101 and 111, or BIO 121, or BMS 110 and 111.

Study of the structure of the human body with emphasis on the organ systems operational in effecting human movement. Integrating structural and biomechanical aspects of movement; focusing on functional anatomy using a systematic approach. A grade of "C" or better is required in this course in order to take KIN 360.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

KIN 252 Applied Human Physiology

Prerequisite: CHM 116 or CHM 160; and BMS 307 or a grade of "C" or better in KIN 250.

Study of the function and responses of each organ system in the body. Emphasis is directed toward a process of examining functional concepts requisite to critical assessment and description of human movement, exercise, sport and wellness. A grade of "C" or better is required in this course in order to take KIN 362.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

KIN 253 First Aid

First aid and civil defense knowledge; procedures in times of emergency, sickness, wounds, shock, poisoning, fractures, unconsciousness, stoppage of breathing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

KIN 256 Community Health

School, community, state, national and international health programs; their relationship to the student; major communicable and non-communicable diseases and community health.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

KIN 257 Personal Health

Health problems; factors that contribute to development and maintenance of health for the individual living in a contemporary, automated society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

KIN 260 Outdoor Leisure Education

Introduction to outdoor leisure skills. Selected outdoor education activities, e.g. orienteering, hiking, etc. Field trips required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall, Spring

KIN 261 Wrestling Techniques

Fundamental wrestling skills necessary for demonstration purposes in teaching-coaching situations. Recommended for men only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall

KIN 264 Team Sports

Fundamental skills and techniques of basketball, field hockey, soccer/speedball, softball and volleyball; emphasis on demonstration in teaching-coaching situations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

KIN 270 Recreational and Aerobic Dance Techniques

Fundamental skills in folk, square, social, and aerobic dance necessary for demonstration purposes in teaching situations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 273 Aquatics

Prerequisite: demonstrate swimming skill first day of classes.

Emphasis on stroke mechanics for swimming and basic diving. Development of the skills necessary to demonstrate in teaching-coaching situations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 277 Individual and Dual Sports

Fundamental skills and techniques of golf, racket sports, track and field, and tumbling/apparatus; emphasis on demonstration in teaching-coaching situations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

KIN 281 The Athlete's Diet

Instruction on the current research and concepts on diet and exercise performance, body weight and composition, fluid and electrolyte balance during exercise, and selected topics on proposed dietary ergogenic aids.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

KIN 282 Sports Conditioning

Instruction on the theory and practical aspects of designing and evaluating training and conditioning programs for competitive athletes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

KIN 286 Ethics and Diversity in American Sport

Prerequisite: 12 hours.

General Education Course (Focus on Public Issues).

This course introduces students to the current and pervasive ethical and diversity issues present in contemporary American sport. Particular attention is given to the practical application of decision-making processes and to the development of sensitivity to divergent views of ethical and diversity issues in sport settings (e.g., cheating, race, gender, disability, youth sport, ethical leadership.)

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

KIN 297 Special Topics

Special study of physical education or leisure skills. Variable content and variable credit course. May be repeated for credit to a maximum of 4 credit hours. Same topic may be repeated once for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

KIN 300 Teaching and Coaching Volleyball

Prerequisite: 60 hours.

Analysis of volleyball skills. Strengths and weaknesses of various offensive and defensive systems. Development of coaching and game plays, discussion of strategies, screening and selection of player personnel.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered
1	0	2	Fall, Spring

KIN 301 Teaching and Coaching Football

Prerequisite: 60 hours.

Analysis of football skills. Offensive and defensive systems applicable to varying skill levels. Analysis of game strategy, scouting, yearly organization. Training, recruiting and organization of coaching personnel and daily coaching plans.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 302 Teaching and Coaching Basketball

Prerequisite: 60 hours.

Analysis of basketball Skills. Factors which compose the game of basketball; analysis of varying offenses and defenses used in competition. Team selection, development and organization.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 303 Teaching and Coaching Track and Field

Prerequisite: 60 hours.

Analysis of track and field skills. Organization and development of a track and field team. Preparation and selection of athletes for competition. Practical application of meet management techniques.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 304 Teaching and Coaching Baseball

Prerequisite: 60 hours.

Analysis of baseball skills. Development of a baseball team, selection of players by position, team drills, offensive and defensive strategies, scouting, management of players.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 305 Teaching and Coaching Softball

Prerequisite: 60 hours.

Analysis of softball skills. Development of competitive softball team, player selection by position, team drills, offensive and defensive strategies, scouting and player management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

KIN 310 Philosophical and Historical Issues in Physical Education, Recreation and Sport

Prerequisite: ENG 110 and KIN 200 or REC 152; and 45 hours.

A writing intensive course focusing on the synthesis or philosophical and historically relevant material emanating from contemporary problems in physical education, recreation and sport. Writing tasks will involve the use of extensive research and critical analysis of major issues in the fields of physical education and recreation to bridge the gap between theory and practice. Areas of coverage will vary with the instructor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

KIN 335 Organization and Administration of Physical Education and Sport

Prerequisite: 60 hours.

Organizational procedures and management principles of sport and physical education programs. Directed coaching experience on campus and in the middle/secondary school setting is required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall, Spring

KIN 341 Physical Education for Elementary Teachers

Prerequisite: KIN 210.

Games, rhythms, material and methods utilized by elementary school classroom teachers to teach physical education.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

KIN 350 Health and Wellness Promotion

Principles and objectives of health and wellness promotion. Critical issues in health and wellness. The structure, function, and contribution of public, private, and voluntary agencies involved in health and wellness promotion. Individual and group factors related to the promotion, maintenance, and restoration of health. Exercise and Movement Science majors are required to earn a grade of "C" or better in this course. A grade of "C" or better is required in this course in order to take KIN 550.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

KIN 358 Health Education Methods

Methods, materials and resources for preparation, development and implementation of an effective school Health Education program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

KIN 359 Introduction to Biomechanics

Prerequisite: 30 hours and KIN 250 or permission.

Biomechanical concepts and principles related to fundamental movement skills, rhythmic activities, sport, and recreational pursuits in K-12 physical education settings. Application through movement analysis technology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

KIN 360 Kinesiology

Prerequisite: BMS 307 or grade of "C" or better in KIN 250.

Mechanics of sports and related activities; principles of motion, body movements, muscle action and joint mechanics in relation to human movement. Principles of anatomic and biomechanical analysis. A grade of "C" or better is required in this course in order to take KIN 468. A maximum of 4 credit hours will be granted for KIN 359 and KIN 360.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

KIN 361 Principles of Motor Learning in Physical Education

Prerequisite: BMS 307 or grade of "C" or better in KIN 250; and BMS 308 or grade of "C" or better in KIN 252.

Process by which motor skills are learned; individual variables which affect acquisition of motor skills; techniques of improving motor performance. Exercise and Movement Science majors and Physical Education majors are required to earn a grade of "C" or better in this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

KIN 362 Exercise Physiology

Prerequisite: BMS 308 or grade of "C" or better in KIN 252.

Physiologic effects of muscular activity under different intensities, durations and environments on the human organism. A grade of "C" or better is required in this course in order to take KIN 465, 468, 569 and BMS 563. Cannot not be taken Pass/Not Pass. Cannot receive credit for both KIN 362 and KIN 366.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

KIN 366 Exercise Physiology

Prerequisite: BMS 308 or grade of "C" or better in KIN 252.

Same course as KIN 362 except it does not include a laboratory component. Course counts on a coaching minor only and cannot count toward a physical education major. Cannot receive credit for both KIN 362 and KIN 366.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

KIN 370 Introduction to Safety Education

General safety education in the instruction program of elementary and secondary schools; accident causes and remedial action.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

KIN 371 Driver Task Analysis

Prerequisite: valid operator's license.

Prepares student to teach driver education in secondary school. Methods, lesson planning, psychophysical testing and driver education materials presented. Each student instructs one individual to operate an automobile.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

KIN 372 Developing Vehicle Operation Skills and Competencies

Prerequisite: KIN 371.

Acquaints the prospective driver education teacher with problems of automotive and traffic safety.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

KIN 373 Developing Classroom Knowledge

Prerequisite: KIN 371 and KIN 372.

Course provides students the opportunity to do an action research project with regard to knowledge and skills necessary to provide quality classroom instruction. successfully manage the on-street activities and provide for appropriate student evaluation. This course should be viewed as the culmination of the Driver Education endorsement.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

KIN 386 Social Basis of Physical Activity and Sport

Prerequisite: 60 hours.

Study of the growth and development of physical education, athletics and sports organization and their effect on participants, spectators, and communities in America since 1875.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

KIN 392 Coaching Practicum

Prerequisite: permission of instructor.

Students should have completed coursework or concentrated experience in an area selected for practicum. A practical experience which students can relate to coaching theory. The students are assigned to participate in coaching related activities on or off campus in the secondary schools for exposure to coaching philosophies, organization, methods and procedures for preparing athletes and athletic teams for competition. May be taken twice for credit. 1(0-2) or

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

KIN 400 Movement to Enhance Cognition: Elementary Physical Education for

Elementary Teachers

Prerequisite: concurrent enrollment in ELE 500 for 4 hours.

Games, rhythms, materials, and methods utilized by elementary school classroom teachers to teach physical education and integrate kinesthetic movement into classroom instruction.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring, Summer

KIN 402 Women In Sport

Prerequisite: 60 hours.

A survey of the role of women in sport and how they have developed to present status. Topics to be covered include women in the history of sport: athletic injury specific to women, care and prevention: physiology of the woman athlete and sport psychology for the woman athlete.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

KIN 405 Gender and Sport

An examination of sport as a major institutional locus for the historical and contemporary construction of gender relations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

KIN 411 Teaching of Secondary Physical Education

Prerequisite: KIN 264 and KIN 270 and KIN 273 and KIN 277 and KIN 360; and at least "C" grades in KIN 431 and KIN 440; and admitted to teacher education program; and combined (Missouri State and transfer) GPA of 2.75 or higher; and passed all sections of the Missouri State Board of Education entry examination.

Exploration of various teaching methods and selection of activities as they apply to secondary physical education. Unit planning, lesson planning and micro teaching of physical education activities. Second portfolio checkpoint and participation in clinical/field experiences in area secondary schools is required. A grade of "C" or better is required in this course in order to take KIN 493 or KIN 496. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

KIN 430 History and Philosophy of Physical Education

Prerequisite: KIN 200 and 75 hours.

Synthesis of historically relevant material emanating from contemporary problems in physical education and Sport. Use of critical analysis of physical education concepts in teaching to bridge the gap between theory and practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

KIN 431 Teaching K-4 Physical Education

Prerequisite: KIN 240 and KIN 264 and KIN 270; and admitted to Teacher Education Program; and combined (Missouri State and transfer) GPA of 2.75 or higher; and passed all sections of the Missouri State Board of Education entry examination.

Emphasis on current teaching methods, management skills, and curriculum development for teaching physical education to K-4 students. An on-campus lecture/lab and participation in clinical/field experiences in the area elementary schools. A grade of "C" or better is required in this course in order to take KIN 493 or KIN 496. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

KIN 440 Middle School (5-9) Physical Education

Prerequisite: KIN 240 and KIN 264 and KIN 270 and KIN 360; and admitted to Teacher Education Program; and combined (Missouri State and transfer) GPA of 2.75 or higher; and passed all sections of the Missouri State Board of Education entry examination.

Emphasis on current teaching methods, management skills, and curriculum development for teaching physical education in the middle school (5-9). An on campus lecture/lab and clinical/field experiences in area middle schools. A grade of "C" or better is required in this course in order to take KIN 493 or KIN 496. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

KIN 445 Teaching of Middle and Secondary Physical Education

Prerequisite: KIN 200, 240, 250, 252, 261, 264, 270, 273, 277, 360; and combined (Missouri State and transfer) GPA of 2.75 or higher; and pass all sections of the Missouri State Board of Education entry examination; and completion of 70 hours.

Course will include exploration of Mosston and Ashworth's teaching spectrum, teaching methods, and selection of activities. Emphasis will be placed on current teaching methodology, program content inclusive to MOSTEP and NASPE standards, scope and sequencing of physical activities, development of unit and lesson plans, and classroom management for middle and secondary school physical education. Also included will be discussions regarding legal issues and the attitudes and values surrounding middle and secondary education. Additional focus will be placed on curriculum development, implementation, and assessment of the curriculum process. To promote critical thinking and reflective decision making, a comprehensive field experience in both middle and secondary physical education settings is required. This course is credited only on the BS in Education degree. Students will be required to generate selected artifacts as required for completion of the Professional Preparation Portfolio. A grade of "C" or better is required in this course in order to enroll in KIN 493 or KIN 496. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall, Spring

KIN 465 Exercise Prescription: Strength and Conditioning

Prerequisite: "C" or better in KIN 362.

Physiology and biomechanics of strength training and conditioning. Topics include: testing and evaluation of athletics, resistance training techniques, training program design, and organization and administration of a strength training facility. This course is designed to prepare students to apply the skills needed to be a leader in strength and conditioning. Exercise and Movement Science majors are required to earn a grade of "C" or better in this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall, Spring

KIN 466 Physical Education for Intellectual Disabilities

Prerequisite: permission of instructor.

Identification and program development of physical activities for individuals with varying levels of intellectual disabilities. Laboratory is off campus.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

KIN 468 Adapted Physical Education

Prerequisite: grade of "C" or better in KIN 360 and in KIN 362; and cumulative GPA of 2.50 or better for EMS majors and a combined (Missouri State and transfer) GPA of 2.75 or higher for Physical Education majors.

Emphasizes nature and scope of physical, cognitive, and emotional disabilities; referral, placement, and programming in physical education; federal and state laws that pertain to the education and physical education of special populations; and instruction in the modification of motor and fitness activities, and therapeutic exercise. Three hours of directed practicum per week. Exercise and Movement Science majors are required to earn a grade of "C" or better in this course. A grade of "C" or better is required in this course in order to take KIN 493 or KIN 496. May be taught concurrently with KIN 668. Cannot receive credit for both KIN 468 and KIN 668.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall, Spring

KIN 485 Psychology of Sport and Physical Activity

Prerequisite: PSY 121.

Inquiry into the psychological implications of sport and physical activity participation in relation to motivation and behavior of the participant.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

KIN 490 Sports Practicum

Prerequisite: senior or graduate standing.

Short-term course updates physical educators in new developments within selected sport areas. Techniques of coaching and conditioning. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

KIN 491 Field Experience

Prerequisite: 80 hours and permission.

Supervised experience or internship in a cooperative program with business, government, community, clinical, or related establishments in exercise science, health, or health promotion. Credit will be based on the length and scope of the field experience/internship. May be repeated for credit but no more than 12 hours will be credited toward a degree. Exercise and Movement Science majors are required to earn a grade of "C" or better in this course. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-12			Fall, Spring, Summer

KIN 493 Supervised Teaching (Secondary Physical Education)

Prerequisite: completion of all method courses in physical education; and a grade of "C" or better in all professional education courses; and current pre-professional liability insurance; and completion of portfolio checkpoints 1 and 2; and a combined (Missouri State and transfer) GPA of 2.75 or higher; and approval for supervised teaching; and concurrent enrollment in KIN 496.

Student observes then teaches physical education classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5-6			Fall, Spring

KIN 496 Supervised Teaching (Elementary Physical Education)

Prerequisite: concurrent enrollment in KIN 493.

Student observes, then teaches physical education classes under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. The course will not count toward the major GPA. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5-6			Fall, Spring

KIN 498 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

KIN 499 Special Problems

Prerequisite: permission of department head.

Investigation of a problem within physical education, leisure services, dance, safety education, or coaching as assigned by members of the departmental faculty. May be repeated up to a maximum of 5 hours of credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Fall, Spring

KIN 500 Seminar in Physical Education

Prerequisite: 60 hours and permission of department head.

Directed reading and special investigation of selected subjects in physical education, health, and safety; research projects under faculty supervision. May be repeated for a maximum of 9 hours of credit. Variable content course. May be taught concurrently with KIN 600. Cannot receive credit for both KIN 500 and KIN 600. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

KIN 545 Perceptual and Motor Development

Prerequisite: PSY 360 or PSY 380 or PSY 385 or PSY 390 or CFD 160; and 90 hours.

Perceptual and motor development from prenatal life to adolescence; relationships of growth factors that influence motor abilities; difficulties that may arise when the normal course of development is interrupted. Includes a laboratory and a practicum experience. May be taught concurrently with KIN 645. Cannot receive credit for both KIN 545 and KIN 645.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

KIN 550 Organization and Administration for Kinesiology Professionals

Prerequisite: "C" grade or better in KIN 350.

This course will cover the fundamentals of program administration, legal considerations of health and exercise business management, and basic leadership responsibilities. This course will provide students the knowledge and skills associated with the resources required to implement health and physical activity programs and run exercise-related businesses. May be taught concurrently with KIN 650. Cannot receive credit for both KIN 550 and KIN 650.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

KIN 567 Physical and Leisure Activities for the Aging Adult

Prerequisite: KIN 250 or BMS 307; and KIN 252 or BMS 308.

The effects of aging and common degenerative diseases of the aged on physical performance and leisure. Included are units on assessment of physical working capacity, flexibility, body composition, strength maintenance. Also, units on selection of recreational and performance activities commensurate with functioning capacity. May be taught concurrently with KIN 667. Cannot receive credit for both KIN 567 and KIN 667.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

KIN 569 Health Appraisal and Exercise Testing Techniques

Prerequisite: "C" grade or better in KIN 362.

Introduction to appropriate health appraisal and exercise tests for the purpose of exercise programming and prescription. May be taught concurrently with KIN 669. Cannot receive credit for both KIN 669 and KIN 569. Exercise and Movement Science majors are required to earn a grade of "C" or better in this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

KIN 575 Measurement and Evaluation Applied to Physical Education

Prerequisite: 90 hours; and admitted to Teacher Education Program, and a combined (Missouri State and transfer) GPA of 2.75 or higher.

Use of authentic and traditional assessment techniques in assessing student performance and informing curricular change. Includes basic statistics, use of statistical software packages, evaluation of test validity and bias, and written test construction. A grade of "C" or better required in this course in order to take KIN 493 or KIN 496. Cannot be taken Pass/Not Pass. May be taught concurrently with KIN 675. Cannot receive credit for both KIN 575 and KIN 675.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

KIN 582 Motivational Interviewing for Health Professionals

Prerequisite: permission of instructor.

This is an advanced level course for students who have had an introduction into health behavior theories and are interested in working in the health field. Course content will include an exploration into the attitudes and motivations of personal health behavior and an in-depth exploration of motivational interviewing principles and applications. May be taught concurrently with KIN 582. Cannot receive credit for both KIN 682 and KIN 582.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

KIN 600 Seminar in Physical Education

Directed reading and special investigation of selected subjects in physical education, health, and safety; research projects under faculty supervision. May be repeated for a maximum of 9 hours of credit. Variable content course. May be taught concurrently with KIN 500. Cannot receive credit for both KIN 600 and KIN 500.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

KIN 645 Perceptual and Motor Development

Recommended Prerequisite: PSY 360. Perceptual and motor development from prenatal life to adolescence; relationships of growth factors that influence motor abilities; difficulties that may arise when the normal course of development is interrupted. Includes a laboratory and a practicum experience. May be taught concurrently with KIN 545. Cannot receive credit for both KIN 645 and KIN 545.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

KIN 650 Organization and Administration for Kinesiology Professionals

This course will cover the fundamentals of program administration, legal considerations of health and exercise business management, and basic leadership responsibilities. This course will provide students the knowledge and skills associated with the resources required to implement health and physical activity programs and run exercise-related businesses. May be taught concurrently with KIN 550. Cannot receive credit for both KIN 550 and KIN 650.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

KIN 667 Physical and Leisure Activities for the Aging Adult

The effects of aging and common degenerative diseases of the aged on physical performance and leisure. Included are units on assessment of physical working capacity, flexibility, body composition, strength maintenance. Also, units on selection of recreational and performance activities commensurate with functioning capacity. May be taught concurrently with KIN 567. Cannot receive credit for both KIN 667 and KIN 567.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

KIN 668 Adapted Physical Education

Prerequisite: Acceptance into the MS in Health Promotion and Wellness Management program, including accelerated option.

This course includes symptomology, sources of referral, typical behavior aberrations, and principles and problems related to the physical education of the exceptional child. Additional focus is placed on the modification of motor activities, general fitness activities, and therapeutic exercises for exceptional students. Three hours of directed practicum per week, totaling 30 hours, is required. May be taught concurrently with KIN 468. Cannot receive credit for both KIN 668 and KIN 468.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall, Spring, Summer

KIN 669 Health Appraisal and Exercise Testing Techniques

Introduction to appropriate health appraisal and exercise tests for the purpose of exercise programming and prescription. May be taught concurrently with KIN 569. Cannot receive credit for both KIN 669 and KIN 569.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

KIN 675 Measurement and Evaluation Applied to Physical Education

Use of authentic and traditional assessment techniques in assessing student performance and informing curricular change. Includes basic statistics, use of statistical software packages, evaluation of test validity and bias, and written test construction. May be taught concurrently with KIN 575. Cannot receive credit for both KIN 675 and KIN 575.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

KIN 682 Motivational Interviewing for Health Professionals

Prerequisite: permission of instructor.

This is an advanced level course for students who have had an introduction into health behavior theories and are interested in working in the health field. Course content will include an exploration into the attitudes and motivations of personal health behavior and an in-depth exploration of motivational interviewing principles and applications. May be taught concurrently with KIN 582. Cannot receive credit for both KIN 682 and KIN 582.

KIN 382 and KIN 382.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

KIN 705 Applied Statistics in Kinesiology

Prerequisite: HLH 700 or equivalent or permission of instructor.

Applications of descriptive and inferential statistics to research problems in Kinesiology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

KIN 733 Current Problems in Sports Administration

Identification, analysis, and evaluation of current problems, research and trends in sports administration.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

KIN 735 Administration of School Physical Education and Athletic Programs

Financial and legal aspects, personnel management, program development, public relations, and evaluation as they apply to physical education and athletics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

KIN 737 Curriculum Designs in Physical Education

A comprehensive inquiry of the principles underlying the curriculum of physical education in grades K-12. An in-depth analysis will be given to the problems in development and evaluation of physical education curriculum.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

KIN 739 Principles of Sports Management

Introduction to theories and principles of sports management as applied to all segments of the sports industry from high school, collegiate, professional and international sports, to health, fitness and recreational settings.

professional and international sports, to health, fitness and recreational settings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

KIN 755 Fitness as Preventive Medicine

Recommended Prerequisite: KIN 362 or equivalent. Development and implementation of scientifically-based fitness programs as vehicles of preventative medicine.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

KIN 759 Contemporary Health Problems

In-depth consideration of relevant pertinent health issues, trends, controversy, and current research in Health Education.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

KIN 760 Applied Biomechanics of Human Movement

Recommended Prerequisite: KIN 360 or equivalent. Biomechanical principles applied to the analysis of human motion and performance. Techniques of cinematography, computerized motion analysis and other methods of analysis will be used.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

KIN 762 Applied Exercise Physiology

Recommended Prerequisite: KIN 362 or equivalent. A study of the mechanisms underlying the body's physiological responses and adaptations to exercise and training. Application is made to health-related concerns, environmental stress, exercise practices, and the aging process.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

KIN 780 Legal Aspects in Sports, Physical Education, and Wellness Programs

The legal aspects in sports, physical education, recreation and wellness programs as related to personnel, facilities, participants, spectators

and contracts. Includes a review of legal concepts, necessary for in-depth study of the law, as it relates to sports, or other programmed activities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

KIN 781 Contemporary Issues in Physical Education

Exploration of basic issues and trends in physical education using a philosophical approach to contemporary American education. Individual problem solving will assist the student in identifying, analyzing and evaluating recent developments and basic issues in physical education and sport.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

KIN 795 Research Project

Prerequisite: HLH 700 or equivalent; a statistics course; and permission of graduate coordinator.

Original research supervised by the departmental staff. Designed to enable students through firsthand experience to understand the various parts of research papers, methods of gathering data, appropriate statistical tests, interpretation of findings and implications for further study.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

KIN 797 Graduate Seminar

Selected topics in health, physical education, and recreation. Topics may vary from semester to semester. May be repeated for credit when topic varies. A total of 6 hours may be applied to a degree program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

KIN 798 Field Experience in Sports Management

Prerequisite: completion of the application process for the field experience and 12 credits in the certificate program.

The Field Experience is the culminating experience for all students in the certificate program. The field experience provides students the opportunity to become directly involved in the application of organizational and sport management skills in sport related venues. Possible sites include: professional or club sports teams, university athletic departments, sports sales, sports agencies, professional and university sports facilities. Selection is dependent on the students' background and career expectations. All required courses must be completed in order to be eligible. The field experience can be completed during the fall, spring, or summer and requires at least 400 hours. All field experiences must be approved by the internship coordinator.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Upon demand

KIN 799 Thesis

Prerequisite: HLH 700 or equivalent; a statistics course; and permission of graduate coordinator.

Independent research and study connected with the preparation of a thesis. May be repeated but no more than 6 hours may be counted toward degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

Radiography (RAD) courses

RAD 110 Introduction to Radiologic Technology

An introduction to the field, orientation to hospital and school policies, history, and fundamentals of radiography, basic radiation protection, professional ethics, patient care, nursing procedures, and basic cardiac life support (CPR).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

RAD 120 Radiographic Anatomy

An introduction to human anatomy with a detailed study of the structure of the human skeletal system with special emphasis on radiographic landmarks.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

RAD 130 Radiographic Procedures I

Fundamentals of radiographic procedures and terminology. This course includes all routine positions and a discussion of the resulting radiographic projections. Includes image analysis, lab demonstrations, practice, and lab evaluations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	3	Upon demand

RAD 140 Medical Terminology

A structural analysis of word roots, suffixes, and prefixes for terms pertinent to the medical field with an emphasis on radiologic technology.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

1	1	0	Upon demand

RAD 150 Radiologic Science I

A study of the fundamentals of atomic theory, basic electricity and x-ray circuitry, construction of x-ray tubes, the production of x-radiation, and interactions of x-radiation with matter.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

RAD 160 Radiographic Procedures II

Advanced procedures and positioning techniques with emphasis on trauma and special views of bony anatomy. Includes image analysis, lab demonstrations, practice, and lab evaluations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

RAD 170 Image Processing

A study of the equipment, materials, and procedures used to produce radiographic images to include quality control procedures and image analysis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

RAD 180 Radiographic Imaging I

A study of the formation of radiographic images to include a discussion of the image devices, exposure factors, and the geometric properties of the x-ray beam. Methods of improving image quality, reducing patient exposure to ionizing radiation, and image analysis are also included.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

RAD 190 Practicum I

First-year student clinical training. Duties begin under the direct supervision of the Registered Technologists. This will involve duties

performed by a practicing technologist including the following: routine radiography, tomography, fluoroscopy, digital imaging, portable

radiography, trauma radiography, and surgical radiography. Also included is an extensive clinical competency and performance evaluation system.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
7	1	12	Upon demand

RAD 310 Radiologic Physiology

Normal structure and function of human systems with emphasis on related radiographic examinations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

RAD 315 Radiologic Pathology

The study of human disease to include disease etiology, diagnosis, clinical interpretation and treatment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

RAD 320 Radiographic Procedures III

A comprehensive study of examinations utilizing contrast media to visualize various aspects of the digestive and urinary systems. Includes image analysis, lab demonstrations, practice, and lab evaluations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

RAD 330 Radiographic Procedures IV

A general overview of the examinations requiring special techniques and/or contrast agents. Special emphasis is placed on new modalities or procedures that may have replaced these examinations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

RAD 340 Contrast Agents

A general study of contrast agents and pharmacology, including types, uses, patient reactions, and emergency treatment for reactions. The

A general study of contrast agents and pharmacology, including types, uses, patient reactions, and emergency treatment for reactions. The basic techniques of venipuncture are included.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

RAD 350 Radiographic Science II

An in-depth study of radiation biology to include the effects of ionizing radiation on living tissues, organs, and systems. Advanced study of radiation protection principles and regulations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

RAD 360 Radiographic Imaging II

A study of specialized imaging technologies to include fluoroscopy, digital imaging, tomography, and other modalities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

RAD 370 Radiographic Procedures V

An introduction to advanced procedures to include: interventional technology, computerized tomography, diagnostic medical sonography, nuclear medicine, radiation therapy, and magnetic resonance imaging. Includes resume and cover letter writing and the job interview process.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

RAD 380 Practicum II

Second-year clinical training includes a continuation of first-year duties with increased responsibilities under supervision of Registered Technologists. Rotations will include but may not be limited to: interventional technology, cardiac cath lab, computed tomography, nuclear medicine, diagnostic medical sonography, radiation therapy, and magnetic resonance imaging. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
8	1	14	Upon demand

Recreation, Sport, and Park Administration (REC) courses

REC 152 Introduction to Recreation, Sport, and Park Administration

Implications of leisure values in society and the role that organizations, agencies, institutions and municipalities have played in the recreation, sport, and park industries. Theories, concepts, and philosophies of leisure and recreation in society. A survey of the career opportunities in the recreation, sport and park venues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 160 Outdoor Initiatives

This course is designed to give the student an experiential exposure to the processes of facilitating individual and group outdoor initiatives. Students will be actively involved in a weekend course experience which includes individual and group activities, initiative games, trust building activities and low and high ropes activities. Concepts of dynamic group leadership, facilitation skills, group decision making and problem solving as well as personal development will be incorporated in the weekend experience.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

REC 161 Basic Low Impact Camping

Prerequisite: permission of instructor.

This course is designed to provide the students with practical skills in camping. Basic campcraft skills such as toolcraft, firecraft, ropecraft, outdoor cooking, map and compass will be included with a minimum impact camping orientation. Skills will be taught with an emphasis on appropriately leading others in outdoor settings and with safety and risk management considered. Field trips required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

REC 190 Applied Social Recreation

Applied approach to developing leadership skills in games, activities, contests and social recreation activities. Activity analysis as applied to expected outcomes, instructional techniques, age appropriateness, and activity leadership skills is emphasized.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

REC 200 Inclusion and Diversity in Recreation, Sport, and Park Administration

Prerequisite: REC 152 or concurrent enrollment.

The course is designed to orient the student to the broad implications of inclusive recreation, sport, and park administration: programs and services for people of all ages, abilities, cultures, ethnicities, genders, races, and religion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 205 Concepts in Therapeutic Recreation

Prerequisite: REC 152 or concurrent enrollment.

Orientation to the broad applications of clinical and community based therapeutic recreation approaches to programs and services for individuals with disabilities. Specific considerations given to mental retardation, developmental disabilities, mental illness, physical disabilities, aging, juvenile and adult corrections.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 210 Camp Counseling

Overview of the camping movement in America, the role of the counselor, and the personal development of the camper.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

REC 211 Principles of Outdoor Recreation

An analysis of the history, nature, and importance of the outdoor recreation field. An overall view of outdoor recreation philosophy based on legislation, theory, geographic factors, land use, and open space factors. Field trips may be required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 235 Adaptive Recreation Techniques Equipment

The identification of techniques associated with the utilization of adapted and modified recreational and personal aids, appliances, and equipment utilized in leisure pursuits by individuals with physical impairments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

REC 300 Service Learning in Recreation, Sport, and Park Administration

Prerequisite: 30 hours and concurrent registration in a communication course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in recreation, sport, and park administration to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

REC 301 The Role of Animals in Recreation

In rural or urban, public or private settings, humans are attracted to domestic or wild animals as a recreation activity...keeping, observing, showing, breeding, harvesting, capturing, fighting, training, and riding. This is a seminar course that will offer the student an opportunity to make a critical survey of the "recreational role of animals" in society (for persons with or without disability) as well as its surrounding commercial recreation industry and technology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

REC 302 Ecotourism

Students will gain an appreciation for ecotourism as a recreation experience. The course will examine our local ecotourism resources and compare them to the international trends and issues related to ecotourism, models of tourism and recreation planning, and ecotourism, especially focusing on the issue of sustainability. Field trips required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 303 Recreational Tourism Frontiers

This is a seminar course that will offer the student an opportunity to make a critical survey of current trends and issues (some controversial) in the field of recreational tourism. Recreational trends such as health, sport, festivals, gambling, genealogy/reunions, incentive travel, adventure, contests/shows/meetings, heritage/nostalgia, tourism for the disabled, nature, arts, farm/home visits and more...seem to be on the cusp of popularity. Students will examine practices, resources, delivery systems, ethics, career development issues, literature, and research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

REC 304 Community Recreation and Tourism

This course focuses on inventory, survey, assessment, and promotion of products/services of community recreation resources for visitors

This course focuses on inventory, survey, assessment, and promotion of products/services of community recreation resources for visitors and residents. Students will learn how tourism is an important component of community recreation programming.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

REC 305 Meeting Planning

This course presents concepts necessary for the meeting planner to successfully solicit/develop and manage conventions and special events, commonly participated in during leisure time. Techniques of delivery, planning, managing and assessing economic impact, as well as highlighting the role of the convention and visitors bureau as a catalyst for regional leisure economic development of business travel will be included. As an elective, this course is for students in recreation, communications, marketing, and other fields. Though the course makes reference to the hotel industry, it is taught from the perspective of the meeting planner.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 307 Outdoor Pursuits-Land

Prerequisite: permission of instructor.

Skill development in outdoor recreation land-based activities (hiking, bouldering, caving, backpacking, etc.) and related environmental practices. Focuses on outdoor leadership development. Field trips and overnight educational outings may be required. Students are responsible for their own transportation to off-campus meetings. Students in the Parks and Outdoor Recreation emphasis will have additional course cost related to specific gear and clothing related to their profession.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

REC 309 Outdoor Pursuits-Water

Prerequisite: permission of instructor.

Skill development in outdoor recreation water-based activities (canoeing, kayaking, etc.) and related environmental practices. Focuses on outdoor leadership development. Students are responsible for their own transportation to off-campus meetings. Field trips and weekend educational outings required. Students of the Parks and Outdoor recreation emphasis will have additional course costs due to the gear and clothing required by their profession.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

REC 311 Outdoor/Adventure Education

The scope, methods, and importance of using the outdoors as a teaching tool for both individual and group education settings. Field trip(s) required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 315 Introduction to Private/Commercial Recreation

Overview of the spectrum of private planning, delivery and assessment of goods and services in the private and commercial sector.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 320 Fundamentals of Tourism

Geographical and recreational elements of tourism and travel including social, economic, environmental and political factors. Career options will be identified. Students participate in tourism research projects. One field trip may be required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

REC 325 Leisure Education

This course is designed to identify and experientially implement the concept of leisure education and examine individual interview techniques, group process approaches, techniques, and strategies, and other appropriate materials facilitating the leisure education process.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 328 Statistical Applications in Recreation, Sport and Park Administration

Prerequisite: 30 hours and completion of General Education mathematics requirement.

Introduction to statistical applications most commonly used in recreation, sport, and park administration services research; analysis, interpretation and presentation of data related to recreation, sport, and park administration services; particularly measures of central tendency and dispersion, elementary probability, probability distributions, sampling, standard error, interval estimation, and hypothesis testing. Cannot receive credit toward a degree for more than one of the following courses: AGR 330, IPE 381, MTH 340, PSY 200, QBA 237, SOC 302.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 330 Leisure Research Applications

Prerequisite: REC 152 and REC 328.

An overview of the purpose, basic procedures, research designs, and computer applications in leisure research. Familiarization with and interpretation of research literature in the field of recreation, sport, and park services.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 335 Recreation, Sport, and Park Administration Practicum

Prerequisite: REC 152 and REC 190 and REC 205; and permission of practicum instructor.

A practical experience which the student can relate to classroom theory. Students are assigned to recreation, sport, and park administration agencies for exposure to structure, programming, and philosophy of the cooperating agency. Practicum experience must be a minimum of 100 hours. Students should report to the Recreation, Sport, and Park Administration office at least six (6) months prior to the semester the practicum is desired. May be repeated once for credit but each practicum must be in a different recreation, sport, and park administration agency. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Fall, Spring, Summer

REC 390 Recreation Programming

Prerequisite: REC 152 and REC 190 and REC 205 and 60 hours.

Students will examine various program areas and various approaches to program determination; development process for program planning, and gain experience in brochure and survey development.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 400 Therapeutic Recreation Foundations

Prerequisite: REC 205; and either KIN 250 or BMS 307 or concurrent enrollment.

Acquaint students with history, philosophy, theories, principles, concepts, techniques, and skills in the provision of therapeutic recreation programs and services.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

REC 401 Therapeutic Recreation Assessment Evaluation, Intervention

REC 401 Therapeutic Recreation Assessment Evaluation, Intervention Techniques and Modalities

Prerequisite: REC 400.

Focuses on use of assessment, evaluation, and facilitation technique in the delivery of treatment program modalities commonly found in therapeutic recreation practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

REC 405 Camp Administration

A study of the techniques and principles involved in the administration of modern camps.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 406 Promoting Leisure Services

Prerequisite: REC 152.

To provide the Recreation, Sport, and Park Administration students with an emphasis in Recreation Management or Sport Administration with an overview of low-cost strategies of planning and executing promotion for non-profit, government and profit making leisure services. Emphasis will be made on working with non-profit organizations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 410 Recreation Leadership Supervision

Prerequisite: REC 152 and REC 190 and REC 205 and 60 credit hours.

A study of the processes, methods, and characteristics of leadership and supervision in the delivery of leisure services.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 411 Outdoor Pursuits

Prerequisite: permission of instructor.

To acquaint the student with a variety of outdoor pursuit activities. Skill development, environmental values and impact considerations of outdoor experiences will be emphasized. Field trips and a weekend educational outing required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

REC 415 Risk Management for Recreation, Sport, and Park Agencies

Prerequisite: 75 hours.

This course is designed to look at the various risk management concepts, laws, and administrative practices that address the legal environment of recreation, sport, and park agencies within the scope of our legal culture. Our Constitution, legal liability related to safe environs, crowd control, transportation, employee rules and regulations, workplace risk, and the general management of risk situations and aspects will be the central core of this course. May be taught concurrently with REC 415. Cannot receive credit for both REC 415 and REC 615.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 420 Trends and Issues in Therapeutic Recreation

Prerequisite: REC 401; and either KIN 252 or BMS 308 or concurrent enrollment.

Designed to focus on contemporary issues, trends, practices, and professional literature, media resources, and research related to the delivery of therapeutic recreation services.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

REC 422 Recreation Facility and Area Management

Prerequisite: admission to the Recreation, Sport, and Park Administration program (major or minor); and 90 hours; and REC 390.

Elements of locating, planning, developing, maintaining, and financing various recreation facilities and areas management. Study of management principles and responsibilities applicable to leisure settings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 423 Administration of Recreation, Sport, and Park Agencies

Prerequisite: admission to the Recreation, Sport, and Park Administration program (major or minor); and 90 hours; and REC 390.

This course is usually taken with REC 422. Presentation of administrative principles of leisure oriented agencies. Specific approaches to financing, personnel budgets, facility operation, policy development, departmental structure, public relations, legal aspects, and evaluation procedures are presented. May be taught concurrently with REC 623. Cannot receive credit for both REC 423 and REC 623.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 451 Outdoor Leadership

Prerequisite: permission of instructor.

This course emphasizes experiential teaching/learning using the Wilderness Education Association curriculum under field conditions which builds upon the student's prior outdoor study and experience. The result is a practical group experience in the outdoors spent enjoyably and safely with minimum harm to the environment. This environmental stewardship course stresses leadership, decision making, low impact camping, sound expedition behavior and environmental ethics. Field trips will be required. May be repeated once. May be taught concurrently with REC 651. Cannot receive credit for both REC 451 and REC 651.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall, Spring, Summer

REC 490 Orientation to Internship

Prerequisite: permission of instructor.

Orientation to the internship experience, including the student application process, the agency application and contractual agreement, the expectations of the University, the responsibilities of the student and the agency, appropriate completion of logs, planned experiences, time summaries and assigned problems. Students planning to intern in the Spring semester must enroll in this course during the preceding Fall semester, and students planning to intern in the Summer or Fall semesters must enroll in this course during the preceding Spring semester.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

REC 491 Recreation, Sport, and Park Administration Internship

Prerequisite: complete all other coursework (including General Education Program, major(s), minors(s), if applicable, and all general baccalaureate degree requirements); and cumulative Missouri State GPA of at least 2.20; and first-aid and CPR competency met and maintained current throughout internship; and permission of internship coordinator.

Supervised field experience which provides the student with an opportunity to make the transition from the classroom to actual involvement in a leisure service agency. In addition to the 10 week (optional 15 week) involvement, students are required to (l) meet with the Recreation, Sport, and Park Administration internship coordinator during the preceding semester to secure an internship site and clarify internship responsibilities, and (2) complete a notebook during the internship. Credit will be based on the length of the internship period and students receive either 8 hours or 12 hours. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
8-12			Fall, Spring, Summer

REC 495 Seminar in Recreation, Sport, and Park Administration

Prerequisite: permission of instructor.

Study of various recreation, sport, and park administration topics from contemporary and/or technical points of view. Students should check the current class schedule to determine the topic. May be repeated, provided the topic is different, to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

REC 499 Special Problems

Prerequisite: permission of Recreation, Sport, and Park Administration Program Director.

Directed reading or special investigation of a particular problem within the field of recreation, sport, and park administration and research projects under faculty supervision. May be repeated up to a maximum of 5 hours of credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Fall, Spring, Summer

REC 615 Risk Management for Recreation, Sport and Park Agencies

This course is designed to look at the various risk management concepts, laws, and administrative practices that address the legal environment of recreation, sport, and park agencies within the scope of our legal culture. Our Constitution, legal liability related to safe environs, crowd control, transportation, employee rules and regulations, workplace risk, and the general management of risk situations and aspects will be the central core of this course. May be taught concurrently with REC 415. Cannot receive credit for both REC 415 and REC 615.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 623 Administration of Recreation, Sport, and Park Agencies

Presentation of administrative principles of leisure-oriented agencies. Specific approaches to financing, personnel budgets, facility, operation, policy development, departmental structure, public relations, legal aspects, and evaluation procedures are presented. May be taught concurrently with REC 423. Cannot receive credit for both REC 423 and REC 623.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

REC 651 Outdoor Leadership

Prerequisite: permission of instructor.

This course emphasizes experiential teaching/learning using the Wilderness Education Association curriculum under field conditions which builds upon the student's prior outdoor study and experience. The result is a practical group experience in the outdoors spent enjoyably and safely with minimum harm to the environment. This environmental stewardship course stresses leadership, decision making, low impact camping, sound expedition behavior and environmental ethics. Field trips will be required. May be repeated once. May be taught concurrently with REC 451. Cannot receive credit for both REC 451 and REC 651.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

Respiratory Therapy (RTH) courses

RTH 111 Fundamentals of Respiratory Therapy I

Topics in medical terminology, function of the respiratory system including: ventilatory mechanisms, gas transport in the blood and regulation of ventilation. Medical gas delivery devices will be considered with classroom knowledge being used to develop skills in the clinical setting.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Upon demand

RTH 112 Fundamentals of Respiratory Therapy II

A continuation of fundamentals with major emphasis and topics of aerosols, humidity, equipment maintenance, IPPB therapy and asepsis techniques.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Upon demand

RTH 113 Fundamentals of Respiratory Therapy III

Ventilatory insufficiency and failure, mechanical ventilation, and chest physio-therapy. Skills and techniques are developed in the clinical setting.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Upon demand

RTH 311 Pulmonary Functions

Application of specialized diagnostic facilities including pulmonary function and blood gas analysis. Approach and application of fundamental skills are extended to primary intensive care facilities of the participating institution.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2			Upon demand

RTH 313 Clinical Application of Acid-Base Balance

Prerequisite: RTH 311.

Acid-Base Homeostasis is related to clinical therapeutics. Topics include expired gas analysis, hemodynamics, biomedical instrumentation of biostatistical analysis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

RTH 350 Respiratory Therapy Pharmacology

Provides the student with the skills and knowledge for the safe usage of therapeutic drugs. An introduction to the general principles and mechanisms of drug actions, interactions, and toxicity of the use of therapeutic drugs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2			Upon demand

RTH 352 Pathology and Chest Disease

Physio-pathology of respiratory disease states as they relate to normal structure.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2			Upon demand

RTH 360 Respiratory Therapy Practicum

Departmental responsibilities including principles and practices of planning, directing and evaluating a respiratory therapy department.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

RTH 361 Respiratory Physiology

In-depth study and analysis of ventilation, the response to chemical and gaseous agents and manifestation and diagnosis and treatment of pulmonary disease.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2			Upon demand

RTH 370 Advanced Clinical Techniques

Prerequisite: permission of instructor.

Selected topics in the use of biomedical electronic and health related equipment as applied to Respiratory Therapy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Upon demand

RTH 371 Cardiovascular Physiology

A course describing detailed anatomy and physiology of the cardiovascular system. Topics included are: neurogenic and histogenic homeostasis, shock, disease processes and diagnostic testing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

RTH 380 Special Studies in Respiratory Therapy

Provides the student with the opportunity for advanced work in a specialty area on an individual basis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Upon demand

RTH 381 Clinical Practicum in Respiratory Care

Supervised practical application of various respiratory care procedures performed in clinical settings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

RTH 382 Clinical Practicum in Respiratory Care

Prerequisite: RTH 381.

Supervised practical application of various respiratory care procedures performed in clinical settings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

RTH 383 Clinical Practicum in Respiratory Care

Prerequisite: RTH 382.

Continuation of RTH 382.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

MAKE YOUR MISSOURI STATEMENT.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Coaching

Minor(s)

Coaching (for Non-Physical Education Majors)

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

A. ATC 222(2); KIN 250(3), 335(2), 360(4), 366(3), 392(1), 485(2)
B. Select two courses from: KIN 300(1), 301(1), 302(1), 303(1), 304(1), 305(1)

MAKE YOUR MISSOURI STATEMENT

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Missouri State

Office of the Registrar
Undergraduate Catalog

Exercise and Movement Science

Major(s)

Exercise and Movement Science (Comprehensive)

Bachelor of Science

Admission requirements

Satisfaction of the following minimum criteria is required for admission to the program:

1. A valid ACT score on file if required by the University for admission purposes
2. A combined (Missouri State and transfer) GPA of 2.50 or higher
3. Completion of COM 115 with a grade of "C" or higher, or concurrent enrollment in COM 115
4. Completion of at least 30 credit hours

Program requirements

A. General Education Program and Requirements
Specific General Education Requirements: BIO 101(3) and 111(1), or BIO 121(4), or BMS 110(3) and 111(1); CHM 116(4) and 117(1) for Health Studies option or PHY 123(4) for Pre-Professional option; PSY 121(3); KIN 210(3)

B. Major Requirements:
1. Core Requirements (48-50 hours): Note: a grade of "C" or better is required in all KIN courses.
BIO 101(3) and 111(1), or BIO 121(4), or BMS 110(3) and 111(1); PSY 121(3); KIN 250(3) or BMS 307(4); KIN 252(3) or BMS 308(4); KIN 212(1), 350(3), 360(4), 361(2), 362(4), 465(2), 468(4), 569(4); ATC 222(2) or KIN 253(2); BMS 240(3); PSY 200(3) or SOC 302(3) or MTH 340(3) or QBA 237(3) or AGR 330(3) or PSY 527(3); KIN 500(3) or KIN 491(3).
2. Public Affairs Capstone Experience will be fulfilled by completion of KIN 500(3) or KIN 491(3).
3. Select one of the following options:
   a. **Health Studies** (26-27 hours): Note: a grade of "C" or better is required in all KIN courses.
   CHM 116(4) and 117(1); KIN 256(2) or 358(3); KIN 257(2), 485(2), 550(3), 567(3); BMS 334(3); PSY 508(3); SWK 330(3)
   b. **Pre-Professional** (30-36 hours): MTH 138(5) or 181(3) or 261(5) or 287(3); PHY 123(4); CHM 160(4) and 161(1); CHM 170(3) and 171(1) or CHM 352(3) and 353(2); CHM 201(3) and 202(2) or CHM 342(3) and 345(2); BIO 122(4) or BIO 212(2) and 213(1) or BIO 312(3) and 313(2); BMS 230(3) or BIO 235(3) and 236(1) or PHY 124(4); PSY 304(3)
   Students selecting the Pre-Professional option should meet with an advisor to determine the most appropriate course selection. Those preparing for possible selection into a physician assistant program should take both CHM 170(3) and 171(1), and both CHM 352(3) and 353(2). Students preparing for clinical science should take BMS 307(4) and 308(4) for the anatomy and physiology requirement
4. Students must pass the ACSM Certified Exercise Physiologist Exam, or the NSCA Certified Strength and Conditioning Specialist Exam, or score at least at the 70th percentile on a major field achievement exam.
5. Students must pass a drug test and a background check to participate in required field experiences in clinical settings, in the workplace, and/or in schools.
6. Student certification in first aid and CPR must be documented and maintained throughout the program.
7. Transfer credit courses must have grade of "C" or better and be from a regionally accredited college or university.
8. A combined (Missouri State and transfer) GPA of 2.50 or higher and a grade of "C" or better in all KIN courses is required for graduation.

C. General Baccalaureate Degree Requirements

Accelerated graduate program in Health Promotion and Wellness Management

Eligible Missouri State undergraduate students may apply for admission to the Health Promotion and Wellness Management program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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https://www.missouristate.edu/registrar/catalog/prog-exercise-and-movement-science.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Physical Education

Major(s)

Physical Education

Bachelor of Science in Education (Certifiable K-12)

Missouri State University is approved by the Missouri State Board of Education to offer basic and advanced professional education programs for purposes of professional certification. Admission to the University does not automatically qualify a student to participate in the professional component of the teacher education program. A high level of academic and professional competence is required for admission to and continuation in the teacher education program. Completion of the program is designed to lead to certification to teach in Missouri public schools.

Students majoring in Physical Education are encouraged to participate in athletics, recreational sports, and/or engage in personal physical fitness programs.

Students who complete the degree requirements for the Bachelor of Science in Education in Physical Education are certified to teach physical education and professionally qualified to coach.

All students pursuing Missouri certification are required to meet a series of Transition Points that will be assessed, evaluated, and monitored throughout the teacher education program with assistance and guidance from faculty. There are five distinct Transition Points students meet from entry to their education program to follow up post graduate training.

Completion of certification requirements is a four-step process. Students who receive a certification recommendation must meet the standards for certification eligibility as outlined below:

A. **Requirements for Eligibility to Enroll in KIN 200:** Before a student can enroll in KIN 200 the following eligibility requirements must be met:
   1. A combined (Missouri State and transfer) GPA of 2.50 or higher
   2. Completed COM 115 with a minimum grade of "C" or concurrent enrollment in COM 115.
   3. Completed KIN 210.
   4. Completed at least 30 semester hours.
   5. Completion of Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI Fingerprinting Background Check prior to any clinical experience placement. For more information, refer to Compliance Documents Required for Practicum, Internship or Student Teaching.

B. **Requirements for Admission to Physical Education Teacher Education (PETE) Program:** Students who plan to complete teacher certification requirements must be admitted to the PETE Program. Eligibility is automatically monitored when enrolling in KIN 200. Admission to the PETE Program is required before students are allowed to begin additional courses in the Physical Education Teacher Education component. Student application for admission to the PETE Program is complete when the requirements listed below are satisfied. Note: All of these requirements must be met before students are permitted to enroll in Physical Education Professional Education courses (KIN 411, 431, 440, 468, and 575)
   1. A combined (both Missouri State and Transfer) GPA of 2.75 or higher
   2. Earned a composite score of 20 or better on the ACT or earned passing scores on all four sub-sets of the Missouri General Education Assessment (MoGEA). Refer to the MoGEA website for details.
   3. Completed COM 115 with a minimum grade of "C"
   4. Completed KIN 200 with minimum grade of "C"

5. Purchased and activated a subscription to Taskstream (comprehensive portfolio system)
6. Completion of Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI Fingerprinting Background Check prior to any clinical experience placement. For more information, refer to Compliance Documents Required for Practicum, Internship or Student Teaching.
7. Completed Disposition Checklist and Student Contract
8. Complete at least 45 semester hours
9. Upon completion of the above requirements, a student's record is reviewed and submitted to the Educator Preparation Provider Council (EPPC) for admission to Teacher Education. A student's qualifications for continuance in the Teacher Education Program is subject to review and change by the EPPC at any time while the student is enrolled.

C. **Requirements for Continuance in the PETE Program:** In order to progress through the PETE program a student must:
1. Maintain a combined (Missouri State and transfer) GPA or 2.75 or higher
2. Maintain a combined (Missouri State and transfer) GPA of 3.00 or higher in the major
3. Complete Physical Education Professional Education courses with a minimum grade of "C"
4. Been admitted to the degree program

D. **Requirements for Assignment to Supervised Teaching (effective Fall 2017 and after):** The criteria used to determine eligibility for Supervised Teaching are outlined below. The student must have:
1. Been admitted to the PETE Program and completed Transition Point #1 and Transition Point #2
2. A combined GPA of 2.75 or higher for all college level course work completed
3. Current and valid TB test
4. Current and valid Professional Liability Insurance
5. Completion of Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI Fingerprinting Background Check prior to any clinical experience placement. For more information, refer to Compliance Documents Required for Practicum, Internship or Student Teaching.
6. Completed at least 15 hours at Missouri State
7. Completed all courses in the major with a combined (Missouri State and Transfer) GPA of 3.00 or higher
8. Completed all Physical Education Professional Education courses with a minimum grade of "C"
9. Recommendation of student's advisor
10. Recommendation of Department of Kinesiology

E. **Requirements for Certification Recommendation (effective Fall 2017 and after):** To be recommended for an initial Missouri teaching certification the student must have:
1. Successfully completed Supervised Teaching
2. Met all Missouri teacher certification requirements which are in effect at time of certification
3. A combined (Missouri State and transfer) GPA of 2.75 or higher
4. Completed all professional education courses with a combined (Missouri State and transfer) GPA of 3.00 or higher and no grade lower than "C".
5. A combined (Missouri State and transfer) GPA of 3.00 or higher in the certificate subject area (major)
6. Successful completion of Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education. Refer to the MEGA website for details.
7. Completed Transition Point #3
8. The Missouri Department of Elementary and Secondary Education will require in FBI background check prior to issuing a certificate.

Program Requirements

A. General Education Program and Requirements
Specific General Education Requirements: BIO 101(3) and 111(1) or BIO 121(4); CHM 116(4)

B. Major Requirements. A grade of "C" or better is required in each of the following courses.
1. ATC 222(2); KIN 200(3), 210(3)*, 240(2), 250(3), 252(3), 253(2), 257(2), 260(2), 264(2), 270(1), 273(1), 277(2), 335(2), 358(3), 359(3), 361(2), 362(4), 386(3), 411(3), 430(3), 431(3), 440(3), 468(4), 485(2), 545(3), 575(3)
2. Select two courses form: KIN 300(1), 301(1), 302(1), 303(1), 304(1), 305(1)
3. Public Affairs Capstone Experience will be fulfilled by completion of KIN 493(5-6); KIN 496(5-6).
**KIN 210 may be used to meet General Education-Focus on Public Issues requirement.*

C. Professional Education Courses. A grade of "C" or better is required in each of the following courses.
1. EDC 345(3); PSY 360(3); RDG 474(3), KIN 493(5-6); KIN 496(5-6)
2. The following major core requirements will meet the Professional Education competencies as required for certification: KIN 200(3), 411(3), 431(3), 440(3), 468(4), 575(3)

D. General Baccalaureate Degree Requirements

Missouri State Teacher Certification

Driver Education

(Certifiable grades 9-12, additional endorsement only)

Students who complete the Bachelor of Science in Education degree with a major in Secondary Education or K-12 Physical Education may receive Missouri state certification in Driver Education grades 9-12 by completing the following courses: KIN 370(3), 371(3), 372(3), and 373(3). In order to meet Missouri State teacher certification requirements, all candidates for the Bachelor of Science in Education degree must have a combined (Missouri State and transfer) GPA of 3.00 or above in the certificate subject area which includes all courses previously listed.

Health Education

(Certifiable grades K-9, K-12, 9-12, additional endorsement only)

Students who complete the Bachelor of Science in Education degree with a major in Physical Education may receive Missouri state certification in Health Education grades K-9, K-12, or 9-12 by completing the following courses: BMS 307(4) or KIN 250(3), BMS 308(4) or KIN 252(3), or equivalents; CFD 163(3); BMS 130(3) or BMS 240(3); KIN 253(2), 256(2), 257(2), 358(3); PSY 101(3); SWK 330(3); 9-12 certification student must select additional hours of electives in health-related courses, in consultation with their advisor, to bring total to 30 hours; K-12 certification student must select additional hours of electives in health-related courses, in consultation with their advisor, to bring total to 32 hours. In order to meet Missouri state teacher certification requirements, student must have a combined (Missouri State and transfer) GPA of 3.00 or above in the certificate subject area which includes all courses previously listed.

Accelerated graduate program in Health Promotion and Wellness Management

Eligible Missouri State undergraduate students may apply for admission to the Health Promotion and Wellness Management program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Radiography

Major(s)

Radiography (Comprehensive)

Bachelor of Science

The Department of Kinesiology, in cooperation with Cox College and Mercy College of Nursing and Health Sciences of Southwest Baptist University and other JRCERT accredited programs, offers a baccalaureate degree in Radiography. This program contains professional training that must be from a clinical school that is accredited by the Joint Review Committee on Education in Radiologic Technology sponsored by the American Medical Association (foreign credentials are not accepted). The curriculum includes both university course work that can be completed in 6 semesters and a 22-24 month clinical school of radiography. Each student must have at least a 2.00 GPA in both the coursework at Missouri State and in a school of radiologic technology. To be a registered radiologic technologist, the student, after having completed the clinical coursework, must pass a Registry Examination and obtain a letter of good standing from the American Registry of Radiologic Technologists.

A student may pursue this program by completing prerequisite courses at Missouri State and by seeking admission to any JRCERT school of radiologic technology. Application deadlines vary by school of radiologic technology. Courses completed at the clinical school are treated as transfer credit, are assigned a P (Pass) grade only, and are evaluated as a block of 21 credit hours of lower-division Radiography electives and a block of 21 credit hours of upper-division Radiography electives, not as individual courses.

The Radiography courses are credited only on the Bachelor of Science degree with a major in Radiography.

Program Requirements

A. General Education Program and Requirements
Specific General Education Requirements: BMS 110(3) and 111(1); CHM 116(4) and 117(1); ECO 155(3); KIN 210(3); MTH 135(3); PSY 121(3)
**CHM 160 should be selected if the science option is chosen.*

B. Major Requirements
1. BIO 212(2) and 213(1) or BIO 312(3) and 313(2); BMS 307(4), 308(4); CHM 201(3) and 202(2); CSC 121(3)
2. Courses completed in the professional curriculum from a school of radiologic technology evaluated as a block of 21 credit hours of lower-division Radiography electives and a block of 21 credit hours of upper-division Radiography electives, not as individual courses.
3. Public Affairs Capstone Experience will be fulfilled by completion of second year clinical practicum at the school of radiologic technology.
4. Specialty Requirements (choose one option):
   a. **Education:** PSY 360(3), SEC 301(2), EDT 565(3), SFR 396(2); plus two courses from PSY 200(3); PSY 306(3) or 502(3); PSY 508(3), PSY 529(3); SFR 547(2)
   b. **Management:** ACC 201(3); MGT 340(3), MGT 341(3); plus two courses from ACC 211(3); HCM 301(3), HCM 303(3); MGT 345(3), MKT 367(3), MKT 368(3); QBA 237(3)
   c. **Science:** Select 14 hours in science courses from Biology, Biomedical Sciences, or Physics with approval of advisor. CHM 160 is recommended.

C. General Baccalaureate Degree Requirements

Accelerated graduate program in Health Promotion and

Wellness Management

Eligible Missouri State undergraduate students may apply for admission to the Health Promotion and Wellness Management program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Recreation, Sport, and Park Administration

Major(s)

Recreation, Sport, and Park Administration (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
   Specific General Education Requirement: KIN 210(3) or KIN 286(3)
B. Major Requirements (75-79 hours) Note: All other coursework (including General Education Program, major(s), minor(s), if applicable), and all General Baccalaureate Degree Requirements, must be completed prior to taking REC 491, Recreation, Sport, and Park Administration Internship.
   1. Core Requirements (51-55 hours)
      a. Complete the following courses: REC 152(3), 190(3), 200(3); REC 211(3) or 311(3); 302(3), 328(3), 335(3), 390(3), 406(3), 410(3), 415(3), 422(3), 423(3), 490(1), 491(8 or 12)
      b. Complete at least 3 hours of skills classes, with advisor approval, from the following: KIN 110(1), 112(1), 113(1), 114(1), 118(1), 125(1), 127(1), 130(1), 133(1), 135(1), 143(1), 145(1), 147(1), 149(1), 234(2), 240(2), 260(2), 264(2), 270(1), 273(1); AGS 161(3), 162(1); MIL 101(2), 102(2), 211(2); REC 160(1), 307(3), 309(3), 451(3).
   2. Complete 24 hours from one of the following emphasis areas:
      a. Health and Wellness Promotion. Prepares students for various opportunities in the fitness industry, health-related services, and wellness management and promotion. Courses required: KIN 257(2); 281 or 282(1); 350(3), 360(4), 362(4), 569(4); BMS 130(3); MKT 150(3)
      b. Parks and Outdoor Recreation. Prepares students for careers in parks and outdoor recreation and outdoor education within the public or private sector in adventure recreation, outdoor recreation/education facilities, or government natural resource management agencies. Courses required: REC 211 or 311(3); 305(3), 307(3), 309(3), 325(3); 451(3) or outdoor activity hours approved by advisor: COM 325(3), GRY 318(3).
      c. Recreation Management. Prepares students for careers in administering recreation services and events in the Armed Forces, municipal parks and recreation departments, campus recreation, sporting goods retail, facility management, residential camps, resort recreation, travel, tourism and hospitality industry, meeting planning, and not-for-profit organizations: at-risk youth organizations, Boys and Girls Clubs, church recreation, Scouting, and YMCA. Courses required: REC 305(3), REC 320(3), REC 325(3), KIN 234(2), KIN 468(4), BUS 135(3), MGT 286(3), MGT 340(3)
      d. Sport Administration: Prepares students for careers in leadership opportunities in administering athletic programs, athletic teams, competitive sport camps and clinics, facilities and leagues; managing various sport entities, including Olympic training sites, municipal league programs, youth sport agencies, tournament management, sport administration and marketing, special event planning, retail sports industries, and coaching at the college or above level. Courses required: REC 305(3), REC 325(3); KIN 210 or 286(3); KIN 218(2), KIN 234(2), KIN 386(3), KIN 485(2), BUS 135(3), MGT 286(3).
      e. Therapeutic Recreation: This emphasis has been temporarily suspended and is not being offered at this time. Contact the Kinesiology Department for more information.
   3. First Aid Proficiency: Each major must show proficiency in First Aid and Cardio Pulmonary Resuscitation (CPR). Students must provide copies of their ***current*** First Aid and CPR cards/certifications to the internship coordinator prior to enrolling in REC 491 and maintain current certifications throughout the internship. Certifications can be completed by the following:
      a. Complete the American Red Cross First Aid course and CPR course and obtain certification (see www.redcross.org for information)
      b. Complete the American Heart Association First Aid course and CPR course and obtain certification (see www.americanheart.org for information)

www.americanheart.org for information)

c. Emergency Medical Technician (EMT) certification

4. Public Affairs Capstone Experience will be fulfilled by completion of REC 335(3) and 491(8 or 12).
5. General Baccalaureate Degree Requirements

Recreation, Sport, and Park Administration (Non-Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
Specific General Education Requirement: KIN 210(3) or KIN 286(3)

B. Major Requirements (56-60 hours) Note: All other coursework (including General Education Program, major(s), minor(s), if applicable), and all General Baccalaureate Degree Requirements, must be completed prior to taking REC 491, Recreation, Sport, and Park Administration Internship.

1. Core Requirements (47-51 hours)
   a. Complete the following courses: REC 152(3), 190(3), 200(3); REC 211(3) or 311(3) or 411(3); REC 330(3), 335(3), 390(3), 410(3), 422(3), 423(3), 490(1), 491(8 or 12)
   b. Complete the following statistics courses:REC 328(3)
   c. Complete at least 5 hours of skills classes, with advisor approval, from the areas below with a maximum of 4 hours from any one area:
      1. Arts and Crafts: ART 100(3), 115(3), 212(3), 255(3); CIS 205(3)
      2. Dance and Rhythms: KIN 125(1), 240(2), 270(1); MUS 100(2), 103(3), 104(3), 133(1), 135(1), 137(1)
      3. Drama and Theater: ENG 334(3); THE 224(1), 255(2), 506(3)
      4. Outdoor Education Activities: AGS 161(3), 162(1); MIL 101(2), 102(2), 211(2); KIN 110(1), 114(1), 260(2); REC 160(1), 451(3)
      5. Sports: KIN 112(1), 113(1), 118(1), 127(1), 130(1), 133(1), 135(1), 143(1), 145(1), 147(1), 149(1), 234(2), 264(2), 273(1)
2. Complete, with advisor approval, 9 hours from one of the following emphases:
   a. Recreation Management:
   Prepares students for careers in administering recreation services and events in the Armed Forces, municipal parks and recreation departments, campus recreation, sporting goods retail, facility management, residential camps, resort recreation, travel, tourism and hospitality industry, meeting planning, and not-for-profit organizations: at-risk youth organizations, Boys and Girls Clubs, church recreation, Scouting, and YMCA. Complete the following 3 Required Courses: REC 406(3), 415(3); MGT 340(3) or PSY 305(3).
   b. Sport Administration:
   Prepares students for careers in leadership opportunities in administering athletic programs, athletic teams, competitive sport camps and clinics, facilities and leagues; managing various sport entities, including Olympic training sites, municipal league programs, youth sport agencies, tournament management, sport administration and marketing, special event planning, retail sports industries, and coaching at the college or higher level. Complete the following 3 Required Courses: REC 325(3), 406(3), 415(3).
3. First Aid Proficiency: Each major must show proficiency in First Aid and Cardio Pulmonary Resuscitation (CPR). Students must provide copies of their ***current*** First Aid and CPR cards/certifications to the internship coordinator prior to enrolling in REC 491 and maintain current certifications throughout the internship. Certifications can be completed by the following:
   a. Complete the American Red Cross First Aid course and CPR course and obtain certification (see www.redcross.org for information)
   b. Complete the American Heart Association First Aid course and CPR course and obtain certification (see www.americanheart.org for information)
   c. Emergency Medical Technician (EMT) certification
4. Public Affairs Capstone Experience will be fulfilled by completion of REC 335(3) and 491(8 or 12).

C. Minor required (or second major)

D. General Baccalaureate Degree Requirements

Minor(s)

Recreation, Sport, and Park Administration

Bachelor of Arts

Bachelor of Science

Bachelor of Science

1. Complete the following six courses: REC 152(3), 190(3), 205(3), 390(3), 422(3), 423(3)
2. Complete one of the following courses: REC 211(3), 311(3), 411(3)

Accelerated graduate program in Health Promotion and Wellness Management

Eligible Missouri State undergraduate students may apply for admission to the Health Promotion and Wellness Management program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Respiratory Therapy

Major(s)

Respiratory Therapy (Comprehensive)

Bachelor of Science

Eligibility for admission to the B.S. degree program is limited to those persons who have completed a registry level program in Respiratory Therapy. This program is intended for those who are seeking career enhancement in the field of Respiratory Therapy.

A. General Education Program and Requirements
   Specific General Education Requirements: BIO 121(4) or BMS 110(3) and 111(1); PHY 123(4); PSY 121(3)
B. Major Requirements
   1. BMS 307(4), 308(4), 561(4); BIO 212(2) and 213(1); ACC 201(3) or ECO 155(3)*; CHM 116(4) and 117(1) or CHM 160(4) and 161(1)
      * *May be used in General Education Requirements*
   2. Completion of a registry level program in Respiratory Therapy (12 hours credited as lower division, 23 hours upper division)
   3. Specialty Requirements (choose one option):
      a. **Education:** PSY 390(3), SEC 300(2), SEC 301(2), EDT 565(3), SFR 396(2); plus two courses from PSY 441(3); SFR 250(3) or 353(2) or 354(2); SFR 547(2)
      b. **Management:** ECO 155(3); MGT 340(3), MGT 341(3); plus two courses from ACC 211(3); MGT 345(3), MKT 367(3), MKT 368(3); QBA 237(3)
      c. **Science:** MTH 340(3); plus 11 hours of electives selected with approval of advisor.
C. General Baccalaureate Degree Requirements

Accelerated graduate program in Health Promotion and Wellness Management

Eligible Missouri State undergraduate students may apply for admission to the Health Promotion and Wellness Management program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

School of Nursing

Programs

Indicates accelerated graduate program is available

Undergraduate

Nursing, Bachelor of Science in (generic, 4-year program)(BSN)

Nursing, Bachelor of Science in (completion program for registered nurses) (BSN)

Health Care Management (Minor)

Graduate

DNP-Family Nurse Practitioner: BSN to DNP

Nurse Educator (Certificate)

Nursing, Master of Science in (MSN)

Nursing Practice, Doctor of (DNP)

Population Health, Post Master's (Certificate)

Accreditation and approval

- Commission on Collegiate Nursing Education – all programs
- The generic 4-year nursing program leading to a Bachelor of Science in Nursing meets full approval of the Missouri State Board of Nursing.

General information

Clinical hours

Clinical and laboratory hours represent the number of hours per week the course will meet in clinical and laboratory experiences outside the classroom. In nursing, three clinical hours are required for one credit hour. For example, a four credit hour clinical course with two hours of lecture will have six hours of clinical experiences. Two laboratory hours are required for one credit hour. For example, a four credit hour laboratory course with two hours of lecture will have four hours of laboratory experience.

Nursing electives for non-nursing majors

Contact

Director

Stephen J. Stapleton, PhD

Office

Professional Building, Room 300

Phone

417-836-5310

Fax

417-836-5484

Email

Nursing@missouristate.edu

Website

NUR 199, 326, 327, 420, 472, 501, 502, 503, 515 and 565 may be taken by students in other departments and as continuing education courses by nondegree seeking students.

Website

missouristate.edu/nursing

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Missouri State

Office of the Registrar
Undergraduate Catalog

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Missouri State

Nursing Courses

Nursing (NUR) courses

NUR 199 Health Topics

Topics of general interest in health care system, and the health professions. Topics may vary each semester; the course may be taken to a maximum of 10 hours provided the same topic is not repeated. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

NUR 300 Nursing Transition

Prerequisite: graduate of a practical nurse program approved by a US state board of nursing.

Content relevant to the transition from the practical nurse role to the professional registered nurse role.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

NUR 302 Concepts in Nursing

Prerequisite: admission to Nursing (generic 4-year program).

Introduction to nursing process, theory, and concepts relevant to professional nursing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NUR 303 Art and Science of Nursing I

Prerequisite: admission to Nursing (generic 4-year program).

Introduction to basic skills and technology used in professional nursing. Includes clinical experience of not less than 96 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	3	6	Fall, Spring

NUR 304 Art and Science of Nursing II

Prerequisite: admission to Nursing (generic 4-year program); and meet program progression requirements.

Introduction to complex skills, technology, and nursing care of the adult client in professional nursing. Includes clinical experience of not less than 96 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	3	6	Fall, Spring

NUR 312 Nursing: The Adult Client

Prerequisite: admission to Nursing (generic 4-year program); and meet program progression requirements.

Professional nursing care of adult clients experiencing acute and chronic illness. Includes clinical experience of not less than 96 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	4	6	Fall, Spring

NUR 315 Issues in Contemporary Nursing

Prerequisite: admission to Nursing (generic 4-year program); and meet program progression requirements or permission of instructor.

Introduction to contemporary nursing issues.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

NUR 322 Nursing: The Childbearing Family

Prerequisite: admission to Nursing (generic 4-year program); and meet program progression requirements.

Professional nursing care of childbearing families in diverse settings. Includes clinical experience of not less than 48 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Fall, Spring

NUR 323 Nursing: The Pediatric Client and Family

Prerequisite: admission to Nursing (generic 4-year program); and meet program progression requirements.

Professional nursing care of pediatric clients and their families in diverse settings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NUR 325 The Pediatric Client Clinical Experience

Prerequisite: NUR 323; and admission to Nursing (generic 4-year program); and meet program progression requirements.

Professional nursing care of pediatric clients and their families in diverse settings; includes clinical experience of not less than 96 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	6	Summer

NUR 326 Current Issues in Children's Health and Safety

Issues relative to the health and safety of children. Methods to reduce morbidity and mortality rates are included. Content appropriate for non-nursing majors. Variable content course. Cannot be used to meet the nursing elective requirement.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

NUR 327 Issues in Women's Health

Issues concerning women's health. Content is appropriate for non-nursing majors. Variable course content. Cannot be used to meet the nursing elective requirement.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

NUR 331 Nursing: The Mental Health Client

Prerequisite: admission to Nursing (generic 4-year program); and meet program progression requirements.

Professional nursing care of mental health clients in diverse settings. Includes clinical experience of not less than 48 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Fall, Spring

NUR 342 Nursing: Health Assessment

Prerequisite: admission to Nursing (generic 4-year program); and meet program progression requirements.

Acquisition and utilization of skills in health history interviewing and physical assessment of clients throughout the life span.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

NUR 355 Nursing: Pathophysiology for Healthcare Providers

Prerequisite: admission to Nursing (generic 4-year program), introductory biology course and physiology course, and meet program progression requirements or permission of instructor.

Exploration of pathophysiology with a focus on health care problems relevant to the entry-level nurse or healthcare professional.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NUR 360 Introduction to Pharmacology

Prerequisite: admission to Nursing (generic 4-year program); and meet program progression requirements, or permission of instructor.

Introduction to basic pharmacology, pharmacokinetics and pharmacodynamics of major drug classifications.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NUR 416 Nursing: The Older Adult Client

Prerequisite: admission to Nursing (generic 4-year program); and meet program progression requirements.

Professional nursing care of older adults in diverse settings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

NUR 420 Integrative Healthcare Concepts

Exploration of integrative health care concepts and interventions used to promote health and well being of individuals, families and groups from diverse backgrounds. Provides an introduction to theories and research which underlie patient education, family assessment and intervention, and selected noninvasive therapies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

NUR 442 Nursing: Community Health

Prerequisite: admission to Nursing (generic 4-year program); and meet program progression requirements.

Theory and clinical experience in nursing practice to aggregates and communities with a focus on vulnerable populations across the global spectrum. Focus on nursing knowledge and skills in community health nursing and nursing research to promote health and prevent disease. Includes clinical experiences of no less than 96 hours. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	4	6	Fall, Spring

NUR 472 Writing II: Nursing Research and Scholarly Writing

Prerequisite: ENG 110 or equivalent; a statistics course (AGR 330, MTH 340, PSY 200, PSY 527, PSY 611, QBA 237, SOC 302 or equivalent) or concurrent enrollment; and 45 hours.

General Education Course (Focus on Written Communication and Integrative and Applied Learning).

This course will prepare the student to write in a variety of styles, in addition to reading, interpreting, and evaluating nursing research. The student will acquire an understanding of the research process, apply relevant research to health and human service disciplines, and demonstrate the accurate dissemination of research results in verbal and written format. This course will assist students to develop an attitude of inquiry, expand logical thinking, and enhance analytical skills.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

NUR 475 Nursing Internship

Prerequisite: admission to Nursing (generic 4-year program).

This clinical course fosters the development of nursing roles, clinical nursing skills, communication, therapeutic nursing interventions, and critical thinking in approved health care agencies in the community. May be repeated. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	9	Fall, Spring, Summer

NUR 478 Nursing: Senior Seminar

Prerequisite: admission to Nursing (generic 4-year program); and meet program progression requirements.

Exploration of issues and policies affecting nursing as a profession. Also includes preparation for licensure.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

NUR 482 Nursing: Leadership and Management

Prerequisite: admission to Nursing (generic 4-year program); and meet program progression requirements.

Development of the nurse as a leader and manager in diverse settings. Includes clinical experience of not less than 96 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	4	6	Fall, Spring

NUR 487 Research and Evidence-Based Practice

Prerequisite: admission to the Nursing (generic 4-year program) and meet program progression requirements.

This course provides the student an introduction of nursing research, evidence-based practice, and concepts of quality improvement.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NUR 490 Critical Care Nursing

Prerequisite: NUR 312; admission to Nursing (generic 4-year program), and meet progression requirements or permission of instructor.

An overview of physiological, psychological, social, cultural, legal and ethical factors that influence the health of persons with critical health care needs. Emphasis will be placed on roles and responsibilities for critical care providers.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

NUR 492 Basic EKG Interpretation

Prerequisite: admission to Nursing (generic 4-year program or completion program for registered Nurses); and meet program progression requirements or permission of instructor.

This course introduces a systematic method of assessing single lead EKG's. The course includes analysis and treatment of sinus rhythms, conduction blocks, atrial, junctional and ventricular dysrhythmias. Content appropriate for nurses and other health care professions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

NUR 499 Special Topics in Nursing

Prerequisite: permission.

Independent study in area of special interest. May be taken up to maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

NUR 501 Gerontological Health Care

Prerequisite: junior standing.

This course will address health issues of older adults, including the normal biological and psychosocial aging process, common health problems, and access to and use of health services. It includes international models of aging and geriatric care. The focus is on healthy aging and adaptation to chronic health conditions. This course has a community experience component. May be taught concurrently with NUR 631. Cannot receive credit for both NUR 631 and NUR 501.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NUR 502 Rural Health

Prerequisite: junior standing.

This course offers a study of health care delivery in rural communities. It includes theoretical foundations, cultural considerations, and specific characteristics of rural environments and people. Local and international perspectives will be explored. This course has a community experience component. Identical with SWK 502. Cannot receive credit for both NUR 502 and SWK 502. May be taught concurrently with NUR 632. Cannot receive credit for both NUR 632 and NUR 502.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NUR 503 Transcultural Healthcare

Prerequisite: permission of instructor.

Exploration of health beliefs, values, and practices of other cultures. This is a short-term study away course and counts as an elective toward the Bachelor of Science in Nursing degree. May be taught concurrently with NUR 633. Cannot receive credit for both NUR 633 and NUR 503.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

NUR 515 Healthcare Informatics

Integration of health, computer and information sciences in managing information to support healthcare and research. Development of skill in managing information and using information systems relevant to health care. Identical with NRS 515. Cannot receive credit for both NUR 515 and NRS 515. May be taught concurrently with NUR 635. Cannot receive credit for both NUR 635 and NUR 515.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

NUR 530 Forensic Nursing: A Multidisciplinary Approach

Prerequisite: admission to Nursing (generic 4-year program or completion program for registered nurses); and meet program progression requirements or permission of instructor.

This course will explore the professional, ethical, and legal aspects of forensic nursing including the multidisciplinary approach to the care of the sexual assault victim and other victims of violent crime, the collection of forensic evidence and documentation of findings, and testifying in court. This course meets the educational component to take the certification exam as a Sexual Assault Nurse Examiner (SANE) nurse.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

NUR 565 Advanced Human Pathophysiology

Prerequisite: admission to Nursing (generic 4-year program or completion program for registered nurses); and meet program progression requirements or permission of instructor.

Exploration of pathophysiology with focus on health care problems relevant to nursing. Identical with NRS 565. Cannot receive credit for both NUR 565 and NRS 565. May be taught concurrently with NUR 640. Cannot receive credit for both NUR 565 and NUR 640.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NUR 596 Independent Study in Nursing

Prerequisite: permission of instructor.

Special topics for individual students may be offered as specific topics of interest or as needs arise which are not covered by courses or content in the program. May be repeated for credit for a maximum of 6 credit hours as topics change. May be taught concurrently with NUR 695. Cannot receive credit for both NUR 695 and NUR 596.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

NUR 597 Special Topics in Nursing

Prerequisite: permission of instructor.

Special topics for groups of students may be offered as specific topics of interest or as needs arise which are not covered by courses or content in the program. May be repeated for credit for a maximum of 6 credit hours as topics change. May be taught concurrently with NUR 696. Cannot receive credit for both NUR 696 and NUR 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3	1	3	Upon demand

NUR 631 Gerontological Health Care

This course will address health issues of older adults, including the normal biological and psychosocial aging process, common health problems, and access to and use of health services. It includes international models of aging and geriatric care. The focus is on healthy aging and adaptation to chronic health conditions. This course has a community experience component. May be taught concurrently with NUR 501. Cannot receive credit for both NUR 501 and NUR 631.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NUR 632 Rural Health

This course offers a study of health care delivery in rural communities. It includes theoretical foundations, cultural considerations, and specific characteristics of rural environments and people. Local and international perspectives will be explored. This course has a community experience component. Identical with SWK 602. Cannot receive credit for both NUR 632 and SWK 602. May be taught concurrently with NUR 502. Cannot receive credit for both NUR 502 and NUS 632.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NUR 633 Transcultural Healthcare

Prerequisite: permission of instructor.

Exploration of health beliefs, values, and practices of other cultures. This is a short-term study away course. May be taught concurrently with NUR 503. Cannot receive credit for both NUR 503 and NUR 633.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

NUR 635 Healthcare Informatics

Integration of health, computer and information sciences in managing information to support healthcare and research. Development of skill in managing information and using information systems relevant to health care. May be taught concurrently with NUR 515. Cannot receive credit for both NUR 635 and NUR 515.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

NUR 640 Advanced Human Pathophysiology

Prerequisite: admission to a graduate nursing program or permission of instructor.

Exploration of pathophysiology with focus on health care problems relevant to nursing. May be taught concurrently with NUR 565. Cannot receive credit for both NUR 640 and NUR 565.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NUR 695 Independent Study in Nursing

Prerequisite: permission of instructor.

Special topics for individual students may be offered as specific topics of interest or as needs arise which are not covered by courses or content in the program. May be repeated for credit for a maximum of 6 credit hours as topics change. May be taught concurrently with NUR 596. Cannot receive credit for both NUR 596 and NUR 695.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

NUR 696 Special Topics in Nursing

Prerequisite: permission of instructor.

Special topics for groups of students may be offered as specific topics of interest or as needs arise which are not covered by courses or content in the program. May be repeated for credit for a maximum of 6 credit hours as topics change. May be taught concurrently with NUR 597. Cannot receive credit for both NUR 597 and NUR 696.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3	1	3	Upon demand

NUR 700 Epidemiology

Prerequisite: admission to a graduate program in Nursing.

This course is an introduction to the epidemiological methods and procedures utilized in the study of the origin, distribution, and control of disease. It will include the study of infectious and non-infectious disease etiology, including vector control, host defenses and resistance, and investigation of disease outbreaks. Students will learn to use basic epidemiological concepts and methods for program planning, evaluation, and research. Basic statistical measures used in the analysis of clinical and epidemiological evaluations, including measures of disease

frequency and measures of absolute and relative effects, will be covered. Identical with PBH 720. Cannot receive credit for both NUR 700 and PBH 720.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NUR 701 Nursing Science

Prerequisite: admission to a graduate program in nursing or permission of instructor.

This course is designed to address how nursing science has evolved and the state of the art of nursing science. Emphasis will be placed on analysis and critique of existing nursing models and theories.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

NUR 703 Population Health: A Local to Global Perspective

Prerequisite: admission to a graduate program in nursing or permission of instructor.

This course fosters development of advanced knowledge of health systems and social determinants of population health from a local, state, national, and global perspective. The phenomena of cultural competence, health disparities, health promotion, community health assessment, and a global health outlook will be explored. The course is a pre/corequisite for NUR 704.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

NUR 704 Population Health Practicum

Prerequisite: admission to a graduate program in nursing or permission of instructor; NUR 703 or concurrent enrollment.

This course is a clinical component of NUR 703. The clinical experience will include 96 hours of immersion into a vulnerable, underserved or culturally diverse population.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall

NUR 705 Population Health Management I

Prerequisite: NUR 703 and NUR 704 and admission to a graduate program in nursing or permission of instructor.

This course builds on foundational knowledge of population health concepts, models, skills, roles, and technology used to identify the health care needs of vulnerable populations experiencing health disparities. An emphasis is placed on data science, risk management, and program planning and development of interventions across the continuum of care.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Summer

NUR 706 Population Health Management II

Prerequisite: NUR 703 and NUR 704 and NUR 705 and admission to a graduate program in nursing.

This course builds on knowledge and skills in population health used to deliver, manage, and evaluate health care across the care continuum. Achieving sustainable solutions to health disparities and evaluation of outcomes in terms of quality, safety, effectiveness, satisfaction, and fiscal considerations are emphasized. A focus on disease prevention and management using health informatics, data science, and models of collaborative health care delivery is provided.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	6	Fall

NUR 711 Advanced Roles and Leadership in Nursing

Prerequisite: admission to a graduate program in Nursing.

Examination of advanced nursing roles with emphasis on role theory, leadership, and advanced competencies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

NUR 730 Family Practice I

Prerequisite: admission to the BSN-DNP Program.

Emphasis on evidence-based clinical practice to promote health and prevent chronic disease. Didactic and clinical experiences include assessment, diagnosis and management of acute health problems in the geriatric, adult and pediatric population. Includes clinical experiences of not less than 96 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	4	6	Fall

NUR 733 Advanced Physical Assessment and Health Promotion

Prerequisite: admission to a graduate program in nursing or permission of instructor.

Advanced critical thinking, communication and diagnostic skills needed to obtain comprehensive and focused history and physical exams, analyze assessment data, and focus on health prevention and promotion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Fall, Spring

NUR 734 Advanced Physical Assessment and Clinical Reasoning

Prerequisite: admission to a graduate program in nursing or permission of instructor.

Advanced critical thinking, communication and diagnostic skills needed to obtain comprehensive and focused history and physical exams, analyze assessment data, generate differential diagnoses, evaluate and utilize screening and diagnostic modalities appropriately. An evidence-based practice framework will be utilized. Identical with ANE 734. Cannot receive credit for both NUR 734 and ANE 734. Variable credit course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5-6			Fall, Spring

NUR 750 Family Practice II

Prerequisite: admission to the BSN-DNP Program.

Emphasis on evidence-based clinical practice to promote health and prevent chronic disease. Didactic and clinical experiences include assessment, diagnosis and management of chronic health problems in the geriatric, adult and pediatric population. Includes clinical experiences of not less than 96 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	4	6	Spring

NUR 761 Advanced Pharmacotherapeutics

Prerequisite: admission to a graduate program in nursing or permission of instructor.

An in-depth analysis of clinical pharmacotherapeutics for nurses in advanced practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NUR 762 Prescriptive Practices for the Advanced Practice Nurse

Prerequisite: admission to the graduate program in Family Nurse Practitioner or permission of instructor; and concurrently enrollment in NUR 761, section 1.

This course is taken in conjunction with NUR 761 Section 1, to further investigate pharmacokinetics and pharmacodynamics for the advanced practice nurse. Emphasis will be placed on drug management and rationale prescribing including regulatory considerations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

NUR 765 Applications of Advanced Pathophysiology

Prerequisite: admission to a graduate program in Nursing.

Clinical application of advanced pathophysiology for advanced nursing roles. Includes laboratory experiences of not less than 32 contact hours.

hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

NUR 770 Family Practice III

Prerequisite: admission to the BSN-DNP Program.

This course covers special clinical topics in nurse practitioner practice including, but not exclusive to procedures, emergencies/trauma, wilderness medicine, pain management, and generic disorders. Includes clinical experiences of not less than 96 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	4	6	Fall

NUR 772 Advanced Research Methods in Nursing

Prerequisite: admission to a graduate program in nursing or permission of instructor.

Critical analysis of the researcher role, the research process, and research ethics within a nursing framework. Application of learned principles will result in the development of the research proposal.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

NUR 780 Teaching/Learning for Health Care Educators

Prerequisite: admission to a graduate nursing program or permission.

Designed to examine works of major learning theorists and investigate research related to teaching methods and learning. Identification of teaching/learning strategies used in health care education and practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NUR 781 Nursing Education Practicum

Prerequisite: NUR 780; and admission to a graduate program in nursing or permission.

Clinical experience in a nurse educator role in a basic education program. Application of educational and clinical practice theories and principles in a clinical teaching setting. This course has no less than 144 clinical hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	9	Fall, Spring, Summer

NUR 782 Program Development and Evaluation in Nursing Education

Prerequisite: NUR 780; and admission to a graduate program in Nursing; or permission of instructor.

Explore components, processes, and skills involved in the development, implementation, and evaluation of academic and non-academic settings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

NUR 783 Nursing Education Practicum II

Prerequisite: admission to the Nurse Educator specialization.

Clinical experience in a nurse educator role in a healthcare or community setting with emphasis on application of educational theories and principles. Includes clinical experiences of not less than 96 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	6	Fall, Spring

NUR 784 Technology in Health Care Education

Prerequisite: permission.

This course explores various technology-based health education resources, such as blogs, wikis, YouTube/SchoolTube, Podcasts, Webinars, and social networking tools utilized to support the teaching and learning process. Strategies to assess learners, to develop learner evaluation plans, and to measure learning outcomes will be discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

NUR 785 Population Health Management Education Practicum

Prerequisite: NUR 703 and NUR 704 and NUR 705; and NUR 706 or concurrent enrollment in NUR 706; and admission to a graduate program in nursing.

This clinical course applies knowledge of population health concepts, models, skills, and roles to the health care needs of vulnerable populations. Aspects of program development, implementation, and evaluation will be emphasized.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	9	Fall, Spring, Summer

NUR 787 Advanced Nursing Clinical Management

Prerequisite: NUR 780 and NUR 782; and admission to a graduate nursing program or permission.

Clinical experience in advanced nursing roles to develop in-depth knowledge and expertise in a healthcare or community setting. This course has no less than 96 clinical hours. This course may be taken as variable credit, may be taken as 2-4 credit hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-4			Fall, Spring, Summer

NUR 790 Family Nurse Practitioner Advanced Practicum

Prerequisite: admission to a graduate program in nursing or permission of instructor.

Development of the role of a family nurse practitioner in a supervised setting. Includes clinical experiences of not less than 240 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	1	15	Fall, Spring, Summer

NUR 797 Capstone Project

Prerequisite: NUR 772; and admission to a graduate program in nursing.

Active participation in the development, implementation, and evaluation of advanced nursing role capstone project. Must be repeated for a minimum of 3 hours. Variable credit, may be taken 1-3 credit hours. This course has no less than 144 clinical hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

NUR 798 Research

Prerequisite: permission of research advisor.

Application of the research process in the supervised study of a selected problem. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

NUR 799 Thesis

Prerequisite: admission to the Family Nurse Practitioner or Nurse Educator specialization.

Demonstration of the capacity for research and independent thought culminating in a thesis. Must be repeated for a minimum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

NUR 800 DNP Leadership I: Concepts for Evidence-Based Practice

Prerequisite: admission to the DNP Program and meet program progression requirements.

This course explores and applies foundational concepts and theories for the development of the DNP nurse leader and the DNP Change Project. Concepts include transforming healthcare through evidence-based practice, quality improvement, leadership in healthcare systems, project planning, evaluation of evidence, and consideration of disparities in health and healthcare from a population focus. This course has no less than 48 clinical hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	1	Summer

NUR 802 Emerging Science and Methods of Advanced Practice

Prerequisite: admission to the DNP Program and completion of a graduate level nursing theory course and a graduate level nursing research course.

In this course, concepts, theories, and philosophical perspectives relevant to nursing science, research, and advanced nursing practice will be examined. Emphasis will be placed on exploring, analyzing, and applying concepts, theories, philosophies, and traditional and translational research methods, to the discipline of nursing, and to the student's area of research. The use of systematic reviews, meta-analysis, and meta-synthesis in the student's DNP project and in nursing practice will be explored.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

NUR 810 Finance Management and Entrepreneurship for Advanced Nursing Roles

Prerequisite: admission to the DNP Program and meet program progression requirements.

This course focuses on the understanding and analysis of concepts and issues related to finance, budgeting, resource management, funding, reimbursement, cost-benefit analysis, and entrepreneurship as applicable to advanced nursing roles within the changing health care environment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

NUR 824 Health Policy to Improve Health Disparities

Prerequisite: admission to a graduate program in nursing.

This course will explore the advanced roles and skills needed in health policy advocacy, analysis, development, implementation, and evaluation. Advanced advocacy skills and tools for addressing health care cost, quality, and access issues; as well as social justice, vulnerable populations, and health disparities, will be explored. Emphasis will be placed on understanding the complexities of local, national, and global health issues and policy initiatives necessary to improve health outcomes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

NUR 830 DNP Leadership II: Impacting Disparities in Health and Healthcare

Prerequisite: admission to the DNP Program and meet program progression requirements.

Building on NUR 800, the focus of this course includes the concepts of leadership, change, problem solving, ethical decision making theories and their application to project planning. The concepts of translational research, quality improvement, and budgeting, within a health and healthcare disparities framework will be addressed and applied. This course has no less than 144 clinical hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	3	3	Fall, Spring

NUR 840 Technology for Transforming Nursing and Healthcare Systems

Prerequisite: admission to a graduate program in nursing or permission.

This course is designed to provide an overview of nursing and healthcare information technology applicable to advanced nursing roles. The purpose of this course is to explore information system concepts and leverage technologies that can be used to improve quality, enhance patient safety, and transform the health of individuals, families, communities and populations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring, Summer

NUR 860 DNP Leadership III: Transforming Systems

Prerequisite: admission to the DNP Program and meet program progression requirements.

This course builds on previous DNP Leadership courses with an emphasis on advanced leadership roles for transforming health and healthcare disparities at the systems level. Concepts addressed include implementing a strategic plan and evaluating plan outcomes; resource management; leading and managing change and innovation in diverse healthcare environments; healthcare economics; influencing healthcare policy, and organizational culture and behavior; program/impact evaluation. Advanced leadership roles, such as consultant, entrepreneur, grant writer, mentor, advanced advocate, and change agent will be included. During this course an evidence-based DNP project to transform practice within a healthcare system will be implemented and evaluated. This course has no less than 144 clinical hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	3	3	Fall, Spring

NUR 880 Leadership and Innovation in Population Health Nursing

Prerequisite: admission to the Post-Masters Population Health Certificate program or permission.

This course is for students who need additional clinical learning experiences to meet the required clinical contact hours to meet DNP clinical admission requirements. The course focuses on experiential learning emphasizing the use of evidence-based practice, innovation, organizational collaboration, and leadership in health care. Students will acquire clinical experiences through a non-paid internship with healthcare leaders. Activities include completion of an organizational and needs assessment, and implementation of an evidence-based change project. This course includes clinical experience of not less than 144 contact hours. Clinical hours are counted towards the post-baccalaureate clinical hours required for DNP programs. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	9	Fall, Spring, Summer

NUR 896 Independent Study in Community and Population Health Leadership

Prerequisite: admission to the Post-Masters Population Health Certificate program, or permission, and completion of graduate epidemiology course.

This course is for students who need additional clinical learning experiences to meet the required clinical contact hours to achieve DNP competencies. Clinical experiences via independent study will focus on specific topics of interest in community and population health leadership. This course includes clinical experience of 48 contact hours per credit hour. Clinical hours are counted towards the post-baccalaureate clinical hours required for DNP programs. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

NUR 993 Transforming Practice

Prerequisite: admission to the DNP program and meet program progression requirements.

During this course, the DNP student will utilize and synthesize project findings with current evidence to develop scholarly products of publications and presentations for dissemination. This course has no less than 192 clinical hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	0	12	Fall, Spring, Summer

NUR 998 Clinical Development

Prerequisite: admission to a graduate program in nursing or permission.

This course is continued clinical application for the students requiring additional clinical time. This course cannot be repeated. This course has no less than 48 clinical hours. This course can be taken for either 1 or 2 credit hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

NUR 999 Active in DNP Project

Prerequisite: permission of DNP project advisor.

This course is continued application of translational research process in the supervised project of a selected evidence-based practice problem. This course is for students who require additional time to complete the DNP project. May be repeated for a maximum of 6 hours. Does not count toward degree requirements.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

1-3			Fall, Spring, Summer

Nursing-RN Completion Program (NRS) courses

NRS 306 Professional Emergence

Prerequisite: admission to Nursing (completion program for registered nurses).

Enhancement of nurses' ability to function as professionals. Survey of past, current, and developing trends in nursing and health care delivery, including historical, socio-cultural, legal and ethical dimensions in nursing practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

NRS 335 Pathophysiology for the Registered Nurse

Prerequisite: admission to Nursing (completion program for registered nurses); and meet program progression requirements or permission of instructor.

This course provides a study of the essential concepts of major diseases/disorders and disease processes relevant to the registered nurse.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NRS 338 Pharmacology for the Registered Nurse

Prerequisite: NRS 335 or permission of the instructor; and admission to Nursing (completion program for registered nurses); and meet program progression requirements.

This course provides an in-depth study of the pharmacological treatments of the most current diseases/disorders and disease processes identified in Missouri.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NRS 341 Nursing: Individuals and Families

Prerequisite: RN; and admission to Nursing (completion program for registered nurses); and meet program progression requirements.

Application of nursing theory and nursing process in the health care of individuals and families.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NRS 342 Nursing: Health Assessment

Prerequisite: admission to Nursing (completion program for registered nurses); and meet program progression requirements.

Improvement and utilization of skills in health history interviewing and physical assessment of clients throughout the life span.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

NRS 353 Research for the Registered Nurse

Prerequisite: Writing I General Education Course and 300 level or greater statistics course.

This course provides the registered nurse an introduction to nursing research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NRS 357 Evidence Based Practice for the Registered Nurse

Prerequisite: NRS 353 or permission of instructor; and admission to Nursing (completion program for registered nurses); and meet program progression requirements.

This course provides the registered nurse an introduction to evidence-based practice, and concepts of quality improvement at the baccalaureate level.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

NRS 442 Community Health Nursing I

Prerequisite: admission to Nursing (completion program for registered nurses); and permission of instructor.

Theory of nursing practice to aggregates and communities. Focus on nursing knowledge in public health, community health nursing, and nursing research to promote health and prevent disease.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

NRS 443 Community Health Nursing II

Prerequisite: NRS 442; and concurrent enrollment in NRS 482; and admission to Nursing (completion program for registered nurses); and permission of instructor.

Theory and clinical experience in nursing practice to aggregates and communities. Focus on nursing knowledge and skills in community health and research to promote health and prevent disease. Includes clinical experiences of not less than 48 hours. Public Affairs Capstone

Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Fall, Spring, Summer

NRS 482 Advanced Leadership and Management for Registered Nurses

Prerequisite: concurrent enrollment in NRS 443; and admission to Nursing (completion program for registered nurses); and permission of the instructor.

Development of the licensed registered nurse as a leader and manager in diverse settings. Includes clinical experience of not less than 48 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Fall, Spring, Summer

NRS 515 Nursing Informatics

Prerequisite: admission to Nursing (completion program for registered nurses).

This course is designed to provide an integration of health, computer, and information sciences in managing information to support healthcare and research. The students will develop skills in managing information and using information systems relevant to healthcare. Identical with NUR 515. Cannot receive credit for both NUR 515 and NRS 515.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

NRS 565 Advanced Human Pathophysiology

Prerequisite: admission to Nursing (completion program for registered nurses).

Exploration of pathophysiology with focus on health care problems relevant to nursing. Identical with NUR 565. Cannot receive credit for both NRS 565 and NUR 565.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

Health Care Management (HCM) courses

HCM 301 Health Care Organization

Analysis of organizational structure, the nature of health and health care delivery. Emphasizes the interrelatedness of cultural, economic, political, and social aspects of health care delivery along with its services and management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HCM 303 Health Care Legal Issues

Introduction to the legal system as it relates to health care. Legal responsibilities and issues related to health care institutions, health provider/patient relationships, medical records, malpractice insurance, licensure of health professionals, and ethical problems/questions in health care.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HCM 504 Health Care Economics

Recommended Prerequisite: ECO 165 or AGB 144. A basic study of the major economic issues facing the health care industry. Emphasis will be placed on the major elements of economic theory from a micro-economic perspective and how these theories are applied in the area of health care. Identical with ECO 504. Cannot receive credit for both HCM 504 and ECO 504. May be taught concurrently with HCM 604. Cannot receive credit for both HCM 604 and HCM 504.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

HCM 604 Health Care Economics

Recommended Prerequisite: ECO 165 or AGB 144. A basic study of the major economic issues facing the health care industry. Emphasis will be placed on the major elements of economic theory from a micro-economic perspective and how these theories are applied in the area of health care. Identical with ECO 604. Cannot receive credit for both HCM 604 and ECO 604. May be taught concurrently with HCM 504. Cannot receive credit for both HCM 504 and HCM 604.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

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Missouri State

Office of the Registrar
Undergraduate Catalog

Nursing (generic, 4-year program)

Major(s)

Nursing (generic, 4-year program)

Bachelor of Science in Nursing

The School of Nursing offers a generic, 4-year nursing program that leads to a Bachelor of Science in Nursing degree (BSN). Admission to this program is by application and selection as stated in the admission policies.

1. Student should refer to the *BSN Pre-Nursing Handbook* for additional information of application and admission policies.
2. Student should refer to the *BSN Student Handbook* for additional information on the policies and procedures in the School of Nursing.

Admission to the Bachelor of Science in Nursing program

1. Admission to the Bachelor of Science in Nursing program (BSN) is competitive and selective, and not all who apply can be accommodated.
   a. Students will be admitted to the nursing program twice a year for full-time study.
   b. Applications for admission to the program are due January 31 or July 31, on or before 5:00 PM CST and will be reviewed beginning the following month and continue until the class is full.
2. Students are encouraged to meet with an advisor in the McQueary College of Health and Human Services Advisement Center prior to or upon entering the University to ensure the proper selection and sequencing of prerequisites for the BSN program.
3. The decision to admit a student to the BSN program will be based on a holistic picture of the completed course work and values that are consistent with the conduct of the profession and the ANA Code of Ethics for Nurses (ANA, 2015).

Application policy

1. Admission to Missouri State University.
2. Completion of application to the Generic BSN program to the School of Nursing, including a current resume.
3. Submission of official transcripts of all college course work.
4. Completion of a minimum of 43 credit hours.
5. Completion of the General Education Foundations courses, except Writing II.
6. Completion of the prerequisites BMS 307(4) or KIN 250(3); BMS 308(4) or KIN 252(3) with a grade of "B-" or higher.
7. Completion of the specific General Education requirements listed in section A. of program requirements with a grade of "C" or higher.
8. MTH 135(3) or a higher numbered mathematics course listed in the General Education Quantitative Literacy requirement, chemistry, and anatomy will be given additional points in the selection process if completed by the application date.
9. A minimum cumulative GPA of 2.75 in all attempted college course work. Complete nursing prerequisites with a grade of "C" or higher.
10. Meet technical standards of the program in order to successfully undertake the course of study. These standards are included in the *BSN Pre-Nursing Handbook*, discussed in the application process and available upon request from the School of Nursing.
11. Applicants who have previously attended a nursing school or another school of a health-related profession must have a letter submitted from the Dean or Head of that school that includes a statement regarding the student's standing at the previous school. Applicants who have been previously dismissed from a program or were not in good standing at the time of dismissal will not be considered for admission.
12. Applicants must demonstrate academic potential to successfully complete the program.
13. Applicants must demonstrate acceptable levels of maturity, integrity, and behavior and attitudes normally expected of professional nurses.

nurses.

14. Admission is based on completion of all admission requirements; on cumulative GPA of all attempted college course work, with some additional preference given to current Missouri State University students and to individuals with previous healthcare experience, leadership experience, and/or community service. Additional consideration will be awarded for the grade received on the first attempt of chemistry, anatomy, and the university mathematics requirement.

Admission policy

Once a student has been selected for admission to the BSN Program, they will receive an acceptance letter. The letter will state a required return date and the additional documentation required for full admission. All documentation must be submitted by the required date or the student will forfeit the admission and the School of Nursing will consult the waiting list to extend the next offer of admission.

The additional items include:

1. Submit evidence of current immunizations (MMR, Tetanus, Varicella, complete Hepatitis B series, and a PPD or evidence of appropriate medical follow-up for PPD positive individuals).
2. Current American Heart Association (AHA) Basic Life Support (BLS) for Healthcare Providers certification. AHA course information and requirements may be accessed at the American Heart Association website.
3. All students must carry health insurance throughout the entire program.

Additional requirements of the program

Students are:

1. Expected to purchase uniforms and initial equipment before beginning nursing courses. A list of the items and their prices can be obtained from the School of Nursing.
2. Expected to provide their own transportation to clinical sites.
3. Required to pay course fees for each semester they are enrolled in clinical nursing courses. These fees are used to pay for student liability insurance, student evaluation throughout the program, NCLEX-RN preparation, and laboratory and clinical supplies and equipment.
4. Required to initiate and pay for any security checks and drug screenings required for clinical agencies, for application to take the NCLEX-RN, and when applying for licensure with a State Board of Nursing.
5. Apply for criminal record check and receive response that the applicant has not been convicted of any crime pursuant to Section 660.317 RSMo or other disqualification that would prohibit licensure as a registered nurse.

Program requirements

A. General Education Program and Requirements
Specific General Education Requirements that must be passed with a grade of "C" or higher are: CHM 116(4) or CHM 160(4); PSY 121(3); SOC 150(3); NUR 472(3); MTH 135(3) or a higher numbered mathematics course listed in the General Education Quantitative Literacy requirement. Note: CHM 160 is preferred over CHM 116.

B. Major Requirements. A grade of "C" or higher is required in all courses
   1. The following prerequisites must be completed with a grade of "B-" or higher before beginning the first nursing course: BMS 307(4) or KIN 250(3); BMS 308(4) or KIN 252(3)
   2. The following prerequisites must be completed with a grade of "C" or higher before beginning the first nursing course: BIO 212(2) and 213(1); BMS 240(3)
   3. Upper Division Nursing must be completed with a grade of "C" or higher: NUR 302(3), 303(5), 304(5), 312(6), 315(1), 322(4), 323(3), 325(2), 331(4), 342(4), 355(3), 360(3), 416(2), 442(6), 478(2), 482(6), 487(3), 490(2)
   4. Select one course in statistics from the following: IPE 381(3), SOC 302(3), PSY 200(3), MTH 340(3), QBA 237(3), AGR 330(3), PSY 527(3)
   5. Public Affairs Capstone Experience will be fulfilled by completion of NUR 442(6).

C. General Baccalaureate Degree Requirements

Retention, progression, and graduation policies

A. After admission into the Nursing major, the students must achieve the following for retention in the major.
   1. Achieve a grade of "C" or higher in all required courses.

1. Achieve a grade of "C-" or higher in all required courses.
2. Receive a "pass" in all clinical evaluations.
3. Maintain a University cumulative GPA of 2.50 or higher.
4. Maintain a cumulative GPA of 2.50 or higher in all nursing and supportive courses.
5. Courses in the nursing major may not be taken more than twice.
6. Credit for upper division nursing courses taken more than eight (8) years before the student's date of graduation may be disallowed by the School of Nursing.
7. Demonstrate acceptable levels of maturity, integrity, and behaviors and attitudes normally expected of professional nurses.
8. Maintain current CPR certification, immunizations, annual PPD or appropriate medical follow-up for PPD positive individuals, and health insurance requirements.
9. Maintain ability to meet technical standards of the program.
10. Once admitted to the nursing major, students must maintain continuous enrollment in nursing courses and progression through the program.

B. Students who fail to meet the retention criteria may be (a) placed on academic or clinical probation in the nursing major, or (b) dismissed from the nursing program. Students on academic probation must achieve a grade of "B-" or higher in the next 9 hours of course work in nursing or supporting courses attempted. Students on clinical probation must receive a "Pass" in all remaining nursing clinical courses. Students who fail to meet the probationary criteria or are dismissed from the program are not eligible for readmission to the nursing major.

C. Graduation from the Generic BSN program does not guarantee a student's eligibility to become licensed as a professional nurse. Eligibility requirements include passing the NCLEX-RN exam and meeting RN licensure requirements for the state in which licensure is sought by the individual. The Missouri State Board of Nursing reserves the right to deny, revoke, or suspend a license. Refer to State of Missouri Revisor of Statutes website.

Readmission policy

Students who have interrupted their progression in the nursing courses for one semester or more must apply for readmission to the School of Nursing Admission, Progression and Graduation Committee.

1. Applications for readmission will only be considered if the student was in good academic standing in both didactic and clinical courses at the time of withdrawal from the program, and if their studies have been interrupted three (3) semesters or less (excluding summer session).
2. Applications for readmission for students who were in good academic standing at the time of withdrawal and meet the time limit will be reviewed on an individual basis and be based on: space availability in the cohort, prior success in the program, and potential for successful graduation from the program.
3. Students seeking readmission should refer to the current version of the BSN Student Handbook for further information on the Reinstatement Policy for the generic BSN program.

Transfer policy

Transfer students with prior nursing courses will be reviewed on an individual basis by evaluating course content and objectives.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Nursing (completion program for registered nurses)

Major(s)

Nursing (completion program for registered nurses)

Bachelor of Science in Nursing

The School of Nursing offers a junior-senior level nursing program leading to a Bachelor of Science in Nursing degree (BSN) for registered nurses. Degree candidates must be licensed registered nurse graduates of associate degree or diploma nursing programs. Admission to the program is by application and selection as stated in the admission policies. Students should refer to the *BSN-C Student Handbook* for additional information on the policies and procedures in the School of Nursing.

Admission policies

1. Acceptance of application to the University by the Office of Admissions. (Note: Admission to the University does NOT automatically constitute acceptance for the professional program in nursing.)
2. Current licensure in good standing as a registered nurse in the State of Missouri or in the state where they practice.
3. Students preparing to graduate from an RN program may apply and be provisionally accepted to the BSN-C program, but will be unable to take NRS courses until the RN license has been attained.
4. GPA of 2.50 or higher on a 4.00 scale, based on at least 30 hours of college work. GPAs below 2.50 will be considered on an individual basis.
5. An admission conference with a member of the School of Nursing faculty or advisor is recommended for direction in sequencing courses.
6. Applicants must demonstrate acceptable levels of maturity, integrity, and behaviors and attitudes normally expected of professional nurses.
7. Applicants must demonstrate acceptable academic potential to successfully complete the program.
8. Application deadlines for admission are August 1 for the fall semester, December 1 for the spring semester, and May 1 for the summer semester

Application process

The application process for the BSN-C program is now completed through the Nursing CAS. The following items are required to complete the CAS application.

1. Acceptance of application to the University by the Office of Admissions. (Note: Admission to the University does NOT automatically constitute acceptance for the professional program in nursing)
2. Missouri State University Bearpass/M number and email address
3. Application Fee to the School of Nursing of $50.00 (pay online thru Cashnet)
4. Proof of RN license without disqualification in state of practice or expected date of graduation from RN program. Students preparing to graduate from an RN program may apply and be provisionally accepted to the BSN-C program, but will be unable to take NRS courses until the RN license has been attained.

Provisional admission requirements

Once the application has been accepted by the School of Nursing, the student will be granted provisional acceptance until the following requirements are completed and/or documentation is submitted to and accepted by the School of Nursing. Students will not be allowed to register for NRS courses until complete acceptance has been granted.

1. Criminal background check
    a. The School of Nursing will email the student information regarding completion of a criminal background check.
    b. The applicant must receive a clear background check without convictions of any crime pursuant to Section 660.317 RSMo or other disqualifications that would prohibit licensure as a registered nurse.
2. Urine drug screen
    a. The School of Nursing will email information regarding the required urine drug screen. The information will be time sensitive, and it will be the responsibility of the student to complete the testing before the time elapses.
    b. The applicant must receive a clear drug screen that would not hinder the professional actions of a registered nurse or prohibit licensure as a registered nurse.
3. Proof of registration with the Family Care Safety Registry

Additional requirements of the program

Once accepted into the BSN-C program, students will be required to purchase items required for clinical and submit the following program compliance documentation:

1. When starting coursework students will need to pay the fee for tracking software (Typhon) $50.00.
2. Prior to clinical coursework the nursing students will be required to provide the following documentation:
    a. Proof of negative TB status (within 1 year) or medical follow-up if positive (renewed annually)
    b. Proof of influenza vaccination documentation for clinical (renewed annually)
    c. Proof of current American Heart Association Basic Life Support (BLS) certification
    d. Proof of varicella (chicken pox) vaccination (series of two) or immunity
    e. Proof of measles, mumps, and rubella (MMR) immunization as an adult
    f. Proof of hepatitis B (must complete series of 3 vaccinations) or immunity
    g. Proof of tetanus vaccination (within 10 years)
    h. Proof of current health insurance
    i. Proof of professional liability insurance (minimum limits of $1,000,000 each occurrence and $3,000,000 aggregate)
3. Students are required to purchase community uniform and initial equipment before beginning nursing clinical courses. The complete community uniform is outlined in the BSN-C handbook. Items required for purchase include a School of Nursing polo shirt and name badge.
4. Students are expected to provide their own transportation to clinical sites.
5. Students are required to pay course fees for each semester they are enrolled in clinical nursing courses.

Program Requirements

A. General Education Program and Requirements
Specific General Education Requirements: SOC 150(3) and PSY 121(3)
B. Major Requirements
    1. Upper Division Nursing Requirements: NRS 306(3), 335(3), 338(3), 341(3), 342(3), 353(3), 357(3), 442(3), 443(3), 482(3); IPE 375(3)
    2. Select one course in statistics from the following: SOC 302(3), AGR 330(3), MTH 340(3), IPE 381(3), PSY 527(3) or others by permission.
    3. Public Affairs Capstone Experience will be fulfilled by completion of NRS 443(3).
C. General Baccalaureate Degree Requirements. A maximum of six hours in NUR 499 may be credited toward the degree.

Technical requirements

The Missouri State University BSN-C is an online program. Didactic online content is delivered using asynchronous and synchronous formats. Applicants to the BSN-C program must be computer literate and be comfortable using word processing, spreadsheet management, and presentation graphics software. Students are expected to manage files, navigate the Internet and access resources, and use a computer, camera, video, scanner, and email. Students who have deficiencies in these areas are encouraged to seek training before the start of the program.

The School of Nursing uses the Blackboard course management system for all courses. Students will be required to upload documents and download files. Additionally Adobe Macromedia software is used for synchronous course offerings and other experiences. Video conferencing software may be used. Requirements of the program include access to broadband (cable or DSL) connections, a web camera and microphone, and a computer with wireless capabilities to meet the minimal hardware requirements. MSU multimedia content is optimized for Internet Explorer and Firefox.

Readmission policy

Continuing enrollment in Missouri State University must be maintained to be considered a student in the BSN-C program. Students who interrupt their education for a year or more must follow University readmission policies and petition the School of Nursing to be reinstated in the BSN-C program at which time the previous course work will be reevaluated.

Retention, progression and graduation policies

A. After admission into the Nursing major, the students must achieve the following for retention in the major.
   1. Achieve a grade of "C-" or better in all required courses.
   2. Receive a "pass" in all clinical evaluations.
   3. Maintain a University cumulative GPA of 2.50 or higher.
   4. Maintain a cumulative GPA of 2.50 or higher in all nursing and supportive courses.
   5. Courses in the nursing major may be repeated only one time.
   6. Credit for upper division nursing courses taken more than 8 years before the student's date of graduation may be disallowed by the School of Nursing.
   7. Maintain current immunizations, annual PPD or appropriate medical follow-up for PPD positive individuals, health insurance , and professional liability insurance.
   8. Maintain current American Heart Association BLS certification.

B. Students who fail to meet the retention criteria may be (a) placed on academic or clinical probation in the nursing major or (b) dismissed from the nursing program. Students on academic probation must achieve a grade of "B-" or higher in the next 9 hours of coursework in the BSN-C program. Students on clinical probation must receive a "Pass" in all remaining nursing clinical courses. Students who fail to meet the probationary criteria or are dismissed from the program are not eligible for readmission to the BSN-C program.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Health Care Management

Minor(s)

Health Care Management

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Nursing

A. HCM 301(3), HCM 303(3); HCM 504(3) or ECO 504(3); ECO 165(3) or AGB 144(4); MGT 345(3)
B. Six hours from: ACC 201(3); MGT 341(3); MKT 350(3); NUR 515(3); SOC 341(3) for a total of no fewer than 21 hours.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Occupational Therapy

Programs

Graduate

Occupational Therapy, Master of (MOT)

Accreditation

Accreditation Council for Occupational Therapy Education - Master of Occupational Therapy (MOT)

Contact

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Office of the Registrar
Undergraduate Catalog

Occupational Therapy Faculty

Assistant professors

Ashlea D. Cardin, OTD

Sapna Chakraborty, OTD

Marc S. Willey, PhD

Clinical assistant professors

Tara L. Boehne, MS

Traci A. Garrison, MSOT

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Missouri State

Occupational Therapy Courses

Occupational Therapy (OTE) courses

OTE 610 Foundations and Theory in Occupational Therapy

Prerequisite: admission to the Master of Occupational Therapy program.

This course establishes a foundation for how theory, frames of reference, and models guide occupation-based practice, as well as the history and development of the occupational therapy profession. The science of occupation key terms and concepts utilized in the field, current issues impacting occupational therapy, interprofessional practice, and professional ethics, values and responsibilities are discussed. The various areas of practice and specialization are also introduced.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	0	Fall

OTE 612 Occupational Development Through the Lifespan

Prerequisite: admission to Master of Occupational Therapy program.

The focus of this course is on the skill progressions in typical and atypical development and how these sequences impact occupational performance across the lifespan; environmental and cultural influences on development are also examined. The cognitive, psychosocial and physical aspects of the person on daily function are discussed in relation to occupation-based practice. The acquisition of values, roles, habits, temporal adaptations, interests and interprofessional collaboration are explored.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

OTE 615 Clinical Reasoning and Documentation

Prerequisite: OTE 610.

This course establishes the framework for documenting outcomes of occupation-based practice in an interprofessional environment, summarizes current theories and research about clinical and professional reasoning, and provides learning activities such as case studies designed to promote effective reasoning. Students will learn and apply effective documentation techniques used in the profession including electronic medical records.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

OTE 620 Psychosocial Perspectives in Occupational Therapy Practice

Prerequisite: OTE 610; and concurrent enrollment in OTE 680.

This course provides an overview of psychosocial conditions across the lifespan among various environments that impact client function in the areas of occupation, performance skills and performance patterns. Topics include, but are not limited to crisis intervention, therapeutic use of self, specific intervention strategies, group dynamics, types of groups, group protocol development, and interprofessional collaboration. Cultural and community perspectives of mental and physical health are also examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

OTE 624 Therapeutic Modalities

Prerequisite: OTE 610.

A study of the theory and application of various therapeutic modalities used in the treatment of many injuries, including ultrasound, diathermy, electrical stimulation, hydrotherapy, cryotherapy and thermotherapy. May be taught concurrently with ATC 324. Cannot receive credit for both OTE 624 and ATC 324.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Spring

OTE 640 Evidence-Based Practice

Prerequisite: OTE 610.

Course will analyze the clinical reasoning process used in health care disciplines, examine the different types and levels of clinical evidence and explore the implementation of evidence-based practice skills in the client-centered and occupation-based practice. This course establishes a framework to develop interventions, promote health, well-being and community engagement.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

OTE 645 Clinical Gross Anatomy

Prerequisite: admission to Master of Occupational Therapy program.

The course offers in-depth coverage of basic, applied, and clinical aspects of gross anatomy. An advanced, musculoskeletal anatomy course that emphasizes the study of functional relationships between musculature, nervous tissue, vascular, and skeletal components for the extremities and axial skeleton: Cadaver dissection laboratory experience is used to enhance understanding of three dimensional anatomical relationships for specific body regions. Students observe, discuss, teach, learn and dissect all body systems in detail. This course incorporates traditional didactic lectures, discussions, laboratory dissection, students teaching students (peer-teaching) in laboratory sessions, and assignments that rely on critical thinking. Identical with BMS 645. Cannot receive credit for both OTE 645 and BMS 645.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	3	6	Fall

OTE 646 Neuroscience

Prerequisite: OTE 645.

This course covers the foundations of neuroscience as they relate to the evaluation and treatment of occupational therapy clients. Topics include the properties of cells in the nervous system and major structures and functions of the central, peripheral, and autonomic nervous systems; sensory pathways, central processing and output mechanisms and how systems interact to influence occupational performance. Discussion of neurological diagnoses and theories for treatment is included.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Spring

OTE 650 Introduction to Biomedical Biomechanics

Prerequisite: OTE 645.

Biomechanical fundamentals and principles as they apply to the human organism; description of normal motion emphasizing orthopedic biomechanics and neuromuscular control. May be taught concurrently with BMS 450. Cannot receive credit for both OTE 650 and BMS 450.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

OTE 680 Fieldwork Level I, Part 1

Prerequisite: permission of Master of Occupational Therapy Program Director; and concurrent enrollment in OTE 620.

This course is designed to provide students familiarity with a variety of clients, diagnoses, age ranges, and contexts; and to see the roles or potential roles of occupational therapists. This is a supervised, 35-40 hour fieldwork experience that provides the opportunity to observe the occupational therapy process and interprofessional practice. This experience will focus on psychosocial issues in occupational therapy. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Spring

OTE 690 Fieldwork Level I, Part 2

Prerequisite: permission of Master of Occupational Therapy Program Director.

This course is designed to provide students with continued familiarity with a variety of clients, diagnoses, age ranges, and contexts; and to see the roles or potential roles of occupational therapists. This is a supervised, 35-40 hour fieldwork experience that provides the opportunity to observe the occupational therapy process and interprofessional practice. Must be repeated twice for a total of 2 hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

OTE 720 Conditions I: Cognitive Dysfunction

Prerequisite: OTE 620 and OTE 646.

This course provides an overview of the etiology, incidence and prevalence, signs and symptoms, course and prognosis, and medical management of common cognitive conditions impacting occupational performance. The effects of neurological conditions, disabilities, and disorders on individuals are examined within the cultural context of family, community, and society. Relationships among cognitive disorders, impairments, activity limitations, function/dysfunction, and participation restrictions are emphasized in relation to their impact upon occupation. Students begin to explore occupation-based assessment and treatment of the various conditions seen in interprofessional practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Summer

OTE 725 Environmental Adaptations and Assistive Technology

Prerequisite: admission to Master of Occupational Therapy program.

Concepts, principles, selection and application of environmental adaptations and assistive technology to improve client function across the lifespan will be examined. Domains presented include, but are not limited to vision, hearing, communication, mobility, cognition, and environmental controls, and interprofessional collaboration. Modifications and high and low technology devices used in occupation-based practice will be discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

OTE 730 Conditions II: Physical Dysfunction

Prerequisite: OTE 720.

This course provides an overview of the etiology, incidence and prevalence, signs and symptoms, course and prognosis, and medical management of common physical conditions impacting occupational performance. The effects of physical conditions, disabilities, and disorders on individuals are examined within the cultural context of family, community, and society. Relationships among physical disorders, impairments, activity limitations, function/dysfunction, and participation restrictions are emphasized in relation to their impact upon occupation. Students begin to explore occupation-based assessment and treatment of the various conditions seen in interprofessional practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall

OTE 732 Applied Research Methods in Health Care

Prerequisite: admission to Master of Occupational Therapy program.

Research course in which students deepen their understanding and enhance their research abilities in order to contribute to the advancement of their chosen health care discipline. Course will explore topics of research design and research methods for conducting applied and clinical research projects with a focus on conducting outcomes-related research that can support clinical practices in the

student's respective health care discipline.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

OTE 745 Therapeutic Skills I: Practice with Adults and Older Adults

Prerequisite: OTE 720.

Provides an overview of scientific inquiry, assessment, intervention planning and implementation of occupation-based practice with adults and older adults aged 21 and older; special consideration is given to the context of the family, community, environment and culture. The effects of selected medical conditions most commonly seen in occupational and interprofessional practice within this age group are covered. Students gain practical experience through the lab portion of the course which includes observation, evaluation, and assessment of adults and older adults.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall

OTE 746 Management and Policy in Occupational Therapy Practice

Prerequisite: OTE 615.

This course introduces the student to the role of the occupational therapist as a manager and leader within the broader interprofessional health care system. Students are introduced to management functions, including fiscal management, marketing, and human resource functions. Discussion of regulatory systems, legal considerations, reimbursement mechanisms, current health care policy and emerging issues impacting health care practitioners is provided. Supervisory issues specific to the occupational therapist are explored. Students will identify and illustrate the role of occupational therapy in current policy issues regarding services to underserved communities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

OTE 750 Therapeutic Skills II: Practice with Children and Adolescents

Prerequisite: OTE 745.

Provides an overview of scientific inquiry, assessment, intervention planning, and implementation of occupation-based practice with children and adolescents from birth to age 20; special consideration is given to the context of the family, community, environment and culture. The effects of selected medical conditions more commonly seen in occupational and interprofessional practice with this age group are covered. Students gain practical experience through the lab portion of the course which includes observation, evaluation, and assessment of children.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Spring

OTE 760 Specialty Topics

Prerequisite: admission to Master of Occupational Therapy program.

Variable topics course. In-depth study of contemporary occupation-based practice. Each offering concerns a single topic. Topics of interest will cover areas related to prosthetics and orthotics, low vision, hand/upper extremities, splinting, and current professional issues, interprofessional collaboration, community engagement, faculty expertise, and/or student interest or needs. Must be repeated for minimum of four hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

OTE 765 Community and Health Practice in Occupational Therapy

Prerequisite: admission to Master of Occupational Therapy program.

Coursework will focus on the science, theory and practice of occupational therapy in the promotion of health and wellness and the body's response to stress, illness or injury across the life span. An emphasis will be placed on the cultural and physical context of the community in which occupational and interprofessional healthcare practice occurs. This course integrates knowledge and skills for occupation-based practice to foster healthy development, prevent health problems, maintain optimal function, and enhance the occupational performance skills of individuals, families, and communities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Summer

OTE 770 Professional Capstone: Issues, Diversity, and Ethics

Prerequisite: OTE 732.

This course integrates elements and issues of professional socialization, the process of taking on the identity of an occupational therapist, and internalizing the norms of the profession. Students will incorporate professional ethics, context of services, and current professional and interprofessional issues, clinical reasoning, client-centered practice and evidence-based decision-making into the occupational therapy process. Clinical scenarios related to diverse populations and practice domains will be utilized to synthesize occupation-based interventions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Spring

OTE 780 Fieldwork Level II, Part 1

Prerequisite: completion of all didactic coursework; and permission of Master of Occupational Therapy Program Director.

This course is the first half of the final practice experience in the curriculum to develop competent, entry-level, generalist occupational therapists. This supervised, 12-week fieldwork experience provides in-depth experience in delivering occupational therapy services to clients, focusing on the application of purposeful and meaningful occupation and/or research, administration and management of occupational therapy services. Students demonstrate an ability to evaluate, treat, document and discharge clients with a variety of conditions across the lifespan and in a variety of practice areas. Professionalism, clinical reasoning skills, reflective and ethical practice, and communication with clients, significant others and professional colleagues are enhanced. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Summer

OTE 790 Fieldwork Level II, Part 2

Prerequisite: OTE 780; and permission of Master of Occupational Therapy Program Director.

This course is the second half of the final practice experience in the curriculum to develop competent, entry-level, generalist occupational therapists. Supervised fieldwork experience provides in-depth experience in delivering occupational therapy services to clients, focusing on the application of purposeful and meaningful occupation and/or research, administration and management of occupational therapy services. Students demonstrate an ability to evaluate, treat, document and discharge clients with a variety of conditions across the lifespan and in a variety of practice areas. Professionalism, clinical reasoning skills, reflective and ethical practice, and communication with clients, significant others and professional colleagues are enhanced. This in-depth supervised fieldwork will be in a different practice setting than Fieldwork Level II, Part 1. Students must complete a total of 12 weeks of Fieldwork Level II, Part 2 coursework in either one 12-week experience or two 6-week experiences. Must be repeated for a total of six hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-6			Fall

OTE 798 Research Project

Prerequisite: OTE 732; and permission of Master of Occupational Therapy Program Director.

In-depth scientific study of an occupation-based clinical problem of interest that culminates in a scholarly paper and formal community presentation. Must be repeated three times for a total of three hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring, Summer

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Missouri State

Department of Physical Therapy

Programs

Graduate

Doctor of Physical Therapy (DPT)

Accreditation

American Physical Therapy Association-Commission on Accreditation in Physical Therapy Education – Doctor of Physical Therapy (DPT)

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Missouri State

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Undergraduate Catalog

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Missouri State

Physical Therapy Courses

Physical Therapy (PTE) courses

PTE 707 Medical Human Anatomy

Prerequisite: admission to the program or permission of the department head of Physical Therapy.

This course offers an in-depth coverage of basic, applied, and clinical aspects of gross anatomy. Students observe, discuss, teach, learn, and dissect all body systems in detail. This course incorporates traditional didactic lectures, discussions, laboratory dissection, students teaching students in laboratory teaching sessions, and assignments that rely on critical thinking. Course will include on-site and blended components to facilitate integration of content and principles related to physical therapy. Must be admitted to the Doctor of Physical Therapy program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	3	9	Summer

PTE 710 Introduction to Physical Therapy

Prerequisite: admission to the program.

This course provides an overview of physical therapy, including the history of physical therapy and the APTA, and the physical therapist's professional responsibilities. This information is combined with the acquisition of skills and knowledge necessary to be successful in managing patients. The topics that are discussed in Professional Issues I, e.g., Code of Ethics, the Guidelines for Physical Therapy Documentation, and the Guidelines for Professional Conduct, are "transformed" into practical skills that are necessary to professionally interact with patients. Hence this course combines these concepts with the skills necessary to provide patient care. These skills include the assessment of vital signs, basic measurement techniques, examination of the body, ensuring patient safety, infection control, using proper body mechanics, using appropriate transfers, gait training, and basic documentation, and patient and family education. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Fall

PTE 711 Professional Issues I

Prerequisite: admission to the program.

This course provides an overview of physical therapy and the physical therapist's professional responsibilities. Information regarding the Code of Ethics, the Guidelines for Physical Therapy Documentation, and the Guide for Professional Conduct are essential components of this course. This course focuses on the psychological and social aspects of communication in health care and providing care and services to patients. This includes patients' rights, the psychological impact of illness, social considerations such as gender, race, culture and ethnicity.

These concepts are integrated using case studies of various patient-therapist situations. This course may be taught as a blended course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Summer

PTE 712 Clinical Biomechanics for Physical Therapy

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides the basis for understanding human movement. Content includes study of the mechanical properties of musculoskeletal tissues (bone, muscle, cartilage, ligament and tendon). It also includes foundations to understand the physics of human movement (forces and moments, joint lever types, understanding joint forces through two-dimensional vector problems and static equilibrium equations). It also includes the study of the movement, muscle function, and dynamics of upper and lower limbs. Students study interactions in structure and neuromuscular control of the limbs as they relate to understanding normal and abnormal human movement. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Summer

PTE 713 Embryology

Prerequisite: admission to the program.

In this course students will examine how prenatal development explains structures and functions of the human body. This course describes the major features of embryology, maturation of the fetus, changes that occur during pregnancy and childbirth. Included in this course will be discussions of birth defects and the potential cause of these defects. This course will cover the major systems of interest to physical therapy such as musculoskeletal system, cardiopulmonary system and neurological systems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Summer

PTE 714 Imaging Analysis in Physical Therapy Practice

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course emphasizes the analysis and interpretation of diagnostic images of patients with a variety of impairments or dysfunctions of the musculoskeletal, cardiopulmonary, nervous, and circulatory systems as they apply to contemporary physical therapy practice. Various imaging techniques will be incorporated into case studies which will be used to emphasize incorporation of image findings into the process of patient management. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	1	Spring

PTE 720 Neuroanatomy-Neuroscience

PTE 720 Neuroanatomy-Neuroscience

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course describes the gross anatomy and applied function of the central and peripheral nervous systems. Normal anatomy and function is compared and contrasted with abnormal anatomy and function due to disease or injury.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Fall

PTE 721 Professional Issues II

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course focuses on employment settings, legal issues regarding Physical Therapist Assistants, the structure of the American Physical Therapy Association, regulations, policies, practice acts, federal legislation, and direct access to patients. Additionally, this course focuses on the legal aspects of professional life including basic elements of contract law, criminal law, educational law, employment law, insurance law, and business law. Students continue to develop an Individual Clinical Internship Plan with specific goals and objectives and select clinical sites for Clinical Internship I - II. Case studies and integrative experiences may be used to emphasize the process of patient management. This course may be taught as a blended course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

PTE 722 Physical Agent and Mechanical Modalities

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course describes thermal modalities (diathermy, therapeutic heat and cold, therapeutic ultrasound, low-power lasers, ultraviolet therapy) and mechanical modalities (spinal traction, intermittent compression devices, continuous passive movement devices, therapeutic soft tissue mobilization, and massage). In addition, the underlying scientific principles and clinical uses of physical agents and mechanical modalities are described. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	3	Spring

PTE 723 Patient Management: Musculoskeletal I

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course emphasizes the management of patients with musculoskeletal dysfunctions of the appendicular and axial skeleton. Case studies are used to emphasize the process of patient management, i.e., examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment. General and specific examination and treatment techniques are included, stressing the integration of knowledge and skills. Treatment techniques include (but are not limited to) the use of soft tissue mobilization, myofascial release, therapeutic exercise, and basic joint mobilization. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

4 **Credit hours**	3 **Lecture contact hours**	3 **Lab contact hours**	Fall **Typically offered**

PTE 726 Clinical Kinesiology for Physical Therapy

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides the basis for understanding human movement and is a continuation of Clinical Biomechanics of Physical Therapy. Content includes study of movement, muscle function and dynamics of the axial body (craniomandibular complex, spinal column, neck, trunk, and pelvis). Content also includes basic principles of neuromuscular control, especially in the context of human functions which integrate multiple body segments, namely posture and gait, applied to normal and pathological conditions. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	3	Fall

PTE 730 Motor Control/Motor Learning

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

In this course students will examine the framework necessary to apply current theory and research on motor control and motor learning to the practice of physical therapy. This course extends the information covered in Neuroanatomy - Neuroscience by discussing the neurophysiological basis of motor control and motor learning. Through the use of case studies and integrative experiences, students will apply principles of motor control, motor learning, and motor development to treat postural and mobility dysfunctions. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management. This course may be taught as a blended course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

PTE 731 Pathophysiology/Differential Diagnosis I

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course covers pathological conditions and their implications for Physical Therapists. All major systems of the body are studied. The pathophysiological portion of the course integrates the knowledge acquired in physiology with abnormal physiology caused by pathology. Case studies are used to integrate concepts in patient management related to pathology and pathophysiology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PTE 732 Electrotherapeutic Modalities and Clinical Electrophysiology

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course describes electrotherapeutic modalities and clinical electrophysiologic testing. In addition, the underlying scientific principles and clinical uses and application of electrotherapeutic modalities and clinical electrophysiologic testing are incorporated. Major topics in this course include: electrical stimulation of muscle, electrical stimulation to control posture and movement (FES/NMES), electrical stimulation to control pain, electrical stimulation to promote tissue healing, iontophoresis, electroneuromyography, EMG, NCV, and biofeedback. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

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Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	3	Summer

PTE 733 Patient Management: Musculoskeletal II

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course builds on the knowledge and skills acquired in Patient Management: Musculoskeletal I. This course emphasizes the management of patients with musculoskeletal dysfunctions of the appendicular and axial skeleton. Case studies are used to emphasize the process of patient management, i.e., examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment. General and specific examination and treatment techniques are included, stressing the integration of knowledge and skills. Treatment techniques include (but are not limited to) the use of soft tissue mobilization, myofascial release, therapeutic exercise, and basic joint mobilization. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Spring

PTE 737 Clinical Internship I

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides an introduction to the clinical education component of the curriculum, as well as a four week, full-time clinical internship. Learning styles will be discussed, as well as how clinically-based learning may differ from classroom or laboratory experiences. Students will continue to develop their clinical internship plan and specific goals and objectives for this Clinical Internship. Students will complete a case study or present an "in-service" while on the four week internship write a short, reflective paper, and meet the requirements established by the program and the clinical facility.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Summer

PTE 740 Research Methods and Design

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

In this course students will examine the various types of research, as well as the differences, similarities, and overlaps between them. Specific topics include types of research designs (experimental and non-experimental research), formulation of research questions/hypothesis, issues on ethics, informed consent, control group, measurement, variables, bias, data collection and analysis, and validity of conclusion. Students will begin developing their research projects and acquire skills requisite for using scientific evidence for effective patient care.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

PTE 741 Pathophysiology/Differential Diagnosis II

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

In this course students will examine systems assessments necessary to screen patients for disorders and diseases that require referral to other healthcare providers. It prepares students for autonomous practice in a medical environment in which consumers will have direct access to physical therapy services. This course covers muscular, skeletal, neurological, cardiovascular, pulmonary, hematologic, gastrointestinal, renal, urological, hepatic, and endocrine diseases. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

PTE 743 Patient Management: Neuromuscular I

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course emphasizes the management of patients (children and adults) who have neurological diagnoses. Specific pathologies to be discussed include balance and vestibular disorders, disorders of the spinal cord, genetic disorders, and neuromuscular disease. Case studies, laboratory experiences, and integrative experiences are used to emphasize the process of patient management, i.e., examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment. General and specific examination and treatment techniques are included stressing the integration of knowledge and skills.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Spring

PTE 744 Patient Management: Cardiovascular and Pulmonary Problems

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course presents an overview of cardiac, vascular, and pulmonary physical therapy. It integrates foundational information such as anatomy, physiology, exercise physiology, embryology, histology, pharmacology, pathology, and pathophysiology into a meaningful basis on which patient management strategies are based. This course introduces the student to cardiovascular and pulmonary assessments, interventions, and outcome analyses. The course includes information specific to pediatric, adolescent, adult, and geriatric patients.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Spring

PTE 747 Clinical Internship II

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides for continuing development of clinical skills in the form of a six week, full-time clinical internship. Students will continue to develop their clinical internship plan and specific goals and objectives for Clinical Internship II. Students will complete a case study or present an "in- service" while on the six week internship write a short, reflective paper, and meet the requirements established by the program and the clinical facility.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall

PTE 750 Research and Outcome Analysis

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course focuses on the management of data generated by research and outcome analyses. It will fully integrate the use of statistical methods, understanding the results of applying these methods, and making inferences or conclusions based upon the data analysis. It also addresses the larger scope of disseminating this information, professional responsibility to the public to generate meaningful data, and methods of critically analyzing results and conclusions drawn by others. In the latter portion of the course, students identify their research interests, choose or are assigned a research advisor and write a research project proposal.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

PTE 753 Patient Management: Neuromuscular II

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course is an extension of Patient Management: Neuromuscular I. This course emphasizes the management of patients (children and adults) who have neurological diagnoses including cerebral palsy and cerebrovascular accidents. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management, i.e., examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment. General and specific examination and treatment techniques are included stressing the integration of knowledge and skills.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	3	Summer

PTE 754 Patient Management: Special Considerations Across the Life Span

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

In this course students will review biological, psychological, and sociocultural theories of maturation and aging of human beings applicable to the practice of physical therapy. Through case studies, laboratory experiences, and integrative experiences, students will compare and contrast the maturation and aging process of individuals with and without disabilities; will understand how health, fitness, and physical activity contribute to quality of life; and will apply principles learned to the examination, evaluation, and treatment of individuals of all ages. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Spring, Summer

PTE 756 Patient Management: Integumentary

PTE 756 Patient Management: Integumentary

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course is correlated with information provided in Pathology-Pathophysiology, Neuroanatomy-Neuroscience I and II, and in Physical Agents, Mechanical Modalities, and Electrotherapeutic Modalities. Specific topics that are discussed include (but are not limited to) the prevention of skin disorders, management of burns and other open wounds, and the use of specific modalities to facilitate wound repair.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	3	Summer

PTE 757 Clinical Internship III

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides for clinical practice of developing skills in the form of a six week, full-time clinical internship. Students will continue to develop their clinical internship plan and specific goals and objectives for Clinical Internship III. Students will complete a case study or present an "in-service" while on the six week internship, write a short, reflective paper, and meet the requirements established by the program and the clinical facility.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Spring

PTE 760 Management of Research Projects

Prerequisite: admission to the program.

Application of the research process via supervised study of a selected problem culminating in completion of an extensive scholarly product. Variable content course. Course must be repeated for a total of 6-12 hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Fall, Spring, Summer

PTE 761 Contemporary Issues in Professional Practice

Prerequisite: admission to the program.

This course focuses on some of the more specialized areas of physical therapy. This includes diseases, conditions, or practice areas such as women's health, osteoporosis, pelvic floor dysfunction, pregnancy, sports medicine, chronic pain, management of persons with AIDS and HIV infection, lymphedema, selected problems in human behavior, ergonomics, and industrial health and physical therapy. Alternative and holistic therapies are discussed, as well as their relationship and integration with patient rehabilitation. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Summer

PTE 762 Medical Pharmacology

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course focuses on medical pharmacology, particularly those aspects that significantly impact the practice of Physical Therapy. Specific topics include drugs that affect the autonomic nervous system, the cardiovascular system, the central nervous system, and the endocrine system. In addition, anti-inflammatory, antiviral, antibacterial, and chemotherapeutic drugs are discussed. Case studies augment clinical information and emphasize patient management.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

PTE 763 Patient Management: Neuromuscular III

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course is an extension of Patient Management: Neuromuscular 1 and II. This course emphasizes the management of patients (children and adults) who have neurological diagnoses including cognitive disorders, encephalopathies, multiple sclerosis, Parkinson disease, and brain injuries. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management. General and specific examination and treatment techniques are included stressing the integration of knowledge and skills.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Fall

PTE 764 Patient Management: Exercise Physiology, Nutrition, and Wellness

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course describes the effects of physical activity on human performance across the life span. The effects of exercise (or lack thereof) are considered for each system in the body. Strategies for improving physical performance in a variety of settings are considered, as well as fundamental principles of good health in relation to exercise.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Fall

PTE 765 The Physical Therapist as Educator

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course focuses on educational theories and methodology relevant to the physical therapist in a variety of physical therapy settings. These topics are discussed in the context of promoting optimal health, preventing injury and illness, and promoting wellness. Upon completion of this course, the student will be able to utilize educational concepts and theories in the design, implementation, and evaluation of learning experiences used in the education of the community, industry, patients, families, students, colleagues, and self.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Summer

PTE 767 Health Care Systems and the Physical Therapist

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course is an introduction to the various health care delivery systems in the United States, and provides a synopsis of the health care systems found in countries other than the United States. This course allows students to explore the provision of physical therapy services within the constraints of the existing health care systems, and to identify community needs, and resources.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Summer

PTE 773 Patient Management: Musculoskeletal III

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course builds on the knowledge and skills acquired in Patient Management: Musculoskeletal 1 and II. This course emphasizes the management of patients with musculoskeletal dysfunctions of the appendicular and axial skeleton. Case studies are used to emphasize the process of patient management, i.e., examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment. Sophisticated examination and manual mobilization techniques are covered in detail.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	3	Summer

PTE 785 Histology and Tissue Biology

Prerequisite: enrollment in the program and successful completion of all prior course work therein, and permission of instructor.

Course emphasizes the structure and basic function of all the major tissues and cell types in the human body. Includes normal cell and tissue morphology and the adaptations that occur as a result of various stimuli both normal and abnormal. This is a variable content course. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

PTE 800 Advanced Topics in Geriatrics

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

In this course students gain insight into physical therapy related to the elderly population, their special needs and physiological changes, living environments, resources, etc. For an additional credit hour of this course, students are encouraged to develop further knowledge, skills, etc., with the elderly population. Based upon student interest and instructor approval, students may pursue additional in-depth study in areas such as (but not limited to): education, skill development, service-learning, investigation, psychomotor skills, psychosocial issues, healthcare system, reimbursement, etc., related to geriatrics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

PTE 801 Vestibular Rehabilitation

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course describes the anatomy and physiology of the vestibular system and an overview of various pathologies associated with patient complaints of vertigo, dizziness, and balance disorders. Principles of examination, evaluation, assessment, and rehabilitation of the patient with impairment of the vestibular system and/or impaired balance are described and performed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

PTE 802 Advanced Regional Anatomy

Prerequisite: Enrollment in the program and permission of instructor.

This is a variable content course offering in-depth coverage of basic, applied, and clinical aspects of gross anatomy of one or more of the following regions: head and neck, upper extremity, trunk, and lower extremity. Students observe, discuss, teach, learn and dissect selected body systems in detail. This course may incorporate traditional didactic lectures, problem based discussions, laboratory dissection with assignments that rely on critical thinking. Students relate anatomical structure to functional relations and correlate structure with clinical assessments and treatments. Students make oral presentations and use the library and other sources of information (such as the internet) to learn. Course may be repeated up to a maximum of 9 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

PTE 803 Advanced Topics in Musculoskeletal Physical Therapy

Prerequisite: Enrollment in the program and permission of instructor.

This is a variable content course emphasizing the management of patients with musculoskeletal dysfunction focusing on research, differential diagnosis and advanced manual examination and treatment techniques. Case studies are used to emphasize the evidence-based process of patient management, i.e., examination, assessment, diagnosis, prognosis treatment, analysis of functional outcomes, and re-assessment. Students will focus on management of musculoskeletal dysfunction relation to one or more of the following regions: the upper extremity, the pelvis and lower extremity, or the spine and sacroiliac joint. Course may be repeated up to a maximum of 9 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

PTE 804 Advanced Topics in Pediatrics

Prerequisite: enrollment in the program and permission of instructor.

This is a variable content course designed to allow students to develop their cognitive, psychomotor or affective skills at an advanced level in the area of physical therapy for children. The course may involve readings, projects, and direct clinical experiences individually contracted between the instructor and the student. Course may be repeated up to a maximum of 9 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

PTE 871 Physical Therapy Management and Administration

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course will provide students with opportunities to develop managerial and supervisory skills in healthcare settings where physical therapy is provided. Students will apply business and leadership principles through development of a physical therapy business. Understanding of business principles is demonstrated including facility planning, determining and utilizing appropriate business structure, financial management, leadership and communication skills, risk management, legal considerations, and use of consultants. Additionally, students are provided with opportunities to learn and apply management skills through involvement with community partners functioning in leadership positions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PTE 872 Orthotics, Prosthetics, and Assistive Technologies

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course covers limb amputations, orthotic and prosthetic devices, and splints. The use of orthoses, prostheses, and splints is fully integrated into principles of patient management. Advanced wheelchair prescriptions are discussed, as well as advanced technologies (computer technologies, etc.) that are useful in rehabilitation including occupational and industrial therapies and devices.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

PTE 873 Patient Management: Advanced Differential Diagnosis

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course focuses on managing patients using a "life-long" conceptual basis. It stresses the importance of being proactive in resolving complex issues, particularly those that impact patients for a lifetime. Critical thinking is an integral part of this course. Cost effectiveness, efficiency, long-term planning, and using the best adaptive equipment for the long-term are emphasized. The elements of patient/client management as described in The Guide to Physical Therapist Practice are used to guide the clinical decision making process. Integral to this course will be the use of case-based learning modules.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PTE 877 Clinical Internship IV

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides continued clinical practice of skills in the form of an eight-week, full-time clinical internship. Students will continue to develop their global clinical internship plan, while writing specific goals and objectives for Clinical Internship IV. Students will complete a case study or present an "in-service" while on the eight-week internship, write a short, reflective paper, and meet the requirements established by the Program and the clinical facility. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
8			Fall

PTE 880 Research Seminar

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course is an extension of Management of Research Projects. Students will present their scholarly work to faculty and fellow students as a platform or poster presentation. Variable content course. Graded Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Spring

PTE 883 Patient Management: Critical Integration and Analysis

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course stresses the importance of being proactive in resolving complex issues, particularly those that impact patients for a lifetime. Cost effectiveness, efficiency, long-term planning, and using the best adaptive equipment for the long-term are emphasized. The elements of patient management as described in The Guide to Physical Therapist Practice are used to guide the clinical decision making process. Critical thinking is an integral part of this course. The course will culminate with the preparation of complex case studies of patients treated by each student while on Clinical Internship IV and V and the presentation of these case studies to student peers and faculty in a teaching seminar. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Spring

PTE 887 Clinical Internship V

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides clinical practice in the form of an eight-week, full-time clinical internship. Students will continue to develop their global clinical internship plan, while writing specific goals and objectives for Clinical Internship V. Students will complete a case study or present an "in-service" while on the eight-week internship, write a short reflective paper, and meet the requirements established by the program and the clinical facility.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
8			Spring

PTE 888 Clinical Internship VI

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides clinical practice in the form of a six-week, full-time clinical internship. Students must meet the requirements established by the Program and the clinical faculty. After completion of Clinical Internship VI and upon their return to campus, students will enter a period of in-depth self-analysis and reflection concerning Clinical Internship VI and the entire clinical education experience.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Spring

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Physician Assistant Studies

Programs

Graduate

Physician Assistant Studies (MS)

Accreditation

Accreditation Review Commission on Education for the Physician Assistant – Physician Assistant Studies (MS)

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Missouri State

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Prerequisite: admission to the MS in Physician Assistant Studies.

A continuation of Clinical Assessment I. Emphasis will be on continued development of interviewing and physical examination skills, recognizing and interpreting abnormal physical findings, developing problem lists and differential diagnoses, and refining the recording and presenting of patient evaluation data. In addition, students will learn advanced assessment techniques and perform written and practical skills examinations that incorporate the objective structured clinical exam (OSCE).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Summer

PAS 769 Behavioral Medicine

Prerequisite: admission to the MS in Physician Assistant Studies.

A biopsychosocial systems approach to the individual, family and community within the health care delivery system that includes issues germane to public health and rural medicine. A variety of topics such as growth and development, human sexuality, health promotion and disease prevention, health education, patient compliance, cultural diversity, substance abuse, family violence, child abuse and rural health issues are examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

PAS 770 Professional Issues Seminar

Prerequisite: admission to the MS in Physician Assistant Studies.

Seminar format for discussion of professional and legal issues relevant to the physician assistant profession. Includes topics such as the history of the profession, health care systems, professional organizations, national certification, Missouri licensure, prescriptive privileges, and clinical ethics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Summer

PAS 775 Principles of Clinical Problem Solving

Prerequisite: admission to the MS in Physician Assistant Studies or permission.

Introduction to critical thinking skills and problem solving techniques. Incorporates problem based learning format where small groups of students under the supervision of a group leader explore the various facets of "real-life" clinical case scenarios.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

PAS 776 Clinical Problem Solving Seminar

Prerequisite: admission to the MS in Physician Assistant Studies.

Advanced exercises in clinical problem solving in a small group format. Commonly presenting clinical problems are utilized as a means to refine students' ability to choose appropriate steps to determine a definitive diagnosis/outcome.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall

PAS 777 Introduction to Research and Clinical Epidemiology

Prerequisite: admission to the MS in Physician Assistant Studies.

Foundations of quantitative and qualitative research methodology related to the study of disease in populations. Includes issues related to study design, data collection, and methods of statistical analysis with a focus on application of these principles in the clinical setting. Will serve as the foundation for development of the clinical year research project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

PAS 780 Pharmacotherapeutics I

Prerequisite: admission to the MS in Physician Assistant Studies.

The first in a two-course sequence to introduce the principles of pharmacology and pharmacotherapeutics for the diagnosis, prevention and treatment of disease. Emphasis will be placed on the pharmacological, pharmacokinetic and pharmacodynamic properties of drugs and drug classes used in medical practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Summer

PAS 781 Advanced Pharmacotherapeutics

Prerequisite: completion of PAS 780, or RN, or permission.

In-depth analysis of pharmacotherapeutics and the application of drugs for the diagnosis, treatment and prevention of disease. Emphasis will be placed on the rational use of drugs in the care and treatment of pediatric, adult and geriatric patients in primary care settings. Will include discussion of treatment guidelines, indications, contraindications, prescription writing, drug law, drug information resources and case studies. Identical with NUR 761. Cannot receive credit for both PAS 781 and NUR 761.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PAS 783 Clinical Practicum I

Prerequisite: admission to the MS in Physician Assistant Studies and successful completion of didactic course work.

A two week clinical experience with a minimum of 64 hours patient care under the supervision of a physician preceptor. Emphasis will be on refining interviewing, physical examination, recording and written/oral presentation skills.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	4	Summer

PAS 784 Clinical Practicum II

Prerequisite: admission to the MS in Physician Assistant Studies.

Preparative course for the clinical year which promotes professional communication skills and an understanding of pertinent clinical practice topics and issues including interprofessional disciplines, medical practice organization, health literacy, chronic care, hospice care, and financial aspects of medical practice including billing and coding.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	4	Fall

PAS 785 Clinical Medicine I

Prerequisite: admission to the MS in Physician Assistant Studies.

The first in a two-semester course sequence. Introduction to clinical medicine through an organs systems approach that examines the pertinent anatomy, pathophysiology, diagnosis, treatment, follow-up, patient education, and prevention strategies for the various disease entities. Emphasis will be on problems frequently encountered in primary care settings. Includes lecture and discussion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	2	Summer

PAS 786 Clinical Medicine II

Prerequisite: admission to the MS in Physician Assistant Studies.

A continuation of Clinical Medicine I that emphasizes the organs systems approach to examine the pertinent anatomy, pathophysiology, diagnosis, treatment, follow-up, patient education, and prevention strategies for the various disease entities. Emphasis will be on problems frequently encountered in primary care settings. Includes lecture and discussion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6	6	2	Fall

PAS 787 Laboratory Medicine and Clinical Procedures

Prerequisite: admission to the MS in Physician Assistant Studies.

"Hands-on" laboratory format class that introduces the student to skills needed to perform diagnostic and therapeutic procedures such as

"Hands-on" laboratory format class that introduces the student to skills needed to perform diagnostic and therapeutic procedures such as performing/interpreting basic laboratory tests, phlebotomy, casting and splinting, knot tying, suturing, intravenous line insertion, aseptic technique, catheterization, and other clinical skills.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	3	Fall

PAS 788 EKG and ACLS

Prerequisite: admission to the MS in Physician Assistant Studies.

A study of the principles and practical applications of electro-cardiography for the physician assistant, followed by an Advanced Cardiac Life Support course. Lecture, lab, interactive CD, and "mock code" skills training.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall

PAS 790 Clinical Preceptorship

Prerequisite: admission to the MS in Physician Assistant Studies and promotion from the didactic year.

Consists of a six-week structured clinical experience under the supervision of a qualified preceptor that will introduce the student to the evaluation, diagnosis, treatment, monitoring, patient education, and referral of patients for the various clinical presentations within a specific discipline. The emphasis will be on problems encountered in primary care settings. Specific cognitive, skill, and attitudinal objectives are defined for each core clinical area, including family practice/primary care, general surgery, psychiatry/behavioral medicine, internal medicine, emergency medicine, women's health, and pediatrics. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	0	40	Fall, Spring, Summer

PAS 797 Clinical Practice Issues Seminar

Prerequisite: clinical year standing in the MS in Physician Assistant Studies.

Provides a forum for topics germane to the clinical practice setting and transition to professional practice. Topics of interest will cover areas such as managed health care, ethical decision-making, pharmacological management, resume preparation, job negotiation skills, the national certification examination, etc. May be repeated for a maximum of 3 hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring, Summer

PAS 798 Research Project

Prerequisite: clinical year standing in the MS in Physician Assistant Studies.

In-depth study of a clinical problem of interest that culminates in a scholarly paper and formal presentation.

In depth study of a clinical problem of interest that culminates in a scholarly paper and formal presentation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2			Fall

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Missouri State

Department of Psychology

Programs

Undergraduate

Gerontology (BS, Minor)

Psychology (BA, BS, Minor)

Forensic Child Psychology (Certificate)

Criminal Investigation (Certificate)
Interdisciplinary program offered by Department of Criminology and Criminal Justice and Department of Psychology

Graduate

Psychology (MS)

Applied Behavior Analysis (MS)

Forensic Child Psychology (Certificate)

Statistics and Research Design (Certificate)

Accreditation

Council of Applied Masters Programs in Psychology (certification only) – Psychology option in Industrial/Organizational (MS)

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Missouri State

Psychology Courses

Gerontology (GER) courses

GER 300 Service Learning Curricular Component

Prerequisite: 30 hours and concurrent registration in a gerontology course designated as service learning offering.

An integrative learning experience which addresses the practice of citizenship and promotes an awareness of and participation in public affairs by incorporating community service with classroom instruction. Includes 40 hours on-task service to a community organization, agency or public service provider. The community service placement agency and service assignment will vary, dependent on the course topic and learning objectives. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

GER 301 The Elderly and the Media: Confronting Popular Stereotypes

Prerequisite: 30 hours.

Students will be introduced to common stereotypes held about the elderly within our society and statistics and information which prove these stereotypes to be false. Public perceptions of the elderly will be studied through the use of five commercial motion pictures and a review of four articles covering topics related to the theme of each of the films. The class will focus on how stereotypes about the elderly are both reinforced and challenged in commercial motion pictures, how stereotypes affect an older person's self-concept, and how popular ageist stereotypes shape our own views on growing older.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

GER 309 Identity and Aging in Literature and Film

Prerequisite: PSY 121 or SOC 150; and ENG 110.

Emphasizes the experience of aging as perceived from the older person's point of view and that of society. Situations in later life will be explored through the use of short stories, selected articles, and videos. The topics covered will include health, friendship and relationships, widowhood, family and intergenerational relationships, perceptions of death and dying, and finding purpose and meaning in life. Students will acquire a basic understanding of identity issues and factors that contribute to well-being in later life. Identical with PSY 309. Cannot receive credit for both GER 309 and PSY 309.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GER 351 Psychology of Adulthood and Aging

Prerequisite: PSY 121 or GER 375.

Principles and practical applications in development of the adult. Includes psychological effects of personality and intellect. Both normal and abnormal phenomena are considered. Identical with PSY 350. Cannot receive credit for both GER 351 and PSY 350.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

GER 354 Gender and Sexuality in Later Life

Prerequisite: PSY 121 or SOC 150; and GST 170 or 45 hours.

A comparison of the aging experiences of men and women in later life. The relevance of gender, gender roles and sexuality to the aging process will be considered. Specific topics of analysis will include the gender gap in longevity, psychological and physical health, LGBTQ status, minority status, socioeconomic status, family relationships, and public policy issues. Identical with PSY 354. Cannot receive credit for both GER 354 and PSY 354.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GER 363 Death and Human Behavior

Prerequisite: PSY 121 or SOC 150.

An introduction to the varied aspects of death and dying. The course will focus on attitudes toward death, fears of death and dying, special needs of those who have a life threatening illness, means of helping the survivors and techniques for prolonging life. Identical with PSY 363. Cannot receive credit for both GER 363 and PSY 363.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

GER 366 Families in Later Life

Prerequisite: PSY 121 or SOC 150; and CFD 155 or CFD 163 or 30 hours.

Examination of the structure and function of families in later life. Topics of interest include demographic trends impacting the structure of the family, marriage, sibling relations, parent-adult child relations, grandparenthood, widowhood, and retirement. The application of family theories and their relevance to later life families will be discussed. Identical with CFD 365, SWK 365, and PSY 366. Can only receive credit

for one of following: CFD 365, GER 366, PSY 366 or SWK 365.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

GER 370 Mental Health and Aging

Prerequisite: PSY 121 or SOC 150.

Personality adjustment in old age, with emphasis both on adequate and maladjusted development. Factors influencing adjustment are considered. Both functional and organic sources of maladjustment are surveyed. Identical with PSY 370. Cannot receive credit for both GER 370 and PSY 370.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GER 375 Social Forces and Aging

Prerequisite: PSY 121 or SOC 150; and 30 hours.

Examines the aging process, demographic trends, and the social, economic, and social-psychological aspects of aging in the United States. Students will be introduced to current theories on aging in social gerontology and their application to the everyday lives of older people. Topics of interest include social attitudes toward aging, family and social bonds, work and retirement, gender issues, ethnicity and aging, living environments, and approaches to aging well. Students will learn about the role of federal, state and local agencies in meeting the needs of the elderly. Identical with SOC 375. Cannot receive credit for both GER 375 and SOC 375.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

GER 396 Directed Readings in Gerontology

Prerequisite: 6 hours of gerontology and permission.

Readings designed to supplement material introduced in previous Gerontology courses. Includes a wide selection of literature in the field. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GER 397 Special Topics in Gerontology

Prerequisite: 6 hours of designated courses in the gerontology major.

In-depth inquiry into selected interdisciplinary topics of contemporary interest in gerontology. May be repeated to a total of 6 hours when topic changes. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GER 470 Community Resources for Older Adults

Prerequisite: GER 375.

Covers the services, programs and institutions involved in providing services to older adults in the United States, with a focus on community-based services. Typical needs, issues, concerns and desires of older persons are identified and corresponding community-based services to address these needs are discussed. Emerging issues and developments in the field of gerontology will also be discussed as they relate to community services and resources. Site visits to agencies and organizations serving older adults will enhance students' familiarity with resources to improve the quality of life and well-being of aging members in our society. Identical with SWK 470. Cannot receive credit for both GER 470 and SWK 470.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

GER 480 Policies and Older Adults

Prerequisite: GER 375.

Students will be introduced to the development and practice of social policy, on the state and federal level, and how it affects services to the older adult population. Political organizations that influence the lives of the elderly (e.g., the American Association of Retired Persons, Gray Panthers, Older Women's League) will be examined as well as government and social welfare programs (i.e., Social Security, Medicaid and Medicare). What constitutes "citizenship" and the role of a "senior citizen" will also be explored.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GER 492 Directed Research

Prerequisite: GER 375 and permission of sponsoring faculty member and department head.

Allows students to gain research experience by working with an individual faculty member either as a research assistant or as a primary researcher working under faculty supervision. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

GER 597 Special Topics in Gerontology

Prerequisite: 90 hours; and 12 hours of gerontology.

In-depth inquiry into selected interdisciplinary topics of contemporary interest in gerontology. May be repeated to a total of 6 hours when topic changes. Variable content course. May be taught concurrently with GER 697. Cannot receive credit for both GER 697 and GER 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GER 598 Supervised Practicum in Gerontology

Prerequisite: concurrent enrollment in GER 599; completion of gerontology core courses with a grade of "C" or better in each; and permission of the program coordinator.

Onsite contacts with elderly individuals through an internship at a residential or community placement approved by the coordinator. Direct supervision will be provided by qualified professionals in the field of gerontology. Students will serve 45 clock hours for each credit hour awarded. May be repeated to a total of 12 hours. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6-9			Fall, Spring

GER 599 Seminar in Gerontology

Prerequisite: concurrent enrollment in GER 598; completion of the gerontology core courses with a grade of "C" or better in each; and permission of the program coordinator.

Weekly meetings to allow students to correlate experiences in GER 598 with academic knowledge, share experiences, and broaden contacts in the field of aging. Survey of current literature in gerontology from various disciplines will be included. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

GER 697 Special Topics in Gerontology

Recommended Prerequisite: 12 hours of Gerontology. In-depth inquiry into selected interdisciplinary topics of contemporary interest in gerontology. Variable content course. May be repeated to a total of 6 hours when topic changes. May be taught concurrently with GER 597. Cannot receive credit for both GER 597 and GER 697.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

Psychology (PSY) courses

PSY 101 Psychology for Personal Growth

A study of the emotional, intellectual, and interpersonal experiences of self and others in order to enhance self-understanding, to make informed choices, and to promote adjustment. Will not count toward the major or minor in psychology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 121 Introductory Psychology

General Education Course (Focus on Social and Behavioral Sciences).

An examination of how psychology enhances our understanding of human behavior; a survey of basic biological, experiential, cognitive, emotional, and sociocultural influences on behavior and self-understanding. Students must choose either to be research participants or fulfill an alternative library assignment as part of the course requirements. Honors sections are taught in a lecture/lab format.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	PSYC 100 - General Psychology.

Access the CORE 42 portal

PSY 150 Introduction to the Psychology Major

This course is required for admission to the psychology degree program and is recommended for students considering psychology as a major. Students will learn about specialties and careers in the field, understand the training and education necessary for various careers, develop professional goals, explore minor options, and become familiar with the psychology faculty and their specialties. Not required for the Psychology minor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring, Summer

PSY 160 The Pursuit of Happiness: A Psychological Perspective

Explore the sources of our moods with an emphasis on skills for achieving healthy, happy, and productive feelings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

PSY 197 Topics in Psychology

Selected topics especially appropriate for lower division students (examples: meaning of death, preparation for marriage, and child rearing practices). May be repeated for a maximum of 4 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

PSY 200 Psychological Statistical Methods

Prerequisite: PSY 121; and completion of General Education mathematics requirement.

Principles and methods of statistics used in psychology; understanding and interpreting psychological data. Cannot receive credit toward a degree for more than one of the following courses: AGR 330, IPE 381, MTH 340, PSY 200, QBA 237, REC 328, SOC 302.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 203 Introduction to Research

Prerequisite: PSY 121; and completion of General Education mathematics requirement.

This course will provide an integrated approach to elementary research design and statistical methods. Students will review current research and develop small projects for which statistical methods will be selected and applied. This course cannot be substituted for PSY 200 and/or PSY 201 on the psychology major and will not count toward the Psychology major. This course is designed for psychology minors and will not prepare students for graduate work in Psychology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 240 Psychology of Humor

Prerequisite: PSY 121.

Introduction to psychology of humor, includes theories of humor and explorations of humor through different areas of psychology, for example cognitive, social, developmental, personality, and health psychology. Focus will be on thinking critically about humor research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 250 Analysis of Interpersonal Behavior

Prerequisite: PSY 121 and permission of instructor.

Ongoing processes of interpersonal behavior. Observation and experience as participant of a self-analytic group in the human relations laboratory.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

PSY 300 Naturalistic Methods in Social Psychology

Prerequisite: PSY 121, and 6 additional hours of Psychology.

An alternative approach to social psychological processes. Involves text analysis, materials analysis, interviewing, and participant observation in naturally occurring, non-laboratory field settings. Focus will be on small group behavior.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 302 Experimental Psychology

Prerequisite: PSY 121 and PSY 200.

Psychological methodology; major emphasis on experimentation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

PSY 303 Stress and Tension Control

Prerequisite: PSY 121.

An examination of the nature and treatment of the stress response. Laboratory experience with several forms of relaxation training including biofeedback.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

PSY 304 Abnormal Psychology

Prerequisite: PSY 121.

Psychopathology and the maladjustment of the organism.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 305 Introduction to Industrial and Organizational Psychology

Prerequisite: PSY 121.

A survey of the major topics that are studied and the methods that are used in I/O psychology. The topics and methods will be viewed from a psychological perspective and will include psychological testing and personnel selection; training and development; job analysis, employee evaluation and performance appraisal; human motivation and job satisfaction; leadership, communication and group processes; organization theory and development.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 306 Learning Processes

Prerequisite: PSY 121.

A survey of the methods of classical and instrumental conditioning.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 307 Human Sexuality

Prerequisite: PSY 121.

A balanced and comprehensive perspective of the field of human sexuality. Content includes the psychological, physiological, and interpersonal variables of human sexuality.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 309 Identity and Aging in Literature and Film

Prerequisite: ENG 110 and PSY 121.

Emphasizes the experience of aging as perceived from the older person's point of view and that of society. Situations in later life will be explored through the use of short stories, selected articles, and videos. The topics covered will include health, friendship and relationships, widowhood, family and intergenerational relationships, perceptions of death and dying, and finding purpose and meaning in life. Students will acquire a basic understanding of identity issues and factors that contribute to well-being in later life. Identical with GER 309. Cannot receive credit for both PSY 309 and GER 309.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 310 Applied Psychology

Prerequisite: PSY 121.

Practical areas of application of psychology. Limited enrollment; field trips required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 311 Service Learning in Psychology

Prerequisite: 30 hours, concurrent registration in a Psychology course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in psychology to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of, and participation, in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

PSY 315 History and Systems of Psychology

Prerequisite: PSY 121 and 6 additional hours of psychology.

Present psychological systems in the light of their historical development from ancient Greek and medieval thought.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 317 Psychology of Addictions

Prerequisite: PSY 121.

Students in the course will learn basic psychological and psychophysiological processes involved in the progression of substance use, abuse, and addiction. Topics covered will include the conduct of individual assessment, interviewing techniques, and counseling processes. This class is intended to give students an understanding of individual, motivational, and social psychological perspectives.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 320 Psychology and the Law

Prerequisite: PSY 121.

This course is a survey of psychology applied to the legal system. The course includes topics in mental health law, such as competency and insanity, as well as the psychology of law enforcement, crime, juries, eyewitness testimony, and legal socialization.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 331 Psychology of Childhood

PSY 331 Psychology of Childhood

Prerequisite: PSY 121.

This course examines major psychological issues, theories and research concerning child development. Influences on cognitive, personality and social development are analyzed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 336 Ethology

Prerequisite: PSY 121.

The study of the behavior of animals in a natural setting will be emphasized. The viewpoints of ethology, comparative psychology, behavioral ecology, and sociobiology will be used to study the behavior of animals, including humans. This course cannot be credited toward a degree if the student has taken PSY 497: Animal Behavior.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 339 Introduction to Clinical Psychology

Prerequisite: PSY 121 and PSY 304.

A survey of the field of clinical psychology from a broad conceptual and historic perspective. The course examines professional issues such as various mental health delivery systems, ethics, and graduate training. The course also presents an overview of different approaches to psychotherapy along with assessment methods commonly used in evaluation of therapy, research, and decision making in a clinical setting.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 350 Psychology of Adulthood and Aging

Prerequisite: PSY 121.

Principles and practical applications in development of the adult. Includes psychological effects of personality and intellect. Both normal and abnormal phenomena are considered. Identical with GER 351. Cannot receive credit for both PSY 350 and GER 351.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 354 Gender and Sexuality in Later Life

Prerequisite: PSY 121; and GST 170 or 45 hours.

A comparison of the aging experiences of men and women in later life. The relevance of gender, gender roles and sexuality to the aging process will be considered. Specific topics of analysis will include the gender gap in longevity, psychological and physical health, LGBTQ status, minority status, socioeconomic status, family relationships, and public policy issues. Identical with GER 354. Cannot receive credit for both GER 354 and PSY 354.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 357 Psychology of Gender

Prerequisite: PSY 121.

This course will provide an in-depth examination and survey of the research and theory on psychological gender differences and similarities. An exploration will be made of the influence of biology, social, and culture on the development of gender in a variety of areas (e.g., emotions, attitudes, relationships, aggression, mental health, physical health, stress, coping, intelligence, work and achievement).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 359 Theories of Social Psychology

Prerequisite: PSY 121 or SOC 150.

A survey of research strategies in social psychology; social perception; interpersonal attraction; attitudes and persuasion; sex differences in social behavior.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 360 Educational Psychology

Prerequisite: PSY 121.

Introduction to theory and research in educational psychology. Topics include cognitive and social development, learning, memory, cognition, intelligence, motivation, measurement, and individual differences.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 363 Death and Human Behavior

Prerequisite: PSY 121.

An introduction to the varied aspects of death and dying. The course will focus on attitudes toward death, fears of death and dying, special needs of those who have a life threatening illness, means of helping the survivors and techniques for prolonging life. Identical with GER 363. Cannot receive credit for both PSY 363 and GER 363.

Cannot receive credit for both PSY 365 and GER 365.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 366 Families in Later Life

Prerequisite: PSY 121; and CFD 155 or CFD 163 or 30 hours.

Examination of the structure and function of families in later life. Topics of interest include demographic trends impacting the structure of the family, marriage, sibling relations, parent-adult child relations, grandparenthood, widowhood, and retirement. The application of family theories and their relevance to later life families will be discussed. Identical with CFD 365, GER 365, and SWK 365. Can only receive credit for one of following: CFD 365, GER 366, PSY 366, or SWK 365.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 370 Mental Health and Aging

Prerequisite: PSY 121.

Personality adjustment in old age, with emphasis both on adequate and maladjusted development. Factors influencing adjustment are considered. Both functional and organic sources of maladjustment are surveyed. Identical with GER 370. Cannot receive credit for both PSY 370 and GER 370.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 379 Environmental Psychology

Prerequisite: PSY 121.

An introduction to the psychological predictors, processes, and outcomes associated with individual and group decision making about sustainable living, including individual differences, motivation, social influence, self-regulation, altruism, persuasion, ethics, and emotive responses. These variables will then be applied to issues of individual and social behavior change.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 380 Development of the Student

Prerequisite: PSY 121; and either ELE 302 or SEC 302.

Life-span development, with a strong emphasis on grades K-12. Includes cognitive, physical, social, and emotional development. Coverage of developmental issues, such as divorce, child abuse, substance abuse, sexuality, and peer pressure. Also includes learning and motivation

theory. Required for students seeking special education, K-9, or K-12 certification. Also will count toward any certification. May substitute for

PSY 385 or PSY 390. Will not count towards the major or minor in psychology. Credit will be awarded for only one of the following: PSY 380, PSY 385, PSY 390.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	0	Fall, Spring

PSY 385 Development of the Early Childhood and Elementary School Student

Prerequisite: PSY 121.

Life-span development, with a strong emphasis on preschool through sixth grade. Coverage of developmental issues, such as divorce, child abuse, substance abuse, and peer pressure. Also includes learning and motivation theory. Required for students seeking early childhood, early childhood-special education, or elementary education certification. PSY 380 may be taken instead of PSY 385. Will not count towards special education, K-9, K-12, middle school or secondary education certification. Will not count towards the major or minor in psychology. Credit will be awarded for only one of the following: PSY 380, PSY 385, PSY 390.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 390 Development of the Adolescent Student

Prerequisite: PSY 121 and SEC 302.

Life-span development, with a strong emphasis on the middle school and secondary education years. Includes cognitive, physical, social, and emotional development. Coverage of developmental issues, such as substances abuse, sexuality, divorce, and peer pressure. Also includes learning and motivation theory. Required for students seeking middle school or secondary education certification. PSY 380 may be taken instead of PSY 390. Will not count towards special education, K-9, K-12, early childhood, early childhood-special education or elementary education certification. Will not count towards the major or minor in psychology. Credit will be awarded for only one of the following: PSY 380, PSY 385, PSY 390.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 405 Exercise Psychology

Prerequisite: PSY 121.

An examination of the research, theory, and practical applications of the field of exercise psychology. Content includes exercise adherence, psychological effects of exercise, and motivation to continue programs. Intersession course only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

PSY 411 Psychology of Diverse Populations

Prerequisite: senior standing; and 27 hours of Psychology.

Capstone course reviewing research and theory in social cognition, biological bases of behavior, development, individual differences, and psychopathology as they apply to ethnicity, sexual orientation, gender, language, exceptionality, aging, privilege/disadvantage, and other aspects of diversity. Similarities and differences in human thoughts and behaviors will be evaluated to better understand individual and group outcomes. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

PSY 422 Memory and Cognition

Prerequisite: PSY 121 and 6 additional hours of psychology.

Theoretical, empirical, and practical consideration of human memory and cognition. Laboratory will focus on investigation and demonstration of various cognitive phenomena.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

PSY 424 Teaching of Psychology

Prerequisite: permission of instructor.

This course is open only to psychology majors who have completed the application and selection process for an undergraduate learning assistant in Introductory Psychology and who are available to attend training sessions prior to the beginning of semester. Students will be assisting in the teaching of Introductory Psychology by serving as undergraduate learning assistants. Experiences will include facilitating group study sessions, individually mentoring students, and gaining exposure to the skills necessary for successful teaching. Emphasis will be on learning and practicing mentoring skills, the implementation of innovative pedagogical techniques, and course development. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 441 Psychology of Adolescence

Prerequisite: PSY 121 and one additional psychology course, and junior standing.

This course examines major psychological issues, theories, and research concerning adolescent development. Influences on cognitive, personality, and social development are analyzed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 481 Human Engineering

Prerequisite: PSY 121 or 60 hours.

Focuses on systematic attempts to develop principles and data to be applied in adapting equipment, machines, work space, and environments for human use.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 486 Management and Assessment in the Middle and Secondary Classroom

Prerequisite: admission to Teacher Education Program; and PSY 360 or equivalent competencies.

Planning, constructing, using, and analyzing a variety of assessment practices and understanding uses of standardized testing in education. Covers adolescent social behavior, management theory and strategies that promote effective learning and development while minimizing disruptive behavior. Application of theory to classroom practice and everyday situations. Identical with SFR 486. Cannot receive credit for both PSY 486 and SFR 486.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

PSY 487 Behavior Problems of Childhood

Prerequisite: PSY 121 or PSY 331.

Survey of the patterns of maladjustment in childhood from infancy through early adolescence. Introduction to the concepts related to the origin, manifestation, and treatment of childhood psychopathology emphasizing a developmental approach.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 490 Preparation for Graduate School

Primarily for senior students considering graduate study in psychology and related fields. Emphasis is on career awareness and the practical activities involved in the application process.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

PSY 493 Directed Readings in Educational Psychology

Prerequisite: PSY 121 and permission of instructor.

This course is designed for transfer students who are seeking teacher certification and who need to complete a limited number of MOSTEP standards. The course will involve inquiry into selected topics of educational psychology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

PSY 495 Senior Seminar

Prerequisite: senior standing (90 hours); and 27 hours of Psychology.

Activities to help students identify and explore postgraduate career opportunities. A major field achievement test and program evaluation will be administered.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

PSY 496 Directed Readings in Psychology

Prerequisite: 10 hours of psychology and permission of department head.

Outstanding students who wish to undertake directed readings must consult with a professor of the department who specializes in the area selected, and with his or her consent present a written proposal to the head of the department for approval. Such proposals must be presented and approved before final registration for the course. Credited only on BA and BS degrees. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

PSY 497 Advanced Topics in Psychology

Prerequisite: 9 hours psychology.

In depth inquiry into selected topics of psychology. May be repeated to a maximum of 9 hours if topic is different. 1-3 F,S. Approved recurring course topic: Ethical Issues and Concepts. Exploration of the ethical principles and standards that guide the practice of psychology. Approved recurring course topic: Psychological Disorders in the Movies. Exploration and examination of psychological disorders in film. Approved recurring course topic: Psychology of Sexual and Intimate Relationships. Exploration of issues related to sexual and intimate relationships including techniques to enhance communication, sexual intimacy and relationships.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

PSY 498 Directed Research

Prerequisite: PSY 121 and permission of sponsoring faculty member and department head.

Allows students to gain research experience by working with an individual faculty member either as a research assistant or as a primary

researcher working under faculty supervision. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

PSY 499 Practicum in Psychology

Prerequisite: PSY 121 and 14 additional hours of psychology and permission of department head.

Offers an opportunity for the student to obtain experience through field work. Such experience need not be confined to the campus. May be repeated for a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

PSY 502 Learning Theories

Prerequisite: PSY 121 and 3 additional hours of psychology.

An introduction to contemporary theories about learning and behavior, emphasizing the experimental basis of these phenomena. May be taught concurrently with PSY 602. Cannot receive credit for both PSY 602 and PSY 502.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 505 Forensic Child Psychology

Prerequisite: PSY 121.

Explores the basics of forensic psychology with emphasis on factors that affect children, how these factors are assessed and how communities intervene to reduce both child crime and child victimization. The class will involve text analysis as well as analysis of primary source readings. May be taught concurrently with PSY 604. Cannot receive credit for both PSY 604 and PSY 505.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 506 Perception

Prerequisite: PSY 121 and 3 additional hours of psychology.

Nature of perception, concept formation and role of language. May be taught concurrently with PSY 606. Cannot receive credit for both PSY 606 and PSY 506.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 508 Introduction to Applied Behavior Analysis

Prerequisite: PSY 121.

Serves as an introduction to the field of applied behavior analysis. During this course, students are introduced to content areas contained in the Behavior Analysis Certification Board Task List. This includes core concepts such as reinforcement, punishment, stimulus control, and principles of shaping. Students will be introduced to functional assessments and functional analyses. Additional topics include verbal behavior and ethical considerations for behavior analysts. May be taught concurrently with PSY 614. Cannot receive credit for both PSY 614 and PSY 508.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 510 Research in Psychology

Prerequisite: PSY 121; and PSY 200 or equivalent; and PSY 302.

Advanced course in research methodology for psychology. The course focuses on individual research projects.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall

PSY 512 Personality Theory and Systems

Prerequisite: PSY 121 and PSY 304.

Current theories of personality, research background and historical development. May be taught concurrently with PSY 612. Cannot receive credit for both PSY 612 and PSY 512.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 513 Neuropsychology

Prerequisite: PSY 121 and 3 additional hours of Psychology.

Introduction to the field of neuropsychology. Includes careers, history, behavioral changes after brain injury, assessment, and ethical considerations. May be taught concurrently with PSY 613. Cannot receive credit for both PSY 513 and PSY 613.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 514 Psychology of Child Abuse and Exploitation

Prerequisite: PSY 121 and 60 hours.

Study of forensic issues related to child abuse and exploitation. Students will gain an understanding of the forensic and psychological issues that often arise during child abuse investigations. The Child Advocacy Center, Inc. will participate in the design of the course, thus the specific forensic issues discussed will remain current and may change based on the needs of the community. May be taught concurrently with PSY 617. Cannot receive credit for both PSY 514 and PSY 617.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 519 Cognitive Development

Prerequisite: PSY 121 and PSY 331 and 3 additional hours of psychology.

Study of cognitive development in children and adolescents. Topics to be included: perception, memory, visual imagery, problem solving, language development, cognitive style, social learning theory, information processing theory, and Piaget's theory. Applications in education, child rearing, and behavior management. May be taught concurrently with PSY 619. Cannot receive credit for both PSY 619 and PSY 519.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 521 Physiological Psychology

Prerequisite: PSY 121 and 3 additional hours of psychology.

Physiological correlates underlying behavior, including sensory and response mechanisms, central nervous system. May be taught concurrently with PSY 622. Cannot receive credit for both PSY 622 and PSY 521.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 523 Psychology and Language

Recommended Prerequisite: 6 hours of Psychology. An examination into the nature of and research in human language and its relationship to psychology. Topics will include the biological bases of language, speech production and perception, word recognition, sentence processing, reading, discourse, dyslexia, grammar and the lexicon. This course will cover current theories on these topics and experimental paradigms analyzing language and psychology. May be taught concurrently with PSY 623. Cannot receive credit for both PSY 523 and PSY 623.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 524 Honors Project in Psychology

Prerequisite: PSY 121; and PSY 200 or equivalent; and PSY 302; and PSY 510, and permission of sponsoring faculty member and department head; open to Honors

College students only.

Students will revise and expand their individual research project completed for PSY 510. The final project from this course must be submitted to a student conference or student journal, as well as to the Honors College as the student's Honors Project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

PSY 525 Motivation and Emotions

Prerequisite: PSY 121 and 3 additional hours of psychology.

Psychological and physiological motives, needs, drives and instinctual mechanisms; emotional effects of these upon the organism. May be taught concurrently with PSY 625. Cannot receive credit for both PSY 625 and PSY 525.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 527 Advanced Psychological Statistical Methods

Prerequisite: introductory statistics selected from: PSY 200, 711; AGR 330; MTH 340; QBA 237; REC 328; SOC 302; or equivalent.

A review of introductory statistics and investigation of research methods in behavioral sciences that require multivariate statistical models. This course takes an applied orientation and emphasizes the use of statistical packages. Topics include: linear models, principal components analysis, discriminant analysis, multiple regression analysis, multiple regression with categorical variables, and multi-factor ANOVA. May be taught concurrently with PSY 627. Cannot receive credit for both PSY 627 and PSY 527.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 529 Psychological Tests and Measurements

Prerequisite: PSY 121; and PSY 200 or equivalent.

Theory and techniques underlying measurement of human traits and abilities. Critical analysis of intellectual, achievement, interest and personality tests, including their development, application and potential abuses. May be taught concurrently with PSY 629. Cannot receive credit for both PSY 629 and PSY 529.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 533 Psychological Issues in Religion

Prerequisite: PSY 121.

Comprehensive overview of historical background, research methods, and contemporary issues involving behavior and religious beliefs.

Comprehensive overview of historical background, research methods, and contemporary issues involving behavior and religious beliefs. Psychological research in the areas of religious development and cognition will be included. May be taught concurrently with PSY 633.

Cannot receive credit for both PSY 633 and PSY 533.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 534 Psychology of Infancy

Prerequisite: PSY 121 and PSY 331.

Theory and research on the maturation and cognition of the human infant in the first two years, from a developmental psychometric perspective. General principles of the mental and motor assessment of the infant and interpretation will be emphasized through class demonstrations so that the student may understand the use of these procedures in interpreting development and research. May be taught concurrently with PSY 634. Cannot receive credit for both PSY 634 and PSY 534.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 535 Discipline and Social Behavior in the Classroom

Prerequisite: PSY 121; and PSY 360 or PSY 380 or PSY 385 or PSY 390.

Provides a psychological perspective of individual and social factors necessary to develop an effective eclectic approach to discipline and an understanding of social behavior in the classroom. Includes an emphasis on personal, social, and motivational development. May be taught concurrently with PSY 635. Cannot receive credit for both PSY 635 and PSY 535.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 550 Psychological Testing in Remedial Reading

Prerequisite: permission of department head.

Techniques and skills in utilizing psychological tests as they pertain to diagnosing reading disabilities and prediction of success in remedial programs. Students receive supervised practice in administration. May be taught concurrently with PSY 648. Cannot receive credit for both PSY 648 and PSY 550.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

PSY 555 Developing Sport Team Leaders

This e-course delivers leadership, team processes, and motivation principles to help coaches develop the leadership skills of sport team athletes. This course aligns sport program goals with educational goals by utilizing athletic settings to promote skills that student-athletes

can apply on sport teams and in other group settings. Coaches will learn how to set specific leadership goals with team leader-athletes and will learn concrete and constructive ways to mentor leader-athletes. Coaches will use course principles to construct a plan for developing sport team leaders and for making "team leadership" a core team value. May be taught concurrently with PSY 649. Cannot receive credit for both PSY 649 and PSY 555.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

PSY 556 Developing Sport Team Leaders Practicum

Prerequisite: PSY 555 or concurrent enrollment; and permission of instructor.

Complementing PSY 555 Developing Sport Team Leadership, this course provides a 2-credit option for students to document the application of a leadership development plan on a sport team. This course reinforces the value of leadership and leadership development on sport teams by helping to make "team leadership" a core team value. Advancing this objective, students learn to align the values of sport teams with the broader values of educational institutions. Students taking this course must provide evidence that they have permission to implement a leadership development program on an organized sport team prior to enrolling in the class (hours the student spends with the team must exceed 90 hours). May be taught concurrently with PSY 656. Cannot receive credit for both PSY 656 and PSY 556.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

PSY 557 Forensic Psychology: Child Abuse and the Law

Prerequisite: PSY 121 and 60 hours.

Study of the legal issues related to child abuse and exploitation. Students will gain an understanding of the law pertaining to child cases and how interactions with children can bolster or diminish the quality of children's memory report as seen by the judicial system. The Greene County Prosecutor's Office will participate in the design of this course, thus the specific legal issues discussed will remain current and may change based on the needs of the community. May be taught concurrently with PSY 657. Cannot receive credit for both PSY 557 and PSY 657.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 565 Psychological Effects of Dementia

Prerequisite: PSY 121, PSY 370.

Description of dementias, with particular references to Alzheimer's Disease and with emphasis on behavioral consequences for both patient and caregiver. Directed practicum. May be taught concurrently with PSY 669. Cannot receive credit for both PSY 669 and PSY 565.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Upon demand

PSY 597 Specialized Topics in Psychology

Prerequisite: 9 hours of Psychology.

Specialized investigation into selected topics in psychology. Graduate students will be required to complete an extra project to be determined by the instructor. May be repeated to a maximum of 9 hours if topic is different. Variable content course. May be taught concurrently with PSY 695. Cannot receive credit for both PSY 695 and PSY 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PSY 602 Learning Theories

Recommended Prerequisite: PSY 121 and 3 additional hours of psychology. An introduction to contemporary theories about learning and behavior, emphasizing the experimental basis of these phenomena. May be taught concurrently with PSY 502. Cannot receive credit for both PSY 502 and PSY 602.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 604 Forensic Child Psychology

Recommended Prerequisite: PSY 121. Explores the basics of forensic psychology with emphasis on factors that affect children, how these factors are assessed and how communities intervene to reduce both child crime and child victimization. The class will involve text analysis as well as analysis of primary source readings. May be taught concurrently with PSY 505. Cannot receive credit for both PSY 505 and PSY 604.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 606 Perception

Recommended Prerequisite: PSY 121 and 3 additional hours of psychology. Nature of perception, concept formation and role of language. May be taught concurrently with PSY 506. Cannot receive credit for both PSY 506 and PSY 606.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 612 Personality Theory and Systems

Recommended Prerequisite: PSY 121 and PSY 304. Current theories of personality, research background and historical development. May be taught concurrently with PSY 512. Cannot receive credit for both PSY 512 and PSY 612.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	3 **Lecture contact hours**	0 **Lab contact hours**	Spring **Typically offered**

PSY 613 Neuropsychology

Introduction to the field of neuropsychology. Includes careers, history, behavioral changes after brain injury, assessment, and ethical considerations. May be taught concurrently with PSY 513. Cannot receive credit for both PSY 613 and PSY 513.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 614 Introduction to Applied Behavior Analysis

Serves as an introduction to the field of applied behavior analysis. During this course, students are introduced to content areas contained in the Behavior Analysis Certification Board Task List. This includes core concepts such as reinforcement, punishment, stimulus control, and principles of shaping. Students will be introduced to functional assessments and functional analyses. Additional topics include verbal behavior and ethical considerations for behavior analysts. May be taught concurrently with PSY 508. Cannot receive credit for both PSY 614 and PSY 508.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 617 Psychology of Child Abuse and Exploitation

Study of forensic issues related to child abuse and exploitation. Students will gain an understanding of the forensic and psychological issues that often arise during child abuse investigations. The Child Advocacy Center, Inc. will participate in the design of the course, thus the specific forensic issues discussed will remain current and may change based on the needs of the community. May be taught concurrently with PSY 514. Cannot receive credit for both PSY 617 and PSY 514.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 619 Cognitive Development

Recommended Prerequisite: PSY 121 and PSY 331 and 3 additional hours of psychology. Study of cognitive development in children and adolescents. Topics to be included: perception, memory, visual imagery, problem solving, language development, cognitive style, social learning theory, information processing theory, and Piaget's theory. Applications in education, child rearing, and behavior management. May be taught concurrently with PSY 519. Cannot receive credit for both PSY 519 and PSY 619.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 622 Physiological Psychology

Recommended Prerequisite: PSY 121 and 3 additional hours of psychology. Physiological correlates underlying behavior, including sensory

Recommended Prerequisite: PSY 121 and 3 additional hours of psychology. Physiological correlates underlying behavior, including sensory and response mechanisms, central nervous system. May be taught concurrently with PSY 521. Cannot receive credit for both PSY 521 and PSY 622.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 623 Psychology and Language

Recommended Prerequisite: 6 hours of Psychology. An examination into the nature of and research in human language and its relationship to psychology. Topics will include the biological bases of language, speech production and perception, word recognition, sentence processing, reading, discourse, dyslexia, grammar and the lexicon. This course will cover current theories on these topics and experimental paradigms analyzing language and psychology. May be taught concurrently with PSY 523. Cannot receive credit for both PSY 623 and PSY 523.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 625 Motivation and Emotions

Recommended Prerequisite: PSY 121 and 3 additional hours of psychology. Psychological and physiological motives, needs, drives and instinctual mechanisms; emotional effects of these upon the organism. May be taught concurrently with PSY 525. Cannot receive credit for both PSY 525 and PSY 625.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 627 Advanced Psychological Statistical Methods

Recommended Prerequisite: introductory statistics course selected from PSY 200, 711; AGR 330; ECO 308; MTH 340; QBA 237; REC 328; SOC 302; or equivalent. A review of introductory statistics and investigation of research methods in behavioral sciences that require multivariate statistical models. This course takes an applied orientation and emphasizes the use of statistical packages. Topics include: linear models, principal components analysis, discriminant analysis, multiple regression analysis, multiple regression with categorical variables, and multi-factor ANOVA. May be taught concurrently with PSY 527. Cannot receive credit for both PSY 527 and PSY 627.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 629 Psychological Tests and Measurements

Recommended Prerequisite: PSY 121 and PSY 200 or equivalent. Theory and techniques underlying measurement of human traits and abilities. Critical analysis of intellectual, achievement, interest and personality tests, including their development, application and potential abuses. May be taught concurrently with PSY 529. Cannot receive credit for both PSY 529 and PSY 629.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 633 Psychological Issues in Religion

Recommended Prerequisite: PSY 121 and REL 100. Comprehensive overview of historical background, research methods, and contemporary issues involving behavior and religious beliefs. Psychological research in the areas of religious development and cognition will be included. May be taught concurrently with PSY 533. Cannot receive credit for both PSY 533 and PSY 633.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 634 Psychology of Infancy

Recommended Prerequisite: PSY 121 and PSY 331. Theory and research on the maturation and cognition of the human infant in the first two years, from a developmental psychometric perspective. General principles of the mental and motor assessment of the infant and interpretation will be emphasized through class demonstrations so that the student may understand the use of these procedures in interpreting development and research. May be taught concurrently with PSY 534. Cannot receive credit for both PSY 634 and PSY 534.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 635 Discipline and Social Behavior in the Classroom

Recommended Prerequisite: PSY 121; and either PSY 360, PSY 380, PSY 385, or PSY 390. Provides a psychological perspective of individual and social factors necessary to develop an effective eclectic approach to discipline and an understanding of social behavior in the classroom. Includes an emphasis on personal, social, and motivational development. May be taught concurrently with PSY 535. Cannot receive credit for both PSY 535 and PSY 635.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 648 Psychological Testing in Remedial Reading

Prerequisite: permission of department head.

Techniques and skills in utilizing psychological tests as they pertain to diagnosing reading disabilities and prediction of success in remedial programs. Students receive supervised practice in administration. May be taught concurrently with PSY 550. Cannot receive credit for both PSY 550 and PSY 648.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

PSY 649 Developing Sport Team Leaders

This online course delivers leadership, team processes, and motivation principles to help coaches develop the leadership skills of sport team athletes. This course aligns sport program goals with educational goals by utilizing athletic settings to promote skills that student-athletes can apply on sport teams and in other group settings. Coaches will learn how to set specific leadership goals with team leader-athletes and will learn concrete and constructive ways to mentor leader-athletes. Coaches will use course principles to construct a plan for developing sport team leaders and for making "team leadership" a core team value. May be taught concurrently with PSY 555. Cannot receive credit for both PSY 555 and PSY 649.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

PSY 656 Developing Sport Team Leaders Practicum

Prerequisite: PSY 649 or concurrent enrollment.

Complementing PSY 649 Developing Sport Team Leadership, this course provides a 2-credit option for students to document the application of a leadership development plan on a sport team. This course reinforces the value of leadership and leadership development on sport teams by helping to make "team leadership" a core team value. Advancing this objective, students learn to align the values of sport teams with the broader values of educational institutions. Students taking this course must provide evidence that they have permission to implement a leadership development program on an organized sport team prior to enrolling in the class (hours the student spends with the team must exceed 90 hours). May be taught concurrently with PSY 556. Cannot receive credit for both PSY 556 and PSY 656.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

PSY 657 Forensic Psychology: Child Abuse and the Law

Study of the legal issues related to child abuse and exploitation. Students will gain an understanding of the law pertaining to child cases and how interactions with children can bolster or diminish the quality of children's memory report as seen by the judicial system. The Greene County Prosecutor's Office will participate in the design of this course, thus the specific legal issues discussed will remain current and may change based on the needs of the community. May be taught concurrently with PSY 557. Cannot receive credit for both PSY 657 and PSY 557. Identical with CRM 657. Cannot receive credit for both PSY 657 and CRM 657.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PSY 669 Psychological Effects of Dementia

Recommended Prerequisite: PSY 121 and PSY 370. Description of dementias, with particular references to Alzheimer's Disease and with emphasis on behavioral consequences for both patient and caregiver. Directed practicum. May be taught concurrently with PSY 565. Cannot receive credit for both PSY 565 and PSY 669.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

4 **Credit hours**	2 **Lecture contact hours**	4 **Lab contact hours**	Upon demand **Typically offered**

PSY 695 Specialized Topics in Psychology

Recommended Prerequisite: 9 hours of Psychology. Specialized investigation into selected topics in psychology. Graduate students will be required to complete an extra project to be determined by the instructor. May be repeated to a maximum of 9 hours if topic is different. Variable content course. May be taught concurrently with PSY 597. Cannot receive credit for both PSY 695 and PSY 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PSY 700 Problems of Psychology

Individual investigation into a problem or problems of concern to the student and deemed of significance by the instructor. Written report required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PSY 701 Symposium in Psychology

Specific topics selected to introduce graduate students to research and theory. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PSY 703 Human Growth and Development

Depth investigation of growth and development during elementary school years. Experimental evidence and clinical evaluations used to supplement consideration of major theories of development.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 705 Psychology of Adolescence

Depth investigation of growth and development during the adolescent period. Experimental evidence and clinical evaluation used to supplement consideration of major theories of adolescence.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 707 Psychology of the Adult

Development of intellectual functions, personality, and social psychological processes across the adult life span will be emphasized. Normal as well as abnormal phenomena unique to young, middle-aged, and elderly adults will also be considered.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 708 Memory

Provides in-depth analyses of historical and current theories and associated research in higher mental cognition processing. Primary emphasis is on normal human adult functioning, although associated topics such as cognitive development, learning dysfunctions and skill enhancement will be considered.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 709 Psychological Evaluation of Pre-School Children

Program involving both theory and practice in psychological evaluation of pre-school children.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 710 Psychology of Education

Orientation to the use of psychology in education.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 711 Introductory Statistics for Education and Psychology

Statistical techniques used in education and psychology; overview of scaling techniques, sampling, descriptive techniques, inferential techniques (to include t and x2), reliability and validity.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 716 Personnel Psychology

A survey of the psychological principles, theory, and research related to personnel practices in organizations. Topics include job analysis, performance appraisal and criterion development, individual differences measurement, personnel selection, and reliability, validity, and utility analysis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 718 Organizational Psychology

Recommended Prerequisite: PSY 121 and PSY 304. A survey of the psychological principles, theory, and research related to behavior in organizations. Topics include work motivation, job satisfaction and performance, leadership and group processes, organizational design and development.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 720 Individual Intelligence Testing

Prerequisite: PSY 629 or COU 701.

Analysis of individual tests of intelligence; Wechsler Scales and the Revised Stanford Binet. Students receive supervised practice in administration, scoring and interpretation of individual tests.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

PSY 721 Individual Intelligence Testing II

Prerequisite: PSY 629 or COU 701.

Analysis of individual tests of intelligence; Stanford-Binet Fourth Edition and Kaufman Assessment Battery for Children. Students will receive supervised practice in administration, scoring, and interpretation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

PSY 730 Projective Techniques

Prerequisite: COU 701 and PSY 720.

Introduction to theory of and basic underlying projective methods.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 740 Psychological Assessment

Prerequisite: admission to MS in Psychology program.

Students of clinical psychology will be introduced to the process of psychological diagnosis. They will be expected to master the administration, scoring, and interpretation of individual instruments and become acquainted with the foundations and theory and research on which they rest. In addition the course will emphasize the differential applicability of tests and assessment techniques to a wide range of referral problems and the principles of clinical inference that may be used to interpret, integrate, and communicate their diagnostic findings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 742 Practicum in Psychological Assessment

Prerequisite: PSY 740 and PSY 750 and permission of instructor.

Supervised experience in assessment, diagnoses and report-writing with clients at a community mental health facility. Site arrangements must be made by the Practicum Coordinator during the preceding semester. Consists of a one-hour seminar on campus and 4 hours at the practicum site each week. May be repeated and a minimum grade of "B" must be maintained.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

PSY 745 Statistics and Research Design

Recommended Prerequisite: introductory statistics course from PSY 200, 611; AGR 330; ECO 308; MTH 340; QBA 237; REC 328; SOC 302; or equivalent. Use of the Analysis of Variance (ANOVA) Models and Multivariate Analysis in the design and analysis of psychological experiments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

PSY 747 Single Subject Research Design in Applied Behavior Analysis

Prerequisite: admission to Applied Behavior Analysis program or permission of instructor.

Provides instruction in the use of single subject design research methods, in both experimental and applied settings. Instruction provided in behavioral measurement via direct and indirect observation, the employment of group and individual (single-subject) time series designs, statistical approaches for within-group and single-subject design data analysis and interpretation, and use of data to evaluate interventions. The course also considers professional issues in the ethical conduct of research and practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 750 Advanced Survey of Psychology

Reinforce breadth of knowledge of psychology in the areas of Biological bases of behavior, Sensation and Perception, Memory, Cognition, Motivation, Development and Social Psychology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 751 Seminar in Methods of Research

Prerequisite: PSY 710 and PSY 711.

Investigation of research methods employed in education and psychology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 752 Research Methods

Prerequisite: PSY 745.

Provides an understanding of the research methods employed in experimental and applied settings. Includes ethical considerations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 753 Program Evaluation

Prerequisite: PSY 745.

The application of research methods to the evaluation of programs and planned change interventions in organizations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 757 Observational Methods and Functional Assessment

Prerequisite: admission to the Applied Behavior Analysis program or permission of instructor.

Recommended Prerequisite: PSY 614. Current research and best practices in the area of behavioral assessment. Topics include behavioral definitions, observational recording techniques, data analysis, functional and stimulus preference assessment methods, and issues of validity and reliability of measurement.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 759 Teaching of Psychology

Must be taken prior to or concurrent with first teaching of any regular or laboratory section of any course. Preparation for teaching college courses, includes development of personal philosophies of teaching; suggestions for active student learning; maintaining student motivation; preparing assignments, in-class presentations, and exams; grading; and classroom management. Designed to help graduate students prepare for their first independent college teaching experiences.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

PSY 760 Clinical Communication Skills

Prerequisite: admission to MS in psychology.

Introduction to the nature of the helping process with emphasis on strategies of behavior change, interpersonal communication, and development of basic helping skills.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 761 Ethical and Professional Issues

Prerequisite: admission to MS in Psychology or Applied Behavior Analysis.

An exploration of ethical issues, including values, professional responsibilities, and professional ethics codes. Issues are explored both from ethical and legal perspectives. Current professional issues, such as changing modes of assessment and intervention, are examined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 764 Group Psychotherapy

Prerequisite: permission of instructor.

An extensive analysis of the factors contributing to the development and maintenance of therapeutic groups in a variety of settings. The prevention and education uses of small groups and small group processes will be included.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 765 Psychotherapy and Counseling: Theories and Techniques

Prerequisite: admission to MS in Psychology program.

Investigation of the major theoretical approaches and strategies of psychotherapy and counseling along with the techniques associated with each theory. Emphasis on theoretical bases and critical analysis of comparative research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 766 Psychopathology

Prerequisite: permission of instructor.

Focus is on the differential diagnosis of psychological disorders, the appropriate use of current diagnostic systems, and relevant research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PSY 767 Behavior Disorders of Childhood

Prerequisite: PSY 766.

Course focuses on assessment and treatment of common childhood behavior disorders. The course emphasizes 1) the study of biological, behavioral, cognitive, and systemic variables in the development of childhood behavior disorders; 2) training in multiaxial diagnostic assessment; and 3) interventions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 768 Personality and Social Development

A survey of the major theoretical and practical issues in the study of personality and social development. The course will focus on application of personality to universal human concerns.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 771 Occupational Health Psychology

Prerequisite: PSY 718.

An in-depth consideration of the psychological principles, theory, research, applications and problems associated with occupational stress, safety and health. Topics include personal, organizational, work-related and social antecedents to stress, as well as the short-term and long-term responses to stress.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 772 Performance Assessment

Prerequisite: PSY 716 and PSY 745.

An in-depth consideration of theory, research, applications and problems of performance assessment in organizations. Topics include criterion development and validation, models of effectiveness, performance appraisal, methods and sources of evaluation, performance feedback, team performance measurement, and biases in assessment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 773 Human Factors

Prerequisite: PSY 751.

Provides an introduction to human factors engineering (ergonomics) primarily in the workplace. Involves emphasis on analyzing job requirements, human capabilities, human-machine interactions, and safety.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 774 Training and Development

Prerequisite: PSY 716 and PSY 718.

An in-depth consideration of theory, research, applications, and problems in the design, conduct and evaluation of training programs in organizational settings. Topics include needs assessment, theories of learning and motivation, transfer of training, and evaluation of training processes and outcomes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 776 Personnel Selection, Placement and Classification

PSY 776 Personnel Selection, Placement and Classification

Prerequisite: PSY 716 and PSY 745.

An in-depth consideration of the theory, research, applications, and problems in matching of individual needs, preferences, skills and abilities with the needs and preferences of organizations. Topics include job analysis, theories of human performance, test development and use, alternative selection techniques, EEO law, criterion development, and validation of selection decisions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 777 Conceptual Foundations of Applied Behavioral Science

Prerequisite: admission to Applied Behavior Analysis program or permission of instructor.

The course addresses the history of behavior analysis, philosophy of science, advanced behavioral principles and processes and their application to various content domains in the behavioral, social, and cognitive sciences (e.g., emotion, language, cognition, and culture).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 778 Group Processes

Prerequisite: PSY 718.

An in-depth consideration of theory, research, applications, and problems in group processes in organizations. Topics include models and typologies of group performance, group decision making, group social influence and ecology, leadership, and team staffing and development.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 779 Topics in Industrial/Organizational Psychology

Prerequisite: PSY 716 and PSY 718.

Advanced study of selected topics in I/O psychology . Course requirements include extensive readings and a paper. May be repeated if different topics for a maximum of 9 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PSY 780 Social Psychology

Prerequisite: admission to the MS in Psychology program.

Advanced study of interactions and social cognition, including attitude change, person perception, and group dynamics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PSY 796 Practicum

Prerequisite: admission to the MS in Psychology or Applied Behavior Analysis program.

Offers an opportunity for the graduate student to gain additional training through field experiences in research, clinical or organizational settings. Such experience need not be confined to the campus. Variable content course. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

PSY 797 Directed Research

Prerequisite: admission to MS in Psychology or Applied Behavior Analysis program.

Offers an opportunity for the graduate student to gain additional training through guided research. Such research need not be confined to the campus. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

PSY 798 Internship

Prerequisite: PSY 796 and permission.

Supervised fieldwork in a professional psychology setting. Includes a seminar paper as a requirement.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

PSY 799 Thesis

Prerequisite: admission to MS in Psychology or Applied Behavior Analysis program.

Independent research and study leading to the completion of the thesis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Psychology

Major(s)

Psychology (Non-Comprehensive) (BA)

Bachelor of Arts

Admission requirement

Complete PSY 150(1).

Program requirements

A. General Education Program and Requirements Note: PSY 121 may meet requirements for both the General Education Program and the Psychology major.
B. Major Requirements (34 hours)
   1. Required Core (13 hours): PSY 121(3), 150(1), 200(3), 302(3), 411(3)
   2. Foundation Coursework (12 hours): Complete at least one course from each of the following areas:
      a. Developmental: PSY 331(3); PSY 350 or GER 351(3); PSY 370 or GER 370(3); PSY 441(3)
      b. Learning and Cognition: PSY 306(3), 422(3), 523(3)
      c. Biological Processes: PSY 336(3), 451(3), 506(3), 521(3), 525(3)
      d. Applied: PSY 304(3), 305(3), 359(3), 360(3), 508(3), 512(3), 529(3)
   3. Additional 9 hours of psychology electives, at least 6 hours of which must be numbered 300 or higher. Note: PSY 101, PSY 203, PSY 380, PSY 385, and PSY 390 may not be used toward this requirement.
   4. Public Affairs Capstone Experience will be fulfilled by completion of PSY 411(3).
C. Minor Required (or second major)
D. Specific Bachelor of Arts Degree Requirements
E. General Baccalaureate Degree Requirements

Psychology (Non-Comprehensive) (BS)

Bachelor of Science

Admission requirement

Complete PSY 150(1).

Program Requirements

A. General Education Program and Requirements Note: PSY 121 may meet requirements for both the General Education Program and the Psychology major.
B. Major Requirements (34 hours)
   1. Required Core (13 hours): PSY 121(3), 150(1), 200(3), 302(3), 411(3)
   2. Foundation Coursework (12 hours): Complete at least one course from each of the following areas:
      a. Developmental: PSY 331(3); PSY 350 or GER 351(3); PSY 370 or GER 370(3); PSY 441(3)
      b. Learning and Cognition: PSY 306(3), 422(3), 523(3)

c. Biological Processes: PSY 336(3), 451(3), 506(3), 521(3), 525(3)

d. Applied: PSY 304(3), 305(3), 359(3), 360(3), 508(3), 512(3), 529(3)

3. Additional 9 hours of psychology electives, at least 6 hours of which must be numbered 300 or higher. Note: PSY 101, PSY 203, PSY 380, PSY 385, and PSY 390 may not be used toward this requirement.
4. Public Affairs Capstone Experience will be fulfilled by completion of PSY 411(3).

C. Minor Required (or second major)

D. General Baccalaureate Degree Requirements

Minor(s)

Psychology

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Nursing

Bachelor of Social Work

A. Required Course (3 hours): PSY 121(3)
B. Elective Courses (15 hours): Complete additional PSY courses, with at least 6 hours numbered 300 or higher, to total at least 18 hours. Note: PSY 101, PSY 380, PSY 385, and PSY 390 may not be used toward this requirement.

Psychology

Bachelor of Science in Education (Non-Certifiable)

No certificate to teach is issued on a psychology minor. However, those teaching psychology in high school will find this program valuable, as will those planning graduate work in educational psychology, counseling and guidance, etc.

A. Required Courses (9-12 hours): Complete one of the following groups:

1. PSY 121(3) and PSY 203(3) and PSY 331(3)
2. PSY 121(3) and PSY 200(3) and PSY 302(3) and PSY 331(3)

B. Elective Courses (12-15 hours): Complete additional PSY courses, numbered 300 or higher, to total at least 24 hours. Note: PSY 101, PSY 380, PSY 385, and PSY 390 may not be used toward this requirement.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Gerontology

Major(s)

Gerontology (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
The following prerequisite courses will meet General Education requirements: COM 115(3); PLS 101(3); PSY 121(3) or SOC 150(3); BIO 101(3) and 111(1), or BMS 100(3), or BMS 110(3)and 111(1).
B. Major Requirements
1. Core Courses: a grade of "C" or better is required in each course before enrolling in practicum and seminar: GER 375 or SOC 375(3); GER 351 or PSY 350(3); BMS 260(3); GER 470 or SWK 470(3); GER 480(3)
2. Statistics Course: AGR 330(3) or MTH 340(3) or PSY 200(3) or QBA 237(3) or REC 328(3) or SOC 302(3) or another course approved by advisor
3. Research Methods Course: PSY 203(3) or PSY 302(3) or SOC 301(3) or another course approved by advisor
4. Communication Skills Course: COM 325(3) or 332(3) or 336(3) or 390(3) or 405(3) or 511(3) or another course approved by advisor
5. Health Related Course: BMS 130(3) or BMS 240(3) or BMS 310(3) or SOC 341(3) or SOC 456(3) or COM 507(3) or another course approved by advisor
6. GER 598(6-9) Supervised Practicum in Gerontology and GER 599(3) Seminar in Gerontology
7. Additional 9 hours of Gerontology electives
8. Public Affairs Capstone Experience will be fulfilled by completion of GER 598(6-9) and GER 599(3).

C. Electives to complete 120 hours. Students are encouraged to use these hours to complete another major or minor.
D. General Baccalaureate Degree Requirements

Minor(s)

Gerontology

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Athletic Training

Bachelor of Science in Education (non-certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

A. Required Core Course: GER 375 or SOC 375(3)
B. Complete an additional 15 hours of Gerontology courses.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Forensic Child Psychology Certificate

Forensic Child Psychology

This certificate is offered to support professionals in the fields of criminology, social work, medicine and other related specialties who must interact with children in a forensic setting (e.g., forensic child interviewers or law enforcement officers) or who are first-line service providers (e.g., teachers, counselors, social workers and nurses). Student will be trained in 1) general forensic psychology with children, 2) child abuse detection, assessment, intervention and prevention, 3) child abuse law, and 4) mandated reporting of child abuse.

Admission requirements

To be admitted students must have completed 60 hours and have a GPA of at least 3.00 and submit a personal statement explaining their reasons for seeking the certificate and how the program will meet their professional goals. Meeting these minimum requirements does not guarantee admission to the certificate.

Program requirements (12 hours)

A. PSY 505(3), PSY 514(3), PSY 557(3), CFD 562(3)
B. All candidates must satisfy the General University Certificate Requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Public Health Program

Programs

Indicates accelerated graduate program is available

Graduate

Public Health, Master of (MPH)

Public Health Administration (Certificate)

Public Health Core (Certificate)

Public Health and Homeland Security (Certificate)

Accreditation

Council on Education for Public Health – Master of Public Health

Accelerated graduate program in Master of Public Health

Eligible Missouri State undergraduate students may apply for admission to the Master of Public Health program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Contact

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Missouri State

Office of the Registrar
Undergraduate Catalog

Public Health Faculty

Professor

Dalen Duitsman, HSD

Associate professor

David M. Claborn, DrPH

Assistant professor

Kip R. Thompson, PhD

Visiting assistant professor

Maxwell A. Barffour, MPH

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Missouri State

Public Health Program Courses

Public Health (PBH) courses

PBH 710 Clinical Epidemiology

This course is an introduction to the epidemiological methods and procedures utilized in a clinical environment. The course will include the study of infectious and non-infectious disease epidemiology. Students will learn how to use basic epidemiological concepts and methods in the clinical setting in order to make better decisions regarding evidence based medicine and quality of care. Basic statistical measures used in the analysis of clinical and epidemiologic evaluations, including measures of disease frequency and measures of absolute and relative effects, will be covered. Additional topics include accessing and evaluating sources of data, qualitative and quantitative systematic reviews of literature based evidence, and meta-analyses. This course cannot be counted toward the Master of Public Health. It is designed for students in clinical fields such as nursing practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PBH 720 Epidemiology

An introduction to the epidemiological methods and procedures utilized in the study of the origin, distribution, and control of disease. It will include the study of infectious and non-infectious disease etiology, including vector control, host defenses and resistance, and investigation of disease outbreaks. Students will learn to use basic epidemiological concepts and methods for program planning, evaluation, and research. Basic statistical measures used in the analysis of clinical and epidemiologic evaluations, including measures of disease frequency and measures of absolute and relative effects, will be covered. Identical with NUR 700. Cannot receive credit for PBH 720 and NUR 700.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PBH 730 Biostatistics in Health Sciences

This course is an introduction to biostatistical methods in the context of public health and medical sciences. Major topics will include: research design and measurement, sampling, exploratory data analysis, probability and sampling distributions, hypothesis testing, contingency table analysis, nonparametric methods, correlation, linear regression, logistic regression and survival analysis. Emphasis will be on developing an understanding of these methods and drawing appropriate conclusions from analysis findings. Students will also be introduced to statistical programming packages.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PBH 735 Software Applications and Data Sources in Public Health

Prerequisite: permission of instructor.

This course will provide an overview of important software and databases that are commonly used in public health surveillance, program planning and research. Students will learn to access, analyze, and interpret morbidity and mortality data from a variety of national and statewide data sources (e.g., NHANS, BRFSS, MICA, CDC Wonder, vital statistics). Data will be analyzed descriptively using statistical software including Excel, CDC's EpiInfo, SPSS and/or SAS.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PBH 740 Health Behavior

This course examines selected theories of health behavior relevant to individual and community health promotion program planning. Students will analyze biological, psychological, sociological, and environmental influences on health behavior and evaluate strategies for health promotion.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PBH 745 Environmental Health

This course will investigate and examine the relationships of environmental health problems to human health. Students will survey the major environmental issues facing developed and developing countries. Topics include water supply, air and noise pollution, sewage treatment and waste disposal, pest and pesticides, toxic waste, energy alternatives, food and drug quality assurance, population control, and environmental disease control.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PBH 756 Introduction to Public Health

This course will provide a general introduction to public health. It will discuss the history of public health; international, federal, state, and local agencies; voluntary health agencies; professional health organizations; the legislative process as it relates to public health, environmental health, health promotion, basic public health statistics and an introduction to epidemiology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PBH 758 Contemporary Issues in Public Health

In-depth consideration of pertinent issues, trends, controversy, and current research in public health.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PBH 760 Research Methods in Public Health

This course is designed to help students gain the necessary knowledge and skills for undertaking research on issues related to public health.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PBH 772 Toxicology and Hazardous Materials

A study of toxic substances and their effects in the environment and in living organisms. This course also includes a study of safety methods for identifying, monitoring, handling, processing, containing, storing, and disposing hazardous and toxic substances in the environment and workplace. Students are encouraged to have had courses in physiology, biochemistry and/or pharmacology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PBH 775 Principles and Skills of Public Health Administration

This course is designed to provide a comprehensive overview of the administrative, managerial and organizational practices of health professionals in a variety of settings. Opportunities for the development and application of administrative competencies in health education/health care settings will be provided.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PBH 778 Chronic Disease Epidemiology

This course examines problems and methods used in studying chronic diseases. Focus will be on the collection and interpretation of chronic disease data, and application of epidemiological and statistical principles pertaining to cancer, cardiovascular diseases, cerebrovascular diseases, chronic lung diseases, diabetes, musculoskeletal diseases, neurologic disorders and other chronic diseases.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PBH 781 Public Health Preparedness

This course will investigate the health risks and hazards associated with emergency situations, and the roles of public health professionals and volunteers in the preparation for and response to emergencies and disasters.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PBH 783 International Health and Infectious Disease

This course will investigate the epidemiology, impact, and control of infectious diseases in the context of the international environment. Topics will include the structure and financing of health systems in the developing world, the medical community's ability to respond to infectious disease risks, and the specific impacts of major infectious diseases with an emphasis on tuberculosis, AIDS, and malaria. This course is not a clinical course and will not address the diagnosis or treatment of disease.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PBH 785 Seminar in Public Health

Prerequisite: permission of Graduate Coordinator.

Variable topics course. The study, analysis, and discussion of timely issues in public health. May be repeated for credit if topic is different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PBH 788 Public Health Practicum

The Public Health practicum is required of all students enrolled in the Professional Option of the MPH program. It will involve developing, implementing and establishing a public health intervention that includes, reflects, and integrates public health principles, theory, and practice as identified in the Masters in Public Health curriculum. All required courses must be completed in order to be eligible. Project selection must be approved by the course instructor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

PBH 790 Independent Study in Public Health

Prerequisite: permission of instructor and program director.

The independent study in Public Health is a carefully planned experience which allows the advanced student to investigate a clearly defined problem that will enhance their academic preparation. May be repeated for credit.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PBH 798 Public Health Field Experience

Prerequisite: students must have successfully completed 33 hours including all public health core and other required courses and passed the core course exam.

The required field experience provides experience in program development, community relations, public education, and research. Possible sites include: official health agencies, voluntary health agencies, or community social agencies. Selection is dependent on the students' backgrounds and career expectations. Students may choose to spend their entire time in one agency, or, for shorter periods, in 2 or more agencies. The field experience can be done during the fall, spring, or summer and can be no less than 200 hours. All field experiences must be approved by the field experience faculty supervisor and the Program Director to ensure the site acceptability. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

PBH 799 Capstone Project in Public Health

Prerequisite: admission to the Master of Public Health program.

The Capstone Project provides students the opportunity to integrate knowledge gained in the classroom with real-world problems through completion of a major research, program planning, policy development, management, service delivery, or evaluation project. Some aspect of the project must be original, whether it is the topic itself, an analysis of newly collected or extant data, the reinterpretation of others' finding, or the design and completion of a community project. While student led, the project is designed in consultation with, and carried out under the guidance of, a faculty supervisor. Student must have the capstone project proposal form approved by the faculty supervisor and Program Director prior to enrollment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

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Missouri State

School of Social Work

Programs

Undergraduate

Social Work, Bachelor of (BSW)

Graduate

Social Work, Master of (MSW)

Accreditation

Council on Social Work Education-Commission on Accreditation – Social Work (BSW, MSW)

Contact

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Missouri State

Office of the Registrar
Undergraduate Catalog

Social Work Faculty

Professors

Michele L. Day, PhD

Susan C. Dollar, LCSW, PhD

Assistant professors

Michele A. Brown, MSW

Sung-wan Kang, MS

Amanda M. Keys, PhD - Coordinator, MSW Program

Qiang Chen, PhD

Rose Korang-Okrah, PhD

Clinical assistant professors

Natalie A. Curry, MSW, LCSW - Coordinator, BSW Program

Regina M. Russell, MSSW, LCSW - Coordinator, BSW Field Education

Tiffany S. Havlin, PhD - Coordinator, MSW Field Education

Clinical instructor

Cole R. Smith, MSW

Emeritus faculty

Lola M. Butler, PhD

Mary Ann Jennings, PhD

Joan C. McClennen, PhD

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Missouri State

Social Work Courses

Social Work (SWK) courses

SWK 200 Introduction to Social Work

This course is an introduction to the values, knowledge, and skills that guide the profession of social work. Examines practice interventions at the individual, family, group, organization and community levels. The fields and settings for social work practice are discussed. A grade of "C" or better is required for admission to the BSW program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SWK 213 Social Welfare Policy and Services

Prerequisite: "C" or better in SWK 200 or concurrent enrollment.

This course examines the historical development, philosophical orientation, and analysis of social welfare policy and services in the United States, as well as orienting students to the development of social work as a profession. The course focuses on the analytic and interactional strategies related to policy analysis, development, and implementation. Areas of study include domestic and global aspects of practice. A grade of "C" or better is required for admission to the BSW program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SWK 219 Human Diversity

General Education Course (Focus on Cultural Competence).

Content and skill development pertinent to working with diverse racial, cultural, ethnic, and other populations such as persons with physical disabilities and mental illnesses. This course is designed primarily to inform and sensitize individuals for effective interventions within a heterogeneous society. A grade of "C" or better is required for admission to the BSW program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SWK 300 Service Learning in Social Work

SWK 300 Service Learning in Social Work

Prerequisite: 30 hours and concurrent enrollment in SWK 213.

This service component for an existing course incorporates community service with classroom instruction to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization or human/social service agency. Approved settings will focus on populations-at-risk, diverse populations and groups that have experienced social and economic injustice. A list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

SWK 304 Professional Development and Social Work Ethics

Prerequisite: admission to the BSW program.

A critical exploration of self for the purpose of developing and demonstrating professional and ethical behavior as a change agent. This course will provide opportunities for self-reflection and personal and professional growth. The course will examine how the use of self influences ethical social work practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 307 Social Work Practice with Individuals

Prerequisite: admission to the BSW program.

Basic principles, practice theories and skill for beginning generalist practice with individuals. Integrates practice theory and intervention skills within the context of the Generalist Intervention/Problem-Solving model. The class emphasizes personal awareness, professional growth, critical thinking and skills practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SWK 313 Social Justice

Prerequisite: admission to the BSW program; and ECO 155 or ECO 165 or concurrent enrollment in ECO 155 or ECO 165; and PLS 101.

The primary subject matter of this course is social and economic inequality in United States society. Students are introduced to the patterns and processes of social and economic inequality in its major forms: class, race/ethnicity, gender, and sexual and political orientation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 314 Advanced Social Welfare Policy and Services

SWK 314 Advanced Social Welfare Policy and Services

Prerequisite: admission to the BSW program; and SWK 213.

An introduction to the analytic, interactional, value clarification and political strategies necessary for policy analysis and implementation. Areas of study include domestic and global aspects of policy practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SWK 315 Social Work Practice with Groups

Prerequisite: admission to the BSW program.

Offers basic principles of group interventions with a generalist practice foundation. Contrasts groups with other forms of social work practice. Reviews skills required to conduct clinical and task groups. Emphasizes cultural diversity and ethical parameters when offering group services. (3-0) S

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

SWK 320 Services for Women

Examination of the multiple problems women experience, and needed community resources. Areas of study broadly include women and health, violence against women, women and socio-economic status.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 325 Human Behavior and the Social Environment I

Prerequisite: admission to the BSW program; PSY 121 and SOC 150 or concurrent enrollment in PSY 121 and SOC 150; and BIO 101 and 111, or BMS 100 and 101, or BMS 110 and 111.

An introduction to the dynamics of human behavior and the effects of the social environment on the development of individuals and families.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 326 Human Behavior and the Social Environment II

Prerequisite: admission to the BSW program; and SWK 325.

Exploration of a broad systems' approach to the generalist practice of social work. Focuses on the theories that support social work practice with groups, organizations, and communities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SWK 330 Social Work Practice with Addictions

Examinations of the problems related to substance use disorders and other addiction issues. Areas of study broadly include definitions, prevalence, etiology, policies, effects on family and society, and prevention and treatment approaches.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 365 Families in Later Life

Prerequisite: PSY 121; and CFD 155 or CFD 163 or 30 hours.

Examination of the structure and function of families in later life. Topics of interest include demographic trends impacting the structure of the family, marriage, sibling relations, parent-adult child relations, grandparenthood, widowhood, and retirement. The application of family theories and their relevance to later life families will be discussed. Identical with CFD 365, GER 366, and PSY 366. Can only receive credit for one of the following: CFD 365, GER 366, PSY 366 or SWK 365.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 370 Child Welfare Services

Develop beginning competence in assessing types and benefits of different child welfare services, (i.e., foster care, adoptions, institutionalization); examination of the impact of public policies and social work practice on children and families.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 397 Special Topics

Prerequisite: permission of instructor.

Selected topics of contemporary interest in social work such as changing social welfare policy, specialized fields of social work, models of practice and future trends in social work. May be repeated to a total of 6 hours as topics change. Variable Content Course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SWK 418 Methods of Social Research in Social Work Practice

Prerequisite: admission to the BSW program; SWK 307 and SWK 326; and one of the following statistics courses: SOC 302, PSY 200, AGR 330, MTH 340, QBA 237, REC 328, or concurrent enrollment.

The application and use of the social scientific method for conducting research and applying research to social work practice including, but not limited to, single subject research design, treatment intervention evaluation, and program evaluation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 420 Social Work Practice with Families

Prerequisite: admission to the BSW program; and SWK 307 and SWK 326.

Offers basic principles of family interventions with a generalist practice foundation. Contrasts families with other forms of social work practice. Overviews skills needed to work with families. Emphasizes cultural diversity and ethical parameters when offering family services.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 430 Social Work Practice in Communities and Organizations

Prerequisite: admission to the BSW program; and SWK 307 and SWK 326.

Problem assessment and practice interventions with macrosystems. Examines strategies and techniques for social work practice with organizations and communities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 470 Community Resources for Older Adults

Prerequisite: PSY 121.

Covers the services, programs and institutions involved in providing services to older adults in the United States, with a focus on community-based services. Typical needs, issues, concerns and desires of older persons are identified and corresponding community-based services to address these needs are discussed. Emerging issues and developments in the field of gerontology will also be discussed as they relate to community services and resources. Site visits to agencies and organizations serving older adults will enhance students' familiarity with resources to improve the quality of life and well-being of aging members in our society. Identical with GER 470. Cannot receive credit for both SWK 470 and GER 470.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 480 Social Work Integrative Seminar

Prerequisite: admission to the BSW program; and SWK 418 and SWK 420 and SWK 430; and concurrent enrollment in SWK 490.

In conjunction with SWK 490, this course satisfies the Public Affairs Capstone Experience. Examines student experiences, problems, and questions related to the practicum. Integrates theory, knowledge, social work values and skills from previous social work courses to prepare generalist social work practitioners. Failure to pass this course will result in failure to pass SWK 490. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SWK 490 Practicum in Social Work

Prerequisite: admission to the BSW program; and SWK 418 and SWK 420 and SWK 430; and concurrent enrollment in SWK 480.

In conjunction with SWK 480, this course satisfies the Public Affairs Capstone Experience. An educationally directed social work practice experience with individuals, groups, families, communities and organizations in a social service agency. Students are required to complete a minimum of 450 hours. Failure to pass this course will result in failure to pass SWK 480. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
9	0	32	Spring

SWK 496 Directed Readings in Social Work

Prerequisite: 6 hours of social work and permission.

Readings designed to supplement material introduced in previous social work courses. Includes a wide selection from literature in the field. May be repeated to a total of 9 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SWK 502 Rural Health

Prerequisite: junior standing.

This course offers a study of health care delivery in rural communities. It includes theoretical foundations, cultural considerations and specific characteristics of rural environments and people. Local and international perspectives will be explored. This course has a community experience component. Identical with NUR 502. Cannot receive credit for both SWK 502 and NUR 502. May be taught concurrently with SWK 602. Cannot receive credit for both SWK 602 and SWK 502.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SWK 543 Non-Profit Management in the Health and Human Services

Prerequisite: junior standing and permission of instructor.

The purpose of this course is to lay a leadership and management foundation for those in social work and the human services professions from the nonprofit/social or public sectors. The history and scope of the U.S. nonprofit sector, as well as contemporary theories of nonprofit enterprise, governance and leadership, ethics, marketing, advocacy techniques, decision-making models and current ideas about possible futures for the sector will be presented. Students will leave the course with a solid understanding of nonprofit /social sector organization, and develop an understanding of his or her management style and philosophy. May be taught concurrently with SWK 643. Cannot receive credit for both SWK 543 and SWK 643.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SWK 544 Family Health and Family Violence

Enhances students' understanding of the theories, policies, practices, and interventions related to family violence. May be taught concurrently with SWK 641. Cannot receive credit for both SWK 544 and SWK 641.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SWK 558 Tropical Health for International Workers

This non-clinical course will provide the student with the ability to assess tropical health risks in a remote setting, to take steps to protect the individual and the community from common threats, and to communicate health information to a diverse community in a culturally appropriate and effective manner. The course will be taught at the Yachana ecolodge on the Napo river in Ecuador, providing students with the opportunity to become familiar with the health risks of a remote tropical environment and to interact with the culture of an indigenous population in the setting of a public health program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

SWK 595 Grant Writing in the Health and Human Services

Prerequisite: junior standing; and permission of instructor.

This online course offers an interdisciplinary approach to understanding grant writing and how health and human service professionals can collaborate for successful proposal writing. Course will focus on practical skills needed to develop proposals, budgets, and evaluation plans. Attention will be given to preparing a competitive grant proposal. This course will cover the basics of proposals - purpose statements, background and justification, aims or objectives, personnel, time line, methods, budget, and evaluation, and how to effectively manage grants once they are funded. Grant writing is related to health and human services that stress access to and availability of resources. The needs of culturally diverse groups or communities will be discussed in this course, along with the particulars of proposals that may be most effective in meeting such needs. May be taught concurrently with SWK 644. Cannot receive credit for both SWK 595 and SWK 644.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 597 Special Topics

Prerequisite: junior standing.

Selected topic of advanced content in social work, relevant to fields of practice or practice methodologies. May be repeated to a total of 6 hours as topics change. May be taught concurrently with SWK 699. Cannot receive credit for both SWK 699 and SWK 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SWK 598 Ethical Dimensions of Social Work

Prerequisite: junior standing.

Examines the ethical dimensions of social work in the context of ethical issues related to practice; including tensions intrinsic to the mission of social work, and examination of various philosophical frameworks and codes of ethics, analysis of larger systems that create and sanction specific values and ethics, legal issues, and decision-making strategies. May be taught concurrently with SWK 698. Cannot receive credit for both SWK 698 and SWK 598.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SWK 599 Health Literacy in the Human Services

Prerequisite: junior standing and permission of instructor.

This online course offers an interdisciplinary approach to understanding functional health literacy and how the public's literacy skills affect interactions with health and human services professionals. Includes an examination of the data for national and international literacy levels and populations at risk for low literacy; research on health literacy; assessment tools; and practical techniques for addressing literacy issues in spoken and written communications at the practitioner and organizational levels. Identical with BMS 599. Cannot receive credit for both SWK 599 and BMS 599. May be taught concurrently with SWK 696. Cannot receive credit for both SWK 599/696 and BMS 599.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SWK 602 Rural Health

This course offers a study of health care delivery in rural communities. It includes theoretical foundations, cultural considerations and specific characteristics of rural environments and people. Local and international perspectives will be explored. This course has a community experience component. Identical with NUR 502. Cannot receive credit for both SWK 502 and NUR 502. May be taught concurrently with

SWK 502. Cannot receive credit for both SWK 502 and SWK 602.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

SWK 641 Family Health and Family Violence

Enhances students' understanding of the theories, policies, practices, and interventions related to family violence. May be taught concurrently with SWK 544. Cannot receive credit for both SWK 641 and SWK 544.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SWK 643 Non-Profit Management in the Health and Human Services

The purpose of this course is to lay a leadership and management foundation for those in social work and the human services professions from the nonprofit/social or public sectors. The history and scope of the U.S. nonprofit sector, as well as contemporary theories of nonprofit enterprise, governance and leadership, ethics, marketing, advocacy techniques, decision-making models and current ideas about possible futures for the sector will be presented. Students will leave the course with a solid understanding of nonprofit /social sector organization, and develop an understanding of his or her management style and philosophy. May be taught concurrently with SWK 543. Cannot receive credit for both SWK 643 and SWK 543.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SWK 644 Grant writing in the Health and Human Services

Prerequisite: permission of instructor.

This online course offers an interdisciplinary approach to understanding grant writing and how human service professionals can collaborate for successful proposal writing. Grant writing in the Health and Human Services will focus on practical skills needed to develop proposals, budgets, and evaluation plans. Attention will be given to preparing a competitive grant proposal. Grant writing is related to human services that stress access to and availability of resources. The needs of culturally diverse groups or communities will be discussed in this course, along with the particulars of proposals that may be most effective in meeting such needs. May be taught concurrently with SWK 595. Cannot receive credit for both SWK 595 and SWK 644.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SWK 695 Forensics Social Work

Prerequisite: permission of instructor.

This course teaches social workers to work in legal settings (e.g., criminal court, civil court, juvenile court, family court, prisons, jails). A broad

range of topics is discussed that give students exposure to various types of forensic social work. This course is designed to assist students in preparing for various practice settings where social work and the law intersect.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SWK 696 Health Literacy in the Human Services

Prerequisite: permission of instructor.

This online course offers an interdisciplinary approach to understanding functional health literacy and how the public's literacy skills affect interactions with health and human services professionals. Includes an examination of the data for national and international literacy levels and populations at risk for low literacy; research on health literacy; assessment tools; and practical techniques for addressing literacy issues in spoken and written communications at the practitioner and organizational levels. May be taught concurrently with SWK 696. Cannot receive credit for both SWK 696 and SWK 599.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SWK 698 Ethical Dimensions of Social Work

Examines the ethical dimensions of social work in the context of ethical issues related to practice; including tensions intrinsic to the mission of social work, and examination of various philosophical frameworks and codes of ethics, analysis of larger systems that create and sanction specific values and ethics, legal issues, and decision-making strategies. May be taught concurrently with SWK 598. Cannot receive credit for both SWK 598 and SWK 698.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SWK 699 Special Topics

Selected topic of advanced content in social work, relevant to fields of practice or practice methodologies. May be repeated to a total of 6 hours as topics change. May be taught concurrently with SWK 597. Cannot receive credit for both SWK 597 and SWK 699.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

SWK 705 Human Behavior in the Social Environment

Prerequisite: admission to MSW program.

Content on life span development and the influence of various systems on the individual.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 710 Foundations in Social Work Practice with Individuals

Prerequisite: admission to MSW program.

Within a generalist framework, course provides an ethically-based, theory-driven, culturally competent approach to delivering professional social work services to individuals with varied issues and practice settings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 715 Social Welfare Policy and Services

Prerequisite: admission to MSW program or permission.

Covers the historical development, philosophical orientation, and analysis of social welfare policy and services in the United States. Examines social welfare policy in multiple areas.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 725 Foundations in Social Work Practice with Families and Groups

Prerequisite: admission to MSW program.

Within a generalist framework, this course focuses on basic skills and concepts related to social work practice with groups and families. Topics include group facilitation process and tasks, contrast between non-kin groups and family sessions, and strategies for working with families.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 726 Foundations in Social Work Practice with Communities and Organizations

Prerequisite: admission to MSW program.

Uses social work methods to focus on the dynamics associated with organizational and community generalist practice. This course provides a knowledge base (i.e., theory, research, and practice wisdom), values, and practice skills for the generalist social work profession. Concentration will be on social work practice occurring with organizations and communities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SWK 730 Perspectives in Human Diversity and Societal Systems

Prerequisite: admission to the MSW program or permission of department.

Using a social work strengths perspective and the ecological system theory, the course explores multiple dimensions and intersectionality of diversity, and social, economic, and environmental justice in a pluralistic and increasingly globalized society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SWK 740 Social Work Field Practicum and Seminar I

Prerequisite: admission to MSW program; and completion of, or concurrent enrollment with, all other foundation courses.

Students integrate generalist level social work competencies with supervised experiences at a community agency. Seminar class with field supervision enhances the student's application of all previous foundation coursework with seminar assignments and activities of the field experience. Students must complete 450 hours in placement; required practicum liability insurance is included in the supplemental course fee.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-10			Spring

SWK 742 Substance Use and Social Work Practice

This course provides an opportunity for the students to understand the problems of alcohol and drug use and dependence, and the impact on individuals, families, and the broader community.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SWK 743 Management and Program Development in Human Service

Develop knowledge and skills for effective supervisors and administrators in human service organizations. Students will also learn grant proposal writing and develop an understanding of their management style and philosophy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

SWK 746 Foundations in Social Work Research

Prerequisite: admission to MSW program; and Advanced Standing or completion of all foundation coursework; or permission of department.

Teaches foundational knowledge and skills in key social work research methods; reviews research concepts and tools most frequently encountered by the family-focused social work practitioner.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Summer

SWK 750 Social Work Practice I

Prerequisite: admission to MSW program; and Advanced Standing or completion of all foundation coursework.

Examines human behavior in the social environment with advanced practice theories to engage and assess individuals, families, groups, organizations, and communities with consideration of diversity factors. Analysis of personal and professional values and evidenced-informed practice deepens critical thinking as an advanced generalist social worker.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

SWK 754 Advanced Clinical Social Work Assessment

Prerequisite: SWK 750; and admission to MSW program.

Examines advanced topics related to individual and family-based assessment. Students deepen critical thinking as advanced generalist practitioners, learn when to use various clinical assessment tools (e.g., DSM), and develop skills in data collection, organization, and interpretation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 755 Social Work Practice II

Prerequisite: SWK 750; and admission to MSW program.

Applies key advanced theories to intervention and evaluation phases with individuals, families, groups, organizations and communities. Students develop advanced direct practice skills and written intervention plans to demonstrate the ability to critically choose interventions and evaluation methods that enhance the well-being of clients and constituencies with consideration of diversity.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 756 Social Work Practice III

Prerequisite: SWK 754 and SWK 755; and admission to MSW program.

Extends students' application of research informed practice, multi-level system perspective, and inter-professional collaboration in interventions and evaluation measures in health service areas of children and families, behavioral, physical, and community health.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Spring

SWK 760 Advanced Policy Practice

Prerequisite: SWK 750; and admission to MSW program.

Students examine policies that affect client systems, and how these policies translate into programs and delivery systems in the United States and other countries. The course expands knowledge of the interrelatedness of diversity, policy, human rights and social justice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

SWK 780 Social Work Field Practicum and Seminar II

Prerequisite: admission to MSW program; and field coordinator approval; and completion of, or concurrent enrollment in, all other specialist courses.

Students integrate advanced generalist level competencies with supervised experiences at a community agency. Seminar class with field supervision enhances the student's application of all previous specialist coursework with seminar assignments and activities of the field experience. Students must complete 525 hours in placement; required practicum liability insurance is included in the supplemental course fee.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-10			Spring

SWK 797 Applications in Social Work Research

Prerequisite: SWK 746; and admission to MSW program.

Teaches advanced knowledge and skills in key social work research methods; reviews key research applications in social work practice settings, including evaluation of practice and program evaluation. Integration between research projects and student's professional interests in the field are encouraged.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

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Missouri State

Social Work

Major(s)

Social Work (Comprehensive)

Bachelor of Social Work

Program description

The undergraduate Social Work Program at Missouri State University builds upon a liberal arts education while preparing students for the practice of Social Work, with an emphasis on the strengths perspective. Social Work is a comprehensive major consisting of 48 hours of required Social Work courses (which includes a 12-hour practicum); 18 hours of required courses from the humanities and sciences; and 6 hours of electives offered by the School of Social Work (SWK electives). Students who successfully complete general education, all general baccalaureate requirements and major requirements are awarded a Bachelor of Social Work degree.

Prospective students must contact the Coordinator of the BSW Program to obtain information on how to be admitted into the program and be assigned an advisor. Accepted students are expected to consult with their advisor at least once a semester.

This program is accredited by the Council on Social Work Education. Additional information regarding the BSW Program may be found in the *BSW Student Handbook* available from the School of Social Work.

Eligibility to apply

Once accepted to MSU, students are eligible to apply for admission into the BSW Program when the following conditions are met:

A. Completion of a minimum of 45 hours with a combined GPA (Missouri State and transfer combined) of 2.50 or higher on a 4-point scale
B. Completion or concurrent enrollment in the Foundations Courses for General Education except the second writing course
C. Completion or concurrent enrollment in SWK 200(3), SWK 213(3), and SWK 219(3) with a minimum grade of "C". Candidates whose application is reviewed positively will not have admission to the Program until grades of "C" or better are recorded for these courses at the close of the application semester.

Admission to the Bachelor of Social Work Program

Students seeking admission to the BSW Program do so with the understanding that: (a) admission is competitive and selective and not all who apply can be accommodated; and (b) meeting the minimum standards does not guarantee a student will be admitted. The BSW committee will make a decision to admit based on a holistic picture of the completed course work and values that are consistent with the conduct of the profession and the Social Work Code of Ethics.

Students who are planning to pursue a BSW degree must complete the following steps:

1. Declare a major in the Social Work Program within the University which places the student in pre-admit status.
2. When a student is eligible to apply for admitted status, the student must submit a formal application, with accompanying forms, to the School of Social Work office. Directions for completing the packets will be included within the application packet. Applications for admission to the Program will be available online. Refer to the application packet for specific due dates because the dates can vary. Applications submitted after the deadline will not be considered. Incomplete applications may result in not being considered.
3. Students will be notified, prior to registration, if they are admitted into the BSW Program. If the student is not admitted, the student will be responsible for meeting with his/her advisor to transition into another major.

Program requirements

A. General Education Program and Requirements
B. Major Requirements
   1. Recommended Course: SWK 300(1)
   2. Specific Course Requirements (other than Social Work courses): ECO 101(3); PLS 101(3); PSY 121(3); SOC 150(3), PSY 304(3); and PSY 200(3) or SOC 302(3) or AGR 330(3) or MTH 340(3) or QBA 237(3) or REC 328(3)
   3. SWK 200(3), 213(3), 219(3), 304(3), 307(3), 313(3), 315(3), 325(3), 326(3), 418(3), 420(3), 430(3), 480(3), 490(9)
   4. Two SWK electives (6 hours)
   5. Public Affairs Capstone Experience will be fulfilled by completion of SWK 480(3) and 490(9).
C. General Baccalaureate Degree Requirements

Retention, progression, and graduation policies

After admission into the BSW Program, students must achieve the following for retention in the major.

1. Maintain a combined GPA (Missouri State and transfer combined) of 2.50 or higher. If a student drops below a GPA of 2.50, the student will be withdrawn from the program at the end of the semester.
2. Achieve a grade of "C" or better in all Social Work courses, which are courses with "SWK" prefix.
3. Earning a "D" grade or below in a Social Work (SWK) course will result in the inability to be admitted into the program. If a student is formally accepted in the program and earns a "D" grade in a Social Work (SWK) course, the student must retake the course before progressing. If a student is formally accepted in the program and earns an "F" grade in a Social Work (SWK) course, s/he will be dismissed from the program at the end of the semester and will need to reapply.
4. Courses in the Social Work major may not be taken more than twice.
5. A student must earn a "Pass" grade in SWK 490(9). A grade below a "C" in SWK 480(3) and/or a "Not Pass" grade in SWK 490(9) means the student must reapply for admission and be readmitted to the BSW Program.
6. Students are encouraged to meet with their advisor in the School of Social Work prior to or upon entering the University and at least once a semester to ensure the proper selection and sequencing of prerequisites for the BSW Program.
7. Students must demonstrate acceptable levels of maturity, integrity, behaviors and attitudes as defined by the National Association of Social Work (NASW).

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Sports Medicine and Athletic Training

Programs

Undergraduate

Athletic Training, Bachelor of (BSAT)

Sports Medicine (Minor)

Graduate

Athletic Training (MATC, MS)

Accreditation

Commission on Accreditation of Athletic Training Education – Entry-level Master's in Athletic Training (MATC)

Contact

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Missouri State

Office of the Registrar
Undergraduate Catalog

Sports Medicine and Athletic Training Faculty

Associate professors

W. David Carr, PhD

Tona M. Hetzler, EdD

Michael B. Hudson, PhD

Clinical associate professor

Allan J. Liggett, EdD

Visiting instructor

McCall E. Christian, DAT

Emeritus faculty

Gary L. Ward, MS

AT program medical directors

Bernard A. Griesemer, MD

Brian J. Mahaffey, MD

Richard A. Seagrave, MD

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Missouri State

Office of the Registrar
Undergraduate Catalog

Sports Medicine and Athletic Training Courses

Athletic Training (ATC) courses

ATC 220 Introduction to Athletic Training

This course will cover various aspects of athletic training and related sports medicine professions and the Athletic Training program at Missouri State. Students will have the opportunity to explore the AT profession by completing 10 clinical observation hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

ATC 221 Clinical Skills in Athletic Training

Prerequisite: ATC 220 or concurrent enrollment; and permission of program director.

Students are introduced to many of the emergency management and clinical skills required by athletic trainers and other allied health care professionals in a variety of clinical settings.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Spring, Summer

ATC 222 Athletic Injuries

Prerequisite: BMS 307 or KIN 250.

Techniques, principles and theory underlying prevention and care of athletic injuries.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	1	Fall, Spring

ATC 224 Basic Athletic Training/Sports Medicine Techniques

Prerequisite: ATC 221 and BMS 307 (or concurrent enrollment with permission of program director).

Procedures, techniques, principles and theory relative to development of essential cognitive and psychomotor competencies commonly used in athletic training.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Fall

ATC 225 Athletic Training Observation

Prerequisite: ATC 220.

Clinical observation (50 hours) and experience for students considering a career in Athletic Training or related sports medicine field. Students will explore various athletic training employment settings and learn basic skills

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

ATC 240 Clinical Practicum I

Prerequisite: ATC 221 and permission of program director.

Supervised clinical experiences in athletic training. Emphasis on developing clinical skills required by athletic trainers. Students may be required to be in attendance during periods when regular university classes are not in session.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

ATC 241 Clinical Practicum II

Prerequisite: ATC 221 and ATC 240 and permission of program director.

Continuation of supervised clinical experiences in athletic training. Emphasis on developing and refining clinical skills required by athletic trainers. Students may be required to be in attendance during periods when regular university classes are not in session.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

ATC 297 Special Topics

Prerequisite: permission of program director.

Special study of Sports Medicine and Athletic Training. Variable content course. May be repeated to a maximum of four hours. Same topic may be repeated once.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

ATC 320 Athletic Training Administration

Prerequisite: at least 75 hours towards Athletic Training major completed or at least 15 hours towards Sports Medicine minor completed; and permission of program director.

Development and administration of current theories, methods and techniques related to the organization and administration of athletic training programs. Integration of leadership behaviors into the practice and management of athletic training practice areas such as program management, budget, insurance, facility design, legal issues, global issues, and ethics in the profession of athletic training will be discussed. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ATC 324 Therapeutic Modalities

Prerequisite: BMS 308 and permission of program director.

A study of the theory and application of various therapeutic modalities used in the treatment of many injuries, including ultrasound, diathermy, electrical stimulation, hydrotherapy, cryotherapy, and thermotherapy. May be taught concurrently with OTE 624. Cannot receive credit for both ATC 324 and OTE 624.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Spring

ATC 326 Therapeutic Interventions in Athletic Training

Prerequisite: ATC 222 or ATC 224; and BMS 308 and PSY 121.

Theoretical and practical synthesis of area often requiring instruction on the part of an athletic trainer to enhance performance opportunities for athletes and other areas of physical activity. Emphasis on subject matter and skills necessary to recognize potential problems, help in understanding the interventions, and develop techniques for referral.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

ATC 328 Lower Body Assessment

Prerequisite: ATC 221; and BMS 307 with grade of "C" or better; and BMS 450.

Content addresses observation and evaluation techniques for injuries to the lower body. Students must integrate anatomical structures to provide a basis for critical decision making in an injury management environment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall

ATC 329 Upper Body Assessment

Prerequisite: ATC 328.

Content addresses observation and evaluation techniques for injuries to the upper body. Students must integrate anatomical structures to provide a basis for critical decision making in an injury management environment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Spring

ATC 332 Research Methods in Athletic Training

Prerequisite: PSY 200; and at least 60 hours completed towards Athletic Training major or 12 hours toward Sports Medicine minor; and permission of program director.

Interactive study of importance and process of conducting ethical research in athletic training and the healthcare professions. Emphasis placed on research design, ethics, collection of data, and the dissemination of results.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

ATC 340 Clinical Practicum III

Prerequisite: ATC 241 and permission of program director.

Continuation of supervised clinical experiences in athletic training. Emphasis on developing clinical decision making skills used by athletic trainers. Students may be required to be in attendance during periods when regular university classes are not in session.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

ATC 341 Clinical Practicum IV

Prerequisite: ATC 340 and permission of program director.

Continuation of supervised clinical experiences in athletic training. Emphasis is on refining clinical decision making skills used by athletic trainers. Students may be required to be in attendance during periods when regular university classes are not in session.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

ATC 344 Foundations of Rehabilitation

Prerequisite: ATC 328 and BMS 450.

Content addresses basic concepts, foundations and principles of musculoskeletal rehabilitation relating to the body. Orthopedic surgical procedures of the body common in athletic training with a focus primarily on joint and musculoskeletal structures, tissue pathology for each protocol, healing constraints, and implications for rehabilitation will also be presented.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall

ATC 354 Clinical Applications of Rehabilitation

Prerequisite: ATC 344.

Applied study of advanced principles of musculoskeletal rehabilitation. Course will focus on clinical decision making as it relates to rehabilitation progression, exercise selection, reconditioning, return to activity and other relative aspects of the rehabilitation process.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Spring

ATC 397 Special Topics

Prerequisite: permission of program director.

Special study of Sports Medicine and Athletic Training. Variable content course. May be repeated to a maximum of four hours. Same topic may be repeated once.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

ATC 420 Medical Aspects of Athletic Training

Prerequisite: BMS 308 with grade of "C" or better; and 60 hours; and permission of program director.

Students are exposed to various medical specialties which contribute to an understanding of comprehensive health care program. Topics stressed include injury and illness prevention, definitive medical treatment, indications for referral, and injury rehabilitation from the perspective of health care specialists in the community.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ATC 425 Contemporary Topics in Athletic Training

Prerequisite: at least 75 hours towards Athletic Training major completed or at least 15 hours toward Sports Medicine minor completed; and permission of program director.

Discussion of current issues and problems facing the athletic training profession.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

ATC 440 Clinical Practicum V

Prerequisite: ATC 341 and permission of program director.

Continuation of supervised clinical experiences in athletic training. Emphasis on developing critical thinking skills associated with injury rehabilitation used by athletic trainers. Students may be required to be in attendance during periods when regular university classes are not in session.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

ATC 441 Clinical Practicum VI

Prerequisite: ATC 440 and permission of program director.

Continuation of supervised clinical experiences in athletic training. Emphasis is on refining critical thinking skills associated with injury assessment, management, and rehabilitation. Students may be required to be in attendance during periods when regular university classes are not in session.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

ATC 497 Athletic Training Seminar

Prerequisite: ATC 221 and ATC 222; and permission of program director.

This course offers a concentration in subject matter to improve skill and knowledge in specific areas. Each workshop or seminar will be concerned with a single topic. Number of class hours is determined by length and specificity of workshop/seminar. Thirty clock hours equal one semester hour. May be repeated to a maximum of three hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

ATC 498 Research Projects in Athletic Training

Prerequisite: ATC 332 and PSY 200; and permission of program director.

This course provides an opportunity to enhance research skills within a specific topic area of athletic training. The student would conduct a research project under faculty supervision. May be repeated once to a maximum of six hours.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

1-3			Fall, Spring

ATC 499 Independent Study in Athletic Training

Prerequisite: ATC 221 and ATC 222; and permission of program director.

This course provides opportunities to pursue specific subject areas in Athletic Training. The independent study may be a reading project or a practical application of theories under faculty supervision. May be repeated to a maximum of three hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

ATC 601 Foundations of Athletic Training

Prerequisite: permission of program director.

This course will cover various aspects of the history, development, socialization and standards of practice of the athletic training profession. Key terms and concepts utilized in the field, areas of practice, roles and responsibilities, and other essential knowledge and skills for the athletic training profession will be discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Summer

ATC 602 Orthopedic Review

Prerequisite: permission of program director.

This course will expand upon students' prerequisite structural knowledge to develop an understanding of basic, applied and clinical aspects of orthopedic and neuromuscular evaluation and therapeutic intervention.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Summer

ATC 604 Clinical Skills in Athletic Training

Prerequisite: permission of program director.

Students are introduced to various procedures, techniques, principles and theories relative to development of injury and illness prevention and essential immediate and emergency management clinical skills required of an athletic trainer.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	2	Summer

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Summer

ATC 610 Leadership Theory and Issues in Athletic Training

This course covers an examination and application of leadership and professional theories and the attributes, behaviors, and values necessary for leadership in health professions (specifically to aspects of the practice of athletic training).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

ATC 612 Human Movement

This course will address the neuromotor coordination and integration of human movement. Concepts of brain mapping, the visual and vestibular systems, movement, and disassociation will be addressed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall

ATC 620 Leadership Concepts in Athletic Training

This course covers an examination and application of leadership and professional theories and the attributes, behaviors, and values necessary for leadership in health professions (specially to aspects of the practice of athletic training.) The organization and function of professional associations, activities that serve the professional community and service to the public, the AT's role in healthcare delivery systems, outcome measurement, the role of evidence-based practice in the AT profession, cultural competence, and medical legal situations will also be covered.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	1	Spring

ATC 622 Athletic Training Practicum I

Prerequisite: permission of program director.

This is a supervised, 16-week clinical experience designed to provide students familiarity with the athletic training profession and a variety of work settings. Emphasis will be placed on the foundational behaviors of athletic training, professional communication skills and an understanding of pertinent clinical practice topics and issues. Students may be required to be in attendance during periods when regular university classes are not in session.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2			Fall

ATC 623 Patient Evaluation I

Prerequisite: permission of program director.

This course provides an overview of the etiology, incidence and prevalence, signs and symptoms, course and prognosis, and medical management of common conditions impacting physical activity. Content focuses on observation and evaluation techniques for injuries/impairments affecting the lower body. Students will incorporate information gained from evaluation process and assessment techniques to make a clinical diagnosis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ATC 630 Leadership Practicum

Prerequisite: ATC 610 and ATC 612.

An intensive clinical or administrative leadership experience requiring students to apply leadership knowledge and skills to real world issues. The leadership experience must also embrace the MSU public affairs mission and culminate in a meaningful response to an issue within the athletic training profession.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall

ATC 631 AT Integrated Lab I

Prerequisite: permission of program director.

Course content emphasizes the management of patients with injuries/impairments of the lower body. Students will integrate skills and knowledge of examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment to develop and manage appropriate patient plans of care. Emphasis will be placed upon using a systematic process, critical thinking, progression of techniques, and evidence based decision making.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall

ATC 632 Manual Therapy Techniques

Detailed analysis and application of manual therapy techniques for treating musculoskeletal pathologies involving the spine and upper and lower extremities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

ATC 633 Therapeutic Interventions I

Prerequisite: permission of program director.

This course will cover the theoretical and practical application of interventions (therapeutic exercise, modality devices, manual techniques) designed to enhance performance and function with an emphasis on lower extremity injuries and conditions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

ATC 640 Evidence-Based Practice

Course will analyze the clinical reasoning process used in health care disciplines, examine the different types and levels of clinical evidence and explore the implementation of evidence-based practice skills into the student's health care profession/practice.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

ATC 653 Patient Evaluation II

Prerequisite: permission of program director.

This course provides an overview of the etiology, incidence and prevalence, signs and symptoms, course and prognosis, and medical management of common conditions impacting physical activity. Content focuses on observation and evaluation techniques for injuries/impairments affecting the upper body. Students will incorporate information gained from evaluation process and assessment techniques to make a clinical diagnosis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ATC 663 Therapeutic Interventions II

Prerequisite: permission of program director.

This course builds on the knowledge and skills acquired in Therapeutic Interventions I. This course will cover the theoretical and practical application of interventions (therapeutic exercise, modality devices, manual techniques) designed to enhance performance and function with an emphasis on lower extremity injuries and conditions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ATC 671 AT Integrated Lab II

Prerequisite: permission of program director.

Course content emphasizes the management of patients with musculoskeletal injuries/impairments of the upper body. Students will integrate skills and knowledge of examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment to develop and manage appropriate patient plans of care. Emphasis will be placed upon using a systematic process, critical thinking, progression of techniques, and evidence based decision making.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

ATC 682 AT Practicum II

Prerequisite: Permission of program director.

This course is designed to provide students with continued familiarity with a variety of patients, diagnoses, age ranges, and situations; to see the roles of athletic trainers. This is a supervised, 16-week clinical experience that provides the opportunity to observe and apply knowledge and skills gained from didactic courses and clinical experiences. Students may be required to be in attendance during periods when regular university classes are not in session.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2			Spring

ATC 697 Special Topics

Prerequisite: permission of program director.

Special study of Sports Medicine and Athletic Training. Variable content course. May be repeated to a maximum of three hours. Same topic may be repeated once.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ATC 710 Seminar in Athletic Training

Prerequisite: permission of instructor.

Provides a forum for topics germane to the clinical practice settings and transition to professional practice. Topics of interest will cover areas such as performance enhancement principles, diagnostic assessment techniques, surgical procedures, pediatric athletic medicine, clinical education principles, and current professional topics. May be repeated to a maximum of two hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

ATC 711 Problem Based Practice

Prerequisite: permission of program director.

Students will be engaged in real cases that develop both problem solving strategies and disciplinary knowledge. Students will be placed in the active role of problem-solvers within situations that simulates the kind of problems faced by health care providers. Emphasis will be placed upon decision making and evidence based rationale. Must be repeated to a minimum of three hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring, Summer

ATC 713 AT Practicum III

Prerequisite: permission of program director.

This course is a structured clinical experience under the supervision of a qualified preceptor. Students are expected to develop their clinical decision making skills and apply skills and knowledge gained in didactic courses and clinical experiences. Students may be required to be in attendance during periods when regular university classes are not in session.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Summer

ATC 723 Movement Pattern Assessment

Introduction of fundamental movement patterns of the body and how to assess these movement patterns. Concepts of neuromotor human development and how these relate to the learning/patterning of these fundamental movement patterns.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

ATC 724 AT Practicum IV

Prerequisite: permission of program director.

This course provides continued clinical practice in the form of an eight-week, immersive clinical practicum and an eight-week, integrated clinical practicum under the supervision of a qualified preceptor. Students are expected to continue to develop their clinical decision making skills and apply skills and knowledge gained in didactic courses and clinical experiences. Students may be required to be in attendance during periods when regular university classes are not in session.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall

ATC 732 Applied Research Methods in Health Care

Research course in which students deepen their understanding and enhance their research abilities in order to contribute to the advancement of their chosen health care discipline. Course will explore topics of research design and research methods for conducting applied and clinical research projects with a focus on conducting outcomes-related research that can support clinical practices in the student's respective health care discipline.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ATC 733 Corrective Exercise Techniques/Movement Pattern Interventions

This course will cover the corrections of impairments and compensations to the fundamental movement patterns.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

ATC 734 Professional Development and Leadership

Prerequisite: permission of the program director.

This course introduces the student to the role of the athletic trainer as a leader within their own site, the profession, and the broader interprofessional health care system. Integration of the University's Public Affairs mission into the practice and management of fiscal management, marketing, and human resource functions. Discussion of regulatory systems, legal considerations, global issues, and ethics in the profession will be discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	0	Fall

ATC 741 Therapeutic Interventions III

Prerequisite: permission of program director.

This course builds on the knowledge and skills acquired in Therapeutic Interventions I and II. This course will cover the theoretical and practical application of interventions with an emphasis on manual techniques and corrective exercises.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

ATC 743 Advanced Therapeutic Interventions

Advanced concepts and evidence-based principles of rehabilitation programs. Enhancement of previously learned therapeutic exercise techniques and integration of therapeutic modalities and therapeutic exercise, including objective and functional goal setting and evaluation for appropriate progression and expedited return to activity.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

ATC 753 Pharmacology/General Medical Concepts

Prerequisite: permission of program director.

This course will expose students to various medical specialties which contribute to an understanding of comprehensive health care program. Emphasis on subject matter and skills necessary to recognize potential problems, help in understanding the interventions, and develop techniques for referral.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

ATC 773 Athletic Training Seminar

Prerequisite: permission of program director.

This course will allow students to review their previous course work, discuss current issues facing the profession, and develop personal learning plans for their future endeavors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

ATC 784 AT Practicum V

Prerequisite: permission of program director.

This course is the final clinical practicum. Students will complete both an immersive and an integrated clinical experience. Students will continue to develop their clinical decision making skills and applying skills and knowledge gained in didactic courses and clinical experiences. Students may be required to be in attendance during periods when regular university classes are not in session.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Spring

ATC 791 AT Research Project

Prerequisite: permission of program director.

In-depth scientific study of an area of interest that culminates in a scholarly paper and formal community presentation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Spring

ATC 792 Independent Study in Athletic Training

Prerequisite: permission of program director.

The course provides opportunities to pursue specific subject areas of interest in athletic training or as needs arise which are not covered by courses or content in the program. May be repeated to a maximum of three hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

ATC 797 Non-thesis Project

Prerequisite: ATC 732 and permission of project advisor.

Active participation in the ongoing research and/or clinical activities of athletic training faculty or clinical experience supervisor. Culminates in a presentation of an extensive scholarly paper. Must be repeated to a minimum of three hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

ATC 798 Special Topics

Prerequisite: permission of program director.

Special study of Sports Medicine and Athletic Training. Variable content course. May be repeated to a maximum of four hours. Same topic may be repeated once.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

ATC 799 Thesis

Prerequisite: ATC 732 and permission of research advisor.

Demonstration of the capacity for research and independent thought culminating in a thesis. Must be repeated to a minimum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

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Last Modified: August 9, 2019

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https://www.missouristate.edu/registrar/catalog/courses_sm.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Athletic Training

Major(s)

Athletic Training (Comprehensive)

Bachelor of Science in Athletic Training

The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

The admission process for the Athletic Training (AT) Program is separate from the application process for admission to the University. Students do not officially apply for admission into the AT Program until they have met all preadmission criteria (typically takes one year to complete). Admission to the AT Program is competitive and not all who apply can be accommodated. Once admitted into the AT Program, students must maintain retention criteria to remain in and process through the program.

Incoming freshmen and current Missouri State students

Incoming freshmen and current Missouri State University students interested in applying for the Athletic Training major are required to complete the AT Program Interest Form. Students are encouraged to initially declare a pre-sports medicine/Athletic Training major or a Sports Medicine minor. Students will make formal application to the Athletic Training major once they have completed the pre-admission requirements for consideration into the Athletic Training program. To complete the Athletic Training major, students must complete the three-year course and clinical sequence after formal admission into the program.

Transfer students

Transfer students need to speak to the AT Program Director regarding their admission into the Athletic Training major. It is in the student's best interest to discuss their options with the Program Director at least one semester prior to transferring into the program. Transfer students are required to complete the AT Program Interest Form.

Preadmission requirements (a.k.a., First-Year Experience)

Before a student can be considered for the Athletic Training major, the following application requirements must be met:

A. Admission to Missouri State University and/or student in good academic standing at MSU
B. Successful completion of the following courses: ATC 220(1) and ATC 221(2) ("B" or better); ATC 225(1) ("B" or better); BMS 110(3) and BMS 111(1) or BIO 121(4) ("C" or better); CHM 116(4) and 117(1) or both CHM 160(4) and CHM 161 ("C" or better is required for each course in both course combinations; and BMS 307 ("C" or better). If offered, a student can take one or more of these courses in the summer session prior to the fall semester they are applying and still be considered for admission to the major (as program spots allow). Preferred courses: GEP 101/UHC110, COM 115, ENG 110, MTH 135 or a higher numbered mathematics course listed in the Quantitative Literacy requirement of general education.
C. Observational hours with a program approved allied health care professional
D. AT Program Application - completed during spring semester of the first-year experience.

Selection, progression and retention requirements

A. Selection Process for the Athletic Training major:
    1. The number of students selected for formal admission to the major each year is limited by the number of students that meet all

criteria and the number of clinical placement sites available to the AT Program. Typically up to 20-25 clinical placements are available each year for newly admitted students.

2. The selection process begins at the end of each spring semester and is finalized during the summer. Consideration will be given to students who are completing preadmission coursework during the summer academic term. Students attempting courses for the first time in the summer due to scheduling issues in the previous fall or spring are given priority over students that are retaking preadmission required courses. Students selected for formal admission into the major will be contacted by the program director.
3. Requirements for formal admission into the major include the following:
   a. Complete all preadmission required coursework with the necessary grades and grade point averages indicated
   b. Complete the program's application form
   c. Schedule and complete an interview with the AT Program faculty
4. Applicants not formally admitted may reapply the following year. All applicants who reapply must meet all requirements in effect at the time of application. Students are encouraged to contact the department for current admission requirements.
5. All students selected for formal admission must provide evidence of being able to meet the technical standards of the program with or without reasonable accommodations. The technical standards for the program are included in the application material.
6. Upon notification of formal admission into the Athletic Training major, students will be required to initiate and pay for any security checks and drug screenings required for clinical agencies. All admitted students must complete a criminal record check and receive response that the applicant has not been convicted of any crime pursuant to Section 660.317 RSMo or other disqualifications that would prohibit licensure as an athletic trainer prior to being allowed to begin any clinical rotations.
7. All students are expected to provide their own transportation to clinical sites.
8. All students will be required to purchase student professional liability insurance.
9. Students may incur additional cost associated with the program — these costs will be published on the department website and/or in the program handbook.

B. Progression and Retention Requirements:

1. After students are selected into the Athletic Training major, retention in the program will be based on the following criteria:
   a. Completion of clinical experience
   b. Maintain a major coursework GPA of 3.00 on all ATC courses
   c. A cumulative University GPA of 2.80 or higher
2. Students who fail to meet all of the retention requirements may be placed on probation in the Athletic Training major for one semester. If standards are not met by the end of the probationary period, the student may be dismissed from the major. Students who receive a grade of "D" or "F" in an ATC course must repeat that course and receive a grade of "C" or higher to progress in the program and remain in the major. Students who do not meet the retention criteria for required didactic and/or clinical work may follow the program appeal process. Failure to follow the appeal process may result in dismissal from the program.

Athletic Training program requirements

Students selected for the program must complete all required coursework and clinical requirements. Those requirements include the following:

A. General Education Program and Requirements

Specific General Education Requirements:

1. BIO 121(4) or BMS 110(3) and BMS 111(1)
2. CHM 116(4) and 117(1) or both CHM 160(4) and CHM 161
3. MTH 135 or a higher numbered mathematics course listed in the Quantitative Literacy requirement of general education
4. PSY 121(3)

B. Major Requirements

1. Related Requirements: BMS 240(3), 307(4), 308(4), 430(3), 450(3), 567(4); PSY 200(3)
2. Athletic Training Requirements: ATC 220(1), 221(2), 224(4), 225(1), 240(2), 241(2), 320(3), 324(4), 326(3), 328(4), 329(4), 332(2), 340(2), 341(2), 344(4), 354(4), 420(3), 425(2), 440(2), 441(2)
3. Upon acceptance into the major, students will be required to fulfill six (6) semesters of clinical experiences. Students must receive a satisfactory clinical evaluation score for each experience. All students will be required to complete the following clinical experiences:
   a. One fall pre-season experience
   b. One fall season of interscholastic or intercollegiate football
   c. At least one (two preferred) semester assigned to University intercollegiate team experiences
   d. At least one (two preferred) semester at an affiliated sports medicine clinic
   e. At least one (two preferred) semester at an affiliated high school
   f. Two semesters of internship in a professional health care agency

i. Two semesters of integrated interprofessional health care experiences

4. Public Affairs Capstone Experience will be fulfilled by completion of ATC 320(3).

C. General Baccalaureate Degree Requirements

D. The AT Program faculty will retain the right to consider mitigating circumstances relative to all program requirements (admissions, retention, course prerequisites, etc.) and may alter one or more of these requirements for admission and program progression. Should a student's academic sequence be interrupted for any reason, that individual must meet with the AT Program faculty to determine the course of action. This decision will be on an individual basis, taking the situation and circumstances into consideration.

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Last Modified: June 20, 2019

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Missouri State

Office of the Registrar
Undergraduate Catalog

Sports Medicine

Minor(s)

Sports Medicine

Bachelor of Applied Science

Bachelor of Arts

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Music Education

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

Bachelor of Science in Nursing

Bachelor of Social Work

A. Complete the following courses (5-7 hours): ATC 220(1), 221(2); ATC 222(2) or 224(4)
B. Complete additional courses from the following to bring total hours in the minor to at least 18 hours: ATC 320(3), 326(3), 328(4), 329(4), 332(2), 344(4), 354(4), 420(3), 425(2)

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Missouri State

Office of the Registrar
Undergraduate Catalog

College of Natural and Applied Sciences

Programs

Indicates accelerated graduate program is available

Undergraduate

Applied Geophysics (Certificate)

Applied Geospatial Science (Certificate)

Astronomy (Minor)

Biology (BA, BS, Minor)

Chemistry (BS, Minor)

Community and Regional Planning (BS, Minor)

Computational Science (Certificate)

Computer Science (BS, Minor) *Options: Computer Science; Software Development*

Conservation Law Enforcement (Certificate)
Interdisciplinary program offered by Department of Criminology and Criminal Justice and Department of Biology

Engineering cooperative program with Missouri University of Science and Technology (BS)

Engineering Geology (Certificate)

Environmental Education (Certificate) Interdisciplinary program offered by Department of Biology and Department of Geography, Geology and Planning

Environmental Geoscience (Certificate)

Environmental Physics Technology (Minor)

Food and Beverage Operations (Certificate)

Foundations of Interdisciplinary Science (Minor)

Foundations of Pharmaceutical Science
(Certificate) Interdisciplinary program offered by Department of Chemistry, Department of Biology, and Department of Biomedical Science

Geographic Information Sciences (Certificate)

Geography (BA, BS, Minor)

Geologic Foundations (Certificate)

Geology (BS, Minor)

Geospatial Sciences (BS, Minor)

Global Studies (Minor)

Globalization and Sustainability (Certificate)

Hospitality Leadership (BAS, BS)

Informatics (Minor)

Mathematics (BA, BS, Minor)

Mathematics Education (BSEd)

Paleontology (Certificate)

Petroleum Geology (Certificate)

Physics (BS, Minor)

Small Town Planning and Development (Certificate)

Sustainability (Minor)

Sustainable Tourism Development (Minor)

Web Programming (Certificate)

Wildlife Conservation and Management (Biology - BS)

Graduate

Biology (MS)

Chemistry (MS)

Computer Science (MS)

Data Science (Certificate)

Environmental Monitoring and Sampling (Certificate)

Geography and Geology (MS)

Geospatial Information Sciences (Certificate)

Hospitality Administration (Certificate)

Materials Science (MS)

Mathematics (MS)

Natural and Applied Sciences with emphasis in Biology (MNAS)

Natural and Applied Sciences with emphasis in Chemistry (MNAS)

Natural and Applied Sciences with emphasis in Computer Science (MNAS)

Natural and Applied Sciences with emphasis in Geography, Geology and Planning (MNAS)

Natural and Applied Sciences with emphasis in Mathematics (MNAS)

Natural and Applied Sciences with emphasis in Physics (MNAS)

Petroleum Geology (Certificate)

Planning and Development (Certificate)

Plant Science (MS)

Science Content (Certificate)

Secondary Education with option in Biology (MSEd)

Secondary Education with option in Chemistry (MSEd)

Secondary Education with option in Earth Science (MSEd)

Secondary Education with option in Geography (MSEd)

Secondary Education with option in Mathematics (MSEd)

Secondary Education with option in Natural Science (MSEd)

Secondary Education with option in Physics(MSEd)

Courses are offered toward the option in Environmental Management within the Professional Studies program (MPS)

Courses are offered toward the option in Hospitality Administration within the Professional Studies program (MPS)

Centers for Research and Service

Center for Resource Planning and Management

The Center provides educational training, applied research and community outreach services in the field of urban planning and community development. The Center is an affiliate data center of the Missouri State Census Data Center and an administrative agent of the Southwest Missouri Advisory Council of Governments.

Ozarks Environmental and Water Resources Institute

The Institute supports efforts to protect and restore water quality and supply in the Ozarks Region of southern Missouri and northern Arkansas. It provides a hub for science-based monitoring and assessment of water and sediment quality trends, watershed function and disturbance, and land use/land cover change in the Ozarks.

Contact

Dean

Tamera S. Jahnke, PhD

Associate deans

Kyoungtae Kim, PhD

Xiaomin Qiu, PhD

Jorge L. Rebaza-Vasquez, PhD

Office

Temple Hall, Room 142

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Bull Shoals Field Station

The Bull Shoals Field Station operates to promote research and provide educational programs that increase public understanding of southwest Missouri ecosystems.

Graduate program

A Master of Natural and Applied Science degree is administered by the College of Natural and Applied Sciences. Courses are offered toward the option in Natural Science within the Master of Science in Education degree in Secondary Education. Additional graduate programs are offered through the academic departments in the College of Natural and Applied Sciences.

Accelerated Master of Natural and Applied Science

Eligible Missouri State undergraduate students in a major in the College of Natural and Applied Sciences may apply for preliminary acceptance into the Master of Natural and Applied Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted toward both the graduate and undergraduate degrees (Mixed Credit). This option offers an opportunity for CNAS majors whose goals, academic capabilities, and career planning include graduate work, to complete the requirements for the master's degree in less time than would otherwise be possible. Refer to the Graduate Catalog for more information.

For courses to be designated as Mixed Credit, the graduate advisor, undergraduate department head, and Graduate College dean must approve by signing the Permission for Mixed Credit form. This form must be provided to the Office of the Registrar in Carrington Hall 320 no later than the end of the Change of Schedule Period for the semester.

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Missouri State

Natural and Applied Sciences Courses

Science Education (SCI) courses

SCI 214 Introduction to Science Teaching in the 21st Century

Prerequisite: completion of eight hours of science courses.

The course is an introduction to science teaching and to the field of science. Topics in the course include the nature of science, scientific inquiry and research in the sciences. The students will explore how scientists conduct research and how teachers and students conduct research in classrooms. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall

SCI 314 Techniques and Technology in Science Laboratory Teaching

Prerequisite: SCI 214 and SEC 302; and one laboratory courses in each science discipline: BIO, CHM, PHY, GLG or GRY.

Instruction will focus on safe and effective uses of laboratory techniques and technology to teach science. The course will emphasize the potential of the science laboratory as a vehicle to promote student understanding of science and scientific inquiry. Pre-service teachers will have opportunities to familiarize themselves with laboratory equipment and techniques they will use to teach science in middle or high schools. Field trips to local schools will be required. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

SCI 404 Teaching of Middle School Natural Science

Prerequisite: BIO 205 and CHM 116 and 117 and PHY 101 and GRY 240; EDC 350 or concurrent enrollment; and admission to Teacher Education Program; RDG 318 and MID 421 are recommended.

Integration of current science learning theories and standards into practical classroom experiences for students of diverse backgrounds and abilities. Students will learn to design and teach science through various inquiry pedagogical approaches. A 15 hour practicum is required. Field trips are required. Portfolio checkpoint 2 is partially addressed through assignments in this course. Credited only on BSEd degree. A grade of "C" or better is required in this course in order to take MID 493 or MID 494. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

SCI 414 Teaching of Secondary School Natural Science

Prerequisite: admission to the Teacher Education Program; SCI 214 and SCI 314; completion of 20 hours in the primary science field; minimum of one required course in BIO, CHM, PHY, GLG or GRY; EDC 350 or concurrent enrollment; RDG 474 is recommended.

Integration of current science learning theories and standards into practical classroom experiences for students of diverse backgrounds and abilities. Students will learn to design and teach science through various inquiry pedagogical approaches. Students will learn to assess content knowledge achievement through formal and informal techniques. Practical classroom management will be emphasized. A 15 hour practicum is required. Field trips are required. Portfolio checkpoint 2 is partially addressed through assignments in this courses. Credited only on BSEd. A grade of "C" or better is required in this class in order to take SCI 493 and SCI 494. Cannot be taken Pass/Not Pass. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

SCI 493 Supervised Teaching (Secondary Science)

Prerequisite: SCI 414; a grade of "C: or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in SCI 494.

Student observes, then teaches science under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

SCI 494 Supervised Teaching (Secondary Science)

Prerequisite: concurrent enrollment in SCI 493.

Student observes, then teaches under the direction of the cooperating teacher and the university supervisor. Student participates in school-related activities appropriate to the assignment and attends all required meetings. In order to receive a grade in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Fall, Spring

SCI 499 Clinical Experience in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within

that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

SCI 505 Intellectual Foundations of Science and Technology

Prerequisite: 70 hours including 8 hours of natural science.

An historical and philosophical examination of the origins and the development of science and technology. The differences between science and technology, their interrelationships in modern times, and the impact of each of these on society will be considered. May be taught concurrently with SCI 605. Cannot receive credit for both SCI 605 and SCI 505.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SCI 580 Topics in Science Education

Prerequisite: 70 hours.

A variable content course for offering selected topics of interest to science teachers in the elementary, middle, or secondary schools; or in college classrooms. May be repeated up to 6 hours when the topic varies. No more than 6 hours may be counted toward a degree. May be taught concurrently with SCI 685. Cannot receive credit for both SCI 685 and SCI 580.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

SCI 605 Intellectual Foundations of Science and Technology

An historical and philosophical examination of the origins and the development of science and technology. The differences between science and technology, their interrelationships in modern times, and the impact of each of these on society will be considered. May be taught concurrently with SCI 505. Cannot receive credit for both SCI 505 and SCI 605.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

SCI 662 Teaching Science Using Technology in the Classroom and Laboratory

Prerequisite: SCI 784.

In this course, students will experience hands-on uses of technology in the science classroom and science teaching laboratory. Instruction

will focus on safe and effective uses of laboratory techniques and technology to teach science. The course will emphasize the potential of the science laboratory as a vehicle to promote student understanding of science and scientific inquiry. There is a special emphasis on using technology and online resources to supplement instruction in the science classroom. This includes, but not limited to, the use of probes, various software simulations and modeling programs along with internet access to databases and other appropriate websites showing simulations, etc. that support the learning environment in science.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Summer

SCI 685 Topics in Science Education

A variable content course for offering selected topics of interest to science teachers in the elementary, middle, or secondary schools; or in college classrooms. May be repeated up to 6 hours when the topic varies. No more than 6 hours may be counted toward a degree. May be taught concurrently with SCI 580. Cannot receive credit for both SCI 685 and SCI 580.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

SCI 780 Advanced Topics in Science Education

Prerequisite: 12 hours of graduate coursework.

A variable content course for offering selected topics of interest to science teachers in the elementary, middle, or secondary schools; or in college classrooms. May be repeated up to 6 hours when the topic varies. Maximum of 6 hours may be counted toward degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

SCI 783 Internship in Teaching Secondary Science I

Prerequisites: SFR 797; passed the Missouri Content Assessment exam in the primary science emphasis area; and current pre-professional liability insurance. Introduction to the fundamental skills necessary to become a confident well rounded science teacher in the high school setting. This course emphasizes integration of current science learning theories and standards into classroom experiences. Students learn to design and teach science through various inquiry pedagogical approaches. Students learn to assess content knowledge achievement through formal and informal techniques. Practical classroom management will be emphasized. During the 75 hour practicum experience, students observe classroom teachers and teach science under the direction of a cooperating teacher and the university supervisor. Students participate in school-related activities and attend all required meetings. Students complete an on-going seminar through face-to-face meetings or synchronous online communication.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall

SCI 784 Internship in Teaching Secondary Science II

Prerequisite: SCI 783; passed the Missouri Content Assessment exam in the primary science emphasis area; and current pre-professional liability insurance.

This course is a professional internship for science teacher education candidates. The teacher candidate is assigned to a school district with a cooperating teacher and is expected to observe, tutor, teach and reflect upon the results of these activities. As a reflective practitioner, the teacher candidate alters the practice or consciously continues. Teacher candidates will also demonstrate mastery of the all MTS quality indicators that comprise the student teaching evaluations. In addition to becoming a reflective practitioner, teacher candidates are expected to meet the needs of individuals with diverse learning needs and provide students with an appropriate multicultural perspective. Missouri Pre-service Teacher Assessment (MoPTA) is required for this course. Students participate in school-related activities and attend all required meetings. Students complete an on-going seminar through face-to-face meetings or synchronous online communication.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
10			Spring

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Biology

Programs

Indicates accelerated graduate program is available

Undergraduate

Biology (BA, BS, Minor)

Conservation Law Enforcement (Certificate)
Interdisciplinary program offered by Department of Criminology and Criminal Justice and Department of Biology

Environmental Education (Certificate) Interdisciplinary program offered by Department of Biology and Department of Geography, Geology and Planning

Foundations of Pharmaceutical Science (Certificate)
Interdisciplinary program offered by Department of Chemistry, Department of Biology, and Department of Biomedical Sciences

Wildlife Conservation and Management (BS)

Graduate

Biology (MS)

Master of Natural and Applied Science degree with an area of emphasis in Biology (MNAS)

Plant Science (MS)

Secondary Education with an option in Biology (MSEd)

Accreditations

- Missouri Department of Elementary and Secondary Education – Secondary Education/Biology (MSEd)
- Council for the Accreditation of Educator Preparation – Secondary Education/Biology (MSEd)

Mission statement

The faculty of the Department of Biology believes that a broad perspective is valuable for all areas of study within the field. Therefore, the department is comprehensive in its approach, including study at all levels of biology, from cells and microbes to ecosystems. The mission of the Biology department is the dissemination of biological knowledge (through classroom teaching and community service) and the generation of new biological knowledge (through research). This mission is embodied in six areas of scholarly activity, which include (1) service courses for non-majors, (2) the undergraduate program in biology, (3) the graduate program

Contact

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courses for non-majors, (2) the undergraduate program in biology, (3) the graduate program in biology, (4) faculty research and development, (5) service to the civic community, and (6) service to the research community. We seek a faculty composition that offers excellent teaching and research in all fundamental subject areas within biology, including teacher education. Our mission includes the following shared values:

- Ethical behavior in scholarly and research activities
- A broadly-based understanding of the natural world
- Hands-on learning through laboratory and field experiences
- Critical-thinking and problem solving through the scientific method
- A climate that is supportive of diversity
- Excellence in teaching and advising
- Generation of knowledge through research by both faculty and students
- Dissemination of knowledge through publication and presentations
- Student involvement in research and internships
- Student participation in university-based organizations related to biology
- Student and faculty involvement in professional societies
- Exposure of students to other cultures and ecosystems through study-away courses
- Outreach to the local community
- Collaborations and partnerships with private, nonprofit and government agencies

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Missouri State

Biology Faculty

Distinguished professors

M. Chris Barnhart, PhD

Paul L. Durham, PhD

S. Alicia Mathis, PhD

Professors

Kyoungtae Kim, PhD

Laszlo G. Kovacs, PhD

Day B. Ligon, PhD

Thomas E. Tomasi, PhD

D. Alexander Wait, PhD

Associate professors

Brian D. Greene, PhD

Georgiana Saunders, PhD

Assistant professors

Debra S. Finn, PhD

LaToya T. Kissoon-Charles, PhD

Christopher Lupfer, PhD

Sean P. Maher, PhD

Jay McEntee, PhD

Babur S. Mirza, PhD

Quinton Phelps, PhD

Avery L. Russell, PhD

Ryan Udan, PhD

Senior instructor

L. Michelle Bowe, PhD

Instructors

Tara K. Herring, PhD

Tina M. Hopper, MS

Melissa A. Schoeben, MS

Emeritus faculty

Daniel W. Beckman, PhD

Jerry D. Berlin, PhD

Janice S. Greene, PhD

John E. Havel, PhD

John Heywood, PhD

Kathy K. Hughes, MD

Roar L. Irgens, PhD

Steven L. Jensen, PhD

Don L. Moll, PhD

Richard L. Myers, PhD

Barbara K. Newman, MSEd

Grant L. Pyrah, PhD

Paul L. Redfearn, Jr., PhD

Russell G. Rhodes, PhD

Lynn W. Robbins, PhD

John G. Steiert, PhD

Robert F. Wilkinson, Jr., PhD

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Missouri State

Office of the Registrar
Undergraduate Catalog

Biology Courses

Biology (BIO) courses

BIO 100 Biological Science for Educators

Prerequisite: open only to Early Childhood, Elementary, Middle School, and Special Education majors.

General Education Course (Focus on Life Sciences).

An introduction to the unifying principles of biology and the processes of scientific investigation using an inquiry approach. Laboratory experiences model inquiry teaching methods appropriate for use in early childhood, elementary, and middle school science lessons. Cannot count towards a major or minor in biology. Students receiving credit towards graduation for BIO 100 cannot also receive credit for BIO 101 or BIO 111.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
4	3	3	Fall, Spring	BIOL 100LT - Essentials in Biology with Lab-Teaching.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

BIO 101 Biology in Your World

General Education Course (Focus on Life Sciences).

A non-laboratory course that can fulfill the General Education requirement in the Life Sciences. Organisms are studied from their behavioral, ecological, heredity and evolutionary perspectives. Topics include examination of the human body in health and disease; the relevance of biology to contemporary issues in human society; an introduction to environmental science and ecology with emphasis on the interrelationships of living and nonliving things in ecosystems and how disruptions of these relationships result in environmental problems. Cannot count towards a biology major or minor. Students receiving credit towards graduation for BIO 101 and/or BIO 111 cannot also receive credit for BIO 100.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring, Summer	BIOL 100 - Essentials in Biology.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

BIO 102 Principles of Biological Science

General Education Course (Natural World).

Unifying principles of biology from the molecular level through ecosystems. Includes laboratory experience. Does not count for credit towards major or minor in biology. Students receive credit towards graduation for only one of BIO 100, 101, or 102.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

BIO 111 Laboratory for Biology in Your World

Prerequisite: BIO 101 or concurrent enrollment.

General Education Course (Focus on Life Sciences).

A laboratory course that partially fulfills the general education requirement in the Life Sciences. Organisms are studied from their physiological, behavioral, ecological, hereditary, and evolutionary perspectives. Students will develop skills of gathering information about science, reasoning scientifically from that information and synthesizing responses to questions based upon that information in order to explain biological phenomena. Cannot count towards a biology major or minor. Students receiving credit towards graduation for BIO 101 and/or BIO 111 cannot also receive credit for BIO 100.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
1	0	2	Fall, Spring, Summer	BIOL 100L - Essentials in Biology with Lab.

Access the CORE 42 portal

BIO 121 General Biology I

Prerequisite: eligibility for both ENG 110 and MTH 135.

General Education Course (Focus on Life Sciences).

First half of 2-semester introductory biology sequence for biology majors and minors. Introduction to the concepts of biological structure and function at the molecular and cellular level, genetics, and evolution. Cannot be taken Pass/Not Pass. A grade of C or better is required in this course in order to take BIO 122.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
4	3	3	Fall, Spring	BIOL 150L - Biology with Lab.

Access the CORE 42 portal

BIO 122 General Biology II

Prerequisite: eligibility for both ENG 110 and MTH 135.

Recommended Prerequisite: BIO 121. Second half of two-semester introductory biology sequence for biology majors and minors. Introduction to the biology of organisms including evolutionary history, diversity, structure, and function of major taxa; and ecology. Cannot be taken Pass/Not Pass. A grade of "C" or better is required in this course in order to take BIO 235, BIO 320, BIO 367 or BIO 368.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

4	3	3	Fall, Spring

BIO 197 Selected Topics in Biology

Prerequisite: permission of instructor.

Course devoted to a biologic topic of current interest. May be repeated to a maximum of four hours provided the topics are different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

BIO 205 Life Science for Middle School

Prerequisite: BIO 100 or BIO 101 and 111.

Processes of science using the inquiry approach with reference to society, technology, and decision-making. Content covers cellular biology, plant and animal structure and function, ecology and environmental biology. Does not count for credit towards major or minor in biology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	3	Spring

BIO 210 Elements of Microbiology

Prerequisite: CHM 116 and 117 or CHM 160; and 4 hours of BIO or BMS courses.

Public health aspects of microbiology, particularly causes and control of infectious diseases, immunology, sterilization and disinfection, and food and water bacteriology. A student who takes BIO 210 and BIO 310 receives credit toward graduation only for BIO 310.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

BIO 212 Elements of Microbiology

Prerequisite: CHM 116 and CHM 117 or CHM 160 and CHM 161; and 4 hours of BIO or BMS courses.

Public health aspects of microbiology, particularly causes and control of infectious diseases, immunology, sterilization and disinfection, and food and water bacteriology. A student who takes BIO 212 and BIO 312 receives credit toward graduation only for BIO 312.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

BIO 213 Elements of Microbiology Laboratory

Prerequisite: BIO 212 or concurrent enrollment.

Microbiology laboratory class associated with BIO 212 with emphasis on development of sound laboratory skills. A student who takes BIO 213 and BIO 313 receives credit toward graduation only for BIO 313.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

BIO 215 Introduction to the Diversity of Life

Prerequisite: 4 hours of biology.

Introduction to the diversity in structure and function of protists, fungi, plants and animals. This course is designed for BSEd students and does not count toward a BA or BS in Biology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	3	Upon demand

BIO 235 Genetics

Prerequisite: BIO 121 or BMS 110 and 111; and CHM 116 and 117 or CHM 160 and 161 (recommended) or higher, and MTH 135 or higher.

Principles of classical and molecular genetics, epigenetics and biotechnology. Course content is foundational to concepts of modern biology, recommended for all majors in life science-related fields.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BIO 236 Genetics Laboratory

Prerequisite: BIO 235 or concurrent enrollment; concurrent enrollment is strongly encouraged.

Problem-solving and laboratory skills to complement lecture material presented in BIO 235. Emphasis on the chemical characteristics and in vitro manipulation of nucleic acids. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	3	Fall, Spring

BIO 300 Service Learning in Biology

Prerequisite: 30 hours and permission, and concurrent registration in a Biology course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in biology to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; students should investigate possible placements, available through the Biology Department and the Citizenship and Service Learning Office, prior to registration. May be repeated. A total maximum of three hours from any combination of BIO 300, 399, and 499 credit may be counted towards the major. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

BIO 302 Biology Seminar

Prerequisite: BIO121 or BMS 110; and BIO 122.

Introduction to major fields of study in biology, the role of biology in the public affairs mission, and information on career development, undergraduate research, study-away opportunities, and applying to graduate/professional schools. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

BIO 310 Microbiology

Prerequisite: "C-" or better in BIO 235 and BIO 236, or BMS 230 and BMS 232, or BMS 231; and "C-" or better in CHM 116 and 117, or CHM 160.

Fundamental principles of microbiology; development of sound laboratory skills. A student who takes BIO 210 and BIO 310 receives credit toward graduation only for BIO 310.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	3	4	Fall, Spring

BIO 312 Microbiology

Prerequisite: "C-" or better in BIO 235 and BIO 236 or BMS 230 or BMS 231; and "C-" or better in CHM 116 and CHM 117 or CHM 160 and CHM 161.

Fundamental principles of microbiology for Biology majors and pre-professional students. A student who takes BIO 212 and BIO 312 receives credit toward graduation only for BIO 312.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BIO 313 Microbiology Laboratory

Prerequisite: BIO 312 or concurrent enrollment.

Microbiology laboratory associated with BIO 312 for Biology majors and pre-professional students with emphasis on development of sound laboratory skills. A student who takes BIO 213 and BIO 313 receives credit toward graduation only for BIO 313.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

BIO 320 Introduction to Cellular Biology

Prerequisite: "C-" or better in BIO 235 and BIO 236, or BMS 230 and BMS 232, or BMS 231; and "C-" or better in CHM 201 and 202, or CHM 342 and 345 (or CHM 342 taken prior to Fall 2019).

Introduction to the structure and function of cells with an emphasis on eukaryotes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

BIO 334 Plant Taxonomy

Prerequisite: BIO 122.

Basic systematic principles, including the naming, classification, diversity, and evolution of angiosperms. Laboratory emphasis is on vegetative and reproductive morphology, use of taxonomic keys, and identification of common families and species of the local flora.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Spring

BIO 339 Identification of Woody Plants

Prerequisite: BIO 122.

A field course emphasizing the identification of woody plants (including some ornamentals) of the Interior Highlands of North America. Some consideration of forest communities and their distribution will also be included. Some Saturday field trips scheduled.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall

BIO 355 Developmental Biology

Prerequisite: BIO 235 and BIO 236, or BMS 230 and BMS 232, or BMS 231.

Public Affairs Capstone Experience course. An in-depth study of the molecular and cellular mechanisms involved in the development of vertebrate, invertebrate, and plant systems. Lectures will emphasize fertilization, morphogenesis, differentiation, induction, regeneration, and neoplasia. Laboratory exercises will emphasize techniques utilized by developmental biologists. Review of current literature and poster presentations will be required. May be taught concurrently with BIO 655. Cannot receive credit for both BIO 355 and BIO 655.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Upon demand

BIO 361 General Physiology

Prerequisite: "C-" or better in BIO 235 and BIO 236.

A study in animal biology that emphasizes the functional features of whole organisms including physiological regulations. A grade of "C" or better is required in this course in order to take BMS 363.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Fall, Spring

BIO 367 General Ecology

Prerequisite: BIO 122 and MTH 135 or higher.

Introduction to the basic concepts of ecology. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

BIO 368 General Ecology Lab

Prerequisite: BIO 367 or concurrent enrollment.

Methods used in ecological studies. Intended to emphasize sampling techniques and data analyses pertinent to lecture material in BIO 367.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring, Summer

BIO 369 General Ecology

Prerequisite: BIO 122 and MTH 135 or higher.

Introduction to the basic concepts of ecology. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

BIO 370 Invertebrate Zoology

Prerequisite: BIO 121 and BIO 122.

Biological principles exemplified by study of functional morphology, taxonomy and phylogeny of invertebrate phyla. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Spring (odd-numbered years)

BIO 371 Introduction to Entomology

Prerequisite: BIO 121 and BIO 122.

Introduction to insect structure and function with emphasis on comparative morphology, physiology, life history, behavior, and ecology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

BIO 373 Principles of Wildlife Management

Prerequisite: BIO 122.

This course considers ecological principles, conservation, and management policies for wild animals and habitats. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

BIO 377 Marine Science II: Marine Biology

Prerequisite: 8 hours biology; and concurrent enrollment in BIO 378.

A general introduction to marine biology with emphasis on local fauna and flora. Recommended for students considering a career in any phase of Oceanography. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

BIO 378 Marine Science II: Marine Biology Lab

Prerequisite: concurrent enrollment in BIO 377.

Laboratory portion of BIO 377. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Summer

BIO 380 Comparative Vertebrate Anatomy

Prerequisite: BIO 121 and BIO 122.

Vertebrate gross anatomy. Phylogeny and present status of organ systems of vertebrates. Shark, mud puppy and cat serve as principal sources for laboratory exercises. May be taught concurrently with BIO 680. Cannot receive credit for both BIO 380 and BIO 680.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	2	6	Fall

BIO 398 Laboratory Internship in Biology

Prerequisite: BSEd major in Biology Education; BIO 310 and BIO 367 and BIO 368, and permission of instructor.

This course provides the opportunity to earn academic credit through supervised laboratory preparation and teaching. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	3	Fall, Spring

BIO 399 Cooperative Education in Biology

Prerequisite: acceptance into Cooperative Education Program and permission of department head.

This course provides the opportunity to earn academic credit integrated with a supervised work experience. Under the guidance of a faculty advisor, students will complete a work-related independent study project. Variable content course. May be repeated to a maximum of six hours. A maximum of three hours from any combination of BIO 300, 399 and 499 may be counted towards the biology major. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

BIO 436 Plant Ecology

Recommended Prerequisite: BIO 367 and BIO 368. The dynamics, structure, and distribution of plant populations and communities, with emphasis on interactions among plants, plants and other organisms, and plants and ecosystems. Laboratory emphasis on experimental studies in the greenhouse and field. Weekend field trip is required. May be taught concurrently with BIO 636. Cannot receive credit for both BIO 436 and BIO 636.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall

BIO 485 Marine Conservation

Recommended Prerequisite: BIO 122 and BIO 367 and BIO 368 or permission. An overview of current issues related to the conservation and management of marine organisms, with emphasis on marine species and habitats exploited or endangered by human actions. May be taught concurrently with BIO 685. Cannot receive credit for both BIO 485 and 685. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Summer

BIO 492 Biology Program Assessment

Prerequisite: 90 hours including 20 hours of BIO courses, and biology major.

Comprehensive assessment examination for Biology majors. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0			Fall, Spring

BIO 494 Senior Seminar

Prerequisite: 90 hours and biology major.

Current issues in the biological sciences will be discussed and information on post-graduate opportunities for biology majors will be presented. Successful completion of the Major Field Achievement Test will be required. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

BIO 498 Honors Senior Project

Prerequisite: student must be a biology major and have junior standing and be a member of the Honors College and permission of instructor.

The content of the project is determined by the honors student in consultation with a faculty member serving as project advisor and approved by the Director of the Honors College. The project can be started no earlier than the first semester of the junior year and must be completed before graduation. May be repeated to a maximum of nine hours. A maximum of three hours may be counted toward the major in biology. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

BIO 499 Special Topics in Biology

Prerequisite: Biology major with a minimum of a 3.00 GPA; and 20 hours in Biology courses; and permission of instructor.

Outstanding students obtain additional experience through independent study. May be repeated to a maximum of three hours. A maximum of three hours from any combination of BIO 300, 399 and 499 may be counted towards the major. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

BIO 501 Natural History Museum Techniques

Techniques in the development of natural history museum displays including making models, design of displays, writing educational text, and other techniques. Course will be taught off-site at the Bull Shoals Field Station and Chase Studio. May be taught concurrently with BIO 601. Cannot receive credit for both BIO 501 and BIO 601. Identical with MST 501. Cannot receive credit for both BIO 501 and MST 501. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

BIO 502 Sustainability Science in Practice

Recommended Prerequisite GRY 108 or BIO 122. After exploring the three pillars of sustainability (environment, social equity, economics), students will embark on developing a research proposal in their area of study. Research in virtually all areas related to sustainable development can be a focus of a student's research proposal. For example: food, health, education, economics, social and gender equity, energy, law and diplomacy, land use change, biodiversity loss, chemical pollution, freshwater use, water quality, climate change mitigation, environmental remediation, smart structures, alternative energy, supply chain logistics and smart grids. May be taught concurrently with BIO 602. Cannot receive credit for both BIO 502 and BIO 602.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

BIO 505 Human Nature

Prerequisite: BIO 235 and BIO 236 or BMS 230 or BMS 231; and PSY 121.

A survey of current biological research on the behavioral, psychological, and cognitive dimensions of human biology. This course emphasizes the evolution and function of human social behaviors and value systems, but also addresses the genetics of human psychological diversity, the genetics of human-ape divergence, and the neurobiology of human cognition. May be taught concurrently with BIO 605. Cannot receive credit for both BIO 505 and BIO 605. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

BIO 508 Environmental Microbiology

Prerequisite: BIO 212 and 213 (or prior credit for BIO 210); or BIO 312 and 313 (or prior credit for BIO 310).

The study of the ecology of microorganisms and the applied use of microorganisms by man in the environment. Laboratory will emphasize current methods used in the field of environmental microbiology. May be taught concurrently with BIO 608. Cannot receive credit for both BIO 608 and BIO 508. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

BIO 509 Stream Ecology

Prerequisite: BIO 367 and BIO 368.

Recommended Prerequisite: CHM 171 or higher. The interdisciplinary study of running waters, including study of the physical and chemical environment, trophic interactions, nutrient cycling, and the multiple impacts of humans on modifying these systems. Lectures, group discussion of readings, and laboratory and field exercises. One all-day Saturday field trip required. May be taught concurrently with BIO 609. Cannot receive credit for both BIO 609 and BIO 509. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Spring

BIO 511 Immunology

Prerequisite: BIO 212 and 213 (or prior credit for BIO 210); or BIO 312 and 313 (or prior credit for BIO 310); or BIO 320 or BMS 521.

A study of the immune system with emphasis on molecular and cellular mechanisms underlying host-microbe interactions, allergy, transplant rejection, cancer surveillance, and autoimmune disease. Laboratory emphasis on techniques used to address research and diagnostic problems. May be taught concurrently with BIO 611. Cannot receive credit for both BIO 511 and BIO 611. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall

BIO 512 Industrial Microbiology

Prerequisite: BIO 212 and 213 (or prior credit for BIO 210); or BIO 312 and 313 (or prior credit for BIO 310).

An introduction to the fundamental concepts of industrial and applied microbiology. The industrial production of proteins, metabolites, polymers, biocides, and vaccines will be discussed in addition to biotransformations and environmental applications. Production improvement strategies that employ both physical and modern molecular techniques will be introduced. Laboratory will emphasize the selection of industrially important microorganisms, the theory and operation of a fermentor for the production of proteins, antibiotics, and steroids, use of analytical equipment for monitoring product formation, enzymes analysis, downstream processing, and bio-reactor construction and design. May be taught concurrently with BIO 613. Cannot receive credit for both BIO 613 and BIO 512. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

BIO 515 Evolution

Prerequisite: BIO 235 and BIO 236 or BMS 230 or BMS 231; and MTH 135 or higher.

A survey of modern evolutionary biology, including the evidence that supports the theory of evolution, the natural processes that cause evolution, patterns and mechanisms of specialization, and methods for estimating evolutionary relationships. May be taught concurrently with BIO 616. Cannot receive credit for both BIO 616 and BIO 515.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BIO 517 Microbial Physiology and Metabolism

Prerequisite: BIO 212 and 213 (or prior credit for BIO 210); or BIO 312 and 313 (or prior credit for BIO 310); and either [CHM 201 and 202] or CHM 342 and 345 (or CHM 342 taken prior to Fall 2019).

Physiology and anatomy of microorganisms including adaptive responses to environmental changes and microbial metabolic diversity will be discussed. Laboratory will emphasize selective isolation and identification of microorganisms, the growth dynamics of microorganisms, and responses by microorganisms to environmental changes. May be taught concurrently with BIO 617. Cannot receive credit for both BIO 617 and BIO 517.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall

BIO 518 Regulatory Mechanisms

Prerequisite: BIO 310 or BIO 320 or BMS 521 or CHM 554.

The regulation of gene expression and protein/enzyme activity in prokaryotes, eukaryotes and viruses. A content-based lecture and discussion course utilizing both textbook and primary literature. May be taught concurrently with BIO 618. Cannot receive credit for both BIO 518 and BIO 618.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

BIO 520 Pathogenic Microbiology

Prerequisite: BIO 212 and 213 (or prior credit for BIO 210); or BIO 312 and 313 (or prior credit for BIO 310).

Fundamental principles of pathogenic microbiology; transmission, infection and control of the pathogen. May be taught concurrently with BIO 620. Cannot receive credit for both BIO 620 and BIO 520. Public Affairs Capstone Experience course.

BIO 520. Cannot receive credit for both BIO 620 and BIO 520. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BIO 521 Marine Science for Teachers I

Prerequisite: 12 hours in biology; and concurrent enrollment in BIO 522.

A course designed to introduce students, particularly inservice teachers, to the study of marine science and to promote the teaching of marine biology at all grade levels. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 621. Cannot receive credit for both BIO 621 and BIO 521.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

BIO 522 Marine Science for Teachers I Lab

Prerequisite: concurrent enrollment in BIO 521.

Laboratory portion of BIO 521. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 623. Cannot receive credit for both BIO 623 and BIO 522.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Summer

BIO 527 Field Biology

Prerequisite: permission of instructor.

Field work during an extended field trip to a specific region of North America to familiarize the student with the flora and/or fauna of that region. Course is scheduled irregularly during academic breaks and may be preceded by several lectures in preparation for the trip. May be repeated to a maximum of six hours with a maximum of three hours to be applied to the major in biology. May be taught concurrently with BIO 627. Cannot receive credit for both BIO 627 and BIO 527. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

BIO 530 Phycology

Prerequisite: BIO 367 and BIO 368.

The structure, function, ecological significance, and diversity of algae. Emphasis will be placed on field studies, isolation and growth, and physiological characteristics. May be taught concurrently with BIO 629. Cannot receive credit for both BIO 629 and BIO 530.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	2	2	Spring

BIO 532 Principles of Fisheries Management

Prerequisite: BIO 367 and BIO 368 or BIO 373.

Life history, population ecology, and management of exploited freshwater and marine species. Scientific sampling and analysis of fishery populations. Characterization, history, and management principles for representative commercial and recreational fisheries. May be taught concurrently with BIO 632. Cannot receive credit for both BIO 632 and BIO 532.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

BIO 533 Wetland Ecology

Prerequisite: BIO 367 and BIO 368.

Recommended Prerequisite: CHM 171 or higher. The composition, structure, function, and importance of wetland ecosystems. Comparisons of different wetland types, hydrology, nutrient cycles, plants and animals and their adaptations, and conservation strategies. May be taught concurrently with BIO 633. Cannot receive credit for both BIO 633 and BIO 533.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Upon demand

BIO 534 Coastal Vegetation

Prerequisite: 10 hours of biology including BIO 121 and BIO 122; and concurrent enrollment in BIO 535.

A broad study of the general and specific aspects of coastal vegetation, with emphasis on local examples. Vegetational composition, variation, succession, climax, and distribution. Includes aerial techniques, plant identification, delineation of vegetational types and mapping. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 641. Cannot receive credit for both BIO 641 and BIO 534.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

BIO 535 Coastal Vegetation Lab

Prerequisite: concurrent enrollment in BIO 534.

Laboratory portion of BIO 534. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 635. Cannot receive credit for both BIO 635 and BIO 535.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Summer

BIO 537 Salt Marsh Plant Ecology

Prerequisite: BIO 122 and BIO 334 and BIO 367 and BIO 368 and BIO 544; and concurrent enrollment in BIO 538.

A study with emphasis on the botanical aspects of local marshes; includes plant identification, composition, structure, distribution, and development of coastal marshes. Biological and physical interrelationships. Primary productivity and relation of marshes to estuaries and associated fauna. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 637. Cannot receive credit for both BIO 637 and BIO 537.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

BIO 538 Salt Marsh Plant Ecology Lab

Prerequisite: concurrent enrollment in BIO 537.

Laboratory portion of BIO 537. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 638. Cannot receive credit for both BIO 638 and BIO 538.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Summer

BIO 539 Biogeography

Prerequisite: BIO 121 and BIO 122.

Study of patterns of distribution of organisms in space and in time. May be taught concurrently with BIO 639. Cannot receive credit for both BIO 639 and BIO 539. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

BIO 540 Applications of Molecular Markers

Prerequisite: "B" or better in BIO 235 and BIO 236, or BMS 230 and BMS 232, or BMS 231.

Introduction to the use of molecular markers in biological research. Topics covered include methods for identifying genetic variation at the molecular level and their applications to gene discovery, gene mapping, phylogenetics, forensics, conservation biology, and research in ecology and evolution. Students will complete research projects using one or more of the techniques learned. ay be taught concurrently with BIO 640. Cannot receive credit for both BIO 640 and BIO 540.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall (odd-numbered years)

BIO 544 Plant Physiology

Recommended prerequisite: CHM 201 and 202 or CHM 342 and 345 (or CHM 342 taken prior to Fall 2019). Basic chemical and physical principles of plant function considering water relationships, nutrient transport, mineral nutrition, photosynthesis, respiration, and phytohormones. May be taught concurrently with BIO 644. Cannot receive credit for both BIO 644 and BIO 544.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Upon demand

BIO 547 Water Resources

Prerequisite: BIO 122 or GLG 110 or GRY 142; and CHM 160 and CHM 161; and MTH 135.

An interdisciplinary study of freshwater resource development, including environmental impacts of humans on hydrology and water quality, conflicts among users, and politics at local and global scales. Identical with GLG 547. Cannot receive credit for both BIO 547 and GLG 547. May be taught concurrently with BIO 647. Cannot receive credit for both BIO 547 and BIO 647. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BIO 550 Statistical Methods for Biologists

Prerequisite: BIO 235 and BIO 236 or BMS 230 or BMS 231; and MTH 138 or higher.

Scientific methodology, experimental design, statistical analysis, and data interpretation applied to biological questions. May be taught concurrently with BIO 650. Cannot receive credit for both BIO 650 and BIO 550.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BIO 551 Experimental Design for Biologists

Prerequisite: "B-" or better in BIO 550.

The design and analysis of biological experiments, with an emphasis on the choice and interpretation of inferential statistics. Topics covered include causal inference, statistical power, general linear models, and repeated measures designs. The use of computer software to analyze real data sets from the biological literature is emphasized. May be taught concurrently with BIO 651. Cannot receive credit for both BIO 651 and BIO 551.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

BIO 555 Marine Ichthyology

Prerequisite: junior standing; 16 hours of biology including BIO 121 and BIO 122 and BIO 235 and BIO 236 and BIO 380; and concurrent enrollment in BIO 556.

This course provides the student with a strong general background in the biology of marine fishes. Emphasis placed on the principles involved in the classification and taxonomy of marine and estuarine fishes. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 654. Cannot receive credit for both BIO 654 and BIO 555.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

BIO 556 Marine Ichthyology Lab

Prerequisite: concurrent enrollment in BIO 555.

Laboratory portion of BIO 555. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 656. Cannot receive credit for both BIO 656 and BIO 556.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Summer

BIO 557 Marine Fisheries Management

Prerequisite: permission of instructor; and concurrent enrollment in BIO 558.

A course designed to familiarize students with practical marine fisheries management problems in today's real world. Covers the international and local, economic, social, legal, and political, as well as biological factors that are considered in decisions directed toward achieving optimum sustainable yield from marine resources. The history of management schemes, sources of information, current status of fishing technology, management methods, legal problems and educational needs are explored. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 657. Cannot receive credit for both BIO 657 and BIO 557.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

BIO 558 Marine Fisheries Management Lab

Prerequisite: concurrent enrollment in BIO 557.

Laboratory portion of BIO 557. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 658. Cannot receive credit for both BIO 658 and BIO 558.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Summer

BIO 560 Population Genetics and Evolutionary Mechanisms

Prerequisite: BIO 235 and BIO 236.

The theory of genetic variation in populations, with emphasis on quantitative description of the mechanisms of biological evolution. May be taught concurrently with BIO 659. Cannot receive credit for both BIO 659 and BIO 560.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BIO 561 Environmental Issues Education and Interpretation

Prerequisite: permission of instructor.

Discussion of environmental issues, practical experiences in teaching environmental concepts, and awareness of environmental resource materials for the formal and nonformal educational setting. May be taught concurrently with BIO 661. Cannot receive credit for both BIO 561 and BIO 661 Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

BIO 562 Limnology

Prerequisite: BIO 367 and BIO 368.

Recommended Prerequisite: CHM 171 or higher. Physical, chemical, and biological characteristics of lakes and reservoirs. Laboratory includes mapping, lake models, water chemistry, and surveys of diversity and abundance. Two all-day Saturday labs required. May be taught concurrently with BIO 662. Cannot receive credit for both BIO 662 and BIO 562.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall

BIO 563 Population Ecology

Prerequisite: BIO 367 and BIO 368; and MTH 138 or higher.

Discussion of factors controlling the distribution and abundance of populations. Quantitative description of population dynamics is emphasized. May be taught concurrently with BIO 663. Cannot receive credit for both BIO 663 and BIO 563.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring (even-numbered years)

BIO 564 Ozarks Natural Communities

Recommended Prerequisite: BIO 367 and BIO 368. Examination of forests, glades, and aquatic habitats with focus on environmental issues in the Ozarks. Integration into formal and non-formal educational settings will be covered. May be taught at the Bull Shoals Field Station. May be taught concurrently with BIO 664. Cannot receive credit for both BIO 564 and BIO 664.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

BIO 565 Marine Ecology

Prerequisite: 16 hours of biology including BIO 121 and BIO 122; and concurrent enrollment in BIO 566.

A consideration of the relationship of marine organisms to their environment includes the effects of temperature, salinity, light, nutrient concentration, currents, and food on the abundance and distribution of marine organisms. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 665. Cannot receive credit for both BIO 665 and BIO 565.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

BIO 566 Marine Ecology Lab

Prerequisite: concurrent enrollment in BIO 565.

Laboratory portion of BIO 565. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 666. Cannot receive credit for both BIO 666 and BIO 566.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Summer

BIO 567 Physiological Ecology

Prerequisite: BIO 367 and BIO 368; and either BIO 361 or BIO 544 or BMS 308.

Physiological adaptations of plants and animals to environmentally stressful conditions and to ecological/evolutionary pressures. May be taught concurrently with BIO 668. Cannot receive credit for both BIO 668 and BIO 567.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	0	Spring (odd-numbered years)

BIO 571 Comparative Animal Physiology

Prerequisite: BIO 361 or BMS 308.

Organ/system function in a wide range of invertebrate and vertebrate animals. May be taught concurrently with BIO 671. Cannot receive credit for both BIO 671 and BIO 571.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Spring (odd-numbered years)

BIO 573 Ornithology

Prerequisite: 12 hours of biology.

Taxonomy, distribution, life histories and ecology of birds; emphasis on Missouri forms. Early morning field trips required. May be taught concurrently with BIO 673. Cannot receive credit for both BIO 673 and BIO 573. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

BIO 574 Aquatic Entomology

Prerequisite: BIO 367 and 368 or BIO 370 or BIO 371 or AGP 581.

Aquatic insects, ecology and taxonomy with emphasis on field applications. One weekend field trip required. May be taught concurrently with BIO 674. Cannot receive credit for both BIO 674 and BIO 574. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	3	Upon demand

BIO 575 Ichthyology

Prerequisite: 12 hours in biology.

Taxonomy, distribution, life histories and ecology of fish with emphasis on Missouri forms. May be taught concurrently with BIO 675. Cannot receive credit for both BIO 675 and BIO 575. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

BIO 576 Herpetology

Prerequisite: 12 hours in biology.

Taxonomy, distribution, life histories and ecology of amphibians and reptiles with emphasis on Missouri forms. One weekend field trip required. May be taught concurrently with BIO 676. Cannot receive credit for both BIO 676 and BIO 576. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

BIO 577 Mammalogy

Prerequisite: 12 hours in biology.

Taxonomy, distribution, life histories and ecology of mammals with emphasis on Missouri forms. One weekend field trip required. May be taught concurrently with BIO 677. Cannot receive credit for both BIO 677 and BIO 577. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

BIO 578 Behavioral Ecology

Recommended Prerequisite: BIO 367 and BIO 368 and BIO 550. Fundamental principles of animal behavior with an emphasis on the study of the ecological and evolutionary processes that influence behavior. May be taught concurrently with BIO 678. Cannot receive credit for both BIO 678 and BIO 578. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Spring

BIO 579 Conservation Biology

Prerequisite: GRY 108 or BIO 367 and BIO 368.

An in-depth examination of the science of conservation from a biological perspective, with an examination of ethical and legal aspects of conservation. May be taught concurrently with BIO 679. Cannot receive credit for both BIO 679 and BIO 579. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BIO 584 Fish Ecology

Prerequisite: BIO 367 and BIO 368 and BIO 575.

The biology of fishes in relation to environmental conditions at the individual, population, and community levels. May be taught concurrently with BIO 686. Cannot receive credit for both BIO 686 and BIO 584. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BIO 587 Marine Invertebrate Zoology

Prerequisite: 16 hours in biology; and concurrent enrollment in BIO 588.

A concentrated study of the free-living marine and estuarine invertebrates of Mississippi Sound and adjacent bayous, salt marshes, barrier islands, and the nearshore continental shelf of the northeastern Gulf of Mexico. Course emphasizes structure, classification, phylogenetic relationships, larval development, functional processes, and ecological aspects of Gulf of Mexico invertebrates and their natural assemblages. Advanced undergraduates and graduate students may be asked to conduct independent, short-term research projects during the course. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 687. Cannot receive credit for both BIO 687 and BIO 587.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

BIO 588 Marine Invertebrate Zoology Lab

Prerequisite: concurrent enrollment in BIO 587.

Laboratory portion of BIO 587. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 688. Cannot receive credit for both BIO 688 and BIO 588.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Summer

BIO 589 Game Management

Prerequisite: BIO 373.

Management of game birds and mammals for recreational utilization. May be taught concurrently with BIO 689. Cannot receive credit for both BIO 689 and BIO 589. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BIO 597 Topics in Biology

Prerequisite: permission of instructor.

A variable content course to provide for the offering of selected topics in biology on a one time or first-time basis. May be repeated when topic varies. May be taught concurrently with BIO 697. Cannot receive credit for both BIO 697 and BIO 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

BIO 601 Natural History Museum Techniques

Techniques in the development of natural history museum displays including making models, design of displays, writing educational text, and other techniques. Course will be taught off-site at the Bull Shoals Field Station and Chase Studio. May be taught concurrently with BIO 501. Cannot receive credit for both BIO 601 and BIO 501.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

BIO 602 Sustainability Science in Practice

After exploring the three pillars of sustainability, students will embark on developing a research proposal in their area of study. Research in virtually all areas related to sustainable development can be a focus of a student's research proposal. For example: food, health, education, economics, social and gender equity, energy, law and diplomacy, land use change, biodiversity loss, chemical pollution, freshwater use, water quality, climate change mitigation, environmental remediation, smart structures, alternative energy, supply chain logistics and smart grids. May be taught concurrently with BIO 502. Cannot receive credit for both BIO 602 and BIO 502.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

BIO 605 Human Nature

Recommended Prerequisite: general biology with evolution; genetics; college algebra; and introductory psychology. A survey of current biological research on the behavioral, psychological, and cognitive dimensions of human biology. This course emphasizes the evolution and function of human social behaviors and value systems, but also addresses the genetics of human psychological diversity, the genetics of human-ape divergence, and the neurobiology of human cognition. May be taught concurrently with BIO 505. Cannot receive credit for both BIO 605 and BIO 505.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

BIO 608 Environmental Microbiology

Recommended Prerequisite: microbiology. The study of the ecology of microorganisms and the applied use of microorganisms by man in the environment. Laboratory will emphasize current methods used in the field of environmental microbiology. May be taught concurrently with BIO 508. Cannot receive credit for both BIO 508 and BIO 608.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

BIO 609 Stream Ecology

Recommended Prerequisite: ecology course and one year of college chemistry. The interdisciplinary study of running waters, including study of the physical and chemical environment, trophic interactions, nutrient cycling, and the multiple impacts of humans on modifying these

of the physical and chemical environment, trophic interactions, nutrient cycling, and the multiple impacts of humans on modifying these

systems. Lectures, group discussion of readings, and laboratory and field exercises. One all-day Saturday field trip required. May be taught concurrently with BIO 509. Cannot receive credit for both BIO 509 and BIO 609.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Spring

BIO 611 Immunology

Recommended Prerequisite: microbiology or molecular/cellular biology. A study of the immune system with emphasis on molecular and cellular mechanisms underlying host-microbe interactions, allergy, transplant rejection, cancer surveillance, and autoimmune disease. Laboratory emphasis on techniques used to address research and diagnostic problems. May be taught concurrently with BIO 511. Cannot receive credit for both BIO 511 and BIO 611.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall

BIO 613 Industrial Microbiology

Recommended Prerequisite: microbiology course. An introduction to the fundamental concepts of industrial and applied microbiology. The industrial production of proteins, metabolites, polymers, biocides, and vaccines will be discussed in addition to biotransformations and environmental applications. Production improvement strategies that employ both physical and modern molecular techniques will be introduced. Laboratory will emphasize the selection of industrially important microorganisms, the theory and operation of a fermentor for the production of proteins, antibiotics, and steroids, use of analytical equipment for monitoring product formation, enzymes analysis, downstream processing, and bio-reactor construction and design. May be taught concurrently with BIO 512. Cannot receive credit for both BIO 512 and BIO 613.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

BIO 616 Evolution

Recommended Prerequisite: genetics course; and college algebra or pre-calculus mathematics course. A survey of modern evolutionary biology, including the evidence that supports the theory of evolution, the natural processes that cause evolution, patterns and mechanisms of speciation, and methods for estimating evolutionary relationships. May be taught concurrently with BIO 515. Cannot receive credit for both BIO 515 and BIO 616.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BIO 617 Microbial Physiology and Metabolism

Recommended Prerequisite: microbiology course and organic chemistry course. Physiology and anatomy of microorganisms including

Recommended Prerequisite: microbiology course and organic chemistry course. Physiology and anatomy of microorganisms including adaptive responses to environmental changes and microbial metabolic diversity will be discussed. Laboratory will emphasize selective

isolation and identification of microorganisms, the growth dynamics of microorganisms, and responses by microorganisms to environmental changes. May be taught concurrently with BIO 517. Cannot receive credit for both BIO 517 and BIO 617.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall

BIO 618 Regulatory Mechanisms

Recommended Prerequisite: genetics, molecular/cellular biology, microbiology, or biochemistry. The regulation of gene expression and protein/enzyme activity in prokaryotes, eukaryotes and viruses. A content-based lecture and discussion course utilizing both textbook and primary literature. May be taught concurrently with BIO 518. Cannot receive credit for both BIO 618 and BIO 518.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

BIO 620 Pathogenic Microbiology

Recommended Prerequisite: microbiology course. Fundamental principles of pathogenic microbiology; transmission, infection and control of the pathogen. May be taught concurrently with BIO 520. Cannot receive credit for both BIO 520 and BIO 620.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BIO 621 Marine Science for Teachers I

Prerequisite: 12 hours in biology.

Recommended Prerequisite: genetics course. A course designed to introduce students, particularly inservice teachers, to the study of marine science and to promote the teaching of marine biology at all grade levels. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 521. Cannot receive credit for both BIO 521 and BIO 621.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

BIO 623 Marine Science for Teachers I Lab

Prerequisite: concurrent enrollment in BIO 621.

Laboratory portion of BIO 621. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 522. Cannot receive credit for both BIO 522 and BIO 623.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Summer

BIO 627 Field Biology

Prerequisite: permission of instructor.

Field work during an extended field trip to a specific region of North America to familiarize the student with the flora and/or fauna of that region. Course is scheduled irregularly during academic breaks and may be preceded by several lectures in preparation for the trip. May be repeated to a maximum of six hours with a maximum of three hours to be applied to the major in biology. May be taught concurrently with BIO 527. Cannot receive credit for both BIO 527 and BIO 627.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

BIO 629 Phycology

Recommended Prerequisite: ecology course. The structure, function, ecological significance, and diversity of algae. Emphasis will be placed on field studies, isolation and growth, and physiological characteristics. May be taught concurrently with BIO 530. Cannot receive credit for both BIO 530 and BIO 629.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

BIO 632 Principles of Fisheries Management

Recommended Prerequisite: ecology or wildlife management course. Life history, population ecology, and management of exploited freshwater and marine species. Scientific sampling and analysis of fishery populations. Characterization, history, and management principles for representative commercial and recreational fisheries. May be taught concurrently with BIO 532. Cannot receive credit for both BIO 532 and BIO 632.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

BIO 633 Wetland Ecology

Recommended Prerequisite: ecology course; and one year of college chemistry. The composition, structure, function, and importance of wetland ecosystems. Comparisons of different wetland types, hydrology, nutrient cycles, plants and animals and their adaptations, and conservation strategies. May be taught concurrently with BIO 533. Cannot receive credit for both BIO 533 and BIO 633.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Upon demand

BIO 635 Coastal Vegetation Lab

Prerequisite: concurrent enrollment in BIO 641.

Laboratory portion of BIO 641. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 535. Cannot receive credit for both BIO 535 and BIO 635.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Summer

BIO 636 Plant Ecology

Recommended Prerequisite: ecology course. The dynamics, structure, and distribution of plant populations and communities, with emphasis on interactions among plants, plants and other organisms, and plants and ecosystems. Laboratory emphasis on experimental studies in the greenhouse and field. Weekend field trip is required. BIO 436 may be taught concurrently with BIO 636. Cannot receive credit for both BIO 436 and BIO 636.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall

BIO 637 Salt Marsh Plant Ecology

Prerequisite: permission of advisor or department head.

Recommended Prerequisite: general biology II, plant taxonomy, ecology and plant physiology course. A study with emphasis on the botanical aspects of local marshes; includes plant identification, composition, structure, distribution, and development of coastal marshes. Biological and physical interrelationships. Primary productivity and relation of marshes to estuaries and associated fauna. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 537. Cannot receive credit for both BIO 537 and BIO 637.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

BIO 638 Salt Marsh Plant Ecology Lab

Prerequisite: concurrent enrollment in BIO 637.

Laboratory portion of BIO 637. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 538. Cannot receive credit for both BIO 538 and BIO 638.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Summer

BIO 639 Biogeography

Recommended Prerequisite: general biology I and II courses. Study of patterns of distribution of organisms in space and in time. May be taught concurrently with BIO 539. Cannot receive credit for both BIO 539 and BIO 639.

taught concurrently with BIO 539. Cannot receive credit for both BIO 539 and BIO 639.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

BIO 640 Applications of Molecular Markers

Recommended Prerequisite: genetics course. Introduction to the use of molecular markers in biological research. Topics covered include methods for identifying genetic variation at the molecular level and their applications to gene discovery, gene mapping, phylogenetics, forensics, conservation biology, and research in ecology and evolution. Students will complete research projects using one or more of the techniques learned. May be taught concurrently with BIO 540. Cannot receive credit for both BIO 640 and BIO 540.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall (odd-numbered years)

BIO 641 Coastal Vegetation

Prerequisite: 10 hours of biology and permission of advisor or department head.

Recommended Prerequisite: general biology I and II courses. A broad study of the general and specific aspects of coastal vegetation, with emphasis on local examples. Vegetational composition, variation, succession, climax, and distribution. Includes aerial techniques, plant identification, delineation of vegetational types and mapping. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 534. Cannot receive credit for both BIO 534 and BIO 641.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

BIO 644 Plant Physiology

Recommended Prerequisite: organic chemistry course. Basic chemical and physical principles of plant function considering water relationships, nutrient transport, mineral nutrition, photosynthesis, respiration, and phytohormones. May be taught concurrently with BIO 544. Cannot receive credit for both BIO 544 and BIO 644.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Upon demand

BIO 647 Water Resources

Recommended Prerequisite: BIO 122 or GLG 110 or GRY 142; and CHM 160 and CHM 161; and MTH 135. An interdisciplinary study of freshwater resource development, including environmental impacts of humans on hydrology and water quality, conflicts among users, and politics at local and global scales. Identical with GLG 647. Cannot receive credit for both BIO 647 and GLG 647. May be taught concurrently with BIO 547. Cannot receive credit for both BIO 647 and BIO 547.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

BIO 650 Statistical Methods for Biologists

Recommended Prerequisite: genetics course and pre-calculus mathematics course. Scientific methodology, experimental design, statistical analysis, and data interpretation applied to biological questions. May be taught concurrently with BIO 550. Cannot receive credit for both BIO 550 and BIO 650.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

BIO 651 Experimental Design for Biologists

Recommended Prerequisite: statistics course. The design and analysis of biological experiments, with an emphasis on the choice and interpretation of inferential statistics. Topics covered include causal inference, statistical power, general linear models, and repeated measures designs. The use of computer software to analyze real data sets from the biological literature is emphasized. May be taught concurrently with BIO 551. Cannot receive credit for both BIO 551 and BIO 651.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

BIO 654 Marine Ichthyology

Prerequisite: 16 hours of biology and permission of advisor or department head.

Recommended Prerequisite: General Biology I and II, Genetics and Comparative Vertebrate Anatomy. This course provides the student with a strong general background in the biology of marine fishes. Emphasis placed on the principles involved in the classification and taxonomy of marine and estuarine fishes. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 555. Cannot receive credit for both BIO 555 and BIO 654.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

BIO 655 Developmental Biology

Recommended Prerequisite: cell biology course. An in-depth study of the molecular and cellular mechanisms involved in the development of vertebrate, invertebrate, and plant systems. Lectures will emphasize fertilization, morphogenesis, differentiation, induction, regeneration, and neoplasia. Laboratory exercises will emphasize techniques utilized by developmental biologists. Review of current literature and poster presentations will be required. May be taught concurrently with BIO 355. Cannot receive credit for both BIO 355 and BIO 655.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Spring

BIO 656 Marine Ichthyology Lab

Prerequisite: concurrent enrollment in BIO 654.

Laboratory portion of BIO 654. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 556. Cannot receive credit for both BIO 556 and BIO 656.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Summer

BIO 657 Marine Fisheries Management

Prerequisite: permission of instructor; and concurrent enrollment in BIO 658.

A course designed to familiarize students with practical marine fisheries management problems in today's real world. Covers the international and local, economic, social, legal, and political, as well as biological factors that are considered in decisions directed toward achieving optimum sustainable yield from marine resources. The history of management schemes, sources of information, current status of fishing technology, management methods, legal problems and educational needs are explored. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 557. Cannot receive credit for both BIO 557 and BIO 657.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

BIO 658 Marine Fisheries Management Lab

Prerequisite: concurrent enrollment in BIO 657.

Laboratory portion of BIO 657. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 558. Cannot receive credit for both BIO 558 and BIO 658.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Summer

BIO 659 Population Genetics and Evolutionary Mechanisms

Recommended Prerequisite: evolution course and statistics course. The theory of genetic variation in populations, with emphasis on quantitative description of the mechanisms of biological evolution. May be taught concurrently with BIO 560. Cannot receive credit for both BIO 560 and BIO 659.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BIO 661 Environmental Issues Education and Interpretation

Prerequisite: permission of instructor.

Discussion of environmental issues, practical experiences in teaching environmental concepts, and awareness of environmental resource materials for the formal and nonformal educational setting. May be taught concurrently with BIO 561. Cannot receive credit for both BIO 661 and BIO 561

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

BIO 662 Limnology

Recommended Prerequisite: ecology course; and one year of college chemistry. Physical, chemical, and biological characteristics of lakes and reservoirs. Laboratory includes mapping, lake models, water chemistry, and surveys of diversity and abundance. Two all-day Saturday labs required. May be taught concurrently with BIO 562. Cannot receive credit for both BIO 562 and BIO 662.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall

BIO 663 Population Ecology

Recommended Prerequisite: ecology course and pre-calculus mathematics course. Discussion of factors controlling the distribution and abundance of populations. Quantitative description of population dynamics is emphasized. May be taught concurrently with BIO 563. Cannot receive credit for both BIO 563 and BIO 663.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring (even-numbered years)

BIO 664 Ozarks Natural Communities

Recommended Prerequisite: BIO 367 and BIO 368. Examination of forests, glades, and aquatic habitats with focus on environmental issues in the Ozarks. Integration into formal and non-formal educational settings will be covered. May be taught at the Bull Shoals Field Station. May be taught concurrently with BIO 564. Cannot receive credit for both BIO 664 and BIO 564.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Upon demand

BIO 665 Marine Ecology

Prerequisite: 16 hours of biology and permission of advisor or department head.

Recommended Prerequisite: General Biology I and II. A consideration of the relationship of marine organisms to their environment includes the effects of temperature, salinity, light, nutrient concentration, currents, and food on the abundance and distribution of marine organisms. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. Concurrent enrollment in BIO 566 required. May be taught concurrently with BIO 565. Cannot receive credit for both BIO 565 and BIO 665.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

BIO 666 Marine Ecology Lab

Prerequisite: concurrent enrollment in BIO 665.

Laboratory portion of BIO 665. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 566. Cannot receive credit for both BIO 566 and BIO 666.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Summer

BIO 668 Physiological Ecology

Recommended Prerequisite: ecology course; and general physiology or plant physiology or human physiology course. Physiological adaptations of plants and animals to environmentally stressful conditions and to ecological/evolutionary pressures. May be taught concurrently with BIO 567. Cannot receive credit for both BIO 567 and BIO 668.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	0	Spring (odd-numbered years)

BIO 671 Comparative Animal Physiology

Recommended Prerequisite: general physiology or human physiology course. Organ/system function in a wide range of invertebrate and vertebrate animals. May be taught concurrently with BIO 571. Cannot receive credit for both BIO 571 and BIO 671.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	3	Spring (odd-numbered years)

BIO 673 Ornithology

Prerequisite: 12 hours of biology.

Taxonomy, distribution, life histories and ecology of birds; emphasis on Missouri forms. Early morning field trips required. May be taught concurrently with BIO 573. Cannot receive credit for both BIO 573 and BIO 673.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

BIO 674 Aquatic Entomology

Aquatic insects, ecology and taxonomy with emphasis on field applications. One weekend field trip required. May be taught concurrently with BIO 574. Cannot receive credit for both BIO 574 and BIO 674.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	3	Upon demand

BIO 675 Ichthyology

Prerequisite: 12 hours in biology.

Taxonomy, distribution, life histories and ecology of fish with emphasis on Missouri forms. May be taught concurrently with BIO 575. Cannot receive credit for both BIO 575 and BIO 675.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

BIO 676 Herpetology

Prerequisite: 12 hours in biology.

Taxonomy, distribution, life histories and ecology of amphibians and reptiles with emphasis on Missouri forms. One weekend field trip required. May be taught concurrently with BIO 576. Cannot receive credit for both BIO 576 and BIO 676.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

BIO 677 Mammalogy

Prerequisite: 12 hours in biology.

Taxonomy, distribution, life histories and ecology of mammals with emphasis on Missouri forms. One weekend field trip required. May be taught concurrently with BIO 577. Cannot receive credit for both BIO 577 and BIO 677.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

BIO 678 Behavioral Ecology

Recommended Prerequisite: ecology course and statistics course. Fundamental principles of animal behavior with an emphasis on the study of the ecological and evolutionary processes that influence behavior. May be taught concurrently with BIO 578. Cannot receive credit for both BIO 578 and BIO 678.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Spring

BIO 679 Conservation Biology

Recommended Prerequisite: genetics course and ecology course. An in-depth examination of the science of conservation from a biological perspective, with an examination of ethical and legal aspects of conservation. May be taught concurrently with BIO 579. Cannot receive credit for both BIO 579 and BIO 679.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BIO 680 Vertebrate Anatomy and Evolution

Vertebrate gross anatomy. Phylogeny and present status of organ systems in vertebrates. May be taught concurrently with BIO 380. Cannot receive credit for both BIO 380 and BIO 680.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

BIO 685 Marine Conservation

An overview of current issues related to the conservation and management of marine organisms, with emphasis on marine species and habitats exploited or endangered by human actions. BIO 485 may be taught concurrently with BIO 685. Cannot receive credit for both BIO 685 and 485.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Summer

BIO 686 Fish Ecology

Recommended Prerequisite: ecology course and ichthyology course. The biology of fishes in relation to environmental conditions at the individual, population, and community levels. May be taught concurrently with BIO 584. Cannot receive credit for both BIO 584 and BIO 686.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BIO 687 Marine Invertebrate Zoology

Prerequisite: 16 hours in biology; and concurrent enrollment in BIO 688.

A concentrated study of the free-living marine and estuarine invertebrates of Mississippi Sound and adjacent bayous, salt marshes, barrier islands, and the nearshore continental shelf of the northeastern Gulf of Mexico. Course emphasizes structure, classification, phylogenetic relationships, larval development, functional processes, and ecological aspects of Gulf of Mexico invertebrates and their natural assemblages. Advanced undergraduates and graduate students may be asked to conduct independent, short-term research projects during the course. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 587. Cannot receive credit for both BIO 587 and BIO 687.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

BIO 688 Marine Invertebrate Zoology Lab

Prerequisite: concurrent enrollment in BIO 687.

Laboratory portion of BIO 687. May be taught concurrently with BIO 588. Cannot receive credit for both BIO 588 and BIO 688.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Summer

BIO 689 Game Management

Recommended Prerequisite: wildlife management course. Management of game birds and mammals for recreational utilization. May be taught concurrently with BIO 589. Cannot receive credit for both BIO 589 and BIO 689.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BIO 697 Topics in Biology

Prerequisite: permission of instructor.

A variable content course to provide for the offering of selected topics in biology on a one time or first-time basis. May be repeated for credit when topic varies. May be taught concurrently with BIO 597. Cannot receive credit for both BIO 597 and BIO 697.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

BIO 710 Topics in Microbial Physiology

Topics of interest in microbial physiology will be discussed. These may include, cell structure, energy production, fermentation, nitrogen metabolism, protein and nucleic acid syntheses, regulation of gene expression, and dynamics of cell growth. Lecture will supplement discussion sessions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

BIO 712 Advanced Immunology

Recommended Prerequisite: immunology course. Cellular aspects of the immune system.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

BIO 725 Advanced Limnology

Recommended Prerequisite: limnology course. Advanced concepts of biological, chemical and physical limnology. Recent symposia, reviews, and primary literature are discussed. Prerequisite: BIO 562. Advanced concepts of biological, chemical and physical limnology. Recent symposia, reviews, and primary literature are discussed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

BIO 726 Advanced Limnology Methods

Recommended Prerequisite: limnology course. Research and practical application of modern limnological methods are taught.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Upon demand

BIO 728 Recent Advances in Biology

Prerequisite: permission of instructor.

Selected topics in biology to be discussed using original literature as the focal point. Variable content course. May be repeated when topic varies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

BIO 730 Advanced Topics in Biology

Prerequisite: permission of instructor.

Individual study in biology; may include literature, field and/or laboratory work. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

BIO 734 Advanced Plant Taxonomy

Prerequisite: permission of instructor.

Philosophy and principles of modern taxonomic procedures.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Upon demand

BIO 755 Advanced Developmental Biology

Recommended Prerequisite: developmental biology course. This course delves deeper into topics introduced in BIO 355 and 655, and will explore other subjects not previously covered. Topics discussed may include, but are not limited to, fertilization (how do sperm and eggs mature, and how does fertilization occur?), organ size determination (what controls the size and correct proportions of organs during development), organ/embryo patterning (how does an embryo know which side will become the left and which will become the right?), organogenesis (how is a branching pattern created in developing blood vessels?), ecological developmental biology (how does climate change affect development of an organism?), and evolutionary developmental biology (how do cavefish develop without eyes, despite their eye bearing ancestors?).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

BIO 760 Topics in Teaching Biology

Prerequisite: permission of instructor.

Biological concepts, information, practical experiences, and use of resource materials in the elementary and secondary classroom. Variable content course. May be repeated when topic varies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

BIO 767 Advanced Vertebrate Zoology

Evolutionary relationships of living and extinct vertebrates; analysis of geographic distribution and adaptive radiation. Includes field/lab experiences to be arranged.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

BIO 790 Degree Paper

Prerequisite: permission of advisor.

Extensive paper on selected topics. Exclusively satisfies requirements for non-thesis option, which also requires one BIO 790 paper to be presented orally to the department. May be repeated to a maximum of four hours. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

BIO 794 Scientific Writing

Organization and methods in scientific writing. Included are discussion of literature searching, scientific methodology, experimental design, proposal writing, figure preparation, editing and oral presentation. Recommended for graduate students in biology, preferably during the first year of graduate study.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

BIO 796 Science Internship

Completion of an internship project (80 hours/credit hour) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

BIO 798 Research

Prerequisite: permission of advisor.

Supervised research in special biology areas. May be repeated, but no more than six hours may be counted towards the MS degree. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

BIO 799 Thesis

Prerequisite: permission of advisor.

Independent study connected with preparation of thesis. May be repeated, but no more than six hours may be counted towards the MS degree. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Biology

Major(s)

Biology (Non-Comprehensive) (BA)

Bachelor of Arts

A. General Education Program and Requirements
B. General Baccalaureate Degree Requirements
C. Major Requirements
   1. BIO 121(4), 122(4), 235(3), 236(1); 312(3) and 313(2) or BIO 320(4); 367(3), 368(1), 302(1), 492(0), 550(3)
   2. Select elective courses in biology to total a minimum of 32 hours and include at least 12 hours of 300 level or higher courses. Electives may be selected from one of the following emphases. Advisors can assist students to select electives to emphasize areas that best meet their interest and career goals. Popular areas of emphasis include pre-health studies (pre-medical, pre-veterinary, pre-physical therapy, etc.), microbiology, cell/molecular biology, environmental/conservation biology, and zoology, but other areas of emphasis are also possible.
   3. Related Requirements: CHM 201(3) and 202(2), or CHM 342(3) and 345(2) and 343(3); PHY 123(4) and 124(4) or PHY 203(5) and 204(5); MTH 261(5) or 287(3)
   4. Public Affairs Capstone Experience will be fulfilled by completion of BIO 367(3), 368(1), 302(1), 492(0) and one additional course from the following: BIO 300(1), 355(4), 370(4), 373(3), 398(1), 399(1-3), 485(1-3), 498(3), 499(1-3), 501(2), 505(3), 508(3), 509(4), 511(4), 512(3), 520(3), 527(1-4), 539(3), 547(3), 561(2), 573(3), 574(2), 575(3), 576(3), 577(3), 578(4), 579(3), 584(3), 589(3). Course may also be used to satisfy the elective courses in biology.
D. Minor Required (or second major)
E. Specific Bachelor of Arts Degree Requirements

Biology (Non-Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements
B. General Baccalaureate Degree Requirements
C. Major Requirements
   1. BIO 121(4), 122(4), 235(3), 236(1); 312(3) and 313(2) or BIO 320(4); 367(3), 368(1), 302(1), 492(0), 550(3)
   2. Select elective courses in biology to total a minimum of 36 hours and include at least 12 hours of 300-level or higher courses. Advisors can assist students to select electives to emphasize areas that best meet their interest and career goals. Popular areas of emphasis include pre-health studies (pre-medical, pre-veterinary, pre-physical therapy, etc.), microbiology, cell/molecular biology, environmental/conservation biology, and zoology, but other areas of emphasis are also possible.
   3. Public Affairs Capstone Experience will be fulfilled by completion of BIO 367(3), 368(1), 302(1), 492(0) and one additional course from the following: BIO 300(1), 355(4), 370(4), 373(3), 398(1), 399(1-3), 485(1-3), 498(3), 499(1-3), 501(2), 505(3), 508(3), 509(4), 511(4), 512(3), 520(3), 527(1-4), 539(3), 547(3), 561(2), 573(3), 574(2), 575(3), 576(3), 577(3), 578(4), 579(3), 584(3), 589(3). Course may also be used to satisfy the elective courses in biology.
   4. Related Requirements: CHM 201(3) and 202(2), or CHM 342(3) and 345(2) and 343(3); PHY 123(4) and 124(4) or PHY 203(5) and 204(5); MTH 261(5) or 287(3)
D. Minor Required (or second major)

Biology (Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements
B. General Baccalaureate Degree Requirements
C. Major Requirements
1. BIO 121(4), 122(4), 235(3), 236(1), 302(1), 492(0), 550(3)
2. PHY 123(4) or 203(5) and PHY 124(4) or 204(5)
3. MTH 138(5) or 181(3), or eligibility for MTH 261 on mathematics placement test
4. BIO 312(3) and 313(2) or BIO 320(4) or 361(4) or 544(4); consult options below before selecting course
5. CHM 116(4) and 117(1), or CHM 160(4) and 161(1); consult options below before selecting course
6. CHM 201(3) and 202(2), or CHM 302(5) or 342(3) and 343(2); consult options below before selecting course
7. Public Affairs Capstone Experience will be fulfilled by completion of BIO 302(1), 492(0) and two additional courses from the following: BIO 300(1), 355(4), 367(3), 370(4), 373(3), 398(1), 399(1-3), 485(1-3), 498(3), 499(1-3), 501(2), 505(3), 508(3), 509(4), 511(4), 512(3), 520(3), 527(1-4), 539(3), 547(3), 561(2), 573(3), 574(2), 575(3), 576(3), 577(3), 578(4), 579(4), 584(3), 589(3). Courses may also be used to satisfy option requirements.
8. Complete requirements in one of the following options. (Note: With approval of advisor, up to 3 hours of the following can be substituted for one of the BIO courses listed in any option: BIO 300, 399, 499, or 597.)

a. **Pre-Teacher Education** (72-74 hours total)*
   a. Required courses: BIO 312(3), 313(2), 361(4), 367(3), 368(1), 515(3)
   b. Complete a minimum of 9 additional hours of upper level Biology courses (with approval of advisor).
   c. Related requirements in Chemistry: CHM 160(4), 161(1), 170(3), 171(1); CHM 201(3) and 202(2), or CHM 302(5)
   d. Complete the following related science courses: GLG 110(4); GRY 135(4); SCI 505(3)
   e. Complete at least one of the following related requirements in Mathematics: MTH 181(3), or eligibility for MTH 261(5) on Mathematics Placement test.

   *This option is designed for students preparing to enter post-graduate studies to become a high school science teach. This program does not include courses in teacher education that are required by the state of Missouri for certification as a teacher. Certification requirements can be met through postbaccalaureate programs or master's program at Missouri State University.

b. **Environmental Biology and Evolution** (72-85 hours total)
   a. Required courses: BIO 367(3), 368(1), 515(3)
   b. Complete one of the following options in biodiversity and evolution: BIO 334(3), 339(2), 370(4), 371(3), 380(5), 530(3), 571(4), 573(3), 574(2), 575(3), 576(3), 577(3); the following courses taught during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi: BIO 534(2) and 535(1); 555(3), 556(3), 587(3), 588(3)
   c. Complete one of the following options in population biology: BIO 436(4), 505(3), 532(3), 540(4), 560(3), 563(3), 567(4), 578(4), 584(3), 589(3); the following courses taught during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi: BIO 557(2) and 558(2)
   d. Complete courses in community/ecosystem biology totaling at least 3 hours from the following: BIO 373(3), 485(1-3), 508(3), 509(4), 533(3), 539(3), 547(3), 562(4), 564(2), 579(4); the following courses taught during the summer at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi: BIO 537(2), 538(2), 565(3), 566(2)
   e. Complete at least one biology course with a substantial field component. A course used to satisfy this requirement also may be counted toward the biodiversity, population biology, and community/ecosystem biology concentration areas described above. Complete one of the following: BIO 334(3), 339(2), 370(4), 436(4), 509(4), 527(1-4), 562(4), 564(2), 574(2), 575(3), 576(3), 577(3), any biology course taught at the Gulf Coast Research Laboratory, any biology course taught at the Bull Shoals Field station or another field station (with the approval of your advisor)
   f. Complete 0-8 hours of elective BIO courses at the level of 300 or higher to total a minimum of 43 hours in biology
   g. Complete at least one of the following related requirements in Mathematics, Statistics, or Computer programming: MTH 261(5), MTH 287(3), CSC 125(4), CSC 130(3), CSC 587(3), BIO 551(2), PSY 527(3)
   h. Related requirements in Chemistry: CHM 160(4), 161(1), 170(3), 171(1)
   i. Complete one of the following related science courses: AGN 215(3), ANT 305(3), ANT 375(3); CHM 260(3) or 460(3); GLG 171(3), GRY 351(3)
   j. Complete one of the following from related fields of study: BIO 561(2), ECO 540(3), GEO 363(4), LAW 537(3), PHI 302(3), PLS 555(3), PSY 379(3)

c. **Microbiology and Biotechnology** (71-87 hours total)

a. Required courses: BIO 312(3), 313(2), 320(4)
b. Complete 21 additional hours in BIO courses with a minimum of 18 hours from the following: BIO 355(4), 508(3), 511(4), 512(3); 505(3) or 515(3); 517(4), 518(2), 520(3), 530(3), 540(4). BMS 524(3) may be substituted for one of these courses. CHM 302(5); or CHM 502(3) and 503(1); or CHM 504(3) and 505(1) may be substituted for one of these courses.
c. Related requirements in Chemistry: CHM 160(4), 161(1), 170(3), 171(1); CHM 201(3) and 202(2), or CHM 342(3) and 345(2) and CHM 343(3), or CHM 342(3) and 345(2); CHM 352(3) or CHM 554(3) and 556(3)

d. **Wildlife Biology** (68-87 hours total)

a. Required courses: BIO 320(4) or 361(4), 367(3), 368(1)
b. Complete two courses in plant biology from: BIO 334(3), 339(2), 530(3), 544(4)
c. Complete three courses in animal biology from: BIO 370(4), 371(3), 380(5), 571(4), 573(3), 574(2), 575(3), 576(3), 577(3)
d. Complete a minimum of 5 hours in management from: BIO 373(3), 485(1-3), 509(4), 532(3), 533(4), 562(4), 589(3)
e. Complete two courses in ecology and evolution from: BIO 436(4), 515(3), 539(3), 563(3), 567(4), 578(4), 579(4), 584(3)
f. Complete one course in human dimensions from the following: AGN 335(3), BIO 547(3), BIO 561(2), CRM 210(3), ECO 540(3), GRY 108(3), GRY 351(2), PHI 302(3), PLS 555(3), LAW 537(3)
g. Complete one course in earth/environmental science: AGN 215(3), CHM 260(3), GLG 110(4), GRY 142(4)

Minor(s)

Biology

Bachelor of Arts

A. BIO 121(4), 122(4), 235(3), 236(1)
B. Additional biology electives to total 15 hours.

Biology

Bachelor of Science

A. BIO 121(4), 122(4), 235(3), 236(1)
B. Additional biology electives to total 19 hours.

Biology

Bachelor of Science in Education (Non-Certifiable)

BIO 121(4), 122(4), 235(3), 236(1), 320(4), 367(3) and 368(1).

Accelerated graduate program in Biology

Eligible Missouri State undergraduate students may apply for admission to the Biology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed

Credit.

Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate certificate in Science Content

Eligible Missouri State undergraduate students may apply for admission to the Science Content certificate program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate certificate (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Environmental Education Certificate

Environmental Education

This certificate is jointly offered by Department of Biology and Department of Geography, Geology and Planning and provides coursework to improve or broaden the student's background knowledge of environmental related topics and provides instruction on techniques for presenting environmental topics in formal and in nonformal education settings. It also provide exposure to and access to a variety of national and regional environmental education resources that participants can use when developing their own educational programs in the future.

This certificate is administered by the College of Natural and Applied Science.

Program requirements (14-16 hours)

A. GRY 108(3), BIO 561(2)
B. Select three courses from following with at least two different course codes. Only one internship and one field course can count toward this program. Cannot count both BIO 547 and GLG 547. Other courses approved by the faculty advisor for the program may be substituted on a case-by-case basis. BIO 399(1-3), BIO 485(1-3), BIO 527(1-4), BIO 547(3), BIO 564(2), BIO 579(4); GRY 318(3), GRY 328(3), GRY 348(3), GRY 353(2), GRY 399(1-3); GLG 110(4), GLG 115(3), GLG 171(3), GLG 350(3), GLG 360(1-3), GLG 399(1-3), GLG 547(3)
C. All candidates must satisfy the General University Certificate Requirements.

Completion requirements

Attain a GPA of 2.50 or higher in the courses used to fulfill the certificate requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Wildlife Conservation and Management

Major(s)

Wildlife Conservation and Management (Comprehensive)

Bachelor of Science

This major is offered in cooperation with the Department of Environmental Plant Science and Natural Resources.

A. General Education Program and Requirements
   Specific General Education Requirements: BIO 121(4); GLG 110(4); GRY 100(3); MTH 135(3) or 138(5)
B. Major Requirements
   1. Agriculture Requirements:
      a. AGN 115(3) or AGP 103(3); AGN 143(3), 215(3), 335(3); AGP 365(3) or 370(3); AGR 383(3)-course deleted-see advisor; AGR 490(1)
      b. Select two courses (4-6 hours) from: AGB 354(2); AGN 351(2); AGP 333(3), 485(3), 583(3)
   2. Biology Requirements:
      a. BIO 121(4), 122(4), 334(3), 339(2), 373(3)
      b. Select one option from: BIO 367(3) and 368(1); BIO 436(4), 562(4)
      c. Select two courses from: BIO 573(3), 575(3), 577(3)
      d. Public Affairs Capstone Experience will be fulfilled by completion of BIO 373(3) and two additional course from the following: BIO 300(1), 355(4), 370(4), 398(1), 399(1-3), 485(1-3), 498(3), 499(1-3), 501(2), 505(3), 508(3), 509(4), 511(4), 512(3), 520(3), 527(1-4), 539(2), 547(3), 561(2), 573(3), 574(2), 575(3), 576(3), 577(3), 578(4), 579(3), 584(3), 589(3). Courses may also be counted toward the Biology requirements or ten additional hours in Agriculture and/or Biology requirement.
   3. Complete CHM 116(4) and 117(1), or CHM 160(4)
   4. Select ten additional hours in Agriculture and/or Biology. An advisor must be contacted to determine specific requirements that would result in eligibility to be placed on federal and state registries in Fisheries Biology, Social Science, Wildlife Biology, etc.
C. General Baccalaureate Degree Requirements

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate certificate in Science Content

Eligible Missouri State undergraduate students may apply for admission to the Science Content certificate program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate certificate (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Chemistry

Programs

Indicates accelerated graduate program is available

Undergraduate

Chemistry (BS, Minor)

Foundations of Interdisciplinary Science (Minor)

Foundations of Pharmaceutical Science (Certificate)
Interdisciplinary program offered by Department of Chemistry, Department of Biology, and Department of Biomedical Sciences

Graduate

Chemistry (MS)

Master of Natural and Applied Sciences degree with an area of emphasis in Chemistry (MNAS)

Plant Science (MS)

Secondary Education with option in Chemistry (MSEd)

Accreditations

- Missouri Department of Elementary and Secondary Education – Secondary Education/Chemistry (MSEd)
- Council for the Accreditation of Educator Preparation – Secondary Education/Chemistry (MSEd)

General information

American Chemical Society certification

The Chemistry Department has been approved to offer a certified program of professional training. The comprehensive major meets all requirements for certification. In addition to the required degree program, approved departments may offer up to six degree options and we have approval for one option. The comprehensive major with the biochemistry emphasis is now approved by ACS as a Biochemistry option. All students who have met the curricular guidelines of the approved program will receive certification from the ACS. This option is recommended for students who plan graduate work in chemistry or employment in the chemical industry after graduation.

Contact

Department head

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chemical industry after graduation.

Website

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Program requirements and restrictions

- CHM 116 and CHM 197 do not count toward a major or minor in Chemistry.
- For Chemistry major and minor programs, courses taken more than 10 years before graduation are subject to review and possible rejection by the Chemistry Department.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Chemistry Faculty

Distinguished professor

Eric Bosch, PhD

Professors

Richard N. Biagioni, PhD

Bryan E. Breyfogle, PhD

Nikolay N. Gerasimchuk, PhD

Tamera S. Jahnke, PhD

Mark M. Richter, PhD

G. Alan Schick, PhD

Reza Sedaghat-Herati, PhD

Adam K. Wanekaya, PhD

Associate professors

Gary A. Meints, PhD

Matthew Siebert, PhD

Erich D. Steinle, PhD

Assistant professors

Gautam Bhattacharyya, PhD

Natasha M. DeVore, PhD

Cyren M. Rico, PhD

Fei Wang, PhD

Keiichi Yoshimatsu, PhD

Senior instructor

Brian D. High, MS

Instructors

Scott M. Curtis, BS

Helena P. Metzker, MS

Emeritus faculty

Dean A. Cuebas, PhD

Robert L. Ernst, PhD

Annette W. Gordon, PhD

Wyman K. Grindstaff, PhD

Doris C. Lorz, MS

James F. O'Brien, PhD

Ralph W. Sheets, PhD

Shujun Su, PhD

Vernon J. Thielmann, PhD

Clifton C. Thompson, PhD

Paul M. Toom, PhD

Anthony Toste, PhD

James M. Wilbur, Jr., PhD

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Missouri State

Office of the Registrar
Undergraduate Catalog

Chemistry Courses

Chemistry (CHM) courses

CHM 107 Chemistry for the Citizen

General Education Course (Focus on Physical Sciences).

Concurrent enrollment in CHM 108 is highly recommended. A course for the non-science major. Principal concepts and applications of chemistry are presented. The course looks at both the beneficial side of chemical usage and the problems associated with chemical production and usage. The course provides information needed for a better understanding of environmental concerns, the chemical industry, consumer products and our alternate sources and storage of energy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	CHEM 100 - Essentials in Chemistry.

Access the CORE 42 portal

CHM 108 Chemistry for the Citizen Laboratory

Prerequisite: "C-" grade or better in CHM 107 or concurrent enrollment.

General Education Course (Focus on Physical Sciences).

A one semester course for the non-science major. Principal concepts and applications of chemistry are presented. Emphasis on experiments and lab skills associated with the lecture material in CHM 107.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
1	0	2	Fall, Spring	CHEM 100L - Essentials in Chemistry with Lab.

Access the CORE 42 portal

CHM 116 Fundamentals of Chemistry

Prerequisite: concurrent enrollment in MTH 103 or eligibility for MTH 130 or higher mathematics course.

General Education Course (Focus on Physical Sciences).

Concurrent enrollment in CHM 117 is highly recommended. Emphasis on chemical fundamentals and applications. Recommended for

students needing only one semester of introductory chemistry. Cannot be counted towards a chemistry major or minor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
4	4	0	Fall, Spring	CHEM 100 - Essentials in Chemistry.

Access the CORE 42 portal

CHM 117 Fundamentals of Chemistry Laboratory

Prerequisite: "C-" or better in CHM 116 or concurrent enrollment; concurrent enrollment in MTH 103 or eligibility for MTH 130 or higher mathematics course.

General Education Course (Focus on Physical Sciences).

Emphasis on experiments and lab skills associated with the lecture material in CHM 116, such as chemical fundamentals and applications. Recommended for students needing only one semester of general chemistry lab. Cannot be counted towards a chemistry major or minor. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
1	0	2	Fall, Spring	CHEM 100L - Essentials in Chemistry with Lab.

Access the CORE 42 portal

CHM 160 General Chemistry I

Prerequisite: eligibility for MTH 136 or higher; concurrent enrollment in CHM 161 is highly recommended.

General Education Course (Focus on Physical Sciences).

Emphasis on fundamental and theoretical concepts of chemistry. Recommended for all science majors, chemistry majors and minors, and most preprofessional students. A grade of "C-" or better is required in this course in order to take CHM 170 or CHM 171. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
4	4	0	Fall, Spring	CHEM 150 - Chemistry I.

Access the CORE 42 portal

CHM 161 General Chemistry I Laboratory

Prerequisite: CHM 160 or concurrent enrollment.

General Education Course (Focus on Physical Sciences).

An introduction to laboratory chemistry employing principles and techniques that reflect material presented in CHM 160, e.g., synthesis, stoichiometry, physical studies, and data manipulation and interpretation. A grade of "C-" or better is required in this course in order to take CHM 171. Cannot be taken Pass/Not Pass.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered	CORE 42 (MOTR) equivalent CORE 42 (MOTR) equivalent
1	0	2	Fall, Spring	CHEM 150L - Chemistry I with Lab.

Access the CORE 42 portal

CHM 170 General Chemistry II

Prerequisite: "C-" grade or better in CHM 160.

Concurrent enrollment in CHM 171 is highly recommended. Emphasis on reaction kinetics, chemical equilibrium, precipitation reactions, acid-base theory and oxidation-reduction reactions. A grade of "C-" or better is required in this course in order to take CHM 342, 352, or 506. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CHM 171 General Chemistry II Laboratory

Prerequisite: CHM 170 or concurrent enrollment; and a "C-" or better in CHM 160 and CHM 161.

An introduction to laboratory chemistry, employing principles and techniques that reflect material presented in CHM 170, e.g., physical studies on kinetics and equilibria of aqueous systems, qualitative and quantitative analysis, and data manipulation and interpretation. A grade of "C-" or better is required in this course in order to take CHM 302 or 342. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	3	Fall, Spring

CHM 197 Chemical Topics

For non-science majors: a single topic of contemporary, historical or theoretical significance. Topics may vary each semester. Variable content course. May be repeated provided topics are different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

CHM 201 Essentials of Organic Chemistry

Prerequisite: a "C-" grade or better in CHM 116 or CHM 160.

Principles of organic chemistry and biochemistry. The laboratory associated with this course is CHM 202. Cannot be counted toward a chemistry major or minor if student passes CHM 342.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CHM 202 Essentials of Organic Chemistry Laboratory

Prerequisite: "C-" or better in CHM 117 or CHM 161; "C-" or better in CHM 201 or concurrent enrollment.

Principles of organic chemistry and biochemistry. Emphasis on experiments and lab skills associate with the lecture material in CHM 201. Cannot be counted towards a chemistry major or minor if the student passes CHM 342. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

CHM 240 Glass Working

Prerequisite: CHM 170.

Instruction and practice in glass-working techniques needed to make simple apparatus.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

CHM 242 Preparing for Organic Chemistry

Prerequisite: "C-" or better in CHM 170 or concurrent enrollment.

Bridging the gap between CHM 170 and CHM 342, including discussion of how general chemistry differs from organic chemistry, study strategies for organic chemistry, and general chemistry topics discussed in terms of their application to organic chemistry.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CHM 260 Principles of Environmental Chemistry

Prerequisite: "C-" grade or better in CHM 116 and 117 or CHM 160.

An introduction to chemical processes occurring in the atmosphere, natural waters and soil. Sources of pollution, effects and remediation strategies are emphasized.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

CHM 300 Service Learning in Chemistry

Prerequisite: 30 hours, and concurrent registration in a chemistry course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in chemistry to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; students should investigate possible placements, available through the Chemistry Department and the Citizenship and Service Learning Office, prior to registration. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Upon demand

CHM 302 Introduction to Analytical Chemistry

Prerequisite: "C-" grade or better in both CHM 170 and CHM 171.

Fundamentals of chemical analysis and basic statistics; solution equilibria, fundamentals of spectrophotometric, chromatographic, and electrochemical methods. Laboratory includes both wet chemical and instrumental methods. Representative analyses are performed in laboratory.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	3	4	Fall, Spring

CHM 342 Organic Chemistry I

Prerequisite: "C-" grade or better in CHM 170.

Systematic coverage of reactions and properties of organic compounds. A grade of "C-" or better is required in this course in order to take CHM 343, CHM 345 or CHM 352. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CHM 343 Organic Chemistry II

Prerequisite: "C-" grade or better in CHM 342.

Continuation of CHM 342. A grade of "C-" or better is required in this course in order to take CHM 445 or CHM 542. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CHM 345 Microscale Organic Chemistry Laboratory

Prerequisite: "C-" grade or better in CHM 171 and in 342.

Learn and apply experimental techniques used in the microscale organic chemistry laboratory, including synthesis, isolation, and characterization of organic molecules.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	3	Fall, Spring

CHM 352 Introduction to Biochemistry

Prerequisite: "C-" grade or better in either [CHM 201 and 202] or CHM 342.

Recommended Prerequisite: BIO 121 or BMS 110 and 111. Essentials of biochemistry; chemistry and metabolism of biologically important compounds. CHM 352 and 554 cannot both be applied toward a Chemistry major or minor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CHM 353 Introduction to Biochemistry Laboratory

Prerequisite: CHM 171 or [CHM 201 and 202] or CHM 342; and CHM 352 or concurrent enrollment.

Introduction to modern biochemical techniques including buffer preparation, chromatographic separations and spectrophotometric analysis of biomolecules. CHM 353 and 555 cannot both be applied toward a chemistry major or minor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Spring

CHM 375 Inorganic Chemistry

Prerequisite: "C-" grade or better in CHM 170.

Atomic structure, chemical bonding, acid/base and reduction/oxidation concepts, reactivity of inorganic compounds, chemistry of main group elements, fundamentals of coordination theory. A grade of "C-" or better is required in this course in order to take CHM 575. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CHM 376 Inorganic Preparation

Prerequisite: "C-" grades or better in CHM 171 and CHM 375.

Synthesis of inorganic compounds and measurements of physical and chemical properties of selected inorganic compounds.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Spring

CHM 397 Cooperative Education in Chemistry

Prerequisite: acceptance into Cooperative Education Program and permission.

A combination of supervised work experience in an industrial or governmental laboratory and academic training. Variable content course. May be repeated to a maximum of six hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2			Fall, Spring

CHM 398 Chemical Symposium

Prerequisite: 14 hours of chemistry.

Recommended Prerequisite: take within the first 75 hours. Introduction to oral and written scientific communication, laboratory safety, ethics, scientific literature searching and software, and current trends in chemical research. Does not count toward a chemistry minor. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

CHM 399 Undergraduate Research

Prerequisite: permission of instructor.

Individual investigation of a chemical problem under the guidance of a chemistry department faculty member. Students are required to consult with the chemistry department to obtain a research information packet and to discuss research options with chemistry faculty members. A formal written report is required for this course. May be repeated to a maximum of five hours. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

CHM 435 Investigations in Chemistry for Teachers

Prerequisite: 15 hours of chemistry or permission.

Techniques in performing science investigation with application to secondary and middle school science. May be taught concurrently with CHM 635. Cannot receive credit for both CHM 435 and CHM 635.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

1	0	2	Spring (odd-numbered years)

CHM 445 Intermediate Organic Chemistry Laboratory

Prerequisite: "C-" grade or better in CHM 343 and in CHM 345.

Learn and apply experimental techniques used in the preparative organic chemistry laboratory, including synthesis, multistep synthesis, isolation, purification, and characterization of organic molecules. Course is intended for chemistry majors.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	3	Fall, Spring

CHM 460 Environmental Chemistry: Water and Land

Prerequisite: "C-" or better in CHM 170; and "C-" or better in CHM 201 or CHM 342.

Recommended Prerequisite: CHM 302. Chemistry of water and soil, water treatment, agricultural chemistry and related topics. May be taught concurrently with CHM 660. Cannot receive credit for both CHM 460 and CHM 660.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CHM 461 Environmental Chemistry: Air and Energy

Prerequisite: "C-" or better in CHM 201 or CHM 342.

Recommended Prerequisite: some advanced coursework in chemistry, geosciences, biology, or related fields. Atmospheric chemistry; pollution issues related to power production and transportation; energy sources and fuels. May be taught concurrently with CHM 661. Cannot receive credit for both CHM 461 and CHM 661.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CHM 462 Environmental Chemistry Laboratory

Prerequisite: "C-" or better in CHM 302 and CHM 460.

Techniques and procedures for environmental monitoring to test natural samples. Applications and limitations of wet chemical and instrumental methods such as atomic absorption, gas chromatography, absorption spectrophotometry. May be taught concurrently with CHM 662. Cannot receive credit for both CHM 462 and CHM 662. Cannot receive credit for both CHM 462 and CHM 463.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Spring

CHM 463 Environmental Analysis

Prerequisite: "C-" or better in CHM 302 and CHM 460.

Techniques and procedures for environmental analysis of natural water samples with an emphasis on wet chemical methods. Cannot receive credit for both CHM 462 and CHM 463. Scheduled as first block class.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

CHM 492 Program Assessment

Prerequisite: senior standing chemistry major; and permission of department head.

Required assessment of undergraduate Comprehensive and Non-comprehensive Chemistry majors, who are required to enroll in this course during their final semester and complete a comprehensive assessment exam, as administered by the department. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0			Fall, Spring

CHM 498 Chemistry Careers

Prerequisite: CHM 398 and 60 hours.

Writing scientific resumes and cover letters, discussion of chemistry careers, graduate school, job-hunting resources and professional ethics. Outside speakers from chemistry-related employers will be invited. Interaction with the Career Center will be required. Public Affairs Capstone Experience course. May be taught concurrently with CHM 696. Cannot receive credit for both CHM 498 and CHM 696.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

CHM 499 Advanced Undergraduate Research

Prerequisite: CHM 398 and CHM 399, and permission of instructor.

Investigation of a research project as a continuation from CHM399 or pursuit of more advanced study under the guidance of a chemistry department faculty member. A formal written report and formal oral presentation of the research conducted are is required for this course. May be repeated to a maximum of five hours. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

CHM 502 Instrumental Analysis

CHM 502 Instrumental Analysis

Prerequisite: "C-" or better in CHM 201 or CHM 342; and "C-" or better in CHM 302.

Recommended Prerequisite: PHY 124 or PHY 204. Applications of instrumental methods for the separation and analysis of materials; included are potentiometry, photometry and chromatography. May be taught concurrently with CHM 602. Cannot receive credit for both CHM 602 and CHM 502.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CHM 503 Instrumental Analysis Laboratory

Prerequisite: "C-" or better in CHM 302; and "C-" or better in CHM 502 or CHM 602 or concurrent enrollment.

A laboratory course emphasizing applications of Instrumental methods for the separation and analysis of materials. The course is designed to reflect and supplement the scope of CHM 502. Included are laboratory exercises in potentiometry, spectrophotometry, and chromatography. May be taught concurrently with CHM 603. Cannot receive credit for both CHM 503 and CHM 603.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	3	Fall

CHM 504 Fundamentals of Physical Chemistry

Prerequisite: "C-" or better in CHM 170; and "C-" or better in CHM 201 or CHM 342; and "C-" or better in MTH 261 or MTH 287; and "C-" or better in PHY 123 or PHY 203.

A one semester introduction to physical chemistry including the following topics: thermodynamics, chemical equilibrium, chemical kinetics, atomic and molecular structure, and spectroscopy. Cannot count toward a Chemistry major or minor if the student passes CHM 506. May be taught concurrently with CHM 604. Cannot receive credit for both CHM 604 and CHM 504.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CHM 505 Fundamentals of Physical Chemistry Laboratory

Prerequisite: "C-" or better in CHM 302; and in CHM 201 or CHM 342; and CHM 504 or concurrent enrollment.

Experiments in physical chemistry employing principles and techniques reflecting materials presented in CHM 504. May be taught concurrently with CHM 605. Cannot receive credit for both CHM 605 and CHM 505.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	3	Spring

CHM 506 Physical Chemistry I

Prerequisite: "C-" or better in CHM 170; and MTH 280 or MTH 288 or concurrent enrollment in MTH 280 or MTH 288.

Recommended Prerequisite: MTH 302; and PHY 124 or PHY 204. First semester of a two-semester series covering aspects of quantum mechanics, classical and statistical thermodynamics, spectroscopy, kinetic theory of gases, and chemical kinetics. A grade of "C-" or better is required in this course in order to take CHM 507. Cannot be taken Pass/Not Pass. May be taught concurrently with CHM 606. Cannot receive credit for both CHM 606 and CHM 506.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CHM 507 Physical Chemistry II

Prerequisite: "C-" grade or better in CHM 506.

Recommended Prerequisite: CHM 375. Second semester of a two-semester series that builds upon and completes the topics introduced in CHM 506. May be taught concurrently with CHM 607. Cannot receive credit for both CHM 607 and CHM 507.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CHM 508 Physical Chemistry Laboratory I

Prerequisite: "C-" or better in CHM 302; and "C-" or better in CHM 506 or CHM 606 or concurrent enrollment in CHM 506 or CHM 606.

Experiments in physical chemistry employing principles and techniques reflecting material presented in CHM 506. May be taught concurrently with CHM 608. Cannot receive credit for both CHM 608 and CHM 508.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall

CHM 509 Physical Chemistry Laboratory II

Prerequisite: CHM 507 or CHM 607 or concurrent enrollment; and CHM 508 or CHM 608.

Experiments in physical chemistry employing principles and techniques reflecting material presented in CHM 507. May be taught concurrently with CHM 609. Cannot receive credit for both CHM 609 and CHM 509.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Spring

CHM 514 Polymer Chemistry

Prerequisite: "C-" or better in CHM 343; and "C-" or better in CHM 505 or CHM 605 or CHM 506 or CHM 606.

Morphology and chemical structure, polymer characterization, chemical structure and polymer properties, vinyl and non-vinyl polymers and mechanism of formation. Inorganic and partially inorganic polymers. May be taught concurrently with CHM 614. Cannot receive credit for

mechanism of formation. Inorganic and partially inorganic polymers. May be taught concurrently with CHM 514. Cannot receive credit for both CHM 614 and CHM 514.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

CHM 542 Advanced Organic Chemistry

Prerequisite: "C-" grade or better in CHM 343.

Advanced discussion of structure, reaction mechanisms, stereochemistry and other topics of theoretical nature in organic chemistry. Polar, free-radical, pericyclic, and organometallic reactions beyond Organic Chemistry I and II will be discussed. May be taught concurrently with CHM 642. Cannot receive credit for both CHM 542 and CHM 642.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CHM 554 Biochemistry I

Prerequisite: "C-" or better in CHM 343.

Recommended Prerequisite: BIO 121 or BMS 110 and 111. Structure and function of biomolecules: proteins, enzymes, nucleic acids, carbohydrates, lipids and membranes. CHM 352 and 554 cannot both be applied toward a chemistry major or minor. May be taught concurrently with CHM 654. Cannot receive credit for both CHM 554 and CHM 654.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Upon demand

CHM 555 Biochemistry Laboratory I

Prerequisite: CHM 554 or concurrent enrollment.

A series of multidimensional biochemical experiments designed to explore the biochemical literature, scientific report writing, and the biochemical techniques used to isolate and study biomolecules. CHM 353 and 555 cannot both be applied toward a chemistry major or minor. May be taught concurrently with CHM 655. Cannot receive credit for both CHM 555 and CHM 655.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Upon demand

CHM 556 Biochemistry II

Prerequisite: "C-" or better in CHM 554.

Bioenergetics--Metabolism of biomolecules including carbohydrates, lipids, amino acids and nucleotides. Photosynthesis. Nitrogen metabolism. Mechanisms of hormone action. May be taught concurrently with CHM 656. Cannot receive credit for both CHM 556 and CHM 656.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring, Upon demand

CHM 557 Biochemistry Laboratory II

Prerequisite: CHM 555; and CHM 556 or concurrent enrollment.

Emphasis on modern techniques in the biochemistry laboratory; enzymology, protein purification and analysis; protein structure determination; isoelectric focusing; HPLC; trace techniques. May be taught concurrently with CHM 657. Cannot receive credit for both CHM 557 and CHM 657.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Upon demand

CHM 575 Advanced Inorganic Chemistry

Prerequisite: "C-" or better in CHM 375.

Theories and techniques of modern inorganic chemistry; correlation of theories with inorganic compounds. May be taught concurrently with CHM 675. Cannot receive credit for both CHM 575 and CHM 675.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CHM 597 Special Topics in Chemistry

Prerequisite: 18 hours of chemistry.

Selected topics of a theoretical or applied nature. May be repeated to a maximum of six hours with differing topics. May be taught concurrently with CHM 697. Cannot receive credit for both CHM 697 and CHM 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CHM 602 Instrumental Analysis

Prerequisite: "C-" or better in CHM 201 or CHM 342; and "C-" or better in CHM 302.

Recommended Prerequisite: PHY 124 or PHY 204. Applications of instrumental methods for the separation and analysis of materials; included are potentiometry, photometry and chromatography. May be taught concurrently with CHM 502. Cannot receive credit for both CHM 502 and CHM 602.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CHM 603 Instrumental Analysis Laboratory

Prerequisite: Prerequisite: "C-" or better in CHM 302; and "C-" or better in CHM 502 or CHM 602 or concurrent enrollment.

A laboratory course emphasizing applications of instrumental methods for the separation and analysis of materials. The course is designed to reflect and supplement the scope of CHM 602. Included are laboratory exercises in potentiometry, spectrophotometry, and chromatography. May be taught concurrently with CHM 503. Cannot receive credit for both CHM 503 and CHM 603.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	3	Fall

CHM 604 Fundamentals of Physical Chemistry

Prerequisite: permission.

A one semester introduction to physical chemistry including the following topics: thermodynamics, chemical equilibrium, chemical kinetics, atomic and molecular structure, and spectroscopy. Cannot count toward the BS or MS degrees in Chemistry. May be taught concurrently with CHM 504. Cannot receive credit for both CHM 504 and CHM 604.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CHM 605 Fundamentals of Physical Chemistry Laboratory

Prerequisite: CHM 504 or CHM 604 or concurrent enrollment.

Experiments in physical chemistry employing principles and techniques reflecting materials presented in CHM 604. May be taught concurrently with CHM 505. Cannot receive credit for both CHM 605 and CHM 505.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	3	Spring

CHM 606 Physical Chemistry I

Prerequisite: "C-" or better in CHM 170; and MTH 280 or MTH 288 or concurrent enrollment in MTH 280 or MTH 288.

Recommended Prerequisite: MTH 302; and PHY 124 or PHY 204. First semester of a two-semester series covering aspects of quantum mechanics, classical and statistical thermodynamics, spectroscopy, kinetic theory of gases, and chemical kinetics. A grade of "C-" or better is required in this course in order to take CHM 607. May be taught concurrently with CHM 506. Cannot receive credit for both CHM 606 and CHM 506.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CHM 607 Physical Chemistry II

Prerequisite: "C-" grade or better in CHM 506 or 606.

Recommended Prerequisite: CHM 375. Second semester of a two-semester series that builds upon and completes the topics introduced in CHM 606. May be taught concurrently with CHM 507. Cannot receive credit for both CHM 607 and CHM 507.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CHM 608 Physical Chemistry Laboratory I

Prerequisite: "C-" or better in CHM 302; and "C-" or better in CHM 506 or CHM 606 or concurrent enrollment in CHM 506 or CHM 606.

Experiments in physical chemistry employing principles and techniques reflecting material presented in CHM 506 or 606. May be taught concurrently with CHM 508. Cannot receive credit for both CHM 608 and CHM 508.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall

CHM 609 Physical Chemistry Laboratory II

Prerequisite: CHM 507 or CHM 607 or concurrent enrollment; and CHM 508 or CHM 608.

Experiments in physical chemistry employing principles and techniques reflecting material presented in CHM 507 or 607. May be taught concurrently with CHM 509. Cannot receive credit for both CHM 609 and CHM 509.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Spring

CHM 614 Polymer Chemistry

Prerequisite: "C-" or better in CHM 343; and CHM 505 or CHM 605 or CHM 506 or CHM 606.

Morphology and chemical structure, polymer characterization, chemical structure and polymer properties, vinyl and non-vinyl polymers and mechanism of formation. Inorganic and partially inorganic polymers. May be taught concurrently with CHM 514. Cannot receive credit for both CHM 514 and CHM 614.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

CHM 635 Investigations in Chemistry for Teachers

Prerequisite: coursework sufficient to meet Missouri certification standards for secondary/middle school science teaching.

Techniques in performing science investigation with application to secondary and middle school science. May be taught concurrently with

CHM 435. Cannot receive credit for both CHM 435 and CHM 635.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring (odd-numbered years)

CHM 642 Advanced Organic Chemistry

Prerequisite: "C-" grade or better in CHM 343.

Advanced discussion of structure, reaction mechanisms, stereochemistry and other topics of theoretical nature in organic chemistry. Polar, free-radical, pericyclic, and organometallic reactions beyond Organic Chemistry I and II will be discussed. May be taught concurrently with CHM 542. Cannot receive credit for both CHM 542 and CHM 642.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CHM 654 Biochemistry I

Prerequisite: "C-" or better in CHM 343.

Recommended Prerequisite: BIO 121 or BMS 110 and 111. Structure and function of biomolecules: proteins, enzymes, nucleic acids, carbohydrates, lipids and membranes. May be taught concurrently with CHM 554. Cannot receive credit for both CHM 554 and CHM 654.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Upon demand

CHM 655 Biochemistry Laboratory I

Prerequisite: CHM 554 or CHM 654 or concurrent enrollment.

A series of multidimensional biochemical experiments designed to explore the biochemical literature, scientific report writing, and the biochemical techniques used to isolate and study biomolecules. May be taught concurrently with CHM 555. Cannot receive credit for both CHM 555 and CHM 655.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Fall, Upon demand

CHM 656 Biochemistry II

Prerequisite: "C-" or better in CHM 554 or CHM 654.

Bioenergetics--Metabolism of biomolecules including carbohydrates, lipids, amino acids and nucleotides. Photosynthesis. Nitrogen metabolism. Mechanisms of hormone action. May be taught concurrently with CHM 556. Cannot receive credit for both CHM 556 and CHM 656.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Spring, Upon demand

CHM 657 Biochemistry Laboratory II

Prerequisite: CHM 555 or CHM 655; and CHM 556 or CHM 656 or concurrent enrollment.

Emphasis on modern techniques in the biochemistry laboratory; enzymology, protein purification and analysis; protein structure determination; isoelectric focusing; HPLC; trace techniques. May be taught concurrently with CHM 557. Cannot receive credit for both CHM 557 and CHM 657.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Upon demand

CHM 660 Chemistry of Environmental Systems: Water and Land

Recommended Prerequisite: some advanced coursework in chemistry, geosciences, biology, or related fields. Chemistry of water and soil, water treatment, agricultural chemistry, and related topics. May be taught concurrently with CHM 460. Cannot receive credit for both CHM 460 and CHM 660.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CHM 661 Chemistry of Environmental Systems: Air and Energy

Recommended Prerequisite: some advanced coursework in chemistry, geosciences, biology, or related fields. Atmospheric chemistry; pollution issues related to power production and transportation; energy sources and fuels. May be taught concurrently with CHM 461. Cannot receive credit for both CHM 661 and CHM 461.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CHM 662 Chemistry of Environmental Systems Laboratory

Prerequisite: CHM 660 or concurrent enrollment.

Techniques and procedures for environmental monitoring to test natural samples. Applications and limitations of wet chemical and instrumental methods such as atomic absorption, gas chromatography, and absorption spectrophotometry. May be taught concurrently with CHM 462. Cannot receive credit for both CHM 462 and CHM 662.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Spring

CHM 675 Advanced Inorganic Chemistry

Prerequisite: "C-" or better in CHM 375.

Theories and techniques of modern inorganic chemistry; correlation of theories with inorganic compounds. May be taught concurrently with CHM 575. Cannot receive credit for both CHM 575 and CHM 675.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CHM 696 Chemistry Careers

Students will develop a familiarity with campus resources for finding employment and/or further educational training upon graduation. Emphasis will be given to writing scientific resumes and cover letters, familiarization with job-hunting resources and professional ethics, and researching chemistry careers, employers, and graduate schools. Outside speakers from chemistry-related employers and graduate programs will be invited, and interaction with the Career Center will be required. May be taught concurrently with CHM 498. Cannot receive credit for both CHM 696 and CHM 498.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

CHM 697 Special Topics in Chemistry

Prerequisite: 18 hours of chemistry.

Selected topics of a theoretical or applied nature. May be repeated to a maximum of six hours with differing topics. May be taught concurrently with CHM 597. Cannot receive credit for both CHM 597 and CHM 697.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CHM 700 Chemistry Colloquium

Prerequisite: permission of department head.

A series of oral presentations on new developments in chemistry. Presentations to be made by faculty members, students, and guest speakers from industry and academe. One of the requirements of this course is an oral presentation. May be repeated, but not more than two hours may be counted toward the 32-hour requirement for the MS in Chemistry degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

CHM 701 Chemistry Seminar

Attendance at oral presentations on new developments in chemistry. Presentations may include those made by departmental faculty members, departmental graduate students, guest speakers from industry and academe and ACS tour speakers. All graduate students not enrolled in CHM 700 must be enrolled in CHM 701. Hours earned will not count toward the 32-hour requirement for the MS in Chemistry degree. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

CHM 702 Advanced Topics in Analytical Chemistry

Prerequisite: CHM 602.

An advanced topic in analytical chemistry will be addressed via faculty lectures and student projects. Examples of proposed topics include: electroanalytical methods, nanotechnology, forensic chemistry and data acquisition methods. Variable content course. May be repeated to a maximum of six hours with differing topics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CHM 710 Special Topics in Chemical Education

Prerequisite: coursework sufficient to meet Missouri certification standards in chemistry for secondary teaching or permission.

A single topic of current interest in the teaching of chemistry will be considered. May be repeated to a maximum of nine hours with differing topics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CHM 720 Topics in Theoretical Chemistry

Prerequisite: coursework sufficient to meet Missouri certification standards in chemistry for secondary teaching or permission.

Nature of matter including atomic structure, chemical bonding and spectroscopy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CHM 735 Investigation in Chemistry for Teachers

Prerequisite: CHM 635 or concurrent enrollment; coursework sufficient to meet Missouri certification standards for secondary/middle school science teaching.

Techniques in performing science investigation with application to secondary and middle school science.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

CHM 742 Physical Organic Chemistry

Prerequisite: CHM 642.

An in-depth study of the experimental techniques and physical principles used for the determination of organic reaction mechanisms.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CHM 752 Advanced Topics in Biochemistry

Prerequisite: CHM 656.

An advanced topic in biochemistry will be addressed via faculty lectures and student projects. Examples of proposed topics include: carbohydrates, the cell surface, and physical biochemistry. Variable content course. May be repeated to a maximum of six hours with differing topics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CHM 770 Chemical Kinetics

Prerequisite: CHM 606.

Fundamental concepts of chemical kinetics and dynamics, from both macroscopic and molecular level perspectives. An emphasis will be placed on the interpretation of gas, liquid, surface and catalyst reaction kinetics and mechanisms.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CHM 771 Chemical Bonding

Prerequisite: CHM 607.

Quantum mechanics; atomic and molecular structure; computational procedures. Independent study project required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CHM 775 Organometallic Chemistry

Prerequisite: CHM 675.

An in-depth examination of the structure, properties, and reactions of molecules containing one or more metal atoms bonded to organic fragments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CHM 790 Advanced Topics in Chemistry

Detailed treatment of various advanced topics in chemistry. Variable content course. May be repeated with differing topics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CHM 791 Preparation for Graduate Study in Chemistry

Prerequisite: admission to graduate program in Chemistry.

Orientation to graduate study in chemistry, including laboratory safety, scientific dissemination, and design of a research project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

CHM 792 Degree Paper in Chemistry

Prerequisite: 4 or more hours of CHM 798 and departmental permission.

Written research paper on a selected topic to be read and evaluated by an advisory committee and presented orally before a public audience. Exclusively satisfies requirements for non-thesis option.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CHM 793 Research Paper in Chemistry

Prerequisite: departmental permission.

Extensive paper on a selected topic to be read and evaluated by a faculty committee. Exclusively used to satisfy requirements for non-thesis option. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CHM 796 Science Internship

Completion of an internship project (80 hours/credit hour) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

CHM 798 Research

Supervised research in special chemistry areas. May be repeated, but not more than six hours may be counted toward the 32-hour requirement for the MS degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

CHM 799 Thesis

Independent research and study connected with preparation of thesis. Not more than 6 hours of CHM 799 may be counted toward the 32-hour requirement for the MS degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Chemistry

Major(s)

Chemistry (Non-Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements
1. CHM 160(4), 161(1), 170(3), 171(1), 302(5), 342(3), 343(3), 345(2), 375(3), 398(1)*, 445(2), 492(0), 498(1)*, 502(3), 503(1); CHM 504(3) and 505(1); or CHM 506(3) and 507(3) and 508(2); and one hour from CHM 397* or 399*,**
2. Chemistry electives from one of the following categories:
   a. For a basic chemistry program without a specific area of emphasis, at least eight hours from CHM 352(3), 376(2), 399*,** or 499(1-3)*, 460(3) or 461(3), 509(2)
   b. For students with a strong interest in environmental chemistry: CHM 460(3), 461(3), 462(2)
   c. For students with a strong interest in biochemistry or health careers: CHM 554(3), 555(2), 556(3)
   d. For students with a strong interest in education: CHM 352(3), 435(1), 460(3), 462(2). Students interested in pursuing certification for high school science teaching should declare a Foundation of Interdisciplinary Science minor.
   e. For a specific area of interest not included in categories a, b, c, or d: at least nine hours of chemistry courses numbered greater than 300 selected in consultation with the student's academic advisor and approved by the department head.
3. Public Affairs Capstone Experience will be fulfilled by completion of CHM 398 and 498(2); and CHM 397 or 399 or 499(1)
4. Related science and mathematics requirements:
   a. MTH 261*** and 280(10) or MTH 261*** and 288(8) or MTH 287 and 288(6)
   b. PHY 123*** and 124(8) or PHY 203*** and 204(10)

Will also count toward the Public Affairs Capstone Experience requirement
***If using CHM399 to fulfill B.1. and B.2.a.: Any hours of CHM399 used to fulfill B.2.a. are in addition to B.1.*
****Will also count toward General Education requirements*

C. Minor Required (or second major)
D. General Baccalaureate Degree Requirements

Chemistry (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements
1. CHM 160(4), 161(1), 170(3), 171(1), 302(5), 342(3), 343(3), 345(2), 375(3), 398(1)*, 445(2), 492(0), 498(1)*, 502(3), 503(1), 506(3), 507(3), 508(2), 554(3), 575(3)
2. Related science and mathematics requirements:
   a. MTH 287 and 288(6) or MTH 261** and 280(10) or MTH 261** and 288(8)
   b. PHY 123** and 124(8) or PHY 203** and 204(10)
   c. Recommended: CSC 111(3)
3. Public Affairs Capstone Experience will be fulfilled by completion of CHM 398 and 498(2); and CHM 397 or 399 or 499(1)
4. Complete requirements in one of the following options:

a. **Biochemistry:** This option is designed for students preparing for graduate study and/or careers in biochemistry.
   1. CHM 399(1-3)* or 499(1-3)*
   2. CHM 555(2), 556(3), 557(2)
   3. BIO 121(4)**, 235(3), 236(1), 320(4)
   4. Recommended: BIO 312(3) and 313(2)

b. **Graduate School/Industrial:** This option is designed for students preparing for graduate study in chemistry and/or industrial positions.
   1. CHM 376(2) and 509(2)
   2. Select one course from: CHM 514(3), 542(3), 556(3)
   3. Select two hours from CHM 397(2)*, 399(1-2)*, 499(1)*

**Will also count toward Public Affairs Capstone Experience requirement*

***Will also count toward General Education requirements*

C. General Baccalaureate Degree Requirements

Minor(s)

Chemistry

Bachelor of Arts

Bachelor of Science

A. CHM 160(4), 161(1), 170(3), 171(1); CHM 201(3) and 202(2) or CHM 342(3) and 345(2)
B. Select an emphasis area from the options below:
   a. Analytical: CHM 302(5)
   b. Biochemistry: CHM 352(3) and 353(2); or CHM 554(3) and 555(2)
   c. Environmental: CHM 460(3) and 461(3)
   d. Inorganic: CHM 375(3) and 376(2)
   e. Organic: CHM 343(3); and CHM 514(3) or 542(3)
   f. Physical: CHM 506(3); and CHM 507(3) or 508(2)
   g. Pre-health: CHM 343(3); and CHM 352(3) or 554(3)
   h. Student Option: Select at least 8 hours in CHM courses numbered 302 or higher.

Accelerated graduate program in Chemistry

Eligible Missouri State undergraduate students may apply for admission to the Chemistry program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Plant Science

Eligible Missouri State undergraduate students may apply for admission to the Plant Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate certificate in Science Content

Eligible Missouri State undergraduate students may apply for admission to the Science Content certificate program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate certificate (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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https://www.missouristate.edu/registrar/catalog/prog-chemistry.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Foundations of Interdisciplinary Science

Minor(s)

Foundations of Interdisciplinary Science

Bachelor of Science

This minor is designed for students preparing to enter post-graduate studies to become a high school science teacher. This minor does not include courses in teacher education that are required by the state of Missouri for certification as a teacher. Certification requirements can be met through postbaccalaureate programs or masters programs.

1. Foundational biology competencies: BIO 121(4)* and 122(4)
2. Foundational chemistry competencies: CHM 160(4), 161(1), 170(3), and 171(1)
3. Foundational geography and geology competencies: GLG 110(4)* and GRY 135(4)*
4. Foundational physics and astronomy competencies: PHY 123(4)* or 203(5)* and PHY 124(4) or 204(5). Those seeking earth science certification must additionally complete AST 115(4)
5. Intellectual Foundations of Science and Technology: SCI 505(3)

*In the Natural World area of General Education, BIO 121 will satisfy Life Sciences requirement while GLG 110, GRY 135, PHY 123, or PHY 203 will satisfy the Physical Sciences requirement. Some additional courses on the list may already be part of major degree requirements.

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https://www.missouristate.edu/registrar/catalog/prog-foundations-of-interdisciplinary-science.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Foundations of Pharmaceutical Science Certificate

Foundations of Pharmaceutical Science

This certificate is jointly offered by the Department of Chemistry, Department of Biology, and Department of Biomedical Science and provides students with broad exposure to foundational courses in the sciences required for pursuit of a Doctor of Pharmacy or a career in pharmaceutical science.

This certificate is administered by the Department of Chemistry.

Admission requirement

To be admitted students must have declared Pre-Pharmacy as a pre-professional area of interest.

Program requirements (16-18 hours)

A. BIO 312(3) and 313(2); BMS 307(4); CHM 170(3) and CHM 171(1)
B. Complete requirements in one of the following areas of emphasis:
   1. Biology: BIO 320(4) or BIO 361(4) or BIO 511(4)
   2. Biomedical Science: BMS 308(4) or BMS 321(4) or BMS 442(3)
   3. Chemistry: CHM 342(3) and 345(2)
C. All candidates must satisfy the General University Certificate Requirements.

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https://www.missouristate.edu/registrar/catalog/cert-foundations-of-pharmaceutical.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Computer Science

Programs

Indicates accelerated graduate program is available

Undergraduate

Computer Science (BS, Minor) *Options: Computer Science; Software Development*

Informatics (Minor)

Web Programming (Certificate)

Graduate

Computer Science (MS)

Data Science (Certificate)

Natural and Applied Science with emphasis in Computer Science (MNAS)

Accreditation

The BS in Computer Science-Computer Science option is accredited by the Computing Accreditation Commission of ABET http://www.abet.org/.

Contact

Department head

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https://www.missouristate.edu/registrar/catalog/dept_cs.html

Missouri State

Office of the Registrar
Undergraduate Catalog

Computer Science Faculty

Professors

Ajay K. Katangur, PhD

Hui Liu, PhD

Jamil M. Saquer, PhD

Lloyd A. Smith, PhD

Yang Wang, PhD

Emeritus faculty

Melvin V. Foster, PhD

Richard A. Martin, EdD

Edward H. Matthews, PhD

Michael W. Scroggins, MBA

Kenneth R. Vollmar, PhD

Assistant professors

Anthony J. Clark, PhD

Razib Iqbal, PhD

Siming Liu, PhD

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Missouri State

Computer Science Courses

Computer Science (CSC) courses

CSC 111 Introduction to Computing

Prerequisite: eligible for MTH 261.

An introduction to computer hardware, software, and network resources. Spreadsheets and computer-based mathematical software will be emphasized. Students will write programs and create computational models to analyze data and make written and oral presentations describing conclusions drawn from their analyses.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSC 121 Introduction to BASIC Programming

Problem solving with computers, analysis of computational problems and development of algorithms for their solution. Algorithms will be implemented in the BASIC language utilizing personal computers.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSC 125 Introduction to C++ Programming

Programming and problem-solving using C++. Language constructs for assignment, flow control, input/output and functions are studied and applied. Techniques of object-oriented programming are introduced.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall

CSC 130 The World of Computer Science

A broad overview of computer science, with topics ranging from the basic structure of a computer to artificial intelligence. Students will use a high-level language to investigate and implement solutions to problems in a range of fields. Suitable for non-majors who want to learn more about computer science.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSC 131 Computational Thinking

Prerequisite: "C" or better in CSC 130 and eligible for MTH 261.

Solving problems using computation and implementing solutions in a high-level programming language. Introduction to problem analysis, solution design, data structures, and algorithms.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

CSC 197 Introductory Topics in Computer Science

Variable content course with topics that can change from semester to semester. Topics will be identified by title in the schedule of classes. The course may be repeated if a different topic is offered, however, no more than six credits may count toward any degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CSC 210 Public Affairs Issues in Computing

Prerequisite: 12 hours.

General Education Course (Focus on Public Issues).

An introduction to public affairs issues in computing. Topics include civic applications, public sources of data, data and computer system security, opportunities and dangers of artificial intelligence and data mining, social media and computer mediated collaboration, and cultural factors in the internationalization of software. Student will design a civic application or system intended to serve the public good.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSC 226 Special Languages

Study of computer languages and their use in particular application domains.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSC 232 Data Structures

Prerequisite: "C" or better in CSC 131; and MTH 261 or MTH 314 or MTH 315 or concurrent enrollment.

A continuation of CSC 131. Topics will include: algorithm design; complexity analysis; abstract data types and encapsulation; basic data structures and their application, including stacks, queues, linked lists and binary trees; dynamic memory allocation; recursion; sorting and searching; debugging techniques.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

CSC 300 Service Learning in Computer Science

Prerequisite: 30 hours and concurrent registration in a Computer Science course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in Computer Science to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

CSC 301 Introduction to Video Game Design

Prerequisite: 30 hours; and eligible for Writing II; and permission of instructor.

An introduction to the main elements of video game design (including setting, story, goals, narrative, mechanics, and level design) and the structure and responsibilities of a game development team. The emphasis will be on game designs that could be implemented by a small team within one year. Students will design a game and create a design document. Does not count towards a Computer Science major. Identical with ART 301. Cannot receive credit for both CSC 301 and ART 301.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

CSC 303 Introductory Video Game Development for Designers and Programmers

Prerequisite: ART/CSC 301; and either CSC 232 or MED 290.

Hands-on introduction to video game development software, emphasizing level design, placement of art assets, lighting, and scripting. Students may collaborate with ART 302 students to experience industry-typical workflow between designers, artists and programmers. Does not count towards a Computer Science major.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

CSC 325 Algorithms and Advanced Data Structures

Prerequisite: "C" or better in CSC 232; and either MTH 314 or MTH 315.

This course should be taken as soon as possible after CSC 232. Algorithms and advanced data structures, including graphs, heaps, self-adjusting data structures, set representations and dynamic programming. Sample applications, including memory management and data compression. Introduction to NP-complete problems. Correctness proofs and efficiency analysis are stressed. May be taught concurrently with CSC 611. Cannot receive credit for both CSC 611 and CSC 325.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSC 333 Languages and Machines

Prerequisite: "C" or better in CSC 232; and CSC 344 or concurrent enrollment; and either MTH 314 or MTH 315.

A study of two classes of languages: formal languages (regular, context-free, and computable) and their associated machines (finite automata, pushdown automata, and Turing machines); and programming languages, including the essential features of imperative, functional, object-oriented, and logic programming languages, together with their design and implementation on modern computers and virtual machines.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

CSC 335 Database System Concepts

Prerequisite: "C" or better in CSC 121 or CSC 125 or CSC 131.

A study of modern database systems and their underlying concepts. Core topics include the relational model, SQL, database design theory, query processing, file structures, transactions, and concurrency. Programming projects provide practical experience in developing GUI database applications. Public Affairs Capstone Experience course. May be taught concurrently with CSC 612. Cannot receive credit for both CSC 612 and CSC 335.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSC 338 Parallel and Distributed Computing

Prerequisite: "C" or better in CSC 232; and CSC 344 or concurrent enrollment.

Introduction to parallel and distributed computing through algorithms, strategies for problem decomposition, system architecture, implementation strategies, and performance analysis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

CSC 344 Computer Systems Fundamentals

Prerequisite CSC 232. An integrated introduction to computer systems fundamentals. Topics include computer architecture and major components, operating system concepts and implementation techniques (processes, threads, memory management, and distributed systems), and network theory, concepts and techniques. May be taught concurrently with CSC 613. Cannot receive credit for both CSC 613 and CSC 344.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSC 365 Internet Programming

Prerequisite: "C" or better in CSC 121 or CSC 125 or CSC 131.

An introduction to paradigms and languages used in internet and World Wide Web programming. These include modern tools for client-side and server-side programming and dynamic Web page generation. Advanced topics, such as security and XML, will be covered as time allows. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSC 388 Introduction to Secure Computing

Prerequisite: CSC 232.

This course will provide an introduction to the general principles of secure computing and computer security. Students will learn about common threat types and cyber attacks including malware, denial-of-service, spoofing, and phishing as well as fundamental building blocks of secure computing systems such as authentication, encryption, and digital signatures. This course will also cover selective topics in computer forensics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

CSC 399 Cooperative Education in Computer Science

Prerequisite: permission of department head.

The opportunity to earn academic credit in a planned learning process that integrates academic training with a supervised work experience. This is a variable content course that may be repeated to a total of 6 semester hours. Does not count toward any Computer Science minor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

CSC 421 Numerical Analysis I

Prerequisite: MTH 280.

Recommended: CSC 125 or CSC 131. Solution of systems of linear and nonlinear equations, interpolation, integration, approximation, matrix computations. Problem solution will include the use of software. Identical with MTH 421. Cannot receive credit for both CSC 421 and MTH 421.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSC 422 Numerical Analysis II

Prerequisite: MTH 303 and MTH 421.

Solution of initial and boundary value problems in ordinary and partial differential equations, simulation, and optimization. Problem solution will include the use of software. Identical with MTH 422. Cannot receive credit for both CSC 422 and MTH 422.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSC 423 Digital Simulation

Prerequisite: CSC 232 and either MTH 345 or MTH 540.

The study of simulation techniques. Topics will include: probability distributions, statistical testing, random number generators, design of simulation experiments, language structures for simulation, and study of a simulation language.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSC 450 Introduction to Software Engineering

Prerequisite: CSC 344.

Principles, techniques and tools used to effect the orderly production of medium and large scale computer programs will be studied. These techniques will be applied to programming projects with students working in teams and managing all phases of a programming project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	4	0	Fall

CSC 455 Software Quality Assurance and Project Management

Prerequisite: CSC 232.

A broad coverage of software quality and testing including quality assurance, inspections and reviews, software validation and verification,

various testing techniques, and related tools. Other topics are essential software project planning steps, cost estimation, productivity metrics, release and configuration management concepts. May be taught concurrently with CSC 655. Cannot receive credit for both CSC 455 and CSC 655.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSC 482 Seminar in Computer Science

Prerequisite: 60 hours.

Current trends and ethics in computer science with consideration given to future opportunities in the field. A written report and successful completion of the computer science assessment test will be required. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

CSC 500 Hardware, Software, and Troubleshooting Personal Computers

An introduction to the installation, maintenance, troubleshooting, upgrading, simple repair, and management of personal computers found in educational settings. This course will provide numerous laboratory experiences providing hands-on experience with the goal of enabling students to support personal computer laboratories found in PK-12 schools. This course cannot be taken for credit toward a computer science major or minor. May be taught concurrently with CSC 600. Cannot receive credit for both CSC 600 and CSC 500.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

CSC 505 Web-Based Resources in Educational Settings

An introduction to the design, implementation, and management of World Wide Web resources over the internet and intranet networks. Topics include Internet overview, web authoring, web programming, server setting and maintenance. The objective of the course is to know tools (HTML, JavaScript, and Java applets, and Internet Server software, and Navigator/Internet Explorer software packages), and their applicability in WWW design and management in PK-12 school settings. This course cannot be taken for credit toward a computer science major or minor. May be taught concurrently with CSC 605. Cannot receive credit for both CSC 605 and CSC 505.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

CSC 510 Networking and Telecommunications in Educational Settings

An introduction to networking and data communications from an educator's perspective. The course will examine the necessary computer hardware, software, and personnel resources relevant to networking and data communication requirements in various educational settings. Local Area Networks, Wide Area Networks, Network Interconnections, and the internet will be addressed. This course cannot be taken for

credit toward a computer science major or minor. May be taught concurrently with CSC 610. Cannot receive credit for both CSC 610 and CSC 510.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

CSC 515 Advanced Internet Programming

Prerequisite: CSC 365.

A continuation of CSC 365. Topics include HTML as a semantic language, advanced CSS techniques, the DOM event model, asynchronous JavaScript, user input validation, utilizing 3rd party APIs, authentication over HTTP and high performance site design (including request minification and compression). Security principles will be reinforced throughout the course. May be taught concurrently with CSC 615. Cannot receive credit for both CSC 515 and CSC 615.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSC 521 Compiler Construction

Prerequisite: CSC 333.

Topics include lexical analysis, parsing, symbol tables, type checking, run-time organization, code generation, basic code optimization, and the use of compiler development tools. The student must write a complete compiler for a small imperative programming language. May be taught concurrently with CSC 621. Cannot receive credit for both CSC 621 and CSC 521.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Upon demand

CSC 525 Computer Graphics

Prerequisite: CSC 232 and either MTH 314 or MTH 315.

Introduction to the hardware and software components of graphics systems. Development of algorithms for two-dimensional graphics including windowing, clipping, and transformations; algorithms for three dimensional graphics including viewing, transformations, and removal of hidden lines and surfaces. Data structures for graphics and interactive techniques will be stressed. May be taught concurrently with CSC 625. Cannot receive credit for both CSC 525 and CSC 625.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSC 526 Methods of Optimization

Prerequisite: CSC 421 or MTH 421; and MTH 533.

Convex sets, classical optimization of functions, constrained optimization, search techniques, linear and nonlinear optimization, applications

to applied problems. May be taught concurrently with CSC 626. Cannot receive credit for both CSC 626 and CSC 526.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSC 535 Data Mining

Prerequisite: CSC 232.

This course studies the emerging technology of data mining--the automated extraction of patterns and information from data. The focus will be on understanding the algorithms underlying data mining and on the practical use of those algorithms. Students will use data mining software to analyze collections of data. May be taught concurrently with CSC 635. Cannot receive credit for both CSC 535 and CSC 635.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSC 540 Introduction to Artificial Intelligence

Prerequisite: CSC 325.

Modern techniques for the implementation of goal-directed behavior in intelligent systems, including knowledge representation, search, perception, reasoning, and learning. May be taught concurrently with CSC 640. Cannot receive credit for both CSC 540 and CSC 640.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSC 545 Computer Speech, Music and Images

Prerequisite: CSC 232.

This is an applied course focusing on the technical aspects of computer-based multimedia-speech, music, audio, and video. In any given semester, the focus may be more on audio or image processing, or it may be equally balanced between the two. Topics include multimedia data capture and representation, methods of data compression, multimedia information retrieval, and multimedia standards. May be taught concurrently with CSC 645. Cannot receive credit for both CSC 545 and CSC 645.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSC 565 Computer Networks

Prerequisite: CSC 232.

An introduction to the theory, concepts and techniques upon which modern computer networks and telecommunication systems are based. The emphasis will be on layered network architectures, the design frameworks for both local and wide area networks and communication protocols. May be taught concurrently with CSC 665. Cannot receive credit for both CSC 565 and CSC 665.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSC 567 Mobile Computing Applications

Prerequisite: CSC 232.

An introduction to the design, development, and publication of software applications for mobile devices. Course topics will include design and creation of basic and advanced applications, use of an integrated development environment, performance and security issues, and application packaging and distribution mechanisms. May be taught concurrently with CSC 667. Cannot receive credit or both CSC 567 and CSC 667.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSC 587 Computing for Bioinformatics

Prerequisite: any one of CSC 121, CSC 125, CSC 131, CSC 232, BMS 231, BIO 235, or CHM 350.

This course focuses on computational techniques used in bioinformatics. Topics will include nucleotide and amino acid data representation, sequence alignment, coding sequence prediction, and use of statistical models. Students will learn to use bioinformatics libraries with a script language such as Python or Perl. May be taught concurrently with CSC 687. Cannot receive credit for both CSC 587 and CSC 687.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSC 590 Advanced Topics in Computer Science

Prerequisite: CSC 232.

Variable content course with advanced topics that can change from semester to semester. Topics may be identified by title in the schedule of classes. May be repeated if a different topic is offered, however, no more than six credits may count toward any degree. May be taught concurrently with CSC 690. Cannot receive credit for both CSC 590 and CSC 690.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

CSC 596 Special Readings

Prerequisite: permission of department head.

Periodic conferences with an advisor are required. May be repeated to a total of 6 hours. May be taught concurrently with CSC 696. Cannot receive credit for both CSC 696 and CSC 596.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

CSC 600 Hardware, Software, and Troubleshooting Personal Computers

An introduction to the installation, maintenance, troubleshooting, upgrading, simple repair, and management of personal computers found in educational settings. This course will provide numerous laboratory experiences providing hands-on experience with the goal of enabling students to support personal computer laboratories found in PK-12 schools. May be taught concurrently with CSC 500. Cannot receive credit for both CSC 500 and CSC 600.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

CSC 605 Web-Based Resources in Educational Settings

An introduction to the design, implementation, and management of World Wide Web resources over the internet and intranet networks. Topics include Internet overview, web authoring, web programming, server setting and maintenance. The objective of the course is to know tools (HTML, JavaScript, and Java applets, and Internet Server software, and Navigator/Internet Explorer software packages), and their applicability in WWW design and management in PK-12 school settings. May be taught concurrently with CSC 505. Cannot receive credit for both CSC 505 and CSC 605.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

CSC 610 Networking and Telecommunications in Educational Settings

An introduction to networking and data communications from an educator's perspective. The course will examine the necessary computer hardware, software, and personnel resources relevant to networking and data communication requirements in various educational settings. Local Area Networks, Wide Area Networks, Network Interconnections, and the internet will be addressed. May be taught concurrently with CSC 510. Cannot receive credit for both CSC 510 and CSC 610.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

CSC 611 Algorithms and Advanced Data Structures

Algorithms and advanced data structures, including graphs, heaps, self-adjusting data structures, set representations and dynamic programming. Sample applications, including memory management and data compression. Introduction to NP-complete problems. Correctness proofs and efficiency analysis are stressed. May be taught concurrently with CSC 325. Cannot receive credit for both CSC 611 and CSC 325.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Upon demand

CSC 612 Advanced Database System Concepts

A study of modern database systems and their underlying concepts. Core topics include the relational model, SQL, database design theory, query processing, file structures, transactions, and concurrency. Programming projects provide practical experience in developing GUI database applications. May be taught concurrently with CSC 335. Cannot receive credit for both CSC 612 and CSC 335.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSC 613 Computer Systems Fundamentals

An integrated introduction to computer systems fundamentals. Topics include computer architecture and major components, operating system concepts and implementation techniques (processes, threads, memory management, and distributed systems), and network theory, concepts and techniques. May be taught concurrently with CSC 344. Cannot receive credit for both CSC 613 and CSC 344.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

CSC 615 Advanced Internet Programming

Topics include HTML as a semantic language, advanced CSS techniques, the DOM event model, asynchronous JavaScript, user input validation, utilizing 3rd party APIs, authentication over HTTP and high performance site design (including request minification and compression). Security principles will be reinforced throughout the course. May be taught concurrently with CSC 515. Cannot receive credit for both CSC 615 and CSC 515.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSC 621 Compiler Construction

Topics include lexical analysis, parsing, symbol tables, type checking, run-time organization, code generation, basic code optimization, and the use of compiler development tools. The student must write a complete compiler for a small imperative programming language. May be taught concurrently with CSC 521. Cannot receive credit for both CSC 521 and CSC 621.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Upon demand

CSC 625 Computer Graphics

An introduction to computer graphics, with an emphasis on application programming. Algorithms for two dimensional graphics, including windowing, clipping, and transformations; algorithms for three dimensional graphics, including viewing, transformations, and removal of hidden lines and surfaces. Data structures for graphics and interactive techniques will be stressed. May be taught concurrently with CSC 525. Cannot receive credit for both CSC 625 and CSC 525.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSC 626 Methods of Optimization

Convex sets, classical optimization of functions, constrained optimization, search techniques, linear and nonlinear optimization, applications to applied problems. May be taught concurrently with CSC 526. Cannot receive credit for both CSC 526 and CSC 626.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSC 635 Data Mining

Recommended Prerequisite: equivalent of CSC 232. This course studies the emerging technology of data mining - the automated extraction of patterns and information from data. The focus will be on understanding the algorithms underlying data mining and on the practical use of those algorithms. Students will use data mining software to analyze collections of data. May be taught concurrently with CSC 535. Cannot receive credit for both CSC 635 and CSC 535.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSC 640 Introduction to Artificial Intelligence

Recommended Prerequisite: equivalent of CSC 325. Modern techniques for the implementation of goal-directed behavior in intelligent systems, including knowledge representation, search, perception, reasoning, and learning. May be taught concurrently with CSC 540. Cannot receive credit for both CSC 640 and CSC 540.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSC 645 Computer Speech, Music and Images

This is an applied course focusing on the technical aspects of computer-based multimedia-speech, music, audio, and video. In any given semester, the focus may be more on audio or image processing, or it may be equally balanced between the two. Topics include multimedia data capture and representation, methods of data compression, multimedia information retrieval, and multimedia standards. May be taught

data capture and representation, methods of data compression, multimedia information retrieval, and multimedia standards. May be taught concurrently with CSC 545. Cannot receive credit for both CSC 645 and CSC 545.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSC 655 Software Quality Assurance and Project Management

A broad coverage of software quality and testing including quality assurance, inspections and reviews, software validation and verification, various testing techniques, and related tools. Other topics are essential software project planning steps, cost estimation, productivity metrics, release and configuration management concepts. May be taught concurrently with CSC 455. Cannot receive credit for both CSC 655 and CSC 455.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSC 665 Computer Networks

An introduction to the theory, concepts and techniques upon which modern computer networks and telecommunication systems are based. The emphasis will be on layered network architectures, the design frameworks for both local and wide area networks and communication protocols. May be taught concurrently with CSC 565. Cannot receive credit for both CSC 665 and CSC 565.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSC 667 Mobile Computing Applications

An introduction to the design, development, and publication of software applications for mobile devices. Course topics will include design and creation of basic and advanced applications, use of an integrated development environment, performance and security issues, and application packaging and distribution mechanisms. May be taught concurrently with CSC 567. Cannot receive credit or both CSC 667 and CSC 567.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSC 687 Computing for Bioinformatics

This course focuses on computational techniques used in bioinformatics. Topics will include nucleotide and amino acid data representation, sequence alignment, coding sequence prediction, and use of statistical models. Students will learn to use bioinformatics libraries with a script language such as Python or Perl. May be taught concurrently with CSC 587. Cannot receive credit for both CSC 687 and CSC 587.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

CSC 690 Advanced Topics in Computer Science

Detailed consideration of advanced topics in the field of Computer Science. Topics will change, and this course may be repeated with differing topics. May be taught concurrently with CSC 590. Cannot receive credit for both CSC 690 and CSC 590.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

CSC 696 Special Readings

Prerequisite: permission of department head.

Periodic conferences with an advisor are required. May be repeated to a total of 6 hours. May be taught concurrently with CSC 596. Cannot receive credit for both CSC 596 and CSC 696.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

CSC 701 Seminar I

Computer Science literature and research methods. Students will read research literature in Computer Science and make presentations describing that research. Students will attend presentations by faculty, visitors, and other students. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

CSC 702 Seminar II

Prerequisite: CSC 701.

Continuation of CSC 701 with a focus on tools and methods for data analysis. Students will make oral presentations that report experimental results and will attend presentations by faculty, visitors, and other students. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Spring

CSC 735 Data Analytics

Study of tools, techniques and frameworks for extracting useful information from large data. Study of machine learning algorithms for data analytics. Visual display of results.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered (Typically offered years)

CSC 742 Evolutionary Computing

Principles and applications of programs inspired by biological principles. Genetic algorithms and their use in search and optimization. Problem representation, operators, and control. Artificial life and the use of evolutionary computation in robotics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSC 745 Advanced Multimedia Programming

Advanced aspects of computer-based multimedia. Topics may differ from semester to semester but will be chosen from computer vision, speech recognition, gesture recognition, image and audio signal processing, data visualization, and multimedia information retrieval.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSC 746 Human Computer Interaction

Research and practice in Human-Computer interaction (HCI). Impact of human perception and cognition on user interface design. Tools for building graphical user interfaces (GUIs) and multimodal user interfaces incorporating speech and gesture. Research methods.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

CSC 747 Multimedia Communications

This course introduces fundamental technologies for multimedia coding, processing, and communications. Emphasis will be given on content representation, delivery over a variety of networks, and various applications including compression, adaptation, and authentication.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

CSC 765 Ubiquitous Computing and Internet of Things

Prerequisite: CSC 665 or equivalent course or background approved by the instructor.

An introduction to some of the fundamental concepts and state-of-the-art research in the areas of ubiquitous computing (UbiComp). A significant portion of the course will cover the Internet of Things (IoT). Less emphasis will be given to the hardware and device level details. The major focus of this course is Internet Evolution and Wireless Technologies, Location Services in UbiComp, context-aware computing, privacy and security, wearable computing, mobile OS, IoT and data analytics, cloud computing. Students will learn to carry out research in UbiComp and IoT.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered
3	3	0	Spring

CSC 790 Graduate Topics in Computer Science

Variable content course with topics that can change from semester to semester. Topics may be identified by title in the class schedule. May be repeated if a different topic is offered.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

CSC 796 Science Internship

Completion of an internship project (480 hours) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

CSC 798 Research in Computer Science

Prerequisite: permission of department head.

Supervised research in computer science. May be repeated, but no more than 6 hours may count toward the Master of Natural and Applied Science degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Fall, Spring

CSC 799 Thesis

Prerequisite: permission of instructor.

Independent research and study connected with preparation of thesis. No more than 6 hours may count toward the Master of Natural and Applied Science degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Computer Science

Major(s)

Computer Science (Non-Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements
   1. CSC 130(3), 131(4), 232(4), 335(3), 338(2), 344(3), 365(3), 388(2), 450(4), 482(1)
   2. Select nine additional hours from CSC 300 and CSC courses numbered higher than 303, with no more than three hours in CSC 399 and no more than three hours in CSC 596.
   3. Related science requirements: select at least four hours from the following: BIO 121(4)*; BMS 110(3)* and BMS 111(1)*; CHM 116(4) and CHM 117(1); CHM 160(4) and CHM 161(1); GLG 110(4), GRY 135(4), GRY 142(4). Other science and mathematics courses may be acceptable with department approval.
   4. Public Affairs Capstone Experience will be fulfilled by completion of CSC 335(3), 365(3), and 482(1).
   5. Select one of the following options:
      a. **Computer Science Option**
         1. CSC 325(3), 333(2)
         2. Mathematics requirements: MTH 261(5)*; 280(5); MTH 314(3) or 315(3); MTH 345(3) or 540(3). Note: These required mathematics courses automatically satisfy the requirements for a minor in Mathematics.
         3. PHY 203(5)
         4. Select five additional hours of science or mathematics from the following: BIO 121(4)*; BMS 110(3)* and BMS 111(1)*; CHM 116(4) and CHM 117(1); CHM 160(4) and CHM 161(1); GLG 110(4), GRY 135(4), GRY 142(4); PHY 204(5); and MTH courses numbered 302 or higher that count toward the Mathematics major. Other science and mathematics courses may be acceptable with department approval.
      b. **Software Development Option**
         1. CSC 455(3)
         2. Select three additional hours from eligible CSC courses numbered 500 or higher excluding CSC 596.
         3. ECO 165(3); PSY 121(3); ENG 321(3). Each of these courses may also count toward General Education requirements.
         4. Select three additional hours in science courses from the following: BIO 121(4)*; BMS 110(3)* and BMS 111(1)*; CHM 116(4) and CHM 117(1); CHM 160(4) and CHM 161(1); GLG 110(4), GRY 135(4), GRY 142(4), PHY 203(5); and MTH courses numbered 302 or higher that count toward the Mathematics major. Other science or mathematics courses may be acceptable with department approval.
         5. Select one of the following: MKT 350(3), MGT 340(3), COM 315(3), PSY 305(3), PSY 481(3). Other courses may be acceptable with department approval.
         6. Mathematics requirement: MTH 261(5)* or 314(3) or 315(3)

         *May also count toward General Education requirements
C. Minor Required (Note: The "Computer Science" option contains courses that satisfy the requirements for a minor in Mathematics.)
D. General Baccalaureate Degree Requirements

Accreditation

The BS in Computer Science-Computer Science option is accredited by the Computing Accreditation Commission of ABET http://www.abet.org/.

Minor(s)

Computer Science

Bachelor of Arts

A. CSC 130(3), 131(4), 232(4)
B. Six additional hours from eligible CSC courses numbered higher than 303 to bring total hours in minor to at least 17, with no more than three hours in CSC 399. Courses not eligible: CSC 500, 505, and 510.

Computer Science

Bachelor of Science

A. CSC 130(3), 131(4), 232(4)
B. Six additional hours from eligible CSC courses numbered higher than 303 to bring total hours in minor to at least 17, with no more than three hours in CSC 399. Courses not eligible: CSC 500, 505, and 510.

Accelerated graduate program in Computer Science

Eligible Missouri State undergraduate students may apply for admission to the Computer Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 9 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Informatics

Minor(s)

Informatics

Bachelor of Science

A. CSC 131(4), 232(4), 335(3), 587(3);
B. MTH 261(5) or MTH 287(3); MTH 280(5) or MTH 288(3); BIO 550(3) or MTH 545(3)

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https://www.missouristate.edu/registrar/catalog/prog-informatics.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Web Programming

Certificate(s)

Web Programming

This certificate is designed to provide knowledge and skills in the field of web development, including programming, database design and development, web security, and multimedia applications.

Program requirements (16 hours)

A. CSC 130(3), 131(4), 335(3), 365(3); 515(3) or 545(3)
B. All candidates must satisfy the General University Certificate Requirements.

Completion requirement

Attain a GPA of 2.00 or higher for all courses used to fulfill the certificate requirement.

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https://www.missouristate.edu/registrar/catalog/cert-web-programming.htm

Missouri State

Engineering Program

Programs

Undergraduate

Civil Engineering

Electrical Engineering

Mechanical Engineering

Accreditation

Accreditation Board for Engineering Technology (ABET) - Civil Engineering (BS); Electrical Engineering (BS)

General Information

For more detailed information, visit the Cooperative Engineering Program website.

Missouri State University and Missouri University of Science and Technology offer two engineering degrees on the Missouri State University campus in Springfield – Civil and Electrical Engineering. The degrees are granted by the Missouri University of Science and Technology in cooperation with Missouri State University, and are accredited by ABET. The courses required for the engineering degrees are all offered on the Missouri State University campus. Students will be able to complete the civil and electrical engineering degrees in Springfield on the Missouri State University campus.

Missouri State University will continue to offer the pre-engineering program, which allows students to complete the first two years of engineering courses on the Missouri State University campus and then transfer to the Missouri University of Science and Technology (or another engineering school) to complete their engineering degree. The pre-engineering program is helpful for students who wish to study engineering degrees other than civil or electrical engineering.

All entering students into the Civil or Electrical Engineering programs must first satisfy the admission requirements in the Missouri State University catalog. Students will be advised by faculty in the Cooperative Engineering Program, and will complete the courses specified for the Freshman Year of the degree. Students will complete the Freshman Year courses with a minimum of a 2.5 GPA, and meet other admission criteria in the Missouri University of Science and Technology catalog, before applying for admission to the Missouri University of Science and Technology. Students must be admitted to the Missouri University of Science and Technology before enrolling in the sophomore, junior and senior engineering courses.

Contact

Director

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science.missouristate.edu/engineering

Students will register for the sophomore, junior and senior level engineering courses through the Missouri University of Science and Technology, but the courses will be offered on the Missouri State University campus. Tuition and fees for the sophomore, junior and senior level engineering courses will be set at the Missouri University of Science and Technology rates. Students will register for all non-engineering courses through Missouri State University. Tuition and fees for the non-engineering courses will be set at the Missouri State University rates.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Engineering Faculty

Professor

Douglas R. Carroll, PhD

Associate professor

Matthew C. Pierson, PhD

Assistant professor

Tayo D. Obafemi-Ajayi, PhD

Assistant teaching professors

Rohit Dua, PhD

Theresa Odun-Ayo, PhD

Adjunct faculty

Sanjay Tewari

Jeffery S. Thomas

Distance education and laboratory supervisor

Stephanie R. Thomas

Emeritus faculty

Robert I. Egbert PhD, PE

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Missouri State

Office of the Registrar
Undergraduate Catalog

Engineering Courses

Engineering (EGR) courses

EGR 110 Study and Careers in Engineering

Examination of fields of engineering and career opportunities in engineering. Professional expectations of engineers. Introduction to resources for assisting student success.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Geography, Geology and Planning

Programs

Indicates accelerated graduate program is available

Undergraduate

Applied Geophysics (Certificate)

Applied Geospatial Science (Certificate)

Community and Regional Planning (BS, Minor)

Engineering Geology (Certificate)

Environmental Education (Certificate) Interdisciplinary program offered by Department of Biology and Department of Geography, Geology and Planning

Environmental Geoscience (Certificate)

Geographic Information Sciences (Certificate)

Geography (BA, BS, Minor)

Geologic Foundations (Certificate)

Geology (BS, Minor)

Geospatial Sciences (BS, Minor)

Global Studies (Minor)

Globalization and Sustainability (Certificate)

Paleontology (Certificate)

Petroleum Geology (Certificate)

Small Town Planning and Development (Certificate)

Sustainable Tourism Development (Minor)

Graduate

Environmental Monitoring and Sampling (Certificate)

Geography and Geology (MS)

Geospatial Information Sciences (Certificate)

Natural and Applied Science with emphasis in Geography, Geology and Planning (MNAS)

Petroleum Geology (Certificate)

Planning and Development (Certificate)

Secondary Education with option in Earth Science (MSEd)

Secondary Education with option in Geography (MSEd)

Courses are offered toward the option in Environmental Management within the Professional Studies Program (MPS)

Accreditations

Contact

Accreditations

- Missouri Department of Elementary and Secondary Education – Secondary Education/Earth Science (MSEd); Secondary Education/Geography (MSEd)
- Council for the Accreditation of Educator Preparation – Secondary Education/Earth Science (MSEd); Secondary Education/Geography (MSEd)
- Planning Accreditation Board – Community and Regional Planning (BS)

Contact

Department head

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Missouri State

Office of the Registrar
Undergraduate Catalog

Geography, Geology and Planning Faculty

Distinguished professors

Kevin Mickus, PhD

Robert T. Pavlowsky, PhD

Professors

Toby J. Dogwiler, PhD

Kevin R. Evans, PhD

Douglas R. Gouzie, PhD

Melida Gutierrez, PhD

Rajinder S. Jutla, PhD

Jun Luo, PhD

Judith L. Meyer, PhD

Xin Miao, PhD

Xiaomin Qiu, PhD

Charles W. Rovey, PhD

Associate professors

Ronald W. Malega, PhD

Gary Michelfelder, PhD

Assistant professors

Mario Daoust, PhD

Krista Evans, PhD

Matthew Paul McKay, PhD

David R. Perkins, PhD

Senior instructors

Damon J. Bassett, MS

Deborah Corcoran, MA

Linnea A. Iantria, MTA

Instructor

Melanie Carden-Jessen, MS

Emeritus faculty

David A. Castillon, PhD

John Catau, PhD

William H. Cheek, PhD

William T. Corcoran, PhD

Stanley C. Fagerlin, PhD

Russel L. Gerlach, PhD

Dimitri Ioannides, PhD

Elias Johnson, PhD

Vincent E. Kurtz, PhD

Erwin J. Mantei, PhD

James F. Miller, PhD

Thomas D. Moeglin, PhD

Thomas G. Plymate, PhD

Paul A. Rollinson, PhD

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Missouri State

Office of the Registrar
Undergraduate Catalog

Geography, Geology and Planning Courses

Geography (GRY) courses

GRY 100 World Regional Geography

General Education Course (Focus on Cultural Competence).

An examination of the world's geographic regions focusing on the location of Earth's major physical features, human populations and cultures, and their interaction. Topics include natural systems, globalization, ethnic and geopolitical conflicts, and human impacts upon the environment. This course provides both an introduction to geography as a discipline and a basic geographic foundation for those interested in current international issues, politics, history and public affairs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	GEOG 101 - World Regional Geography.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

GRY 108 Principles of Sustainability

General Education Course (Focus on Social and Behavioral Sciences).

An introduction to the multidisciplinary concept of "sustainability," including the difficulty of defining sustainability and implementing sustainable development programs. Emphasis is placed on understanding basic environmental and social processes and patterns and how they relate to current events.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

GRY 135 Principles of Weather and Climate

General Education Course (Focus on Physical Sciences).

An introductory survey of the earth's weather and climate. A description of the physical processes of the atmosphere is followed by a survey of the world's varied climatic regions. The laboratory involves the preparation and interpretation of meteorological data and the classification of climates.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
4	3	2	Fall, Spring	PHYS 110LAS - Essentials in Physical Sciences with Lab-Meteorology/Atmospheric Sciences.

Access the CORE 42 portal

GRY 142 Introductory Physical Geography

General Education Course (Focus on Physical Sciences).

A study of the earth's natural systems including weather and climate, rocks and minerals, landforms and processes of landform development, biogeography, water resources and soils. Map fundamentals and the interrelationships of the geographic factors of the natural environment are emphasized. Students who take GRY 240 and GRY 142 may receive credit for only one of these courses.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
4	3	2	Fall, Spring	GEOG 100L - Physical Geography with Lab.

Access the CORE 42 portal

GRY 143 Physical Geography Laboratory

Laboratory instruction in the earth's natural systems including weather and climate, rocks and minerals, landforms and processes of landform development, biogeography, water resources and soils. Map fundamentals and the interrelationships of the geographic factors of the natural environment are emphasized. This course is open only to transfer students who have already completed a 3-credit course equivalent to the lecture portion of GRY 142.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

GRY 197 Selected Topics in Geography I

Prerequisite: permission.

Course devoted to a single topic that can vary from semester to semester depending on student and faculty interest. Topics are limited to those requiring no prior geography background. Examples: Geography of the Home Community, Geography of Energy Resources, Geography of Sport. Students should check the semester class schedule to determine the topic title for any given semester. May be repeated to a total of 5 hours credit. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GRY 240 Earth Science for Teachers

Prerequisite: 30 hours; open only to Early Childhood, Elementary, and Middle School majors.

A course designed to give students an understanding of the processes of science and the basic concepts of earth science using the inquiry approach in hands-on laboratory activities. Content includes maps, earth in space, weather and climate, soils and vegetation, rocks and minerals, landforms, processes of landform development, water resources, environmental relationship to the physical setting. Does not apply toward the major in Secondary Education. Students who take GRY 240 and GRY 142 may receive credit for only one of these courses.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall, Spring

GRY 275 Introduction to Plane Surveying

Prerequisite: MTH 138 or MTH 181 or MTH 261 or MTH 287.

Fundamental concepts and practices of land surveying. Practical exercises comparable to those used at Missouri University of Science and Technology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Fall

GRY 300 Geography of the United States

Physical and cultural regions of the United States, including their characteristics and resource utilization. Topics include landforms, climates, natural resources, economic activities, and cultural and political patterns.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRY 301 Geography of the Ozarks

Physical and cultural geography of the Ozarks. Surveys basic geology, landforms, soils, vegetation and the geography of settlement, population, major economic activities, lifestyles and the cultural landscape. Emphasis on historical development and spatial distributions. Field trip required. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

GRY 305 Selected World Regions

An in-depth study of selected regions of the world. Examples: Tropical Areas, Arid Regions, Polar Regions, Pacific Islands, Australia and New Zealand. Surveys geology, landforms, soil, vegetation, climate, settlement, population, economic activities and the cultural landscape. The

Zealand. Surveys geology, landforms, soil, vegetation, climate, settlement, population, economic activities and the cultural landscape. The course will be devoted to a single region that can vary from semester to semester. Students should check the current registration schedule to determine the topic title for any given semester. Since topics vary, the course may be repeated with permission. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRY 310 Fundamentals of Tourism

Tourism is analyzed from the academic perspective. This course incorporates concepts, principles, and theories from disciplines such as psychology, economics, and marketing that greatly influence the industry. The course covers the destination, marketing, demand, and transportation. It connects the geographical elements and the impact of tourism, while also analyzing the government regulations that attempt to mitigate negative results.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

GRY 315 Service Learning in Geography

Prerequisite: 30 hours and concurrent enrollment in a Geography course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in Geography to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

GRY 316 Geography of Global Health and Disease

An examination of global health and disease patterns from a geographic perspective. Part of the course focuses on disease and the impacts of globalization, economic development, land use, pollution, climate change, and cultural beliefs and practices. The rest of the course examines traditional and western health care systems and the distribution of health care resources. Topics include global pandemics, emerging diseases, health care accessibility, and disease mapping.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

GRY 318 Geography of the National Parks

A survey of the U.S. National Park system and national and international protected areas. Topics include natural and cultural heritage, park

management, and the role of interpretation in creating a unique sense of place.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GRY 320 Cultural Geography

Geographic exploration of material and nonmaterial elements of culture, focusing on spatial patterns, regional similarities, unique places, and the changing imprint on the natural landscape. Specific topics include settlement, agriculture, language, religion, foodways, music, sport, and their spatial interrelationships. Discussions and readings will encompass global, national, and local scales.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

GRY 321 Economic Geography

Prerequisite: 30 hours.

Location, distribution and extent of world economic activity. Topics include resource extraction, agriculture, manufacturing, retailing, and services.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GRY 322 Urban Geography

With an emphasis on patterns, this course documents the growth of cities, the reasons for that growth, presents models of urban structure, describes transportation systems, residential concentration, and commercial activities. Finally, current urban problems are identified. Field trip required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

GRY 323 World Political Geography

Survey of the field of political geography based on the concept of the State. Major topics include territoriality, the development and decline of the nation-state, frontiers and borderlands, colonialism, historical and contemporary geopolitics, and international environmental laws. Modern political issues dealing with ethnicity, sovereignty, ecology, and energy will be discussed from a geographic perspective. This is an upper-division geography course, and students are encouraged to have completed GRY 100 (World Regional Geography) prior to taking this course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GRY 325 Rural Geography

This course examines the cultural, environmental, and economic significance of rural places, with a focus on America. It looks at rapidly changing rural landscapes and the many contemporary issues confronting these areas. Topics include rural sense of place, rural economic, cultural, and environmental challenges, the rural Ozarks, and the role of regional and community planning. Field trip required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

GRY 348 Geomorphology

Prerequisite: GRY 142 or GLG 110 or both GLG 171 and GLG 172.

Geomorphology is the study of the origin, composition, and spatial distribution of surface landforms and their formative processes such as tectonic forces, chemical and physical weathering, and erosion and deposition of by water, wind, and ice. Emphasis is on geomorphic processes and landform development, methods of landform analysis, and environmental management. Case study approach is used to apply geomorphic concepts to understanding environmental hazards and sustainability and the role of humans as geomorphic agents. Field trips required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GRY 351 Conservation of Natural Resources

Prerequisite: 30 hours.

An examination of the dynamic interplay between physical, economic, social, and political factors affecting the major natural resource issues facing the world today. A presentation of the laws of the natural environment followed by an analysis of conservation issues and problems that occur in response to human use of the natural environment.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

GRY 353 Field Experience in Geography (inside continental USA)

Prerequisite: permission.

This Public Affairs Capstone Experience course is a field course that involves collecting, analyzing, interpreting, and sharing data in physical and cultural geography as part of a group field trip within the continental USA, meeting all three of the requirements for a Public Affairs Experience course: ethical leadership, cultural competence, and community engagement. Students must participate in classroom sessions before the required field trip as well as turn in a final project. At the discretion of the Department Head, field study and Study Away courses in other departments may substitute for GRY 353. Graded Pass/Not Pass only. May be repeated to a total of 6 hours if the destinations differ.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

GRY 367 Research Methods in Geography and Geospatial Science

Prerequisite: MTH 340 or AGR 330 or PSY 200 or QBA 237 or REC 328 or SOC 302.

Introduces the research process and methods used by geographers, including research design, data collection, sampling methods, data analysis procedures, computer applications and scientific communication. Cannot receive credit for both GRY 367 and PLN 367.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

GRY 375 Advanced Plane Surveying

Prerequisite: GRY 275.

Office and field techniques used in route surveying including circular, transitional and parabolic curves. Topographic mapping applications, slope stake and earthwork computations. Field astronomy, state plane coordinates, boundary control and USPLS surveys.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

GRY 377 Legal Aspects of Boundary Surveying

Prerequisite: GRY 375.

The legal principles of surveying: Missouri surveying law, Boundary Control, and the role of the surveyor within the judicial frame work of the court system.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRY 379 Surveying Computations

Prerequisite: GRY 375.

Computations in horizontal control networks, projections including Universal Transverse Mercator and State Plane Coordinates, Practical Astronomy, and Global Positioning Systems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRY 397 Selected Topics in Geography II

Prerequisite: permission.

Course devoted to a single topic that can vary from semester to semester depending upon student and faculty interest. Topics generally require previous training in geography. Examples: Geography of Water Resources, Tornadoes and other Violent Storms. Students should check the current registration schedule to determine the topic title for any given semester. Since credit and topics vary, this course may be repeated, with permission, to a total of 5 hours credit. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GRY 399 Internship in Geography

Prerequisite: permission.

Work experience in geography. Students have periodic conferences with geosciences department faculty and supervisory personnel of the employing business or agency. May be repeated to a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

GRY 429 Geography of World Tourism

A systematic description and analysis of the world's major tourism destination regions with special emphasis on World Heritage sites. Case studies will examine the role local communities play in the sustainable development of sites with special natural and/or cultural value.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

GRY 470 Field Experience in Geography (outside continental USA)

Prerequisite: permission.

This Public Affairs Capstone Experience course is a field course that involves collecting, analyzing, interpreting, and sharing data in physical and cultural geography as part of a group field trip outside the continental USA, meeting all three of the requirements for the Public Affairs Experience course: ethical leadership, cultural competence, and community engagement. Students must participate in classroom sessions before the required field trip as well as turn in a final project. At the discretion of the Department Head, field study and Study Away courses in other departments may substitute for GRY 470. Graded Pass/Not Pass only. May be repeated to a total of 6 hours if the destinations differ.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	0	6	Upon demand

GRY 495 Undergraduate Research in Geography

Prerequisite: permission.

Enrichment through guided but independent, original research in geography and geography related subject areas. May be repeated for a total of 6 credit hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GRY 496 Readings in Geography

Prerequisite: permission.

Selected readings and reports on geographical literature. May be repeated to a total of 4 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall, Spring

GRY 497 Special Topics in Geography

Prerequisite: permission.

Open to departmental majors and minors. Outstanding students obtain additional experience through guided independent study in geography. May be repeated to a total of 5 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

GRY 507 Geography of Subsaharan Africa

An in-depth geographic study of Africa south of the Sahara Desert. Surveys physical and political geography, climate, tribalism, religion, demography, natural resources, transportation, industry and economic activities of African states South of the Sahara. Students are required to complete one research project. May be taught concurrently with GRY 607. Cannot receive credit for both GRY 607 and GRY 507.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRY 510 Applications in Sustainable Geotourism

This course will introduce some of the key concepts and methods used to investigate and make sense of the role, significance and impact of tourism that sustains or enhances the geographical character of a place--its environment, culture, aesthetics, heritage, and the well-being of its residents. Students will explore environmentally and socially responsible tourism strategies and innovations, and study issues associated with tourism development. Students will work to develop tourism policy and plans based on geotourism parameters where ideas may be applied in a practicum to a local, regional or national community. May be taught concurrently with GRY 610. Cannot receive credit for both GRY 510 and GRY 610.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GRY 525 Environmental Hazards

Prerequisite: GRY 142 or both GRY 135 and GLG 110.

Identification, recognition, and impact of hazards. Physical exposure to hazards and human vulnerability in LDCs and MDCs. Disaster trends and patterns. Behavioral and structural paradigms of hazards. EM-DAT: international disaster database. Statistical methods used in risk assessments. Risk perception, communication, and disaster management. Tectonic, mass movement, atmospheric, hydrological, biophysical, and technological hazards: analysis, preparedness, and mitigation. May be taught concurrently with GRY 625. Cannot receive credit for both GRY 625 and GRY 525.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRY 535 Global Climate and Weather Cycles

Prerequisite: GRY 135; and MTH 340 or AGR 330 or PSY 200 or QBA 237 or REC 328.

Energy and mass exchanges. Global atmospheric circulation; surface and upper-air flows. Index cycle: zonal and meridional atmospheric circulations. Teleconnections and atmospheric oscillations: NAO, PNA, PDO, AO, ENSO, and AMO. Interactions between atmospheric oscillations and surface climatic variables in the United States and around the world. Weather cycles, natural climatic variability and climate change. Drought indices. Spatial and temporal statistical domains used in climatic data analysis. May be taught concurrently with GRY 635. Cannot receive credit for both GRY 635 and GRY 535.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRY 545 Global Environmental Change

Energy and mass fluxes and storages in the interlinked physical components of the ecosphere. Chemistry of the global atmosphere. Role of the oceans and thermohaline circulation. Land use and land cover influences on terrestrial ecosystems. Concepts of environmental cycles, thresholds, resilience, recovery and response times. Understanding past environmental changes. Causes, mechanisms and likely impacts of natural and anthropogenically-induced changes on the global environment. Predictive models on global environmental change. May be taught concurrently with GRY 645. Cannot receive credit for both GRY 545 and GRY 645.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

GRY 550 Fluvial Geomorphology

Study of the formation, composition, distribution of fluvial landforms. Emphasis is on channel hydrology, quantification of geomorphic relationships, reach and watershed-scale processes, sediment transport, water and sediment contamination, and management applications to streams in the Ozarks Region as well as other places. Field work may be required. May be taught concurrently with GRY 650. Cannot receive credit for both GRY 550 and GRY 650.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GRY 596 Topical Issues in Education

Prerequisite: permission.

Selected topics in geography and earth science to upgrade understandings and skills in improvement of elementary or secondary teaching. Each course is concerned with a single topic or subject matter area. Number of class hours determined by semester hours of credit. May be repeated to a total of 5 hours credit. Variable content course. May be taught concurrently with GRY 696. Cannot receive credit for both GRY 696 and GRY 596.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

GRY 597 Special Topics in Geography

Prerequisite: permission.

Selected topics in geography. Special topics will be included in the class schedule for each term. Field trips may be required. Number of class hours determined by semester hours of credit. May be repeated to a maximum of 6 hours credit. Variable content course. May be taught concurrently with GRY 697. Cannot receive credit for both GRY 697 and GRY 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

GRY 607 Geography of Subsaharan Africa

An in-depth geographic study of Africa south of the Sahara Desert. Surveys physical and political geography, climate, tribalism, religion, demography, natural resources, transportation, industry and economic activities of African states South of the Sahara. Students are required to complete two research projects. May be taught concurrently with GRY 507. Cannot receive credit for both GRY 507 and GRY 607.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRY 610 Applications in Sustainable Geotourism

This course will introduce some of the key concepts and methods used to investigate and make sense of the role, significance and impact of tourism that sustains or enhances the geographical character of a place--its environment, culture, aesthetics, heritage, and the well-being of its residents. Students will explore environmentally and socially responsible tourism strategies and innovations, and study issues associated with tourism development. Students will work to develop a tourism policy and plans based on geotourism parameters where ideas may be applied in a practicum to a local, regional or national community. May be taught concurrently with GRY 510. Cannot receive credit for both GRY 610 and GRY 510.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GRY 625 Environmental Hazards

Recommended Prerequisite: GRY 142; or both GRY 135 and GLG 110. Identification, recognition, and impact of hazards. Physical exposure to hazards and human vulnerability in LDCs and MDCs. Disaster trends and patterns. Behavioral and structural paradigms of hazards. EM-DAT: international disaster database. Statistical methods used in risk assessments. Risk perception, communication, and disaster management. Tectonic, mass movement, atmospheric, hydrological, biophysical, and technological hazards: analysis, preparedness, and mitigation. May be taught concurrently with GRY 525. Cannot receive credit for both GRY 525 and GRY 625.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRY 635 Global Climate and Weather Cycles

Recommended Prerequisite: GRY 135; and MTH 340 or AGR 330 or ECO 308 or PSY 200 or QBA 237 or REC 328 or SOC 302. Energy and mass exchanges. Global atmospheric circulation; surface and upper-air flows. Index cycle: zonal and meridional atmospheric circulations. Teleconnections and atmospheric oscillations: NAO, PNA, PDO, AO, ENSO, and AMO. Interactions between atmospheric oscillations and surface climatic variables in the United States and around the world. Weather cycles, natural climatic variability and climate change. Drought indices. Spatial and temporal statistical domains used in climatic data analysis. May be taught concurrently with GRY 535. Cannot receive credit for both GRY 535 and GRY 635.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRY 645 Global Environmental Change

Recommended Prerequisite: GRY 142 or both GRY 135 and GLG 110. Energy and mass fluxes and storages in the interlinked physical components of the ecosphere. Chemistry of the global atmosphere. Role of the oceans and thermohaline circulation. Land use and land cover influences on terrestrial ecosystems. Concepts of environmental cycles, thresholds, resilience, recovery and response times. Understanding past environmental changes. Causes, mechanisms and likely impacts of natural and anthropogenically-induced changes on the global environment. Predictive models on global environmental change. May be taught concurrently with GRY 545. Cannot receive credit for both GRY 545 and GRY 645.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

GRY 650 Fluvial Geomorphology

Study of the formation, composition, distribution of fluvial landforms. Emphasis is on channel hydrology, quantification of geomorphic relationships, reach and watershed-scale processes, sediment transport, water and sediment contamination, and management applications to streams in the Ozarks Region as well as other places. Field work may be required. May be taught concurrently with GRY 550. Cannot receive credit for both GRY 550 and GRY 650.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GRY 696 Topical Issues in Education

Prerequisite: permission.

Selected topics in geography and earth science to upgrade understandings and skills in improvement of elementary or secondary teaching. Each course is concerned with a single topic or subject matter area. Number of class hours determined by semester hours of credit. Variable content course. May be repeated to a total of 5 hours credit. May be taught concurrently with GRY 596. Cannot receive credit for both GRY 596 and GRY 696.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

GRY 697 Special Topics in Geography

Prerequisite: permission.

Selected topics in geography. Special topics will be included in the class schedule for each term. Field trips may be required. Number of class hours determined by semester hours of credit. Variable content course. May be repeated to a maximum of 6 hours credit. May be taught concurrently with GRY 597. Cannot receive credit for both GRY 597 and GRY 697.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

GRY 698 Research in Geography

Prerequisite: permission.

Enrichment through guided but independent, original research in geography and geography related subject areas. May be repeated for a total of 6 credit hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

GRY 700 Cultural Geography for Secondary Teachers I

Population and the spatial imprint of man on the landscape in terms of settlement, economic activities, institutions; methods and materials of the high school geography project; other current curriculum materials.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

GRY 703 Cultural Geography for Secondary Teachers II

Prerequisite: GRY 700.

Continuation of GRY 700. Contemporary problems in land use, urbanization and planning for optimum use of resources; methods and materials of the high school geography project; other current curriculum materials.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

GRY 730 Weather Elements for Secondary Teachers

Physical processes of the earth's atmosphere, use of weather instruments and interpretation of weather maps. Applied aspects of weather and climate and their effects on man's activities. Emphasis on current curriculum materials for secondary schools.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRY 731 Environmental Assessment

The procedures and processes of environmental assessment. Soils, hydrology, climate, biogeography and geomorphology will be examined in an environmental assessment context. Environmental assessment is a prerequisite for satisfying the National Environmental Policy Act (NEPA) requirements.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

GRY 740 Selected Topics in Earth Science

Prerequisite: permission of instructor.

Students cooperatively select from general subject areas in earth science more specific areas to explore. Topics are studied consecutively during the semester. Subject areas from which the topic selections will be made are included in the class schedule for each term the course is offered. Variable content course. Since topics vary, the course may be repeated for a total of 6 hours. Identical with GLG 765. Cannot receive credit for more than 6 hours of GRY 740 and GLG 765.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GRY 748 Physiography and Resource Conservation

Landforms, economic minerals, soils, climate, water resources and closely related aspects of the natural environment as they relate to man's inhabitation and use of the earth; map reading and simple map construction; methods and materials for secondary schools.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	2 **Lecture contact hours**	2 **Lab contact hours**	Upon demand **Typically offered**

GRY 751 Topics in Advanced Physical Geography

Critical review of recent advances and trends in applied and/or theoretical physical geography. Course will involve the study of seminal and recent journal articles and presentation of a research paper. Course content may vary among the subfields of physical geography including geomorphology, hydrology, water resources, soil geography climatology, and biogeography. Field trips may be required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

GRY 779 Research in Geography

Prerequisite: permission.

Enrichment through guided but independent, original research in geography and geography related subject areas. May be repeated for a total of 3 credit hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GRY 799 Thesis

Prerequisite: permission.

Independent research and study connected with preparation of thesis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

Geology (GLG) courses

GLG 110 Principles of Geology

General Education Course (Focus on Physical Sciences).

How Earth works. The building blocks of Earth: minerals and rocks. Earth's dynamic interior: plate tectonics, earthquakes, volcanism, and mountain building. Surface processes associated with streams, ground water, glaciers, wind, and shorelines. Laboratory instruction in identification of common minerals and rocks, the use of topographic maps, and landform identification from topographic maps. Optional weekend field trips.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
4	3	2	Fall, Spring	GEOL 100L - Geology with Lab.



Access the CORE 42 portal

GLG 115 Life of the Past

General Education Course (Focus on Life Sciences).

Addresses the origin, evolution, and extinction of life forms within the 3.5 billion year history of life on earth. Topics of discussion will include the basic principles of evolution, stratigraphy, and plate tectonics. Optional fossil collecting field trip.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

GLG 171 Environmental Geology

General Education Course (Focus on Physical Sciences).

Treats those aspects of geology that interface directly with humanity. Key concepts of Earth processes and how they relate to geologic hazards, mineral and energy resources, and sustainability. Human dependence on geologic resources is examined and related to issues confronting society. Optional field trips.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	GEOL 100 - Geology.

Access the CORE 42 portal

GLG 172 Physical Geology Laboratory

Prerequisite: permission.

Laboratory instruction in identification and classification of common minerals and rocks; introduction to the identification of landforms as interpreted from topographic maps. This course number allows students who have already had GLG 171 to take a laboratory section of GLG 110 as a stand-alone one credit course. GLG 171 plus GLG 172 will substitute for GLG 110 in the requirements for all geology programs and in the prerequisites for all upper division geology courses.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

GLG 197 Popular Topics in Geology

Course devoted to a single topic that can vary from semester to semester depending on student and faculty interest. Topics are limited to those requiring no prior geology background. Examples: Earthquakes and Volcanoes, Rocks and Minerals, Caves and Karst, etc. Students should check the current registration schedule to determine the topic title for any given semester. Variable content course. Because topics vary, this course may be repeated, with permission of the instructor to a total of 10 credits. Cannot be counted toward any major or minor in Geology.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GLG 314 Historical Geology

Prerequisite: GLG 110 or both GLG 171 and GLG 172.

Geological history of the earth with emphasis on North America; origin and evolution of animal and plant life on earth. One Saturday field trip required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GLG 318 Physical Oceanography

Prerequisite: GLG 110 or both GLG 171 and GLG 172.

A comprehensive study of the physical ocean; including the origin and nature of tides, waves, and ocean currents; marine geology, resources and pollution.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GLG 326 Marine Science I: Oceanography

Prerequisite: MTH 135 and CHM 160 and CHM 170 and CHM 171 and BIO 101 and 111.

Integrates physical, chemical, biological, and geological oceanography to provide a multidisciplinary approach to the fundamentals of oceanography. (Must be taken at Gulf Coast Research Laboratory, Ocean Springs, Mississippi).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Summer

GLG 327 Marine Science I: Oceanography Lab

Prerequisite: concurrent enrollment in GLG 326.

Laboratory portion of GLG 326. Field and laboratory activities. (Must be taken at Gulf Coast Research Laboratory, Ocean Springs, Mississippi).

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	0	4	Summer

GLG 330 Service Learning in Geology

Prerequisite: 30 hours and permission and concurrent registration in a Geology course designated as a service geology offering.

This service component for an existing course incorporates community service with classroom instruction in geology to provide an

integrative learning experience that addresses the practice of citizenship and promotes an awareness of participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignment will vary depending on the specific course topic and learning objectives; students should investigate possible placements, available through the Department of Geography, Geology and Planning and the Office of Citizenship and Service Learning prior to registration. May be repeated. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

GLG 332 Mineralogy

Prerequisite: GLG 110 or both GLG 171 and GLG 172; and CHM 160; and MTH 135 or MTH 138 or MTH 261 or MTH 287.

Origin, classification, description, and identification of ore minerals and rock-forming minerals.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GLG 333 Igneous and Metamorphic Petrology

Prerequisite: GLG 332.

Origin, classification, and identification of common igneous and metamorphic rocks. A grade of "C" or better is required in this course in order to take GLG 413. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

GLG 334 Sedimentary Geology

Prerequisite: GLG 314 and GLG 332.

Principles underlying the production, weathering and deposition of sediments; environmental control of lithofacies and biofacies; recognition of ancient depositional environments by key indicators and modern analogs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

GLG 340 Structural Geology

Prerequisite: GLG 314 and GLG 333 and GLG 334 or concurrent enrollment; and either MTH 138 or MTH 181.

Recommended Prerequisite: PHY 123 or PHY 203. Elementary theory of stress and strain, rock behavior, continuous structures, fracture theory, discontinuous structures and kinematics of plate motion. Field trips required. A grade of "C" or better is required in this course in order to take GLG 413. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

GLG 350 Speleology

Prerequisite: GLG 110 or GLG 171.

Caves, karst and cavernous terrain, their origin, geologic environment and evolution. Field trips and field research required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GLG 355 Volcanology

Prerequisite: GLG 110 or GLG 171 and GLG 172.

Systematic discussion of volcanic phenomena, including types of eruptions, generation and emplacement of magmas, products of volcanism, volcanic impact on humans, and the monitoring and forecasting of volcanic events. Case studies of individual volcanoes illustrate principles of volcanology, with a particular emphasis on Hawaiian, Andean, Icelandic and Cascade volcanism.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring (odd-numbered years)

GLG 358 Writing II: Reporting Geological Information

Prerequisite: ENG 110 or equivalent, and 30 hours, and GLG 314; and either GLG 318 or GLG 332.

General Education Course (Focus on Written Communication and Integrative and Applied Learning).

Techniques and strategies for locating and accessing technical geological information. Preparation of technical reports and presentations on geologic topics with emphasis on the styles and formats of the Geological Society of America and the United States Geological Survey. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall

GLG 360 Directed Field Trips

Prerequisite: GLG 110 or both GLG 171 and GLG 172; and GLG 314; and permission.

Geologic field trips to areas of special interest. Because credit hours and destinations vary, the course may be repeated to a total of 8 hours. However, no more than 4 hours may count toward any Geology major. Variable content course. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GLG 397 Selected Topics in Geology

Prerequisite: permission.

Course devoted to a single topic which may vary from semester to semester depending upon student and faculty interest. Since credit and topics vary, this course may be repeated, with permission, to a total of 5 hours credit. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GLG 399 Internship in Geology

Prerequisite: permission.

Work experience in geology. Students have periodic conferences with geology faculty and supervisory personnel of the employing business or agency. May be repeated to a maximum of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

GLG 412 Field Geology of the Midcontinent Region

Prerequisite: GLG 314; and either GLG 318 or GLG 333 or concurrent enrollment.

Regional geology of the Midcontinent including the Ozark, Wichita, Arbuckle, Ouachita and Boston Mountains, and associated basins. Introduction to geologic field methods including the use of aerial photograph and geologic maps, cross-sections, and block diagrams in the interpretation of regional geologic history.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Spring

GLG 413 Field Geology

Prerequisite: GLG 314; and a grade of "C" or better in both GLG 333 and GLG 340.

Use of brunton compass, jacob staff, and tape in field methods; aerial photographs and topographic maps in mapping sedimentary, igneous, and metamorphic rocks; demonstration of lithostratigraphic succession and correlation in the field; preparation of geological reports from field data. Taught at off campus field station.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Summer

GLG 415 Invertebrate Paleontology

Prerequisite: GLG 314.

Morphology and taxonomy of invertebrate fossils.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Spring

GLG 498 Seminar in Geology

Prerequisite: permission.

Lectures and discussions of topics in geology. May be repeated for 4 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

GLG 499 Research in Geology

Prerequisite: permission.

Outstanding student obtains enrichment through guided, but independent, original research in geology and geology related subject areas. May be repeated at the discretion of the geology staff to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

GLG 523 Coastal Marine Geology

Prerequisite: 6 hours of geology; and concurrent enrollment in GLG 524.

A study of inshore and nearshore geologic processes, sedimentation patterns and landform development. Concurrent enrollment in GLG 524 required. Must be taken at Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with GLG 623. Cannot receive credit for both GLG 623 and GLG 523.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

GLG 524 Coastal Marine Geology Lab

Prerequisite: concurrent enrollment in GLG 523.

Laboratory portion of GLG 523. Field and laboratory activities. Must be taken at Gulf Coast Research Laboratory, Ocean Springs, Mississippi.

May be taught concurrently with GLG 624. Cannot receive credit for both GLG 624 and GLG 524.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Summer

GLG 530 Optical Mineralogy

Prerequisite: GLG 333.

Essentials of optical crystallography; the use of the petrographic microscope in the identification of rock-forming minerals, both in oil-immersion grain mounts and in thin sections. May be taught concurrently with GLG 630. Cannot receive credit for both GLG 630 and GLG 530.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

GLG 540 X-Ray Mineralogy

Prerequisite: GLG 332.

Principles and techniques of x-ray mineralogy; the use of x-ray powder diffraction in the identification and characterization of minerals and related crystalline phases. May be taught concurrently with GLG 640. Cannot receive credit for both GLG 640 and GLG 540.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

GLG 547 Water Resources

Prerequisite: BIO 122 or GLG 110 or GRY 142; and CHM 160 and CHM 161; and MTH 135.

An interdisciplinary study of freshwater resource development, including environmental impacts of humans on hydrology and water quality, conflicts among users, and politics at local and global scales. Identical with BIO 547. Cannot receive credit for both GLG 547 and BIO 547. May be taught concurrently with GLG 647. Cannot receive credit for both GLG 547 and GLG 647.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GLG 570 Principles of Stratigraphy

Prerequisite: GLG 314 and GLG 334.

Principles and procedures applied to the study of sedimentary successions; astronomical forcing, cyclicity, eustasy, and tectonic controls on stratification and basin evolution; application of the Stratigraphic Code, practical field methods, observations and interpretation of depositional environments, and sequence stratigraphic interpretations; field trips required. May be taught concurrently with GLG 670. Cannot receive credit for both GLG 670 and GLG 570.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GLG 572 Geohydrology

Prerequisite: GLG 314; and either MTH 261 or MTH 287.

Aquifer properties; elementary theory of groundwater flow through a porous medium; well and aquifer relationships. Laboratories include ground-water case studies and Hydrologic Investigation Atlas interpretations. Taught concurrently with GLG 672. Cannot receive credit for both GLG 572 and GLG 672.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

GLG 573 Engineering Geology

Prerequisite: GLG 333 and either MTH 261 or MTH 287.

Engineering properties of rocks and soils; fundamentals of engineering geology field investigations; application of properties and fundamentals to engineering problems concerning slope stability, groundwater, industrial contamination, urban public works, and karst areas. Laboratories include engineering classification of soils, hydraulic conductivity testing, and public works design and management. Field trip to observe engineering problems of karst required. May be taught concurrently with GLG 673. Cannot receive credit for both GLG 573 and GLG 673.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring (even-numbered years)

GLG 574 Petroleum Geology

Prerequisite: GLG 314.

Recommended Prerequisite: GLG 333 and GLG 570. Origin of hydrocarbons in sedimentary successions; petroleum systems, sequence stratigraphic concepts; basin analysis; petroleum exploration techniques, including well log and seismic interpretation; techniques for resource exploitation and an introduction to petroleum production. May be taught concurrently with GLG 674. Cannot receive credit for both GLG 574 and GLG 674.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

GLG 580 Geochemistry

Prerequisite: GLG 332.

Topics include the dominant chemical reactions in natural waters, equilibrium conditions between mineral precipitation and dissolution, and characteristics of contaminated groundwater. Field trips required. Taught concurrently with GLG 680. Cannot receive credit for both GLG 580 and GLG 680.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GLG 581 Geochemical Techniques

Prerequisite: GLG 332.

Geochemical techniques and procedures used in ore exploration, point and nonpoint contamination and other environmental studies. Analyses of trace elements in rocks, soils, plants and waters using inductively coupled plasma methods. Also use of GPS to locate sample sites and ArcView to prepare maps. Field trips required. May be taught concurrently with GLG 681. Cannot receive credit for both GLG 681 and GLG 581.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Spring (odd-numbered years)

GLG 590 Applied Geophysics

Prerequisite: either PHY 124 or PHY 204; and either MTH 280 or MTH 288.

Recommended Prerequisite: GLG 340. Application of geophysical methods in solving geologic problems. Techniques covered include seismic refraction and reflection, gravity, magnetics, direct current and electromagnetic resistivity. Field trips required. May be taught concurrently with GLG 690. Cannot receive credit for both GLG 690 and GLG 590.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

GLG 591 Seismic Data Processing

Prerequisite: GLG 340 (or permission); and either PHY 124 or PHY 204 or concurrent enrollment in either; and either MTH 280 or MTH 288 or concurrent enrollment in either.

The basic techniques to process seismic reflection data as used by for tectonic, oil, environmental and mining applications. Techniques include deconvolution, filtering, migration, stacking, normal moveout corrections. Basic seismic reflection interpretation will be addressed. This is a computer based class. May be taught concurrently with GLG 691. Cannot receive credit for both GLG 591 and GLG 691.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring (even-numbered years)

GLG 597 Selected Topics in Geology

Prerequisite: permission.

Detailed treatment of various advanced topics in geology which may vary from year to year. Some typical topics: geologic instrumentation, selenology, sedimentology, and crystallography. Since credit and topics vary, the course may be repeated for a total of 6 hours. Variable content course. May be taught concurrently with GLG 697. Cannot receive credit for both GLG 697 and GLG 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

GLG 623 Coastal Marine Geology

Prerequisite: permission; and concurrent enrollment in GLG 624.

A study of inshore and nearshore geologic processes, sedimentation patterns and landform development. Must be taken at Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with GLG 523. Cannot receive credit for both GLG 523 and GLG 623.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Summer

GLG 624 Coastal Marine Geology Lab

Prerequisite: concurrent enrollment in GLG 623.

Laboratory portion of GLG 623. Field and laboratory activities. Must be taken at Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with GLG 524. Cannot receive credit for both GLG 524 and GLG 624.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Summer

GLG 630 Optical Mineralogy

Recommended Prerequisite: GLG 333. Essentials of optical crystallography; the use of the petrographic microscope in the identification of rock-forming minerals, both in oil-immersion grain mounts and in thin sections. May be taught concurrently with GLG 530. Cannot receive credit for both GLG 530 and GLG 630.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

GLG 640 X-Ray Mineralogy

Recommended Prerequisite: GLG 332. Principles and techniques of x-ray mineralogy; the use of x-ray powder diffraction in the identification and characterization of minerals and related crystalline phases. May be taught concurrently with GLG 540. Cannot receive credit for both GLG 540 and GLG 640.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

GLG 647 Water Resources

Recommended Prerequisite: BIO 122 or GLG 110 or GRY 142; and CHM 160 and CHM 161; and MTH 135. An interdisciplinary study of freshwater resource development, including environmental impacts of humans on hydrology and water quality, conflicts among users, and politics at local and global scales. Identical with BIO 647. Cannot receive credit for both GLG 647 and BIO 647. May be taught concurrently with GLG 547. Cannot receive credit for both GLG 647 and GLG 547.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

GLG 670 Principles of Stratigraphy

Recommended Prerequisite: GLG 314 and GLG 334. Principles and procedures applied to the study of sedimentary successions; astronomical forcing, cyclicity, eustasy, and tectonic controls on stratification and basin evolution; application of the Stratigraphic Code, practical field methods, observations and interpretation of depositional environments, and sequence stratigraphic interpretations; field trips required. May be taught concurrently with GLG 570. Cannot receive credit for both GLG 570 and GLG 670.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GLG 672 Geohydrology

Recommended Prerequisite: GLG 314; and either MTH 261 or MTH 287. Aquifer properties; elementary theory of groundwater flow through a porous medium; well and aquifer relationships. Laboratories include ground-water case studies and Hydrologic Investigation Atlas interpretations. Field trips required. Taught concurrently with GLG 572. Cannot receive credit for both GLG 572 and GLG 672.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

GLG 673 Engineering Geology

Recommended Prerequisite: GLG 333. Engineering properties of rocks and soils; fundamentals of engineering geology field investigations; application of properties and fundamentals to engineering problems concerning slope stability, groundwater, industrial contamination, urban public works, and karst areas. Laboratories include engineering classification of soils, hydraulic conductivity testing, and public works design and management. Field trip to observe engineering problems of karst required. May be taught concurrently with GLG 573. Cannot receive credit for both GLG 673 and GLG 573.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring (even-numbered years)

GLG 674 Petroleum Geology

Recommended Prerequisite: GLG 314 and GLG 333 and GLG 570. Origin of hydrocarbons in sedimentary successions; petroleum systems, sequence stratigraphic concepts; basin analysis; petroleum exploration techniques, including well log and seismic interpretation; techniques for resource exploitation and an introduction to petroleum production. May be taught concurrently with GLG 574. Cannot receive credit for both GLG 674 and GLG 574.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

GLG 676 Geoscience Computing

This course will explore the dynamic relationships between Earth systems and introduce students to techniques to create map products and Earth system models using surficial and subsurface geologic data. Mapping and modeling topics will include: heat flow, geologic bedrock mapping, geochemical data processing, fluid mechanics, well data, subsurface geologic data interpretation, and seismic attribute analysis. Students will explore these topics and characterize their behavior by building theoretical Earth system models to test map-based hypotheses.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

GLG 680 Geochemistry

Recommended Prerequisite: GLG 332. Topics include the dominant chemical reactions in natural waters, equilibrium conditions between mineral precipitation and dissolution, and characteristics of contaminated groundwater. Field trips required. Taught concurrently with GLG 580. Cannot receive credit for both GLG 580 and GLG 680.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GLG 681 Geochemical Techniques

Recommended Prerequisite: GLG 332. Geochemical techniques and procedures used in ore exploration, point and nonpoint contamination and other environmental studies. Analyses of trace elements in rocks, soils, plants and waters using inductively coupled plasma methods. Also use of GPS to locate sample sites and ArcView to prepare maps. Field trips required. May be taught concurrently with GLG 581. Cannot receive credit for both GLG 581 and GLG 681.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Spring (odd-numbered years)

GLG 690 Applied Geophysics

Recommended Prerequisite: GLG 340; and either PHY 124 or PHY 204; and either MTH 280 or MTH 288. Application of geophysical methods in solving geologic problems. Techniques covered include seismic refraction and reflection, gravity, magnetics, direct current and electromagnetic resistivity. Field trips required. May be taught concurrently with GLG 590. Cannot receive credit for both GLG 590 and GLG 690.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

GLG 691 Seismic Data Processing

Prerequisite: GLG 340 (or permission); and either PHY 124 or PHY 204 or concurrent enrollment in either; and either MTH 280 or MTH 288 or concurrent enrollment in either.

The basic techniques to process seismic reflection data as used by for tectonic, oil, environmental and mining applications. Techniques include deconvolution, filtering, migration, stacking, normal moveout corrections. Basic seismic reflection interpretation will be addressed. This is a computer based class. May be taught concurrently with GLG 591. Cannot receive credit for both GLG 691 and GLG 591.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring (even-numbered years)

GLG 697 Selected Topics in Geology

Prerequisite: permission.

Detailed treatment of various advanced topics in geology which may vary from year to year. Some typical topics: geologic instrumentation, selenology, sedimentology, and crystallography. Variable content course. May be repeated for a total of 6 hours. May be taught concurrently with GLG 597. Cannot receive credit for both GLG 597 and GLG 697.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

GLG 701 Geology for Secondary Teachers I

Prerequisite: permission.

Earth materials, geological processes, geological history and the geological environments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

GLG 702 Geology for Secondary Teachers II

Prerequisite: GLG 701.

Continuation of GLG 701.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

GLG 713 Field Geology for Secondary Teachers

Prerequisite: permission.

Field work; identification and correlation of rock units; determination of depositional environments from fossils and other indicators. Students are required to make a collection of specimens from rock formations in the study area. May be repeated to a total of 6 hours when destination varies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GLG 715 Isotope Geochemistry

Topics include the application of radiogenic, radioactive and stable isotopes to the processes and timescales relevant to the formation of the planet and solar system, the evolution of the Earth system and interactions in the hydrosphere and biosphere. Course consists of lecture and seminar section, where students are exposed to these applications and discuss relevant papers from the literature. A semester long project using geochronology and isotope geochemistry data is required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (even-numbered years)

GLG 751 Seminar in Geology

Prerequisite: permission.

Preparation of an extensive paper on selected topics to be read before staff seminars.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

GLG 765 Selected Topics in Earth Science

Prerequisite: permission.

Students cooperatively select from general subject areas in earth science more specific areas to explore. Topics are studied consecutively during the semester. Subject areas from which the topic selections are made are included in the class schedule for each term the course is offered. Variable content course. Since topics vary, the course may be repeated for a total of 6 hours. Identical with GRY 740. Cannot receive credit for more than 6 hours of GLG 755 and GRY 740 combined.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GLG 779 Research/Geological Sciences

Prerequisite: permission.

Original research supervised by the geology staff, involving special areas of the geological sciences. May be repeated to a total of 3 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GLG 782 Contaminant Hydrology

Recommended Prerequisite: undergraduate background in both geology and chemistry. Geochemical principles applied to solve environmental problems effecting surface water and groundwater. Case studies in groundwater geochemistry, medical geology, and mining geology. Geostatistics (ArcGIS, SPSS) and geochemical modeling (MINTEQ) tools used.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring (odd-numbered years)

GLG 794 Global Tectonics

Recommended Prerequisite: GLG 314. The fundamental basis of plate tectonics. Topics covered include geophysical methods, plate motion theory, fundamental properties of plate boundaries, formation of sedimentary basins and orogenic belts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

GLG 796 Science Internship

Completion of an internship project (80 hours/credit hour) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree

and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

GLG 799 Thesis

Prerequisite: permission.

Independent research and study connected with preparation of thesis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

Geospatial Sciences (GEO) courses

GEO 200 Exploring Our Digital Earth

Prerequisite: 12 hours.

General Education Course (Focus on Public Issues).

An exploration of the geospatial technologies related to digital Earth with a focus on their applications in our current world. Topics include geospatial data, digital mapping, geographic information systems (GIS), global positioning systems (GPS), and remote sensing. This course uses a wide range of geospatial technology software freely available on the internet, and provides an introduction to geospatial technologies as critical thinking and inquiry tools.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

GEO 360 Interpretation of Aerial Photography

Prerequisite: 30 hours.

Detection, identification, and analysis of objects or features from film and digital aerial photography and other types of high resolution remotely sensed images. Laboratory emphasizes manual and digital image interpretation for land cover mapping, forestry, agriculture, geology, and planning applications. Field trip is required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	3	Fall

GEO 363 Introduction to Geographic Information Science

Prerequisite: 30 hours.

Introduction to the foundations of geographic information systems (GIS), digital cartography, global positioning systems (GPS), and remote sensing used in academia, government agencies, and private industries. Topics include maps, data collection, data processing, and data

analysis and display.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	4	Fall, Spring

GEO 551 Remote Sensing

Prerequisite: GEO 360.

Introduction to environmental studies through the application of remotely sensed imagery and geospatial technologies. The course covers principles of remote sensing, interactions of electromagnetic energy with the atmosphere and earth's surface, satellite systems and sensors (electro-optical, thermal, radar and LiDAR). Emphasis is placed on regional and global monitoring, land cover mapping, forestry, agriculture, geology, planning and oceanography. Laboratory emphasizes interpretation of remotely sensed imagery and introduction to digital image processing including enhancements, corrections and classification routines. May be taught concurrently with GEO 651. Cannot receive credit for both GEO 651 and GEO 551.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

GEO 561 Applied Geographic Information Science

Prerequisite: GEO 363 or permission of instructor.

Principles and applications of Geographic Information Systems (GIS) software. Examines the nature and accuracy of spatially referenced data, as well as methods of data capture, storage, retrieval, visualization and output. This course will emphasize the application of GIS to solving geospatial problems in various disciplines. May be taught concurrently with GEO 661. Cannot receive credit for both GEO 661 and GEO 561.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

GEO 562 Internet Geospatial Science

Prerequisite: GEO 561.

Basic understanding of the contemporary standards for using the internet to distribute and utilize geospatial data. Students will set up and maintain a WebGIS server, design maps, and publish maps to the WebGIS server. A major part of the course will examine the development of WebGIS applications that utilize the published WebGIS services. May be taught concurrently with GEO 662. Cannot receive credit for both GEO 662 and GEO 562.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GEO 566 Advanced Geographic Information Science

Prerequisite: GEO 561.

A theoretical and practical examination of analytical methods used in GIS, including point pattern/clustering analysis, global and local spatial autocorrelation, analysis of fields, spatial interpolation, map overlay and cartographic modeling, and new approaches to spatial analysis. May be taught concurrently with GEO 666. Cannot receive credit for both GEO 666 and GEO 566.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GEO 568 Thematic Cartography

Prerequisite: GEO 561.

Theoretical and applied aspects of map design in thematic mapping, animated mapping, interactive and web mapping. Emphasis will be applying computer-assisted mapping techniques of the problems of effective and efficient communication of spatial data. Field trip is required. May be taught concurrently with GEO 668. Cannot receive credit for both GEO 568 and GEO 668.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GEO 569 Landscape Analysis

Prerequisite: GEO 200 or GEO 363 or permission of instructor.

A project-based exploration of geospatial methods and processing techniques for the analysis, modeling, and prediction of hydrologic and geomorphic processes at various landscape scales. An emphasis will be placed on the applications of digital elevation models, remotely sensed data, and modeling techniques to understand landscape processes of interest to fields such as geology, physical geography, agriculture, soils, ecological systems, and archaeology. May be taught concurrently with GEO 669. Cannot receive credit for both GEO 569 and GEO 669.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	2	Fall (even-numbered years)

GEO 572 Introduction to Photogrammetry and LiDAR Technology

Recommended Prerequisite: GEO 360. Course covers basic concepts of photogrammetry and LiDAR techniques such as stereo feature extraction, orthophoto, LiDAR point cloud visualization and DEM/DTM generation. Laboratory emphasizes geospatial stereo feature extraction using digital photogrammetry software, ArcGIS and Matlab toolboxes. May be taught concurrently with GEO 572. Cannot receive credit for both GEO 572 and GEO 672.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

GEO 573 Geographic Information Science Programming

Prerequisite: GEO 561; and either CIS 202 or CSC 121 or CSC 125.

Course devoted to theories and processes of analytical and automated Geographic Information Science (GIS). Principal topics covered are spatial programming, geographic data storage, computer map rendering, application customization and automation and human interface development of GIS. Advanced GIS and programming skills for professional development are emphasized. May be taught concurrently with GEO 673. Cannot receive credit for both GEO 673 and GEO 573.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GEO 575 GPS Surveying and Mapping

Prerequisite: 30 hours.

Theory and operation of global positioning systems (GPS) hardware and software. Including mission planning, measurement of point, line and area features, differential correction techniques and waypoint navigation. Field exercises required. May be taught concurrently with GEO 675. Cannot receive credit for both GEO 675 and GEO 575.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

GEO 578 Remote Sensing Digital Image Processing

Prerequisite: GEO 551 or GEO 566 or GEO 572.

Advanced application of remote sensing digital image processing in areas of interest such as land use/land cover mapping, agriculture, forestry, resource planning and geology. Course covers image visualization, image correction, classification algorithms and change detection methods. Laboratory emphasizes advanced image processing techniques using ENVI software. May be taught concurrently with GEO 678. Cannot receive credit for both GEO 678 and GEO 578.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GEO 597 Topics in Geospatial Science

Prerequisite: permission.

Detailed treatment of a selected topic in Geospatial Science that may vary from offering to offering. Variable content course. May be repeated for a total of 7 hours. May be taught concurrently with GEO 697. Cannot receive credit for the same topic in both GEO 597 and GEO 697.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

GEO 651 Remote Sensing

Recommended Prerequisite: GEO 360. Introduction to environmental studies through the application of remotely sensed imagery and geospatial technologies. The course covers principles of remote sensing, interactions of electromagnetic energy with the atmosphere and earth's surface, satellite systems and sensors (electro-optical, thermal, radar and LiDAR). Emphasis is placed on regional and global monitoring, land cover mapping, forestry, agriculture, geology, planning and oceanography. Laboratory emphasizes interpretation of remotely sensed imagery and introduction to digital image processing including enhancements, corrections and classification routines. May be taught concurrently with GEO 551. Cannot receive credit for both GEO 551 and GEO 651.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

GEO 661 Applied Geographic Information Science

Recommended Prerequisite: GEO 363 or permission of instructor. Principles and applications of Geographic Information Systems (GIS) software. Examines the nature and accuracy of spatially referenced data, as well as methods of data capture, storage, retrieval, visualization and output. This course will emphasize the application of GIS to solving geospatial problems in various disciplines. May be taught concurrently with GEO 561. Cannot receive credit for both GEO 661 and GEO 561.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

GEO 662 Internet Geospatial Science

Recommended Prerequisite: GEO 561 or GEO 661. Basic understanding of the contemporary standards for using the internet to distribute and utilize geospatial data. Students will set up and maintain a WebGIS server, design maps, and publish maps to the WebGIS server. A major part of the course will examine the development of WebGIS applications that utilize the published WebGIS services. May be taught concurrently with GEO 562. Cannot receive credit for both GEO 562 and GEO 662.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GEO 666 Advanced Geographic Information Science

Recommended Prerequisite: GEO 561 or GEO 661. A theoretical and practical examination of analytical methods used in GIS, including point pattern/clustering analysis, global and local spatial autocorrelation, analysis of fields, spatial interpolation, map overlay and cartographic modeling, and new approaches to spatial analysis. May be taught concurrently with GEO 566. Cannot receive credit for both GEO 566 and GEO 666.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GEO 668 Thematic Cartography

Recommended Prerequisite: GEO 561 or GEO 661. Theoretical and applied aspects of map design in thematic mapping, animated mapping, interactive and web mapping. Emphasis will be applying computer-assisted mapping techniques of the problems of effective and efficient communication of spatial data. Field trip is required. May be taught concurrently with GEO 568. Cannot receive credit for both GEO 668 and GEO 568.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GEO 669 Landscape Analysis

Prerequisite: GEO 363.

A project-based exploration of geospatial methods and processing techniques for the analysis, modeling, and prediction of hydrologic and geomorphic processes at various landscape scales. An emphasis will be placed on the applications of digital elevation models, remotely sensed data, and modeling techniques to understand landscape processes of interest to fields such as geology, physical geography, agriculture, soils, ecological systems, and archaeology. May be taught concurrently with GEO 569. Cannot receive credit for both GEO 669 and GEO 569.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	2	Fall (even-numbered years)

GEO 672 Introduction to Photogrammetry and LiDAR Technology

Recommended Prerequisite: GRY 360. Course covers basic concepts of photogrammetry and LiDAR techniques such as stereo feature extraction, orthophoto, LiDAR point cloud visualization and DEM/DTM generation. Laboratory emphasizes geospatial stereo feature extraction using digital photogrammetry software, ArcGIS and Matlab toolboxes. May be taught concurrently with GEO 572. Cannot receive credit for both GEO 572 and GEO 672.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

GEO 673 Geographic Information Science Programming

Recommended Prerequisite: GEO 561 or GEO 661, and either CIS 202 or CSC 121 or CSC 125. Course devoted to theories and processes of analytical and automated Geographic Information Science (GIS). Principal topics covered are spatial programming, geographic data storage, computer map rendering, application customization and automation and human interface development of GIS. Advanced GIS and programming skills for professional development are emphasized. May be taught concurrently with GEO 573. Cannot receive credit for both GEO 573 and GEO 673.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GEO 675 GPS Surveying and Mapping

Theory and operation of global positioning systems (GPS) hardware and software. Including mission planning, measurement of point, line and area features, differential correction techniques and waypoint navigation. Field exercises required. May be taught concurrently with GEO 575. Cannot receive credit for both GEO 575 and GEO 675.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

GEO 678 Remote Sensing Digital Image Processing

Prerequisite: GEO 551 or GEO 651 or GEO 566 or GEO 666 or GEO 572 or GEO 672.

Advanced application of remote sensing digital image processing in areas of interest such as land use/land cover mapping, agriculture, forestry, resource planning and geology. Course covers image visualization, image correction, classification algorithms and change detection methods. Laboratory emphasizes advanced image processing techniques using ENVI software. May be taught concurrently with GEO 578. Cannot receive credit for both GEO 578 and GEO 678.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

GEO 697 Topics in Geospatial Science

Prerequisite: permission.

Detailed treatment of a selected topic in Geospatial Science that may vary from offering to offering. Variable content course. May be repeated for a total of 7 hours. May be taught concurrently with GEO 597. Cannot receive credit for the same topic in both GEO 597 and GEO 697.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

GEO 700 Introduction to Graduate Study in Geography, Geology and Planning

This course serves as a foundation for students pursing a graduate degree in the Department of Geography, Geology and Planning. First-semester graduate students are introduced to the research interests of the department's faculty, are guided in effective strategies for conducting a literature search and are mentored in the effective development of a research proposal.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

GEO 701 Graduate Research Methods in Geography, Geology and Planning

Prerequisite: GEO 700.

Methods of collecting, organization, and analyzing data pertinent to graduate study in geography, geology and planning. Emphasis will be on the application of univariate and multivariate statistical techniques and other quantitative techniques pertinent to mathematically and statistically modeling problems in geography, geology and planning.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

GEO 705 Geography, Geology, and Planning Seminar

This course consists of a series of oral presentations to be made by faculty members, students, and guest speakers from industry, academe and government on new developments in geography, geology or planning. Graded Pass/Not Pass. Repeatable to a maximum of 3 credit hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

GEO 755 Applications of Digital Cartography, Analytical Photogrammetry, and Remote Sensing

Prerequisite: permission.

Advanced application of aerial photography and digital imagery, analytical photogrammetry, remote sensing, digital cartography and other geospatial technologies in areas of interest such as land use/land cover mapping, landscape ecology, agriculture, forestry, resource planning, geology, and soils. Since credit and topics vary, the course may be repeated for a maximum of 7 hours with permission.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

GEO 770 Advanced Field and Laboratory Methods

Advanced training in laboratory and field methods in geography and geology. Topics will vary due to faculty expertise or student interest. Examples include watershed monitoring techniques, geochemical techniques, and field studies in remote areas. Field trips are required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

GEO 780 Research Paper in Geospatial Sciences

Prerequisite: permission.

Extensive research paper on selected topic to be presented orally at a departmental seminar or professional meeting. Exclusively used to satisfy requirements for non-thesis option.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

Planning (PLN) courses

PLN 100 Understanding Cities

Prerequisite: 12 hours.

General Education Course (Focus on Public Issues).

This course provides an introduction to understanding metropolitan issues from a variety of viewpoints. It will explore questions such as: What is a city? What is the relationship between the natural and built environments? How do planners create a sustainable city? How do people perceive cities? How do planners work with diverse communities? What are their current issues and problems? How will cities respond to a changing world economy and the globalization of culture? This course will help students recognize community needs and how to contribute knowledge and work within diverse communities to meet those needs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	URBN 202 - Introduction to Urban Studies.

Access the CORE 42 portal

PLN 300 Graphic Communication for Planners

Focuses on planning graphics, visual analysis, graphic design, diagramming, photo- editing techniques, spreadsheets, and the developing of a portfolio. The graphics and computer techniques as well as the oral and written skills which are used by planners to communicate information to the public and elected officials are emphasized.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLN 367 Planning Methods

Introduces data collection, sampling methods, statistical procedures and analysis, changing demographic characteristics, economic analysis, population projection methodologies and computer application in data analysis. Cannot receive credit for both PLN 367 and GRY 367.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLN 371 History and Introduction to Planning

This course provides an introduction to planning and a critical analysis of past and present planning concepts in terms of social, economic,

political, and urban design aspects. It analyzes the development of urban form in different eras, and assesses its success and failure to meet the needs of diverse users. It also examines the history and forces behind the development of the planning profession in the United States.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLN 372 Planning Theory and Ethics

Prerequisite: PLN 371.

This course aims to introduce students to the theories of city and regional planning. Specifically, it examines the need for theory in planning and overviews the evolution of planning paradigms from the beginning of the 20th century to the present. Additionally, the following issues are investigated: why plan; how to planners plan; how can planning be achieved in a pluralistic society; what are the values and ethics of planners? Finally, a major aim is for students to appreciate the link between theory and praxis. Field trip required.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLN 397 Selected Topics in Planning

Course devoted to a single topic which may vary from semester to semester depending upon student and faculty interest. Since credit and topics vary, this course may be repeated, with permission, to a total of 5 hours credit. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PLN 505 Social Planning

This course will address planning practice in relation to values of justice, equity, fairness, and efficiency. In particular the course will focus upon inclusion of different community groups within the planning decision making process. A field project is required. May be taught concurrently with PLN 605. Cannot receive credit for both PLN 505 and PLN 605.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLN 570 Planning Law

Study of the legal foundations of land use controls. Topics include historic legal cases establishing government intervention in private development zoning, subdivision, growth management, individual liberty, environmental regulation and the general welfare concept. May be taught concurrently with PLN 670. Cannot receive credit for both PLN 570 and PLN 670.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLN 571 Land Use Planning

Prerequisite: PLN 371 or PLN 372 or FIN 266.

Focuses on conceptual and analytical techniques of land use planning, including land use analysis, planning studies and procedures, and the synthesis of planning elements through comprehensive plan development. The course also explores land use planning with regard to social justice and sustainability, diverse communities, and resiliency planning. May be taught concurrently with PLN 671. Cannot receive credit for both PLN 571 and PLN 671.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLN 572 Community Planning Practicum

Prerequisite: PLN 571; Recommended **Prerequisite:** PLN 367.

This course provides students the opportunity to apply the accumulated knowledge of planning theory and skills learned throughout the program. It focuses on the process of community planning and plan development. It also provides experience in the application of planning principles and analytic techniques to an actual planning scenario. Students will work on an individual basis and as part of a team to create a planning document. Field trip(s) required. May be taught concurrently with PLN 672. Cannot receive credit for both PLN 572 and PLN 672. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Spring

PLN 573 Urban Design and Preservation

Prerequisite: PLN 271 and GRY 322.

Elements of urban design and preservation in relation to social, economic, and political forces; the role of the urban designer in the planning process. May be taught concurrently with PLN 673. Cannot receive credit for both PLN 673 and PLN 573.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLN 574 Open Space Planning

Principles and methods of open space planning. Students will learn about the relationship between open space and the quality of life in cities and will obtain a foundation for conducting open space planning projects. Class format includes lecture, seminar and studio. Field problem required. May be taught concurrently with PLN 574. Cannot receive credit for both PLN 574 and PLN 674.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

PLN 576 Site Planning and Design Studio

Prerequisite: PLN 371 and PLN 372.

Focuses on the principles of site planning approaches in evaluating, planning, and designing sites within the context of natural and cultural systems. Provides a foundation for conducting any type of site planning project. A specific site in the region is studied and plans are developed for present and future use. May be taught concurrently with PLN 676. Cannot receive credit for both PLN 676 and PLN 576.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall

PLN 596 Research in Planning

Prerequisite: permission.

Enrichment through guided but independent, original research in planning and planning related subject areas. May be repeated to a total of 6 hours. May be taught concurrently with PLN 696. Cannot receive credit for both PLN 696 and PLN 596.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

PLN 597 Selected Topics in Planning

Detailed treatment of various advanced topics in planning which may vary from semester to semester. Some typical topics: Economic Development Planning, Rural and Small Town Planning, Housing in America. Since credit and topics vary, the course may be repeated to a total of 6 hours. Variable content course. May be taught concurrently with PLN 697. Cannot receive credit for both PLN 697 and PLN 597.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

PLN 599 Internship in Community and Regional Planning

Prerequisite: 90 hours and PLN 571.

Work in community or regional planning agency. Students are monitored by Planning faculty and supervisory personnel of the planning agency. May be repeated to a total of 6 hours. May be taught concurrently with PLN 699. Cannot receive credit for both PLN 699 and PLN 599.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

PLN 605 Social Planning

This course will address planning practice in relation to values of justice, equity, fairness, and efficiency. In particular the course will focus upon inclusion of different community groups within the planning decision making process. A field project is required. May be taught concurrently with PLN 505. Cannot receive credit for both PLN 605 and PLN 505.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLN 670 Planning Law

Study of the legal foundations of land use controls. Topics include historic legal cases establishing government intervention in private development zoning, subdivision, growth management, individual liberty, environmental regulation and the general welfare concept. May be taught concurrently with PLN 570. Cannot receive credit for both PLN 570 and PLN 670.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLN 671 Land Use Planning

Recommended Prerequisite: PLN 271 or PLN 372 or FIN 266. Focuses on conceptual and analytical techniques of land use planning, including land use analysis, planning studies and procedures, and the synthesis of planning elements through comprehensive plan development. The course also explores land use planning with regard to social justice and sustainability, diverse communities, and resiliency planning. May be taught concurrently with PLN 571. Cannot receive credit for both PLN 571 and PLN 671.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PLN 672 Community Planning Practicum

Recommended Prerequisite: PLN 367. This course provides students the opportunity to apply the accumulated knowledge of planning theory and skills learned throughout the program. It focuses on the process of community planning and plan development. It also provides experience in the application of planning principles and analytic techniques to an actual planning scenario. Students will work on an individual basis and as part of a team to create a planning document. Field trip(s) required. May be taught concurrently with PLN 572. Cannot receive credit for both PLN 572 and PLN 672.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Spring

PLN 673 Urban Design and Preservation

Recommended Prerequisite: PLN 271 and GRY 322. Elements of urban design and preservation in relation to social, economic, and political forces; the role of the urban designer in the planning process. May be taught concurrently with PLN 573. Cannot receive credit for both PLN 573 and PLN 673.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PLN 674 Open Space Planning

Principles and methods of open space planning. Students will learn about the relationship between open space and the quality of life in cities and will obtain a foundation for conducting open space planning projects. Class format includes lecture, seminar and studio. Field problem required. May be taught concurrently with PLN 574. Cannot receive credit for both PLN 574 and PLN 674.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

PLN 676 Site Planning and Design Studio

Recommended Prerequisite: PLN 371 and PLN 372. Focuses on the principles of site planning approaches in evaluating, planning, and designing sites within the context of natural and cultural systems. Provides a foundation for conducting any type of site planning project. A specific site in the region is studied and plans are developed for present and future use. May be taught concurrently with PLN 576. Cannot receive credit for both PLN 576 and PLN 676.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall

PLN 696 Research in Planning

Prerequisite: permission.

Enrichment through guided but independent, original research in planning and planning related subject areas. May be repeated to a total of 6 credit hours. May be taught concurrently with PLN 596. Cannot receive credit for both PLN 596 and PLN 696.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

PLN 697 Selected Topics in Planning

Detailed treatment of various advanced topics in planning which may vary from semester to semester. Some typical topics: Economic Development Planning, Rural and Small Town Planning, Housing in America. Variable content course. May be repeated to a total of 6 hours. May be taught concurrently with PLN 597. Cannot receive credit for both PLN 597 and PLN 697.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

PLN 699 Internship in Community and Regional Planning

Recommended Prerequisite: PLN 571. Work in community or regional planning agency. Students are monitored by Planning faculty and supervisory personnel of the planning agency. May be repeated to a total of 6 hours. May be taught concurrently with PLN 599. Cannot receive credit for both PLN 599 and PLN 699.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring, Summer

PLN 704 Community Resource Planning

Explanation of community growth and change. Review of public and private agency programs. Topics may focus on small towns and rural areas as well as urban and metropolitan areas. Since credit and topics vary, the course may be repeated for a maximum of 7 hours with permission.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Applied Geophysics Certificate

Applied Geophysics

This certificate provides a program for students and professionals who desire knowledge of the methods and theories of applying geophysical techniques to the study of Earth systems.

Program requirements (12 hours)

A. GLG 590(3), 591(3)
B. Select two of the following: GLG 573(3), 574(3); MTH 302(3), 303(3); PHY 291(3), 391(3)
C. All candidates must satisfy the General University Certificate Requirements.

Note: Students completing a major other than Geology may request a waiver of the GLG 340 prerequisite requirement for GLG 591 if they have completed either MTH 302 or 303 and either PHY 291 or 391.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Applied Geospatial Science Certificate

Applied Geospatial Science

This certificate provides a program for students and professionals who desire knowledge and credentials in the application of Geographic Information Science as a tool for solving problems in various disciplines.

Program requirements (16-17 hours)

1. GEO 200(3), 363(4), 551(3), 561(3)
2. Select three to four additional hours from the following list of approved courses which integrate Geospatial Science topics and hands-on skills within their disciplinary context: GEO 360(3), 569(3): GLG 340(4), 412(4); GLG 547(3) or BIO 547(3)
3. All candidates must satisfy the General University Certificate Requirements

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Community and Regional Planning

Major(s)

Community and Regional Planning (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements (45-46 hours)
   1. PLN 100(3) or GRY 100(3) or GRY 108(3) or GRY 142(4) or GLG 110(4) or GLG 171(3); PLN 300(3), 367(3), 371(3), 372(3), 570(3), 571(3), 572(4), 576(4), 599(3); GRY 322(3) or 325(3); GEO 363(4), SOC 302(3)
   2. Select an additional 3 hours from PLN courses numbered above 300.
   3. Public Affairs Capstone Experience will be fulfilled by completion of PLN 572(4).
C. General Baccalaureate Degree Requirements

Minor(s)

Community and Regional Planning

Bachelor of Science

A. PLN 367(3), 371(3), 372(3), 571(3)
B. PLN 572(4) or 576(4)

Accelerated graduate program in Geography and Geology

Eligible Missouri State undergraduate students may apply for admission to the Geography and Geology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate certificate in Science Content

Eligible Missouri State undergraduate students may apply for admission to the Science Content certificate program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate certificate (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Engineering Geology Certificate

Engineering Geology

This certificate will allow geology majors to document additional competencies relevant to careers in the geotechnical and civil/environmental engineering fields. Engineering students will gain additional perspectives on the geological aspects of civil engineering. Students from related majors interested in careers in the geotechnical industry will also gain career-relevant skills that complement their area of major study.

Program requirements (13 hours)

A. GRY 275(3), GLG 110(4), GLG 573(3)
B. Select one of the following: GLG 572(3), 580(3), 590(3)
C. All candidates must satisfy the General University Certificate Requirements.

Note: The GLG prerequisites for GLG 573, 572, 580 and 590 may be waived for non-geology majors at the discretion of the department head, assuming that student has already completed GLG 110 and any MTH prerequisites for the course.

Note: Students in the cooperative engineering program may contact the Geography, Geology, and Planning department head to request a substitution for GLG 572.

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Environmental Geoscience Certificate

Environmental Geoscience

This certificate provides students the opportunity to develop an understanding of the theories and applications of environmental and conservation principles and the problem-solving approaches used to address environmental issues.

Program requirements (13-14 hours)

1. GRY 135(4) or GRY 351(3)
2. GLG 171(3) and GLG 172(1)
3. GLG 580(3) or CHM 460(3)
4. GRY 108(3) or GLG 547(3)
5. All candidates must satisfy the General University Certificate Requirements.

Note: The GLG 172 requirement will be waived for students passing GLG 110 with a grade of C or better.

Note: Students enrolled in sections of BIO 547 cross-listed with GLG 547 may count that course in place of GLG 547.

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Geographic Information Sciences Certificate

Geographic Information Sciences

This certificate provides a program for students and professionals who desire credentials in this area.

Program requirements (16 hours)

A. GEO 360(3), 363(4), 551(3), 561(3)
B. Select three additional hours from GEO courses.
C. All candidates must satisfy the General University Certificate Requirements.

Completion requirement

Attain a GPA of 2.75 or higher for all courses used to fulfill the certificate requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Geography

Major(s)

Geography (Non-Comprehensive)

Bachelor of Arts

A. General Education Program and Requirements
B. Major Requirements (35 hours)
    1. GRY 100(3), GRY 142(4), GEO 363(4), PLN 367(3)
    2. Complete one of the following: GRY 300(3), 305(3)
    3. Related requirement (3 hours): AGR 330(3) or MTH 340(3) or PSY 200(3) or QBA 237(3) or REC 328(3) or SOC 302(3)
    4. Public Affairs Capstone Experience. Complete one of the following: GRY 301(3) or 353(3) or 470(3). Field courses offered by other departments may be substituted with permission of the Department Head and, for some students, a 3-hour Study Away experience may be substituted.
    5. Complete 12 additional hours with GRY, GEO, or PLN prefix.
C. Minor Required (or second major)
D. Specific Bachelor of Arts Degree Requirements
E. General Baccalaureate Degree Requirements

Geography (Non-Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements (35 hours)
    1. GRY 100(3), GRY 142(4), GEO 363(4), PLN 367(3)
    2. Complete one of the following: GRY 300(3), 305(3), 316(3), 318(3), 320(3), 321(3), 322(3), 323(3), 325(3)
    3. Related Requirement (3 hours): AGR 330(3) or MTH 340(3) or PSY 200(3) or QBA 237(3) or REC 328(3) or SOC 302(3)
    4. Public Affairs Capstone Experience. Complete one of the following: GRY 301(3) or 353(3) or 470(3). Field courses offered by other departments may be substituted with permission of the Department Head and, for some students, a 3-hour Study Away experience may be substituted.
    5. Complete 12 additional hours with GRY, GEO, or PLN prefix.
C. Minor Required (or second major)
D. General Baccalaureate Degree Requirements

Minor(s)

Geography

Bachelor of Arts

Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)

A. GRY 100(3), 142(4), 363(4)

B. Additional upper division electives in GRY, GEO, or PLN to total at least 17 hours.

Accelerated graduate program in Geography and Geology

Eligible Missouri State undergraduate students may apply for admission to the Geography and Geology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate certificate in Science Content

Eligible Missouri State undergraduate students may apply for admission to the Science Content certificate program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate certificate (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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https://www.missouristate.edu/registrar/catalog/prog-geography.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Geologic Foundations Certificate

Geologic Foundations

This certificate provides a program for students who desire knowledge of the basic principles of geology and a credential that demonstrates this preparation as they compete for geology-related internships, directed research experiences, and admission to geology field camps. This certificate is also appropriate for students who will benefit from a basic understanding of geologic principles as a complement to their major area of study

Program requirements (13-14 hours)

A. GLG 110(4), 314(3), 332(3)
B. Select one of the following: GLG 333(3), 334(3), 340(3)
C. All candidates must satisfy the General University Certificate Requirements

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Geology

Major(s)

Geology (Comprehensive)

Bachelor of Science

This degree program is designed for those who wish to seek admission to graduate school in geology or related fields.

A. General Education Program and Requirements
B. Major Requirements (65-71)
   1. GLG 110(4) or both GLG 171(3) and GLG 172(1); GLG 314(3), 332(3), 333(3), 334(3), 340(4), 358(3), 570(3)
   2. Complete 6 hours from GLG 412 or GLG 413 or equivalent pre-approved Field Geology course transferred from another university.
   3. Select a minimum of 10 additional hours of GLG courses numbered 318 or higher, with at least 6 of these hours from GLG courses numbered 400 or higher.
   4. GEO 363(4)
   5. CHM 160(4), 161(1); PHY 123(4) or 203(5); MTH 261(5) or 287(3)
   6. Complete 7 to 10 hours of courses from two of the following groups:
      a. CHM 170(3) and 171(1)
      b. PHY 124(4) or 204(5)
      c. MTH 280(5) or 288(3)
   7. Public Affairs Capstone Experience will be fulfilled by completion of GLG 358(3).
C. General Baccalaureate Degree Requirements

Geology (Non-Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements (45-47 hours)
   1. GLG 110(4) or both GLG 171(3) and GLG 172(1); GLG 314(3), 332(3), 333(3), 334(3), 340(4), 358(3)
   2. Complete 4 hours from GLG 412 or GLG 413 or equivalent pre-approved Field Geology course transferred from another university.
   3. Complete 3 hours from GLG courses numbered 318 or higher.
   4. Complete additional 3 hours from GLG courses numbered 400 or higher.
   5. CHM 160(4), 161(1)
   6. MTH 138(5) or 287(3)
   7. GEO 363(4)
   8. Public Affairs Capstone Experience will be fulfilled by completion of GLG 358(3).
C. Minor Required (or second major). Geology majors wishing to emphasize paleontology should minor in biology.
D. General Baccalaureate Degree Requirements

Minor(s)

Geology

Bachelor of Arts

A. GLG 110(4) or both GLG 171(3) and 172(1); GLG 314(4); four hours of GLG 360(1-3) or 412(4)
B. Three additional hours of GLG courses numbered 318 or higher.

Geology

Bachelor of Science

A. GLG 110(4) or both GLG 171(3) and 172(1); GLG 314(4); four hours of GLG 360(1-3) or 412(4)
B. Six additional hours of GLG courses numbered 318 or higher.

Accelerated graduate program in Geography and Geology

Eligible Missouri State undergraduate students may apply for admission to the Geography and Geology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate certificate in Science Content

Eligible Missouri State undergraduate students may apply for admission to the Science Content certificate program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate certificate (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

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Geospatial Sciences

Major(s)

Geospatial Sciences (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements (52-53 hours)
   1. GRY 100(3) or GRY 108(3) or GRY 135(3) or GRY 142(3) or PLN 100(3) or GEO 200(3) or GLG 110(4) or GLG 171(3)
   2. GRY 301(3) or 353(3) or 470(3)
   3. GEO 360(3), GEO 363(4), PLN 367(3)
   4. GEO 551(3), 561(3), 562(3), 566(3), 568(3), 572(3)
   5. CSC 130(3)
   6. AGR 330(3) or MTH 340(3) or PSY 200(3) or QBA 237(3) or REC 328(3) or SOC 302(3)
   7. Complete 3 additional hours from GEO prefix.
   8. Complete 9 additional hours from the following: GEO or GRY courses numbered 275 or higher; TCM 110(3); MTH 138(5), 181(3); 261(5) or 287(3); 280(5) or 288(3); CSC 131(4), 335(3)
   9. Public Affairs Capstone Experience will be fulfilled by completion of either GRY 301(3) or 353(3) or 470(3).
C. General Baccalaureate Degree Requirements

Minor(s)

Geospatial Sciences

Bachelor of Science

A. GEO 200(3) or GRY 1003) or GRY 108(3) or GRY 135(3) or GRY 142(3) or PLN 100(3) or GLG 110(4) or GLG 171(3).
B. GEO 360(3), 363(4), 551(3)
C. Complete three additional hours from GEO courses numbered 300 or higher. Note: Students majoring in geography must complete six hours of GEO courses numbered 300 or higher to avoid overlap with the major degree requirements.

Accelerated graduate program in Geography and Geology

Eligible Missouri State undergraduate students may apply for admission to the Geography and Geology program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin

taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate certificate in Science Content

Eligible Missouri State undergraduate students may apply for admission to the Science Content certificate program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate certificate (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
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Global Studies

Minor(s)

Global Studies

Bachelor of Arts

Bachelor of Science

A. GRY 100(3), 305(3); GRY 320(3) or 321(3) or 323(3)
B. Nine additional hours in regional geography courses selected from: GRY 305(3), 316(3), 318(3), 320(3), 321(3), 323(3), 429(3), 507(3). Note: GRY 305(3) is a variable content course that may be repeated with new content.

Because of course overlap, this minor cannot be used by students selecting the Cultural and Regional Geography option in the BS major in Geography.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Globalization and Sustainability Certificate

Globalization and Sustainability

This certificate provides a foundational experience in the areas of Geography that informs students about the political and economic forces leading to global interconnectedness and the concurrent challenges of sustaining economic and environmental systems in a rapidly evolving world.

Program requirement (12 hours)

1. GRY 100(3), GRY 108(3), PLN 100(3)
2. Select three additional hours from: GRY 305(3), 316(3), 318(3), 320(3), 321(3), 322(3), 323(3), 351(3), 353(3), 429(3), 470(3) or approved Study Away program.
3. All candidates must satisfy the General University Certificate Requirements.

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Paleontology Certificate

Paleontology Certificate

This certificate provides a program for students and professionals who desire a foundational knowledge of paleontology or are preparing for graduate study in paleontology.

Program requirements (12-14 hours)

1. GLG 115(3), GLG 415(4)
2. Select two of the following (5-7 hours): ANT 125(3), 304(3), 375(3); BIO 122(4), 501(2), 515(3), 539(3); GLG 314(3)
3. All candidates must satisfy the General University Certificate Requirements

Note: The GLG 314 prerequisite requirement for GLG 415 will be waived upon request for Biology, Anthropology, or students with similar backgrounds.

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

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Missouri State

Petroleum Geology Certificate

Petroleum Geology

This certificate provides students the opportunity to demonstrate competencies that are in demand among employers in the petroleum and gas industry.

Program requirements (12 hours)

1. GLG 570(3)
2. GLG 572(3) or GLG 580(3)
3. GLG 574(3)
4. GLG 590(3) or GLG 591(3)
5. All candidates must satisfy the General University Certificate Requirements.

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

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Missouri State

Office of the Registrar
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Small Town Planning and Development Certificate

Small Town Planning and Development

This certificate provides a program for city employees (including city administrators), planning commissioners, council members, developers, and other practitioners who wish to familiarize themselves with the basics of the planning profession. Students interested in obtaining this certificate are welcome to enroll.

Program requirements (13 hours)

A. PLN 371(3) or 372(3); PLN 572(4) or 576(4)
B. Select six additional hours from GRY 322(3) or PLN courses numbered above 371.
C. All candidates must satisfy the General University Certificate Requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Sustainable Tourism Development

Minor(s)

Sustainable Tourism Development

Bachelor of Arts

Bachelor of Science

A. GRY 108(3), 310(3), 429(3), 510(3); HSP 340(3)
B. Complete one of the following: ANT 314(3), 514(3), 516(3), 550(3); GRY 318(3), 321(3), 322(3), 325(3); MKT 350(3), 474(3); PLN 371(3); PLS 573(3); REC 302(3); SOC 319(3)

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Hospitality Leadership

Programs

Indicates accelerated graduate program is available

Undergraduate

Hospitality Leadership (BS, BAS)

Food and Beverage Operations (Certificate)

Graduate

Hospitality Administration (Certificate)

Courses are offered toward the option in Hospitality Administration within the Professional Studies program (MPS)

Accreditation

Accreditation Commission for Programs in Hospitality Administration – Hospitality Leadership (BS)

Mission statement

The Department of Hospitality Leadership at Missouri State University is committed to creating an environment of academic excellence. We prepare our students to be ethical leaders in the hospitality and tourism industries by providing an environment where meaningful learning and development is a priority. We serve our constituencies through quality teaching, community engagement, and relevant focused research.

Contact

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Missouri State

Office of the Registrar
Undergraduate Catalog

Hospitality Leadership Faculty

Associate professors

Albert A. Barreda, PhD

Daniel D. Crafts, EdD

Stephanie G. Hein, EdD

Assistant professors

Liza M. Cobos, PhD

Jokima L. Hiller, MBA

Yoshimasa Kageyama, PhD

Senior instructor

Abigale S. Ehlers, MSEd

Instructors

Jokima L. Hiller, MBA

Wajeana G. White, BS

Emeritus faculty

Melanie A. Grand, MSEd

Henry C. Huitt, MSEd

Loanna Thompson, PhD

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Missouri State

Hospitality Leadership Courses

Hospitality Leadership (HSP) courses

HSP 210 Introduction to Hospitality Leadership

This course is designed to examine the leadership processes, concepts, and principles and to improve personal competence in decision-making, problem solving, motivation, and communication as they relate to the hospitality industry.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HSP 215 Introduction to Lodging Management

Prerequisite: HSP 210 or concurrent enrollment.

A study of the fundamentals of how lodging operations are managed from a rooms perspective. Practical examples are used to familiarize students with the line management aspects of reservations, registration, occupancy, and checkout and the settlement procedures in various lodging market segments.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HSP 218 Safety and Sanitation

Prerequisite: HSP 210 or concurrent enrollment or permission.

Introduction to food service sanitation and safety practices pertinent to hospitality management. Emphasis on sanitation requirements, safe food handling, storage practices and accident prevention.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HSP 300 Special Topics in Hospitality Leadership

Prerequisite: permission of Department Head.

Selected topics of contemporary interest in hospitality leadership. Offered when resources and demand allow. May be repeated for a total of 6 hours when topics change. Variable Content Course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

HSP 302 Hospitality Leadership Study Tour

Prerequisite: permission of Department Head.

Study of and visits to museums, international hospitality tours, historic sites, trade shows, conferences, and conventions related to the hospitality industry. May be taken for a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

HSP 310 Analyzing Financial Performance in Hospitality Operations

Prerequisite: MTH 130 or higher; and HSP 210 and HSP 215 and ACC 201.

Financial techniques in forecasting, budgeting, and performance measurement, and the application of the hospitality industry uniform system of accounts are covered in this course as they apply to operational and fiscal decision making.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HSP 315 Advanced Lodging Management

Prerequisite: HSP 210 and HSP 215 and ACC 201.

Students in this course will analyze the lodging industry in depth. Critical thinking skills are stressed as students are exposed to different viewpoints within a coherent theoretical structure, enabling them to formulate their own ideas and solutions. Current trends and challenges in lodging are also studied in depth.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HSP 321 Principles of Food Preparation

Prerequisite: HSP 218.

Students in this course study the scientific principles and techniques in the selection, preparation and preservation of food including fundamental principles of nutrition and diet.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall, Spring

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall, Spring

HSP 325 Cultural Cuisine

Prerequisite: permission of instructor.

A course designed to extensively explore various cultures through a hands-on culinary experience. May be repeated for a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

HSP 330 Banquet Operations

Prerequisite: HSP 210 and HSP 321; and Hospitality Leadership major or enrolled in Food and Beverage Operations certificate program.

This course provides students with practical skills and knowledge for effective management of food and beverage practices, from the preparation of quantity foods to its service. Laboratory arranged.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

HSP 340 Destination Development

Prerequisite: HSP 410 or concurrent enrollment; or GRY 310.

This course offers a systematic study of hospitality businesses and attractions as they apply to destination development. The role of government agencies, private developers, and investors as they pertain to destination development will be studied. Case studies are used extensively which offer examples of successful and unsuccessful development efforts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HSP 345 Club Management

Prerequisite: HSP 210 and HSP 215 and HSP 218.

The purpose of this course is for students to develop an understanding of the private club segment of the hospitality industry and its unique challenges. Students study governance, strategy, marketing membership, human resources, and operations that are specific to the private club segment of the hospitality industry.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

HSP 354 Hospitality Human Resource Development

Prerequisite: HSP 210 and HSP 215 and junior standing.

Study of concepts and applications of interpersonal skills as it relates to the hospitality industry; communication; leadership styles; product enhancement; labor market shortage; conflict resolution; recruitment, training and retention.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HSP 360 Hospitality Facilities Management

Prerequisite: HSP 210 and HSP 215 and ACC 201.

Students in this course study the management of the physical plant of various hospitality enterprises, with a focus on systems, sustainability, design and layout, equipment, development, and renovation. Current facility-related challenges are also addressed

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

HSP 370 Hospitality Industry Revenue Management

Prerequisite: HSP 310.

The course presents the theories, strategies and tactics employed in hospitality revenue management including capacity management, duration control, demand and revenue forecasting, discounting, displacement analysis, and sales mix analysis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

HSP 400 Problems in Hospitality Leadership

Prerequisite: permission of Department Head.

Independent study for those who wish additional work in specific subject areas.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

HSP 409 Beverage Operations

Prerequisite: senior standing; and Hospitality Leadership major or enrolled in Food and Beverage Operations certificate program.

Principles and methods of operating a profitable beverage component in a foodservice business. Topics range from inventory control, accounting, equipment and pricing, to legal responsibilities and liability.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HSP 410 Hospitality Marketing

Prerequisite: HSP 310 or concurrent enrollment; and MKT 150 or MKT 350.

The course is designed to provide students with theory and knowledge which will enable them to develop and interpret strategic marketing plans for hospitality enterprises properties.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HSP 426 Food and Beverage Management

Prerequisite: HSP 321; and MTH 130 or higher; and junior standing; and Hospitality Leadership major or enrolled in Food and Beverage Operations certificate program.

A continuation of the student's familiarization with food service components in the hospitality industry. Menu, planning, pricing, food service accounting, wage and labor cost control, purchasing, portion control, advertising, sales and other food service principles, practices and techniques are analyzed.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HSP 428 Hospitality Law

Prerequisite: junior standing; and Hospitality Leadership major.

The study of the legal aspect of lodging and food service operations. Problem-solving approach applied to liability and litigation problems confronting hospitality executives.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HSP 430 Special Event Planning

Prerequisite: HSP 321; and MKT 150 or MKT 350.

In-depth analysis of management and operational challenges involved in planning and deploying events as they relate to the hospitality industry.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HSP 435 Restaurant Management

Prerequisite: HSP 321; and Hospitality Leadership major or enrolled in Food and Beverage Operations certificate program.

This course is designed to allow students to experience the step-by-step process of operating "Carrie's" Restaurant in Pummill Hall. Students will design the menu, prepare and serve the food and market the restaurant. In addition, students may participate in the planning and execution of various special events in the program. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall, Spring

HSP 436 Casino Operations

Prerequisite: HSP 354 or concurrent enrollment.

This course provides an overview of the gaming industry with an emphasis on casino hotel operations as an integral part of the hospitality industry. Topics include the history of gaming, casino layout and design, surveillance, demographic profiles, psychological profiles, and economic impact.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HSP 480 Global Strategic Management in the Hospitality Industry

Prerequisite: senior standing; and HSP 310; and HSP 410 or concurrent enrollment.

This is an integrative course that focuses on managing the various components of the hospitality industry at both the business and the corporate level. Students use case studies as well as current events in the industry to understand the nature of strategic issues and their management in the hospitality industry.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HSP 490 Advanced Hospitality Leadership

Prerequisite: senior standing; and MTH 130 or higher; and HSP 354 or concurrent enrollment; and Hospitality Leadership major.

An in-depth investigation into leadership principles and practices required of professionals in the hospitality industry. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

HSP 497 International Hospitality Field Study

Prerequisite: HSP 210 and HSP 215 and HSP 218 and permission.

Provides students with first-hand exposure to international issues in hospitality administration. This Study Away experience includes a

Provides students with first hand exposure to international issues in hospitality administration. This Study Away experience includes a preparation phase, a two to three week visit to an international destination where students are immersed in the local culture, and a debrief following the trip. Because credit and destinations vary, the course may be repeated to a total of 6 hours. Graded Pass/Not Pass only. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

HSP 499 Internship in Hospitality

Prerequisite: senior standing; and Hospitality Leadership major; and permission.

Supervised experience in a cooperative program in hospitality. Student must gain experience/exposure in at least three positions during the internship. The student must be paid for the internship and must work a minimum of 750 hours. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
6			Upon demand

HSP 710 Risk Management and Legal Compliance in the Hospitality Industry

In-depth studies of legal issues pertinent to hospitality and tourism firms are the focus of this course. Topical areas include contracts, negligence, and employment, labor, and real estate law. Treaties and international law affecting global trade policy as well as international tourism development receive heavy emphasis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HSP 720 Hospitality Change Management and Leadership

An in-depth investigation of the principles and theories of leading change in hospitality organizations. The processes, skills, and abilities needed to manage change in the industry are stressed. Attention is given to areas hospitality leaders need to address when initiating change such as vision development, team development and motivation, power and influence, performance standards, productivity, and organizational culture. Case studies will be used extensively to address course content.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HSP 730 Seminar in Hospitality and Tourism

Prerequisite: HSP 710 and HSP 720.

An evaluation and analysis of the theory, research, and practice involved in hospitality and tourism fields. The course involves an integrative learning experience where students will have the opportunity to engage in an applied research project.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

HSP 798 Field Experience in Hospitality Administration

Prerequisite: HSP 710 and HSP 720; and HSP 730 or concurrent enrollment; and application approval.

The field experience is the culminating course for students in the Hospitality Administration Certificate Program. This course provides the students with direct leadership experience in the hospitality industry. Possible field experience sites include hotels, restaurants, institutional foodservice operations, country clubs, senior living facilities, convention and visitors bureaus, tourism-related companies, stadiums, entertainment venues, cruise lines, and many others. An intentional match will be made between the student's career aspirations, the field experience site, and the industry segment. Student must successfully complete at least 300 hours of field experience and well as a seminar paper.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3			Upon demand

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https://www.missouristate.edu/registrar/catalog/courses_ra.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Hospitality Leadership

Major(s)

Hospitality Leadership (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
   Specific General Education Requirement: GRY 100(3)
B. Major Requirements
   1. Core Courses: HSP 210(3), 215(3), 218(3), 310(3), 321(3), 354(3), 410(3), 426(3), 428(3), 480(3), 490(3), 499(6)
   2. Related Requirements: ACC 201(3); MKT 150(3) or 350(3)
   3. Public Affairs Capstone Experience will be fulfilled by completion of HSP 490(3) and 499(6).
   4. Complete one of the following options (9 hours):
      a. **Club Management:** HSP 330(3), 345(3); HSP 430(3) or 436(3)
      b. **Food and Beverage:** HSP 330(3), 409(3), 435(3)
      c. **General Operations:** HSP 340(3); HSP 430(3) or 436(3); HSP 315(3) or 370(3) or 435(3)
      d. **Lodging:** HSP 315(3), 360(3), 370(3)
      e. **Senior Living Management:** HSP 330(3); GER 366(3) or PSY 366(3); GER 375(3) or SOC 375(3)
      f. **Tourism:** GRY 310(3), GRY 328(3); HSP 340(3)
C. Electives to bring total number of hours to 120. Students are encouraged to use these hours to complete more than one track and to take HSP electives.
D. General Baccalaureate Degree Requirements

Hospitality Leadership (BAS)

Bachelor of Applied Science

A. General Education Program and Requirements
B. Major Requirements
   1. Associate of Science or Associate of Applied Science degree from an accredited institution. Contact the department for details.
   2. HSP 210(3), 215(3), 218(3), 321(3)
   3. Related Requirements: ACC 201(3); MKT 150(3) or 350(3)
   4. Core Courses: HSP 310(3), 354(3), 428(3), 490(3), 499(6)
   5. Major Electives: 12 hours of upper division HSP electives
   6. Public Affairs Capstone Experience will be fulfilled by completion of HSP 490(3) and 499(6).
C. Seven additional hours of advisor approved upper division electives to bring total upper division hours to 40.
D. General Baccalaureate Degree Requirements

Accelerated graduate program in Professional Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Professional Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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https://www.missouristate.edu/registrar/catalog/prog-hospitality-leadership.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Food and Beverage Operations Certificate

Food and Beverage Operations

This certificate provides an educational experience in the food and beverage discipline. Students will receive concentrated instruction on a number of pertinent aspects pertaining to the food and beverage industry.

Program requirements (15 hours)

A. HSP 210(3), 218(3), 321(3), 426(3)
B. Select one of the following: HSP 330(3), 409(3), 435(3)
C. All candidates must satisfy the General University Certificate Requirements.

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

MAKE YOUR MISSOURI STATEMENT.

Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Mathematics

Programs

Indicates accelerated graduate program is available

Undergraduate

Mathematics (BA, BS, Minor)

Mathematic Education (BSEd)

Graduate

Mathematics (MS)

Natural and Applied Science degree with an area of emphasis in Mathematics (MNAS)

Secondary Education with an option in Mathematics (MSEd)

Accreditations

- Missouri Department of Elementary and Secondary Education – Mathematics (BSEd); Secondary Education/Mathematics (MSEd)
- Council for the Accreditation of Educator Preparation – Mathematics (BSEd); Secondary Education/Mathematics (MSEd)

General information

Math placement

An appropriate placement is required prior to taking any of the entry level mathematics courses beyond MTH 101 as noted in the course prerequisite. Students can use their ACT or SAT math sub score or the results from the Department of Mathematics Placement Test to determine their appropriate math placement level. In the event that the placement determined by the ACT or SAT sub score and the departmental test are different, the student may choose either one after consulting with an advisor.

If you do not have transfer credit for MTH 103 or higher, then your placement in mathematics at Missouri State will be based on your math score from the ACT or SAT.

Contact

Department head

William O. Bray, PhD

Office

Cheek Hall, Room 10M

Phone

417-836-5112

Fax

417-836-6966

Email

Mathematics@missouristate.edu

View placement using ACT and SAT Math Sub Score

Website

math.missouristate.edu

If you do not have either transfer credit or ACT or SAT math scores, then you must either take the math placement exam or begin your math sequence at Missouri State with MTH 101 (Intermediate Algebra I). If you have MTH elective credit in transfer (MTH 000) that needs to be re-evaluated to help determine your placement more appropriately, please e-mail the Department of Mathematics. Also, if you have successfully completed an introductory (non-transferable) algebra course at a college, you may receive permission to begin with MTH 103 (Intermediate Algebra). You may also choose to take the placement exam if you are not satisfied with your placement based on your ACT or SAT math sub score. It is recommended to complete the placement exam prior to registration if possible. You may do so by participating in the scheduled testing sessions during SOAR or call the Mathematics Department at 417-836-5112 to schedule an appointment.

Having your ACT or SAT scores sent

If you will need your ACT or SAT scores for placement purposes, be sure to request that they be sent to us if you have not already done so. Consult ACT or SAT for more information. If your scores are on your high school transcript, you may also have your official high school transcript sent to us.

Arranging to take the mathematics placement test

If you need (or choose) to take the math placement test, you may do so by participating in the scheduled testing sessions during SOAR or call the Mathematics Department, Cheek 10M, 417-836-5112 to schedule an appointment. Adult and evening students may also contact the Office of Adult Student Services, 417-836-6929 or 800-492-7900. You should arrange to have your ACT or SAT scores sent or take the math placement test before you register for your first semester at Missouri State University.

About the mathematics placement test

The one-hour placement test administered by the Mathematics Department will consist of fifty questions in three components: basic algebra, advanced algebra, and trigonometry. Students will have an option to attempt only the basic algebra portion during the first thirty minutes and turn in the test if they so desire. They are, however, strongly encouraged to attempt the whole test. There is no charge for the mathematics placement test, and there is no need to sign up in advance. ***However, the placement test can only be taken once***. Contact the Mathematics Department for further information. Students can view their ACT, SAT, and/or placement test scores online through My Missouri State system.

Pre-engineering preparation

Missouri State University offers a cooperative engineering program in conjunction with Missouri University of Science and Technology in Rolla, Missouri. Only students residing in a sixteen-county area of southwest Missouri qualify for this program. Refer to the Engineering Program section of catalog for more information. Students who wish to pursue engineering, but do not meet the geographic requirements for the cooperative program, may take two years of foundation courses at Missouri State. The Departments of Mathematics and Physics, Astronomy and Materials Science jointly offer a two-year plan to meet the needs of these students, who must transfer later to complete a four-year degree in engineering. Contact either department for details.

Actuarial science

Students may pursue a career as an actuary by choosing a major and minor in related areas and selecting appropriate electives. Students interested in Actuarial Science typically major in Mathematics with the Actuarial Mathematics option and a minor in Risk Management and Insurance. Help in preparing for the early actuarial exams is available through the Mathematics Department. For more information, contact the Mathematics Department or the Finance and General Business Department.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Mathematics Faculty

Distinguished professor

Shouchuan Hu, PhD

Paula A. Kemp, PhD

Professors

Richard G. Belshoff, PhD

William O. Bray, PhD

Kanghui Guo, PhD

Kurt Killion, EdD

Shelby Kilmer, PhD

Gay A. Ragan, PhD

Jorge L. Rebaza-Vasquez, PhD

Leslie Reid, PhD

Mark W. Rogers, PhD

Kishor Shah, PhD

Vera B. Stanojevic, PhD

Yingcai Su, PhD

Xingping Sun, PhD

Cameron Wickham, PhD

Songfeng Zheng, PhD

Associate professors

Adam Harbaugh, PhD

Matthew Wright, PhD

Assistant professors

Ngoc T. Do, PhD

Steven Senger, PhD

Patrick Sullivan, PhD

Senior instructors

Patti A. Blanton, MSEd

Donna N. Sherrill, MSEd

Gary L. Stafford, MA

Kimberly Van Ornum, MS

Instructors

Joann E. Barnett, MSEd

Robert S. Brown, MS

Roger Bunn, PhD

Sylvia Carr, MSEd

Carolyn Shand-Hawkins, MS

Harry D. Shea, MA

Linda R. Sun, MS

Anna M. Tripi, MS

Fan Zhou, MS

Emeritus faculty

David I. Ashley, PhD

Earl E Bilyeu, MA

Larry N. Campbell, DA

Yungchen Cheng, PhD

Wallace F. Davis, MEd

James R. Downing, MS

Gay F. Ellis, MA

Mark E. Gann, BS

Frank S. Gillespie, MA

Pamela J. Henson, MSEd

Shirley Huffman, PhD

John D. Kubicek, PhD

David B. Lehmann, EdD

Samuel A. Lynch, MS

E. Rebecca Matthews, MST

George Mathew, PhD

Neil Pamperien, MST

Clyde A. Paul, EdD

Lynda M. Plymate, PhD

Clayton C. Sherman, PhD

Woodrow Sun, PhD

William Sutherlin, PhD

Beverly Weatherwax, MS

Joe L. Wise, MEd

Xiang Ming Yu, PhD

Liang-Cheng Zhang, PhD

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Missouri State

Office of the Registrar
Undergraduate Catalog

Mathematics Courses

Mathematics (MTH) courses

MTH 101 Intermediate Algebra A

This course is recommended for students who have not mastered algebra concepts needed for college algebra. Topics will include linear and quadratic equations, absolute value equations and inequalities, linear and nonlinear inequalities, properties of exponents, rectangular coordinate systems, lines, circles, parabolas, systems of equations, polynomials and rational expressions, and functions. Cannot receive credit toward graduation for both MTH 101 and MTH 103. Cannot count toward a mathematics major or minor. A grade of "C" or better is required in this course in order to take MTH 130, MTH 135, or MTH 138. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	2	Fall, Spring

MTH 103 Intermediate Algebra

Prerequisite: appropriate placement score.

This course is recommended for students who have not mastered algebra concepts needed for college algebra. Topics will include linear and quadratic equations, absolute value equations and inequalities, linear and nonlinear inequalities, properties of exponents, rectangular coordinate systems, lines, circles, parabolas, systems of equations, polynomials and rational expressions, and functions. Cannot receive credit toward graduation for both the MTH 101-102 sequence and MTH 103. Cannot count toward a mathematics major or minor. A grade of "C" or better is required in this course in order to take MTH 130, MTH 135, or MTH 138. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 107 Contemporary Mathematics Corequisite

Prerequisite: concurrent enrollment in MTH 130.

The primary objective of the corequisite course is to support student success in MTH 130. Strategies for success and mathematical skills will be emphasized to reinforce the content of MTH 130. Lab activities will solidify understanding of problem solving, geometry, probability, statistics, and personal finance. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring, Summer

MTH 121 Multicultural Views of History and Mathematics

This course explores the impact of major historical events, the mores of various societies, and basic human nature on the development of mathematical knowledge. Parallels will be drawn to events in today's world to determine how each individual can foster the global advancement of knowledge. The level of mathematical and historical knowledge expected on incoming students does not exceed the level of traditional high school courses.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 130 Contemporary Mathematics

Prerequisite: "C" grade or better in MTH 101 or MTH 103, or approved score on a departmental placement test; Corequisite: Students who do not meet the prerequisite yet have a Math ACT of 19, 20 or 21 (SAT 450 to 509), or a D grade in MTH 101 or MTH 103, or an approved score on the departmental placement exam may enroll in MTH 130 concurrently with MTH 107.

General Education Course (Focus on Quantitative Literacy).

This is a problem solving and applications of mathematics course. Topics to be studied will include, but not limited to: the art of problem solving, geometry, probability, statistics, and mathematics of finance. Cannot count toward a mathematics major or minor. Cannot be taken Pass/Not Pass. MTH 130 does not meet the prerequisite for MTH 135.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	MATH 120 - Mathematical Reasoning and Modeling.

Access the CORE 42 portal

MTH 134 Algebraic Reasoning and Modeling

Prerequisite: Suitable score on the mathematics placement exam or a grade of C or better in MTH 101 or MTH 103.

General Education Course (Focus on Quantitative Literacy).

This course focuses on developing and applying concepts of algebra and statistics to real world data and problems. Reasoning skills will be developed as students analyze data sets with descriptive statistics and by creating and analyzing algebraic models to describe the data. The algebraic functions that will be used in modeling include linear, power, exponential and logarithmic. Technology options will be utilized in the analysis of data. Cannot count toward the mathematics major or minor. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

MTH 135 College Algebra

Prerequisite: "C" grade or better in MTH 101 or MTH 103, or appropriate placement score; Note: MTH 130 does not meet the prerequisite for MTH 135.

General Education Course (Focus on Quantitative Literacy).

Contents include the study of linear and quadratic equations; inequalities and their applications; polynomial, rational, exponential and

logarithmic functions; and systems of equations. Cannot receive credit for both MTH 135 and MTH 136. Cannot receive credit for both MTH 135 and MTH 138 if 138 taken prior to fall 2018. Cannot count toward a mathematics major or minor. A grade of "C" or better is required in this course in order to take MTH 181, MTH 285, or MTH 287. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	MATH 120 - Mathematical Reasoning and Modeling.

Access the CORE 42 portal

MTH 136 Precalculus 1

Prerequisite: Suitable placement score on the mathematics placement exam or a grade of "C" or better in MTH 101 or 103.

General Education Course (Focus on Quantitative Literacy).

This course is part one of a two course sequence with emphasis on the analytic, graphical, and numerical representations of functions. The focus of the course is on the library of algebraic functions (polynomial, rational, exponential, and logarithmic functions) along with higher algebraic reasoning in preparation for the study of Calculus (MTH 261). Grade of "C" or better required to enroll in MTH 137 or MTH 287. Cannot receive credit for both MTH 136 and MTH 138, or for both MTH 135 and MTH 136. Cannot count toward the mathematics major or minor. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring, Summer	MATH 130 - Pre-Calculus Algebra.

Access the CORE 42 portal

MTH 137 Precalculus 2

Prerequisite: "C" grade or better in MTH 136 or suitable score on the Mathematics placement exam.

General Education Course (Focus on quantitative Literacy).

This course is part two of a two course sequence with emphasis on the analytic, graphical, and numerical representations of functions. The focus of the course is on the library of trigonometric functions along with higher algebraic and geometric reasoning in preparation for the study of Calculus (MTH 261). Grade of "C" or better required to enroll in MTH 261. Cannot receive credit for both MTH 137 and MTH 138 or for both MTH 137 and MTH 181. Cannot count toward the mathematics major or minor. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

MTH 138 Pre-Calculus Mathematics

Prerequisite: "C" grade or better in MTH 101 or MTH 103 (Recommended: "B" grade or better in MTH 101 or MTH 103), or appropriate score on the mathematics placement exam.

General Education Course (Focus on Quantitative Literacy).

The course has emphasis on the analytic, graphical, and numerical representations of functions. The focus is on the library of algebraic

The course has emphasis on the analytic, graphical, and numerical representations of functions. The focus is on the library of algebraic functions (polynomial, rational, exponential, and logarithmic functions), the library of trigonometric functions, and a high level of algebraic and geometric reasoning in preparation for the study of Calculus (MTH 261). A grade of "C" or better required to enroll in MTH 261 or MTH 287. Cannot receive credit for both MTH 136 and MTH 138 or for both MTH 137 and MTH 138. Cannot count toward the mathematics major or minor. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
5	5	0	Fall, Spring	MATH 150 - Pre-Calculus.

Access the CORE 42 portal

MTH 181 Trigonometry

Prerequisite: "C" grade or better in MTH 135 or appropriate placement score.

General Education Course (Focus on Quantitative Literacy).

Triangle trigonometry and its applications; trigonometric and inverse trigonometric functions; trigonometric identities and equations; Rational, exponential and logarithmic functions. A grade of "C" or better is required in this course in order to take MTH 287. Cannot receive credit for both MTH 137 and MTH 181 or for both MTH 138 and MTH 181. Cannot count toward a mathematics major or minor. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 261 Analytic Geometry and Calculus I

Prerequisite: "C" grade or better in MTH 137 or MTH 138 or MTH 181 or appropriate placement score.

General Education Course (Focus on Quantitative Literacy).

Analytic geometry of the plane, limits, continuity, differentiation with applications, introductory integration with applications. A grade of "C" or better is required in this course in order to take MTH 280 or 288. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	5	0	Fall, Spring

MTH 280 Analytic Geometry and Calculus II

Prerequisite: "C" or better in MTH 261.

Applications of integration, integration techniques, indeterminate forms, improper integrals, sequences, series, conic sections, parametrization, polar coordinates. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	5	0	Fall, Spring

MTH 285 Calculus for Business and the Social Sciences

Prerequisite: "C" or better in MTH 135, or appropriate placement score.

Short review of algebra; absolute value and inequalities followed by elements of geometry, limits, the derivative, anti-derivative, and their applications. Cannot receive credit toward graduation for both MTH 285 and MTH 261.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 287 Computational Calculus with Analytic Geometry I

Prerequisite: "C" or better in MTH 135 or MTH 136 or MTH 138, or an approved score on a department placement test.

General Education Course (Focus on Quantitative Literacy).

Introduction to the concepts and methods of analytic geometry and differential and integral calculus with emphasis on applications in the natural sciences and technology. Cannot receive credit toward graduation for both MTH 287 and MTH 261. Cannot receive credit for both MTH 287 and MTH 285. A grade of "C" or better is required in this course in order to take MTH 288. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MTH 288 Computational Calculus II

Prerequisite: "C" grade or better in MTH 261 or MTH 287.

Continuation of MTH 287. Cannot receive credit toward graduation for both MTH 288 and MTH 280. Cannot be taken Pass/Not Pass.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MTH 299 Introductory Topics in Mathematics

Variable content course with topics that can change from semester to semester. Topics will be identified by title in the schedule of classes. The course may be repeated if a different topic is offered. Cannot count toward a mathematics major or minor or General Education requirement.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MTH 300 Service Learning in Mathematics

Prerequisite: 30 hours and concurrent registration in a Mathematics course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in mathematics to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs

integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service

placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

MTH 302 Multivariate Calculus

Prerequisite: MTH 280.

Vector algebra and calculus, solid analytic geometry, partial differentiation, multiple integration, vector fields.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 303 Differential Equations

Prerequisite: MTH 280.

Ordinary differential equations; their solutions and applications. Introduction to operators and the Laplace transformation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 314 Discrete Mathematics

Prerequisite: MTH 138 or MTH 181 or approved calculus course or appropriate placement score.

Topics include: logic, mathematical reasoning, basic counting, discrete probability, matrices, recursion, sets and relations, graphs and trees.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 315 Algebraic Structures

Prerequisite: MTH 261.

Sets, logic, quantifiers, functions, relations, matrices, elementary number theory, induction, recursion, combinatorics, with emphasis on reading and writing proofs and the development of mathematical maturity.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 320 Foundations of Mathematics for Teachers

Prerequisite: completion of General Education mathematics requirement with grade of "C" or better; MTH 130 recommended.

This course centers around the structure and properties of the real number system and its subsets. Numeration systems, patterns of numbers, models and algorithms for operations, number theory, probability, and statistics will be studied. Problem solving and communication are continuing themes of this course. Manipulatives (including Base-10 Blocks, Cuisenaire Rods, Number Cubes, and Colored Counters), calculators, and computer software (including a statistical package, spreadsheet and word processor) are used extensively as tools to develop mathematical concepts. Cannot be used as a mathematics elective for the mathematics major or minor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

MTH 333 Linear Algebra

Prerequisite: MTH 280.

Systems of linear equations, matrices and matrix algebra, determinants, vector spaces, linear independence, inner product spaces, linear transformations, eigenvectors, diagonalization, various applications and computational aspects.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 340 Statistical Methods

Prerequisite: completion of General Education mathematics requirement or appropriate placement score.

Statistics, elementary probability, estimation and tests of simple hypotheses involving both large and small sample methods, linear correlation. Cannot count toward mathematics major or minor. Cannot receive credit toward a degree for more than one of the following courses: AGR 330, IPE 381, MTH 340, PSY 200, QBA 237, REC 328, SOC 302.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 343 Foundations of Probability and Statistics for Teachers

Prerequisite: "C" or better in MTH 320.

This course includes the collection, display, analysis, and misuse of data. The course is designed to provide preservice teachers with the content and pedagogical tools to effectively teach statistics in a middle school/high school setting. Topics include graphical representations and measures of analysis of univariate data (e.g., mean, MAD, standard deviation, five-number summary) and bivariate data (e.g., two-way tables, independence, correlation, regression). Counting techniques, including permutations and combinations, and elementary probability will also be covered. An informal introduction to inferential statistics topics (e.g. sampling distributions, confidence intervals, and tests of significance) will also be discussed. Problem-solving and communication skills are continuing themes. This is an activity-based course with extensive use of manipulatives, models, and technology (e.g. GeoGebra and CODAP) that have application within middle/secondary mathematics classrooms.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

MTH 345 Statistics for Scientists and Engineers

Prerequisite: MTH 280 or MTH 288.

Topics include events, probability, random variables, discrete and continuous density functions, expectations, sampling distributions, central limit theorem, estimation, confidence intervals, tests or hypotheses. Computer statistical packages will be used for simulation study and data analysis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 360 Foundations of Geometry for Teachers

Prerequisite: "C" or better in MTH 320.

This course includes the study of synthetic, analytic, vector and transformational geometries through properties of geometric figures, measurement, construction, conjecture and proof, and tessellations. Problem solving and communication are continuing themes of this course. Manipulatives (including MIRA, Geoboard, Tangrams, Attribute Blocks and compass), calculators, and computer software (including Logo, Geometer's Sketchpad and a word processor) are used extensively as tools to develop geometric concepts. Cannot be used as a mathematics elective for the mathematics major or minor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

MTH 377 Mathematical Processes

Prerequisite: MTH 135 or MTH 138; and MTH 340 or MTH 343.

This course examines both finite and infinite mathematical processes used when solving problems involving discrete or continuous data. As an activity-base and laboratory-centered course, these processes are to be explored in the context of real-world applications. Communication of mathematical concepts and solutions to problems using technology, as well as paper and pencil procedures, is a continuing theme. This course is for the middle school education major who chooses mathematics as an area of subject matter concentration and elementary education majors with an emphasis area in mathematics. The course connects experiences from the concepts of numbers, algebra, geometry, and data analysis to those of the calculus. This course cannot be used as a mathematics elective for the mathematics major or minor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

MTH 409 Teaching and Learning of Mathematics I

MTH 409 Teaching and Learning of Mathematics I

Prerequisite: SEC 302 and 15 hours of college mathematics, and admission to the Teacher Education Program.

Develops foundation for reflective decision-making when teaching algebra to emphasize problem solving, communication, reasoning and proof, connections, and representations. The incorporation of appropriate classroom technology will be stressed. Credited only on the BSEd (Middle School/Secondary). A grade of "C" or better is required in this course in order to take MTH 493. Cannot be taken Pass/Not Pass. Cannot count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Spring

MTH 410 Teaching and Learning of Mathematics II, with Practicum

Prerequisite: MTH 409, and admission to the Teacher Education Program.

Focus on developing the reflective decisionmaker's appropriate use of current technologies, classroom management techniques and assessment processes in teaching geometry. Some attention devoted to advanced algebra, trigonometry, discrete mathematics and calculus topics. All students will complete a field experience in a mathematics classroom. Credited only on the BSEd (Secondary). A grade of "C" or better is required in this course in order to take MTH 493. Cannot be taken Pass/Not Pass. Cannot count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

MTH 411 Teaching and Learning of Mathematics III

Prerequisite: MTH 409; and admission to the Teacher Education Program; and concurrent enrollment in MTH 410 is required.

Focus will be on knowledge of students and the learning environment, designing instruction for student learning, and implementing and analyzing instruction to promote student learning. Credited only on the BSEd (secondary). A grade of "C" or better is required in this course to take MTH 493. Cannot be taken Pass/Not Pass. Will not count toward the major GPA.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

MTH 421 Numerical Analysis I

Prerequisite: MTH 280.

Recommended Prerequisite: CSC 125 or CSC 130. Solution of systems of linear and nonlinear equations, interpolation, integration, approximation, matrix computations. Problem solution will include the use of software. Identical with CSC 421. Cannot receive credit for both MTH 421 and CSC 421.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 422 Numerical Analysis II

Prerequisite: MTH 303 and MTH 421.

Solution of initial and boundary value problems in ordinary and partial differential equations, simulation, and optimization. Problem solution will include the use of software. Identical with CSC 422. Cannot receive credit for both MTH 422 and CSC 422.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 450 Theory of Interest

Prerequisite: MTH 280.

A thorough treatment of the mathematical theory of interest with some discussion of economic aspects such as inflation, risk and uncertainty, and yield curves. Topics include: Annuities, yield rates, amortization, bonds, and sinking funds.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MTH 460 College Geometry

Prerequisite: MTH 315.

This course examines concepts not usually included in a high school plane geometry course: axiomatic structure, finite geometries; Euclidean geometry axioms, historical development and relationships between various geometries, transformations in two and three dimensions, groups of transformations, convexity, linear programming, geometry of polygons and circles, the nine-point circle, constructions, and an introduction to non-Euclidean geometry. These topics will be developed within a problem solving context and will emphasize construction and communication of mathematical ideas including argument and proof. A dynamic geometry software package, such as Geometer's Sketchpad, will be used as a tool to develop geometric concepts.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 479 Mathematical Tools and Structures

Prerequisite: MTH 343 or MTH 360.

Recommended Prerequisite: 15 hours of elementary or middle school mathematics. This course is designed to coordinate, connect and extend the mathematical experiences of the student who is preparing to teach mathematics in the middle school. Specific course content will include all of the following: an in-depth overview of problem solving and the nature of proof in mathematics and the mathematics classroom; history of the development of mathematics; a variety of mathematical topics such as algebraic structures, discrete mathematics, fractals and chaos, etc.; examination and exploration of mathematical topics that are appropriate and necessary for middle school students to ensure their efficient transition into secondary mathematics. A constant awareness of the use and impact of technology upon the mathematician and the mathematics classroom is explored and integrated throughout the course. The course experience is culminated in the final project, which will be an original, independent investigating of some relevant mathematical topic of interest to the student. This course cannot be used as a mathematics elective for the mathematics major or minor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	2 **Lecture contact hours**	2 **Lab contact hours**	Fall **Typically offered**

MTH 492 Seminar in Supervised Teaching (Secondary Mathematics)

Prerequisite: MTH 409 and MTH 410 and MTH 411; and a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in MTH 494.

Focus will be on discussion, reflection, and analysis of field experiences during supervised teaching as well as discussion of Missouri Pre-service Teacher Assessment (MoPTA) to be completed while student teaching. Cannot be taken Pass/Not Pass. Course will not count toward the major GPA. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

MTH 493 Supervised Teaching (Secondary Mathematics)

Prerequisite: MTH 409 and MTH 410 and MTH 411; and a grade of "C" or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in MTH 494.

The student observes, then teaches mathematics classes under the direction of the cooperating teacher and the university supervisor. The student also participates in professional activities of a teacher, attends all required university meetings, and completes all required university assignments. Course will not count toward the major GPA. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5-6			Fall, Spring

MTH 494 Supervised Teaching (Secondary Mathematics)

Prerequisite: concurrent enrollment in MTH 492.

The student observes, then teaches mathematics classes under the direction of the cooperating teacher and the university supervisor. The student also participates in professional activities of a teacher, attends all required university meetings, and completes all required university assignments. The student will complete the Missouri Pre-Service Teacher Assessment while student teaching. Cannot be taken Pass/Not Pass. Course will not count toward the major GPA. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
10			Fall, Spring

MTH 496 Clinical Experiences in Teaching II

Prerequisite: EDC 199; and admitted to Teacher Education Program; and grades of "C" or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.

This course is designed to meet HB 1711 for student's experience as a Teacher's Aide or Assistant Rule (Rule 5 CSR 80-805.040), to that of conventional student teachers within the same program. It is also designed to support completion of additional clinical requirements within that program including: seminars and workshops, required meetings, school related activities appropriate to the assignment, demonstrated mastery of the MoSPE standards and completion and overall assessment of a Professional Preparation Portfolio. This course is credited only on BSEd or appropriate masters-level certification programs. Can only receive credit for one of the following: AGE 499, AGT 499, ART 469, COM 493, ECE 499, ELE 499, ENG 434, FCS 498, HST 499, KIN 498, MCL 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 499.

THE 493.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4			Fall, Spring

MTH 497 Topics

Prerequisite: 90 hours.

Recommended Prerequisite: completion of or concurrent enrollment in all mathematics courses required for the mathematics major. A written paper on a mathematical topic will be required. The student will be exposed to elementary research topics and to professional opportunities including graduate programs, employment by business, industry and government, and teaching options. Each student will be required to take the mathematics major assessment exam. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

MTH 503 Advanced Calculus I

Prerequisite: MTH 280 and MTH 315.

Concepts of limit, continuity, differentiation, Riemann integration, sequences and series, other related topics. May be taught concurrently with MTH 603. Cannot receive credit for both MTH 603 and MTH 503. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 504 Advanced Calculus II

Prerequisite: MTH 302 and MTH 503.

This is a continuation of MTH 503, including sequences and series of functions, uniform convergence, multivariate calculus, and other selected topics. May be taught concurrently with MTH 604. Cannot receive credit for both MTH 604 and MTH 504.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 506 Theory of Functions of a Complex Variable

Prerequisite: MTH 280 and MTH 315.

Theory of elementary functions-polynomial, trigonometric, exponential, hyperbolic, logarithmic-of a complex variable; their derivatives, integrals; power series; other selected topics. May be taught concurrently with MTH 605. Cannot receive credit for both MTH 605 and MTH 506.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Upon demand

MTH 507 Introduction to Partial Differential Equations

Prerequisite: MTH 302 and MTH 303 and MTH 315.

Introduction to linear first and second order partial differential equations, including some formal methods of finding general solutions; the Cauchy problem for such equations, existence theorems, formal methods of finding the solution, and the role of characteristics; the classical boundary and initial value problems for the wave equation, heat equation and the boundary value problems for Laplace's equation. May be taught concurrently with MTH 607. Cannot receive credit for both MTH 607 and MTH 507.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 510 High School Mathematics from an Advanced Perspective

Prerequisite: permission of instructor.

The focus of the course will be on relating what the mathematics students have learned in upper-level courses to what they will be teaching when they are in the high school classroom. The students' ability to reason and problem-solve mathematically and to model real-world problems in a mathematical context will be developed so they will be able to pass these abilities on to their own students. If there is a sufficient demand, an online component may be offered. Credited only on the BSEd (secondary). Cannot be taken Pass/Not Pass. May be taught concurrently with MTH 611. Cannot receive credit for both MTH 510 and MTH 611.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MTH 532 Introduction to Abstract Algebra

Prerequisite: MTH 302 and MTH 315.

It is recommended that students not take MTH 532 before taking MTH 333. Theory of groups, rings, integral domains, fields, polynomials. May be taught concurrently with MTH 631. Cannot receive credit for both MTH 631 and MTH 532. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MTH 534 Advanced Linear Algebra

Prerequisite: MTH 315 and MTH 333.

Topics may include eigenvalue problems; Jordan normal form, linear functionals, bilinear forms, quadratic forms, orthogonal and unitary

transformations, Markov processes, and other topics selected by the instructor. May be taught concurrently with MTH 634. Cannot receive credit for both MTH 634 and MTH 534.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 536 Theory of Numbers

Prerequisite: MTH 302 and MTH 315.

Factorization, Euler totient function, congruences, primitive roots, quadratic residues and reciprocity law. May be taught concurrently with MTH 636. Cannot receive credit for both MTH 636 and MTH 536.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 537 Applied Abstract Algebra

Prerequisite: MTH 333 or MTH 532.

Topics typically include finite fields, block designs, error-correcting codes (nonlinear, linear, cyclic, BCH, and Reed-Solomon codes), cryptography, and computer implementation of these applications. May be taught concurrently with MTH 637. Cannot receive credit for both MTH 637 and MTH 537.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 540 Statistical Theory I

Prerequisite: MTH 302.

Random variables, discrete and continuous probability functions, expectation, moment-generating functions, transformation of variables. May be taught concurrently with MTH 640. Cannot receive credit for both MTH 640 and MTH 540. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MTH 541 Statistical Theory II

Prerequisite: MTH 540 or equivalent.

Estimation, complete and sufficient statistics, maximum likelihood estimation, hypothesis testing, nonparametric statistics. May be taught concurrently with MTH 643. Cannot receive credit for both MTH 643 and MTH 541.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MTH 543 Stochastic Modeling

Prerequisite: MTH 540.

This course will study applications of probability and statistics from a modeling point of view. Topics include generating functions, branching processes, discrete time Markov chains, classification of states, estimation of transition probabilities, continuous time Markov Chains, Poisson processes, birth and death processes, renewal theory, queuing systems, Brownian motion, and stationary processes. Computer statistical packages will be used. May be taught concurrently with MTH 653. Cannot receive credit for both MTH 653 and MTH 543.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MTH 545 Applied Statistics

Prerequisite: 60 hours and completion of General Education Mathematics Requirement.

A course on statistical concepts, methods and data analysis with emphasis on assumptions and effects on violating those assumptions. Computer statistical packages will be used. Topics include statistical models, random sampling, normal distribution, estimation, confidence intervals, tests and inferences in single and two populations, and n-way analysis of variance. May be taught concurrently with MTH 645. Cannot receive credit for both MTH 645 and MTH 545.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MTH 546 Analysis of Variance and Design of Experiments

Prerequisite: MTH 345 or MTH 541 or MTH 545.

Topics include analysis of variance, estimation of variance components, randomized incomplete blocks, Latin squares, factorial nested, split-plot designs, fixed, random and mixed models. May be taught concurrently with MTH 646. Cannot receive credit for both MTH 646 and MTH 546.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 547 Applied Regression Analysis

Prerequisite: MTH 345 or MTH 541 or MTH 545.

Topics include fitting a straight line, matrix models, residuals, selecting best equation, multiple regression, and nonlinear estimation. May be taught concurrently with MTH 647. Cannot receive credit for both MTH 647 and MTH 547.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 548 Applied Time Series Analysis

Prerequisite: MTH 540; and MTH 345 or MTH 541 or MTH 545.

This course will study the analysis of data observed at different points of time. Topics include stationary and non-stationary time series models, linear time series models, autoregressive models, autocorrelations, partial autocorrelations, moving average models, ARMA models, ARIMA models, forecasting, prediction limits, model specification, least square estimation, and seasonal time series models. Computer statistical packages will be used. May be taught concurrently with MTH 648. Cannot receive credit for both MTH 648 and MTH 548.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MTH 567 Introduction to Non-Euclidean Geometry

Prerequisite: MTH 302 and MTH 315.

Development of non-Euclidean geometries; intensive study of hyperbolic geometry. May be taught concurrently with MTH 667. Cannot receive credit for both MTH 667 and MTH 567.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MTH 570 Combinatorial Analysis

Prerequisite: MTH 280 and MTH 315.

An introduction to combinatorial analysis including enumeration methods, combinatorial identities with applications to the calculus of finite differences and difference equations. May be taught concurrently with MTH 670. Cannot receive credit for both MTH 670 and MTH 570.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 575 History of Mathematics

Prerequisite: MTH 302 and MTH 315.

Development of mathematics through the calculus; solution of problems of historical interest, problems which use historically significant techniques; problems whose solutions illuminate significant mathematical characteristics of elementary mathematics. May be taught concurrently with MTH 675. Cannot receive credit for both MTH 675 and MTH 575.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 580 Applied Mathematics

MTH 580 Applied Mathematics

Prerequisite: MTH 303 and MTH 333.

An introduction to several areas of applied mathematics including control theory, optimization, modeling of population dynamics, modeling of mathematical economics, minimax and game theory, and calculus of variations. May be taught concurrently with MTH 680. Cannot receive credit for both MTH 680 and MTH 580.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 582 Introductory Topology

Prerequisite: MTH 302 and MTH 315.

Properties of abstract metric and topological spaces; discussion of concepts of compactness and connectedness. May be taught concurrently with MTH 682. Cannot receive credit for both MTH 682 and MTH 582.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 596 Readings

Prerequisite: permission of department head.

Periodic conferences with an advisor are required. May be repeated to a total of 6 hours. May be taught concurrently with MTH 696. Cannot receive credit for both MTH 696 and MTH 596.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

MTH 603 Advanced Calculus I

Prerequisite: MTH 280 and MTH 315.

Concepts of limit, continuity, differentiation, Riemann integration, sequences and series, other related topics. May be taught concurrently with MTH 503. Cannot receive credit for both MTH 503 and MTH 603.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 604 Advanced Calculus II

Prerequisite: MTH 302; and MTH 503 or MTH 603.

This is a continuation of MTH 603, including sequences and series of functions, uniform convergence, multivariate calculus, and other

selected topics. May be taught concurrently with MTH 504. Cannot receive credit for both MTH 504 and MTH 604.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 605 Theory of Functions of a Complex Variable

Prerequisite: MTH 280 and MTH 315.

Theory of elementary functions-polynomial, trigonometric, exponential, hyperbolic, logarithmic-of a complex variable; their derivatives, integrals; power series; other selected topics. May be taught concurrently with MTH 506. Cannot receive credit for both MTH 506 and MTH 605.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 607 Introduction to Partial Differential Equations

Prerequisite: MTH 302 and MTH 303 and MTH 315.

Introduction to linear first and second order partial differential equations, including some formal methods of finding general solutions; the Cauchy problem for such equations, existence theorems, formal methods of finding the solution, and the role of characteristics; the classical boundary and initial value problems for the wave equation, heat equation and the boundary value problems for Laplace's equation. May be taught concurrently with MTH 507. Cannot receive credit for both MTH 507 and MTH 607.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 611 High School Mathematics from an Advanced Perspective

Prerequisite: permission of instructor.

The focus of the course will be on relating what the mathematics students have learned in upper-level courses to what they will be teaching when they are in the high school classroom. The students' ability to reason and problem-solve mathematically and to model real-world problems in a mathematical context will be developed so they will be able to pass these abilities on to their own students. If there is a sufficient demand, an online component may be offered. May be taught concurrently with MTH 510. Cannot receive credit for both MTH 611 and MTH 510.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MTH 631 Introduction to Abstract Algebra

Prerequisite: MTH 302 and MTH 315.

Theory of groups, rings, integral domains, fields, polynomials. May be taught concurrently with MTH 532. Cannot receive credit for both MTH 532 and MTH 631.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MTH 634 Linear Algebra II

Prerequisite: MTH 333.

Topics include eigenvalue problems; Jordan normal form, linear functionals, bilinear forms, quadratic forms, orthogonal and unitary transformations, Markov processes, and other topics selected by the instructor. May be taught concurrently with MTH 534. Cannot receive credit for both MTH 534 and MTH 634.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 636 Theory of Numbers

Prerequisite: MTH 302 and MTH 315.

Factorization, Euler totient function, congruences, primitive roots, quadratic residues and reciprocity law. May be taught concurrently with MTH 536. Cannot receive credit for both MTH 536 and MTH 636.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 637 Applied Abstract Algebra

Prerequisite: MTH 333 or MTH 532 or MTH 632.

Topics typically include finite fields, block designs, error-correcting codes (nonlinear, linear, cyclic, BCH, and Reed-Solomon codes), cryptography, and computer implementation of these applications. May be taught concurrently with MTH 537. Cannot receive credit for both MTH 537 and MTH 637.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 640 Statistical Theory I

Prerequisite: MTH 302.

Random variables, discrete and continuous probability functions, expectation, moment-generating functions, transformation of variables. May be taught concurrently with MTH 540. Cannot receive credit for both MTH 540 and MTH 640.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MTH 643 Statistical Theory II

Prerequisite: MTH 540 or MTH 640 or equivalent.

Estimation, complete and sufficient statistics, maximum likelihood estimation, hypothesis testing, nonparametric statistics. May be taught concurrently with MTH 541. Cannot receive credit for both MTH 541 and MTH 643.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MTH 645 Applied Statistics

A course on statistical concepts, methods and data analysis with emphasis on assumptions and effects on violating those assumptions. Computer statistical packages will be used. Topics include statistical models, random sampling, normal distribution, estimation, confidence intervals, tests and inferences in single and two populations, and n-way analysis of variance. May be taught concurrently with MTH 545. Cannot receive credit for both MTH 545 and MTH 645.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MTH 646 Analysis of Variance and Design of Experiments

Prerequisite: MTH 345 or MTH 541 or MTH 643 or MTH 545 or MTH 645.

Topics include analysis of variance, estimation of variance components, randomized incomplete blocks, Latin squares, factorial nested, split-plot designs, fixed, random and mixed models. May be taught concurrently with MTH 546. Cannot receive credit for both MTH 546 and MTH 646.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 647 Applied Regression Analysis

Prerequisite: MTH 345 or MTH 541 or MTH 643 or MTH 545 or MTH 645.

Topics include fitting a straight line, matrix models, residuals, selecting best equation, multiple regression, and nonlinear estimation. May be taught concurrently with MTH 547. Cannot receive credit for both MTH 547 and MTH 647.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 648 Applied Time Series Analysis

Prerequisite: MTH 540 or MTH 640; and MTH 345 or MTH 541 or MTH 643 or MTH 545 or MTH 645.

This course will study the analysis of data observed at different points of time. Topics include stationary and non-stationary time series models, linear time series models, autoregressive models, autocorrelations, partial autocorrelations, moving average models, ARMA models, ARIMA models, forecasting, prediction limits, model specification, least square estimation, and seasonal time series models. Computer statistical packages will be used. May be taught concurrently with MTH 548. Cannot receive credit for both MTH 548 and MTH 648.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MTH 653 Stochastic Modeling

Prerequisite: MTH 540 or MTH 640.

This course will study applications of probability and statistics from a modeling point of view. Topics include generating functions, branching processes, discrete time Markov chains, classification of states, estimation of transition probabilities, continuous time Markov Chains, Poisson processes, birth and death processes, renewal theory, queuing systems, Brownian motion, and stationary processes. Computer statistical packages will be used. May be taught concurrently with MTH 543. Cannot receive credit for both MTH 543 and MTH 653.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MTH 667 Introduction to Non-Euclidean Geometry

Prerequisite: MTH 302 and MTH 315.

Development of non-Euclidean geometries; intensive study of hyperbolic geometry. May be taught concurrently with MTH 567. Cannot receive credit for both MTH 567 and MTH 667.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MTH 670 Combinatorial Analysis

Prerequisite: MTH 280 and MTH 315.

An introduction to combinatorial analysis including enumeration methods, combinatorial identities with applications to the calculus of finite differences and difference equations. May be taught concurrently with MTH 570. Cannot receive credit for both MTH 570 and MTH 670.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 675 History of Mathematics

Prerequisite: MTH 302 and MTH 315.

Development of mathematics through the calculus; solution of problems of historical interest, problems which use historically significant techniques; problems whose solutions illuminate significant mathematical characteristics of elementary mathematics. May be taught concurrently with MTH 575. Cannot receive credit for both MTH 575 and MTH 675.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 680 Applied Mathematics

Prerequisite: MTH 303 and MTH 333.

An introduction to several areas of applied mathematics including control theory, optimization, modeling of population dynamics, modeling of mathematical economics, minimax and game theory, and calculus of variations. May be taught concurrently with MTH 580. Cannot receive credit for both MTH 580 and MTH 680.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 682 Introductory Topology

Prerequisite: MTH 302 and MTH 315.

Properties of abstract metric and topological spaces; discussion of concepts of compactness and connectedness. May be taught concurrently with MTH 582. Cannot receive credit for both MTH 582 and MTH 682.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 696 Readings

Prerequisite: permission of department head.

Periodic conferences with an advisor are required. May be repeated to a total of 6 hours. May be taught concurrently with MTH 596. Cannot receive credit for both MTH 596 and MTH 696.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Fall, Spring

MTH 701 Real Analysis

Prerequisite: MTH 503 or MTH 603.

Topics include countable and uncountable sets, convergence, Lebesgue measure on the real line, the development of the Lebesgue integral, the fundamental theorem of calculus and Lp spaces.

the fundamental theorem of calculus and Lp spaces.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 702 Real and Abstract Analysis

Prerequisite: MTH 701.

A study of the theory of abstract measures and integration, and an introduction to functional analysis.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 706 Complex Analysis

Prerequisite: MTH 503 or MTH 603.

Analytic functions, power series, Cauchy's theorem and its applications, residues. Selected topics from conformal mapping, analytic continuation, harmonic functions, Fourier series, and Dirichlet problems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 710 Contemporary Mathematics for Secondary Teachers

Prerequisite: MTH 460 and MTH 333.

Reports, research, and recent trends in secondary mathematics; recently developed programs in algebra and geometry.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 721 Theory of Ordinary Differential Equations I

Prerequisite: MTH 303; and MTH 503 or MTH 603.

Existence and uniqueness theorems for first order differential equations; system of linear and nonlinear differential equations; continuous dependence of solutions on initial conditions and parameters; behavior of solutions of equations with constant coefficients, study of Lyapunov's theorems on stability; introduction to boundary value problems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 722 Theory of Ordinary Differential Equations II

Prerequisite: MTH 721.

Theory and application of boundary value problems; periodic solutions; linear systems with periodic coefficients (Floquet theory); two dimensional (autonomous) systems limit cycles. Differential equations under Caratheodory conditions; theory of differential and integral inequalities and other selected topics, if time permits.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 730 Abstract Algebra I

Prerequisite: MTH 532 or MTH 631; and MTH 333.

Topics from group theory will include Cayley's Theorem, finite abelian groups, Cauchy's Theorem, the Sylow Theorems, and free groups.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 732 Abstract Algebra II

Prerequisite: MTH 730.

Topics from ring theory will include the Chinese Remainder Theorem, Euclidean domains, rings of fractions, PID's and UFD's, and polynomial rings. Topics from field theory will include splitting fields, Galois Theory, separability, normality, and finite fields.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 741 Statistical Inference I

Prerequisite: MTH 540 or MTH 640 or equivalent.

Formulation of statistical models, sufficiency and exponential families, methods of estimation, optimality theory. Uniformly minimum variance unbiased estimators, Fisher information, Cramer/Rao inequality, large sample theory, Bayes procedures and minimax procedures.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 742 Statistical Inference II

Prerequisite: MTH 741.

Confidence intervals and regions, hypothesis testing, the Neyman-Pearson framework, uniformly most powerful tests, likelihood ratio criteria, power functions, similar regions, invariant tests, distribution free tests.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 750 Number and Operations for Elementary Mathematics Specialists

Prerequisite: Two years teaching experience and permission of program coordinator; and concurrently enrollment in ELE 730.

This course is designed to develop an understanding of the learning and teaching of pre-number concepts, counting and cardinality, and numbers and operations in base ten. Emphasis will be given to how children think about and learn these concepts and how they fit into the elementary school curriculum. This course cannot be used within the MS Mathematics program or the MSEd Secondary Education (Mathematics) program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 752 Rational Numbers and Proportional Thinking for Elementary Mathematics Specialists

Prerequisite: MTH 750 and permission of program coordinator; and concurrent enrollment in ELE 732.

This course is designed to develop an understanding of the learning and teaching of rational numbers and ratio and proportional relationships. Emphasis will be given to how children think about and learn these concepts and how they fit into the elementary school curriculum. This course cannot be used within the MS Mathematics program or the MSEd Secondary Education (Mathematics) program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 754 Algebraic Reasoning for Elementary Mathematics Specialist

Prerequisite: two years teaching experience and permission of program coordinator; and concurrently enrollment in ELE 734.

This course will focus on the content and complexities of teaching and assessing algebraic reasoning in grade 1-6 settings. Course content will include examination of representation and analysis of mathematical situations and structures. Attention will be given to patterns, functions, and the transition from arithmetic to algebra. This course cannot be used within the MS Mathematics program or the MSEd Secondary Education (Mathematics) program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 758 Data and Probability for Elementary Mathematics Specialist

Prerequisite: two years teaching experience and permission of program coordinator.

This course is designed to develop understanding of probabilistic reasoning and the collection, exploration, and analysis of data. Emphasis will be given to how children think and learn about these concepts and how they fit into the elementary school curriculum. This course cannot be used within the MS Mathematics program or the MSEd Secondary Education (Mathematics) program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 760 Geometry and Measurement for Elementary Mathematics Specialist

Prerequisite: two years teaching experience and permission of program coordinator; and concurrently enrollment in ELE 738.

This course is designed to develop an understanding of the teaching and learning of geometry and measurement. Emphasis will be given to how children think about and learn these concepts and how they fit into an elementary curriculum. This course cannot be used within the MS Mathematics program or the MSEd Secondary Education (Mathematics) program.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 781 Topology

Point set topology in abstract spaces.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 791 Seminar I

Seminar in Mathematics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 792 Seminar II

Seminar in Mathematics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

MTH 796 Science Internship

Completion of an internship project (at least 80 hours per credit hour) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree. This course may only be counted toward the PSM designation of the MNAS degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

MTH 797 Topics

Prerequisite: permission of department head.

Material covered determined by the interests and backgrounds of the students. May be repeated for a maximum of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

MTH 798 Research

Supervised research in mathematics or mathematics education. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

MTH 799 Projects

Independent research for thesis preparation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring

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Missouri State

Office of the Registrar
Undergraduate Catalog

Mathematics

Major(s)

Mathematics (Non-Comprehensive) (BA)

Bachelor of Arts

1. General Education Program and Requirements
2. Major Requirements
   a. MTH 261(5), 280(5), 302(3), 315(3), 333(3), 497(1), 503(3), 532(3), 540(3)
   b. Select an additional course from: MTH 303(3), 421(3), 575(3), or from mathematics courses numbered 400 or higher.
   c. Course required from related area: CSC 121(3) or 125(4) or 130(3)
   d. Public Affairs Capstone Experience will be fulfilled by completion of MTH 497(1), 503(3), 532(3), and 540(3).
3. Minor Required (or second major)
4. Specific Bachelor of Arts Degree Requirements
5. General Baccalaureate Degree Requirements

Mathematics (Non-Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements
   1. MTH 261(5), 280(5), 302(3), 303(3), 315(3), 333(3), 497(1), 503(3), 532(3), 540(3)
   2. Public Affairs Capstone Experience will be fulfilled by completion of MTH 497(1), 503(3), 532(3), and 540(3).
   3. Select one of the following options:
      a. **Actuarial Mathematics:**
         1. MTH 450(3), 541(3)
         2. Select an additional six hours from the following courses: MTH 543(3), 546(3), 547(3), 548(3)
         3. A minor in Insurance is recommended
      b. **Applied Mathematics:**
         1. MTH 421(3), 580(3)
         2. Select an additional six hours from the following courses: MTH 422(3), 507(3), 537(3), 543(3), 570(3)
      c. **General Mathematics:**
         1. MTH 421(3) or 541(3)
         2. Select an additional nine hours from mathematics courses numbered 400 or higher
      d. **Statistics:**
         1. MTH 541(3)
         2. Select an additional nine hours from the following courses: MTH 543(3), 545(3), 546(3), 547(3), 548(3)
   4. Courses required from related areas: CSC 125(4) or 130(3); PHY 203(5) (PHY 203 may partially fulfill the Natural World general education requirement.)
C. Minor Required (or second major)
D. General Baccalaureate Degree Requirements

Mathematics (Comprehensive) (BS)

Bachelor of Science

A. General Education Program and Requirements
B. Major Requirements
   1. MTH 261(5), 280(5), 302(3), 303(3), 315(3), 333(3), 497(1), 503(3), 532(3), 540(3); MTH 421(3) or 541(3)
   2. Public Affairs Capstone Experience will be fulfilled by completion of MTH 497(1), 503(3), 532(3), and 540(3).
   3. Select an additional 18 hours from mathematics courses numbered 400 or higher. The comprehensive major is individualized. Selection of courses for the additional 18 hours shall be made in conference with the advisor and is subject to approval by the department head. Students are encouraged to elect courses from other disciplines to enhance the comprehensive major.
   4. Courses required from related areas: CSC 125(4) or 130(3); PHY 203(5) (PHY 203 may partially fulfill the natural world general education requirement.)
C. General Baccalaureate Degree Requirements

Minor(s)

Mathematics

Bachelor of Arts

Bachelor of Science

A. MTH 261(5), 280(5); 215(3) or 315(3)
B. Additional mathematics courses numbered 300 or higher, other than MTH 315, to total at least 15 hours.

Mathematics

Bachelor of Science in Education (Non-Certifiable)

A. MTH 261(5), 280(5), 315(3), 575(3)
B. Select one course from: CSC 121(3), 125(4), 131(4)
C. Select one course from: MTH 460(3), 567(3)
D. Select additional mathematics courses numbered 300 or above to total at least 24 hours.

Accelerated graduate program in Mathematics

Eligible Missouri State undergraduate students may apply for admission to the mathematics program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Secondary Education/Mathematics

Eligible Missouri State undergraduate students may apply for admission to the Secondary Education/Mathematics program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted

toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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https://www.missouristate.edu/registrar/catalog/prog-mathematics.htm

Missouri State

Office of the Registrar
Undergraduate Catalog

Mathematics Education

Major(s)

Mathematics

Bachelor of Science in Education (Certifiable grades 9-12)

A. General Education Program and Requirements
B. Major Requirements
   1. MTH 261(5), 280(5), 302(3), 315(3), 333(3), 343(3), 460(3), 532(3), 545(3), 575(3)
   2. Select one course from: MTH 503(3), 510(3), 536(3), 540(3), 567(3)
   3. Courses required from related areas: CSC 121(3) or 125(4) or 130(3); PHY 123(4) or 203(5)
   4. Public Affairs Capstone Experience will be fulfilled by completion of MTH 492(2) and 494(10).
C. Professional Education Requirements. Note: A grade of "C" or better in each course is required for state certification.
   1. MTH 409(3), 410(3), 411(3), 492(2), 494(10)
   2. Professional Education Required Core and Competencies - see Teacher Education Program
D. General Baccalaureate Degree Requirements
E. This program also requires compliance with the Teacher Education Program for eligibility to enroll in Professional Education courses; admission to and continuance in the Teacher Education Program; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.
   1. at least a 2.75 GPA on all course work attempted at all colleges attended
   2. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B
   3. at least a 3.00 GPA in any additional certificate subject area
   4. at least a 3.00 GPA in the professional education courses which includes all courses listed under C; and no grade lower than a "C" in all professional education courses

Accelerated graduate program in Mathematics

Eligible Missouri State undergraduate students may apply for admission to the mathematics program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Secondary Education/Mathematics

Eligible Missouri State undergraduate students may apply for admission to the Secondary Education/Mathematics program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Physics, Astronomy and Materials Science

Programs

Indicates accelerated graduate program is available

Undergraduate

Astronomy (Minor)

Computational Science (certificate)

Environmental Physics Technology (Minor)

Physics (BS Major, Minor)

Graduate

Materials Science (MS)

Natural and Applied Science degree with an area of emphasis in Physics (MNAS)

Secondary Education with option in Physics (MSEd)

Accreditations

- Missouri Department of Elementary and Secondary Education – Secondary Education/Physics (MSEd)
- Council for the Accreditation of Educator Preparation – Secondary Education/Physics (MSEd)

General Information

Pre-engineering preparation

Missouri State University offers a cooperative engineering program in conjunction with Missouri University of Science and Technology in Rolla, MO. Only students residing in a sixteen-county area of southwest Missouri qualify for this program. Refer to the Engineering Program section of catalog for more information. Students who wish to pursue engineering, but do not meet the geographic requirements for the cooperative program, may take two years of foundation courses at Missouri State. The Departments of Mathematics and Physics, Astronomy and Materials Science jointly offer a two-year plan to meet the needs of these

Contact

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students, who must transfer later to complete a four-year degree in engineering. Contact either department for details.

Baker Observatory

The William G. and Retha Stone Baker Observatory is used on clear evenings for laboratory work by students in beginning and intermediate astronomy courses, and by advanced undergraduate students and faculty conducting astronomical research. The observatory houses many smaller telescopes for students to use in addition to two large telescopes. The observatory also holds the Astronomy Image Analysis Laboratory. Baker Observatory is located on Old Hillcrest Road, off Route 38, approximately 10 miles northwest of Marshfield in Webster County.

Website

physics.missouristate.edu

Program requirements and restrictions

Mathematical preparation

The mathematical preparation (or lack thereof) in high school strongly governs the point at which a student should begin a physics major. Since there are at least six different levels of beginning students in this discipline, it is imperative that these students consult a member of the physics staff as soon as possible, preferably before their first semester in attendance.

Dated courses

Courses taken more than 10 years before graduation are subject to review and possible rejection by the department faculty.

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https://www.missouristate.edu/registrar/catalog/dept_pa.html

Missouri State

Physics, Astronomy, and Materials Science Faculty

Distinguished professors

Kartik Ghosh, PhD

Robert A. Mayanovic, PhD

Professors

David M. Cornelison, PhD

Shyang Huang, PhD

Saibal Mitra, PhD

Robert S. Patterson, PhD

Emmett R. Redd, PhD

Michael D. Reed, PhD

Ridwan Sakidja, PhD

Assistant professors

Tiglet Besara, Phd

Evan Frodermann, PhD

Senior instructor

Rebecca A. Baker, MSEd

Emeritus faculty

Betty L. Bitner, EdD

David L. Carleton, MS

Ryan E. Giedd, PhD

Kandiah Manivannan, PhD

Howard M. Petefish, PhD

Bruno F. Schmidt, PhD

William E. Thomas, PhD

Robert E. Thurman, PhD

Robert J. Whitaker, PhD

George W. Wolf, PhD

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Missouri State

Physics, Astronomy, and Materials Science Courses

Astronomy (AST) courses

AST 110 Astronomical Observations

An introductory laboratory course stressing the techniques of astronomical observation and analysis of observed data. Students will have an opportunity to use telescopes and instruments at the Baker Observatory.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Upon demand

AST 111 Astronomical Frontiers

A general interest course which will explore in detail, but nonmathematically, current subject areas of astronomy and astrophysics, such as quasars, black holes, and the origin of the universe, which attract the greatest attention in the media and among the general public.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

AST 112 Life in the Universe

An exploration of the prospects for life on other worlds and what that detection, or non-detection, means to humanity. Topics include the origin of elements in the Universe and how they form the building blocks of life, how conditions favorable for life can occur on planets, how life evolves, recent discoveries of exoplanets, and possible effects of the discovery of extraterrestrial life on society.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

AST 113 Modern Astronomy

General Education Course (Focus on Physical Sciences).

An introduction to our present knowledge of the nature of the universe, the galaxies, the stars, and the planets. A description of the natural

An introduction to our present knowledge of the nature of the universe, the galaxies, the stars, and the planets. A description of the natural laws and physical observations which are leading us to an understanding of our place in the cosmos. May only receive credit for one of AST 113, AST 114, or AST 115.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
3	3	0	Fall, Spring	ASTR 100 - Astronomy.

Access the CORE 42 portal

AST 114 Survey of Astronomy

General Education Course (Focus on Physical Sciences).

Historical and descriptive aspects of astronomy; topics of current interest related to space science. May only receive credit for one of AST 113, AST 114, or AST 115.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
4	4	0	Fall, Spring	ASTR 100 - Astronomy.

Access the CORE 42 portal

AST 115 Basic Astronomy

General Education Course (Focus on Physical Sciences).

Historical and descriptive aspects of astronomy; topics of current interest related to space science. Laboratory consists of observations with telescopes and of experiments pertinent to the field. May only receive credit for one of AST 113, AST 114, or AST 115.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
4	3	2	Fall, Spring	ASTR 100L - Astronomy with Lab.

Access the CORE 42 portal

AST 311 Astronomical Techniques

Prerequisite: MTH 135; and either AST 114 or AST 115.

Intermediate level course; actual techniques of astronomical observation, methods of analysis of these observations, possible interpretations of acquired data. In laboratory, each student obtains observations for study in spectroscopy, photometry, photography, and CCD imaging.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

AST 313 The New Solar Systems

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 138 or above.

A modern inquiry of the planets, comets, asteroids, and other members of our solar system and the planets of other stellar systems, based on recent interplanetary explorations and Earth-based observations. May only receive credit for one of AST 313, AST 513, or AST 613.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

AST 315 The Lives and Deaths of Stars

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 138 or above.

The structure of stars, processes at work in stellar atmospheres, the formation process, and the evolution of stars into white dwarfs, neutron stars, or black holes. May only receive credit for one of AST 315, AST 515, and AST 615.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

AST 317 Our Universe, the Final Frontier

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 138 or above.

Modern views on the structure of the Universe: its past, present, and future. Topics include the structure and content of our Galaxy and other galaxies, clusters of galaxies, the Big Bang theory (including Inflation), and the eventual fate of our Universe. May only receive credit for one of AST 317, AST 517, and AST 617.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

AST 513 Solar and Extra-Solar Systems

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.

Formation of planetary systems, planetary dynamics, and comparative planetology. Project required. May be taught concurrently with AST 313 and/or AST 613. May only receive credit for one of AST 313, AST 513, and AST 613.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

AST 515 Stellar Structure and Evolution

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.

Basic concepts of stellar structure, atmospheres, and evolution. Project required. May be taught concurrently with AST 315 and/or AST 615.

May only receive credit for one of AST 315, AST 515, and AST 615.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

AST 517 Galaxies and Cosmology

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.

Study of galaxies and the Universe. Topics include the structure and content of our Galaxy and other galaxies, clusters of galaxies, the Big Bang theory (including Inflation), and the eventual fate of our Universe. Project required. May be taught concurrently with AST 317 and/or 617. May only receive credit for one of AST 317, AST 517, and AST 617.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

AST 613 Solar and Extra-Solar Systems

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.

Formation of planetary systems, planetary dynamics, and comparative planetology. Project required. May be taught concurrently with AST 313 and/or AST 513. May only receive credit for one of AST 313, AST 513, and AST 613.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

AST 615 Stellar Structure and Evolution

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.

Basic concepts of stellar structure, atmospheres, and evolution. Project required. May be taught concurrently with AST 315 and/or AST 615. May only receive credit for one of AST 315, AST 515, and AST 615.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (odd-numbered years)

AST 617 Galaxies and Cosmology

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.

Study of galaxies and the Universe. Topics include the structure and content of our Galaxy and other galaxies, clusters of galaxies, the Big Bang theory (including Inflation), and the eventual fate of our Universe. Project required. May be taught concurrently with AST 317 and/or 617. May only receive credit for one of AST 317, AST 517, and AST 617.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring (even-numbered years)

AST 711 Astronomy for Teachers

Theory and techniques of observational astronomy.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Upon demand

AST 719 Advanced Astronomical Techniques

Advanced astronomical observational techniques in imaging, photometry, spectroscopy, and astrometry. Techniques of data and error analysis. Laboratory portion will include obtaining and analyzing observational data.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall (odd-numbered years)

Materials Science (MAT) courses

MAT 509 Special Topics in Materials Science

Prerequisite: permission of instructor.

Variable content, variable credit course. Topics to be chosen from current areas of interest in Materials Science. May be repeated to a total of 6 hours with a different topic. May be taught concurrently with MAT 609. Cannot receive credit for both MAT 609 and MAT 509.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MAT 514 Techniques in Electron Microscopy

An introduction to techniques in electron microscopy with a primary emphasis on scanning electron microscopy and X-ray microanalysis. Theoretical background and experimental procedures involve both techniques but the major focus will be on obtaining secondary electron images. Additional coverage will include sample preparation, back-scattered electron imaging, X-ray mapping, and related image processing techniques. May be taught concurrently with MAT 614. Cannot receive credit for both MAT 514 and MAT 614.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall (even-numbered years)

MAT 540 Thermodynamics of Materials

Prerequisite: PHY 343 or CHM 506.

Review of classical thermodynamics, equilibrium in thermodynamic systems, the statistical interpretation of entropy, unary and multi-component systems, thermodynamics of phase diagrams and phase equilibrium. May be taught concurrently with MAT 640. Cannot receive credit for both MAT 540 and MAT 640.

credit for both MAT 540 and MAT 640.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MAT 550 Introduction to Materials Science

Prerequisite: PHY 375 or CHM 507.

Investigation of the relationships that exist between the structure, properties, processing and performance of materials. Different types of materials will be studied with a special emphasis on polymers and semiconductors. Structure-property correlations, including electronic, thermal, and mechanical properties, will be presented for these materials. May be taught concurrently with MAT 651. Cannot receive credit for both MAT 550 and MAT 651.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MAT 580 Structure of Solids

Prerequisite: PHY 575 or CHM 507.

Review of quantum mechanics, followed by an in-depth study of crystal structures, energy band structures in solids, lattice dynamics, and a survey of the physical properties of solids. May be taught concurrently with MAT 681. Cannot receive credit for both MAT 580 and MAT 681.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MAT 609 Special Topics in Materials Science

Prerequisite: permission of instructor.

Variable content course. Topics to be chosen from current areas of interest in Materials Science. May be repeated to a total of 6 hours with a different topic. May be taught concurrently with MAT 509. Cannot receive credit for both MAT 509 and MAT 609.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

MAT 614 Techniques in Electron Microscopy

An introduction to techniques in electron microscopy with a primary emphasis on scanning electron microscopy and X-ray microanalysis. Theoretical background and experimental procedures involve both techniques but the major focus will be on obtaining secondary electron images. Additional coverage will include sample preparation, back-scattered electron imaging, X-ray mapping, and related image processing techniques. May be taught concurrently with MAT 514. Cannot receive credit for both MAT 514 and MAT 614.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall (even-numbered years)

MAT 640 Thermodynamics of Materials

Prerequisite: PHY 343 or CHM 506 or CHM 606.

Review of classical thermodynamics, equilibrium in thermodynamic systems, the statistical interpretation of entropy, unary and multi-component systems, thermodynamics of phase diagrams and phase equilibrium. May be taught concurrently with MAT 540. Cannot receive credit for both MAT 540 and MAT 640.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MAT 651 Introduction to Materials Science

Prerequisite: PHY 375 or CHM 507 or CHM 607.

Investigation of the relationships that exist between the structure, properties, processing and performance of materials. Different types of materials will be studied with a special emphasis on polymers and semiconductors. Structure-property correlations, including electronic, thermal, and mechanical properties, will be presented for these materials. May be taught concurrently with MAT 550. Cannot receive credit for both MAT 550 and MAT 651.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MAT 681 Structure of Solids

Prerequisite: PHY 375 or CHM 507 or CHM 607.

Review of quantum mechanics, followed by an in-depth study of crystal structures, energy band structures in solids, lattice dynamics, and a survey of the physical properties of solids. May be taught concurrently with MAT 580. Cannot receive credit for both MAT 580 and MAT 681.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

MAT 720 Advanced Quantum Mechanics

Advanced topics in quantum mechanics including variational methods, approximation techniques, time-independent and time-dependent perturbation theory, second quantization, and the interactions of light with matter.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MAT 750 Experimental Design

Laboratory techniques necessary for the development of instrumentation. Topics will include elementary computer interfacing, prototype design, mechanical and electronic construction, and reliability testing. The student will develop, design and build a test instrument and study each of the above topics during this process.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Fall

MAT 758 Optoelectronic Materials

Course includes the study of advanced electronic properties of materials, lattice dynamics, and a survey of the optical-electronic interactions in materials.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

MAT 770 Synthesis and Characterization of Advanced Materials

Experimental techniques in the synthesis of advanced materials applications in electronics and energy technology. The mechanism of growth of thin films using different deposition techniques will be studied. Structural and physical characterization of the thin films will also be studied. Experimental methods including physical vapor deposition, X-ray diffraction, and optical spetrocopies and analysis will be studied.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

MAT 780 Polymer Preparation and Characterization

Preparation of polymers, including the techniques of condensation polymerization, free radical polymerization, and if time permits, plasma polymerization. Characterization experiments will be viscosity measurements, differential scanning calorimetry, and thermal gravimetric analysis. Film preparation including spin coating, aspiration, and doctor blade systems will also be investigated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Spring

MAT 790 Statistical Applications in Materials Science

Selective topics in materials science important to the design, testing, fabrication, and manufacture of materials whose underlying theme is mathematical modeling based in statistical methods. The topics include mass transport in solids, atomic diffusion on surfaces, adsorption and desorption on surfaces, epitaxial growth, degradation of materials, queuing theory, and operations research.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered
3	3	0	Spring

MAT 792 Introduction to Computational Materials Science

Prerequisite: PHY 575 or PHY 675 or equivalent Introduction to Quantum Mechanics course.

The course aims to provide an introduction to and practical applications in high-performance computing as implemented in atomistic-based computational materials science. Topics include electronic structure calculations, classical molecular dynamics, Monte-Carlo simulations and crystal structure predictions for materials processes and/or fundamental materials properties.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall (odd-numbered years)

MAT 796 Science Internship

Completion of an internship project (480 hours) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

MAT 798 Seminar in Materials Science

Prerequisite: candidate for the MS degree in Materials Science.

Selected topics in materials science of a theoretical, experimental, or applied nature with an emphasis on recent developments and their impact. May be repeated for a maximum of 4 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Spring

MAT 799 Research in Materials Science

Prerequisite: permission.

Supervised research in areas of materials science. May be repeated, but no more than 12 hours may be counted toward the MS degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

Physics (PHY) courses

PHY 100 Survey of Physics with Laboratory

General Education Course (Focus on Physical Sciences).

Description of nature as seen by physicists; effects this description and new scientific discoveries will have on society. Laboratories consist of discussions of current relations between science and society, demonstration of precise experimental apparatus, some actual involvement with the experimental method.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
4	3	2	Fall	PHYS 100L - Essentials in Physics with Lab.

Access the CORE 42 portal

PHY 101 Physics by Inquiry for Educators

Prerequisite: open only to Early Childhood, Elementary, Middle School, and Special Education majors.

General Education Course (Focus on Physical Sciences).

Laboratory experiences model inquiry teaching methods appropriate for use in early childhood, elementary and middle school science lessons. Science content includes mechanics, optics, heat, electricity and magnetism, properties of materials. Students will increase their understanding of the nature of science.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
4	2	4	Fall, Spring	PHYS 100LT - Essentials in Physics with Lab-Teaching.

Access the CORE 42 portal

PHY 110 Big Ideas in Physics

Topics may include Big Bang Theory, Quantum Theory, String Theory, Special and General Relativity, High-Energy (particle accelerator) Physics, Exoplanets and Life in the Universe. Also includes an introduction to the profession, culture, and discipline of physics, astronomy, and materials science and the facilities, faculty and current research at Missouri State University. This course is primarily for those either considering or intending to pursue a career in physics, astronomy, and/or materials science. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

PHY 123 Introduction to Physics I

Prerequisite: C or better in MTH 135 or MTH 136; or MTH 287 or eligibility for enrollment in MTH 261.

General Education Course (Focus on Physical Sciences).

An introduction to physical theories covering the content areas of mechanics, fluids, sound, and thermodynamics. A knowledge of the laws of Physics will help the student better understand the world and how these laws can be used to make informed decisions to improve society. A grade of "C" or better is required in this course to take PHY 124.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
4	3	2	Fall, Spring	PHYS 150L - Physics I with Lab.



Access the CORE 42 portal

PHY 124 Introduction to Physics II

Prerequisite: "C" grade or better in PHY 123.

A continuation of PHY 123 in the content areas of electricity and magnetism, electronics, and optics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	3	2	Fall, Spring

PHY 131 Mini Physics

A course whose various sections treat physics or astronomy from a contemporary, historical and/or theoretical point of view. Students should check the current registration schedule to determine the topic associated with each section being offered. Course may be repeated, provided topic and title are different, to a total of 5 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

PHY 141 Mini Physics Laboratory

A laboratory course explaining the use of scientific equipment and experimental procedures. Students should check the current registration schedule to determine the topic and titles for any given semester. Since the content of this course varies from semester to semester, it may be repeated, provided the topic title is different, to a total of 5 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

PHY 152 Introductory Circuits-Survey of Electronics

Prerequisite: MTH 138 or MTH 181.

Introduction and survey of Kirkoff's current and voltage laws, network analysis, and Thevenin's and Norton's theorems for complex

impedances. Transfer functions, passive and active filters, and signal processing. Amplifiers, logic, number systems, and mixed-signal electronics. Laboratory experiences will feature oscilloscope measurements and analysis and introduction to circuit modeling software.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

PHY 203 Foundations of Physics I

Prerequisite: MTH 261 (completed); or MTH 261 (concurrent enrollment) and ACT mathematics score equal to more than 29.

General Education Course (Focus on Physical Sciences).

Students must be skilled in using the Microsoft Excel spreadsheet program (see the Department of Physics, Astronomy, and Materials Science for a list of required spreadsheet skills). First of two semesters in basic calculus physics. Lecture and laboratory topics covered include mechanics, waves, and thermodynamics. A grade of "C" or better is required in this course to take PHY 204.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered	CORE 42 (MOTR) equivalent
5	3	4	Fall, Spring	PHYS 200L - Advanced Physics I with Lab.

CORE 42 MOTR ANSFER GUARANTEED Access the CORE 42 portal

PHY 204 Foundations of Physics II

Prerequisite: C grade or better in PHY 203; and; either MTH 280 or MTH 288 or concurrent enrollment in MTH 280.

Students must be skilled in using the Microsoft Excel spreadsheet program (see the Department of Physics, Astronomy, and Materials Science for a list of required spreadsheet skills). Continuation of PHY 203 with lecture and laboratories covering electricity, magnetism, and optics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
5	3	4	Fall, Spring

PHY 220 Introduction to Structure and Logic of Digital Computers

Prerequisite: eligibility for MTH 261.

Introduction to the internal structures of digital computers; design of gates, flipflops, registers, and memories to perform operations on numerical and other data represented in binary form. Laboratory uses logical blocks for experiments with combinational and sequential networks and simple digital systems.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall, Spring

PHY 233 Engineering Statics

Prerequisite: C grade or better in MTH 280 and in PHY 203.

Prerequisite: C grade or better in MTH 280 and in PHY 205.

Application of mechanics to equilibrium problems; topics include principles of center of mass, resultant force, friction, moment of inertia, torque, etc. Course does not satisfy any requirement for a physics major or minor.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

PHY 252 Introduction to Circuit Analysis

Prerequisite: MTH 280.

A study of Kirkoff's current and voltage laws, resistive circuits with DC sources, network analysis by node voltages and mesh currents, Thevenin's and Norton's theorems, and first order circuits.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PHY 291 Introduction to Computational Physics

Prerequisite: MTH 280.

Numerical and computer methods related to physics modeling and data analysis. Introduction of physics applications using symbolic, matrix, and spreadsheet software including programming. Programming applied directly to physical simulations. Recent advances in physics-related computing.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PHY 300 Service Learning in Physics

Prerequisite: 30 hours and concurrent registration in a Physics course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in Physics to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring

PHY 324 Instrumental/Computer Interfacing

Prerequisite: PHY 152.

An introduction to computer architecture, machine/assembly language programming, and peripheral interfacing. Topics include microprocessor operation, addressing modes, memory organization, microprocessor buses, reset and interrupts, parallel I/O, serial I/O, timers, and analog/digital conversions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
4	2	4	Fall, Spring

PHY 333 Intermediate Mechanics

Prerequisite: PHY 203 and PHY 391 and MTH 303.

Classical mechanics of particles. Topics include kinematics, dynamics, oscillations, central forces, conservation theorems, scattering, and an introduction to the Lagrangian and Hamiltonian formulations of mechanics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PHY 343 Thermal Physics

Prerequisite: PHY 203; and MTH 302 or concurrent enrollment.

The macroscopic laws of thermodynamics and the microscopic foundation for those laws. Topics include the microcanonical, canonical, and grand canonical ensembles; Maxwell-Boltzmann, Fermi-Dirac, and Bose-Einstein statistics; equation of state, thermodynamic potentials, Maxwell's relations, and phase transitions.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PHY 351 Circuit, Signals, and Controls

Prerequisite: PHY 152.

Review of circuits. Transfer functions, passive and active filters, and signal processing. Amplifiers including classes, operational, differential and instrumentation, logic, number systems, and mixed-signal electronics. Digital and analog experimental sensing and control. Further use of circuit modeling software.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

PHY 353 Electricity and Magnetism

Prerequisite: PHY 204 and PHY 391.

An introduction to the theory of electric and magnetic fields and their sources. Topics include electrostatic and magnetostatic fields in a

An introduction to the theory of electric and magnetic fields and their sources. Topics include electrostatic and magnetostatic fields in a vacuum, electric potential, magnetic vector potential, electromagnetic fields, and Maxwell's equations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PHY 373 Radiation Physics

Prerequisite: PHY 124 or PHY 204.

Theory of and measurement techniques for electromagnetic and particulate radiation.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall

PHY 375 Modern Physics

Prerequisite: PHY 204; and MTH 302 or concurrent enrollment.

An introduction to the major developments in physics during the twentieth century. Topics include the special theory of relativity, the experimental basis for quantum mechanics, wave-particle duality, introductory quantum mechanics of one-dimensional systems, nuclear physics, and elementary particle physics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PHY 385 Experiments in Modern Physics

Prerequisite: PHY 375.

A study of basic experimental techniques, data analysis, and analysis of experimental errors. Laboratory experiments chosen from physical phenomena discovered in the twentieth century and may include photoelectric effect, Hall effect, Frank-Hertz experiment, electron spin resonance, and others. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Spring

PHY 386 Undergraduate Research I

Prerequisite: permission.

An introduction to research that requires the selection of a suitable research project, completing a written feasibility study for the proposed project, and making all necessary preparations for the actual pursuit of the project in PHY 486. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

PHY 390 Interdisciplinary Topics in Physics

Prerequisite: permission.

Topics of interdisciplinary nature; usually team-taught by members of the disciplines involved. Typical topics chosen from: space physics (e.g. lunar studies), chemical physics (e.g. spectroscopy), biophysics, geophysics, mathematical physics, etc. Since credit and topics vary, the course may be repeated to a total of 6 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

PHY 391 Mathematics for Science and Engineering I

Prerequisite: MTH 302.

A study of mathematical techniques widely used in science and engineering. Topics covered include series solutions to differential equations, Fourier series and transforms, vector calculus, matrix algebra, complex functions, and partial differential equations.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PHY 392 Mathematics for Science and Engineering II

Prerequisite: PHY 391.

A continuation of PHY 391 with topics selected from complex integration, numerical solutions to differential equations, special functions, probability distribution functions, and group theory.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

PHY 399 Cooperative Education in Physics

Prerequisite: acceptance into the Cooperative Education Program and permission.

The opportunity to earn academic credit in a planned learning process that integrates academic training with a supervised work experience. This is a variable content course that may be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PHY 409 Selected Topics in Physics

Prerequisite: permission.

Advanced topics in physics which may vary from year to year. Some typical topics: solid state, nuclear structure, plasmas, fluids, astrophysics, applied group theory. Inter-disciplinary topics such as atmospheric physics and spectroscopy might also be offered. Since credit and topics vary, the course may be repeated to a total of 6 hours. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-5			Upon demand

PHY 476 Introduction to Nuclear and Particle Physics

Prerequisite: PHY 375 and PHY 391 and MTH 303.

Studies subatomic structure, basic constituents and their mutual interactions. Topics include nuclei, radioactivity, interactions of radiation with matter, particle detection, accelerators, nuclear models and reactions, and classification and interactions of quarks and other elementary particles.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Spring

PHY 486 Undergraduate Research II

Prerequisite: PHY 386.

A continuation of PHY 386 in which the feasibility study from PHY 386 and the research project outcome are to be combined in a written report following a format required for journal publication. An oral presentation of this work will be reviewed by the faculty. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

PHY 495 Readings in Physics

Prerequisite: permission of department head.

Independent reading; topics not offered in regular courses. Course may be repeated to a total of 4 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-4			Upon demand

PHY 499 Honors Project in Physics

Prerequisite: permission of department head.

Enrollment limited to students of distinguished capability and industry. Students must consult with the physics and astronomy staff concerning their proposed problem prior to enrollment for this course. This course may be repeated to a total of 5 hours.

concerning their proposed problem prior to enrollment for this course. This course may be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PHY 501 Physics and Astronomy By Inquiry

Prerequisite: 70 hours including PHY 101.

This course is a continuation of PHY 101. Additional topics in mechanics, optics, heat, electricity and magnetism will be covered. The course will also include an introduction to Astronomy. Concepts will be explored using the inquiry approach. Will not count towards a major or minor in physics. May be taught concurrently with PHY 602. Cannot receive credit for both PHY 501 and PHY 602.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

PHY 509 Special Topics in Physics and Astronomy

Prerequisite: permission.

Variable content, variable credit course. Topics to be chosen from current areas of interest. May be repeated to a total of 6 hours with different topic. May be taught concurrently with PHY 609. Cannot receive credit for both PHY 609 and PHY 509.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PHY 575 Quantum Mechanics

Prerequisite: PHY 375 or CHM 507.

A mathematical development of the principles of quantum mechanics and their application to selected systems. Topics include Schrodinger's equation, operators, Heisenberg uncertainty principle, angular momentum, and applications, including the hydrogen atom. May be taught concurrently with PHY 675. Cannot receive credit for both PHY 575 and PHY 675.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PHY 591 Computational Methods and Data Analysis in Physical Sciences

Prerequisite: PHY 291 or permission of instructor.

Computational techniques related to physical sciences including techniques used for data analysis. An exploration of scientific operating systems, programs used for analysis and simulations, and methods for analyzing data and producing simulations. May be taught concurrently with PHY 692. Cannot receive credit for both PHY 591 and PHY 692.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Fall (odd-numbered years)

PHY 602 Physics and Astronomy By Inquiry

Prerequisite: PHY 101.

This course is a continuation of PHY 101. Additional topics in mechanics, optics, heat, electricity and magnetism will be covered. The course will also include an introduction to Astronomy. Concepts will be explored using the inquiry approach. Will not count towards a major or minor in physics. May be taught concurrently with PHY 501. Cannot receive credit for both PHY 501 and PHY 602.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	1	2	Fall

PHY 609 Special Topics in Physics and Astronomy

Prerequisite: permission.

Variable content, variable credit course. Topics to be chosen from current areas of interest. May be repeated to a total of 6 hours with different topic. May be taught concurrently with PHY 509. Cannot receive credit for both PHY 609 and PHY 509.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PHY 675 Quantum Mechanics

Prerequisite: PHY 375 or CHM 607.

A mathematical development of the principles of quantum mechanics and their application to selected systems. Topics include Schrodinger's equation, operators, Heisenberg uncertainty principle, angular momentum, and applications, including the hydrogen atom. May be taught concurrently with PHY 575. Cannot receive credit for both PHY 575 and PHY 675.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall

PHY 692 Computational Methods and Data Analysis in Physical Sciences

Prerequisite: PHY 291 or permission of instructor.

Computational techniques related to physical sciences including techniques used for data analysis. An exploration of scientific operating systems, programs used for analysis and simulations, and methods for analyzing data and producing simulations. May be taught concurrently with PHY 591. Cannot receive credit for both PHY 591 and PHY 692.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered

3	3	0	Fall (odd-numbered years)

PHY 701 Workshop on Topical Issues in Science Education

Prerequisite: permission.

Workshop to upgrade understanding of selected topics in science, and improve elementary, middle school and/or secondary science teaching. Each workshop will include performance and analysis of appropriate investigations to enhance understanding of the selected topics. Number of class hours determined by semester hours of credit. Variable content course. May be repeated to a maximum of 6 hours provided the topics are different.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

PHY 785 Physics Laboratory for Teachers

Prerequisite: permission.

Performance and analysis of secondary laboratory experiments in physics.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	1	4	Upon demand

PHY 790 Seminar in Physics

Prerequisite: permission.

Extensive paper on agreed topic in physics or astronomy to be read before staff seminars. May be repeated to a total of 4 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

PHY 796 Science Internship

Completion of an internship project (80 hours/credit hour) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Fall, Spring, Summer

PHY 799 Research in Natural and Applied Sciences

Prerequisite: permission of department head.

Supervised research in the natural and applied sciences. May be repeated, but no more than 12 hours may be counted toward the masters degree. Cannot be applied toward the MS degree in Materials Science.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Physics

Major(s)

Physics (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
   Specific General Education Requirements: PHY 203(5), MTH 261(5), ENG 321(3)
B. Major Requirements
   1. PHY 152(3), 204(5), 291(3), 324(4), 333(3), 343(3), 353(3), 375(3), 385(2), 386(1), 391(3), 486(1)
   2. Public Affairs Capstone Experience will be fulfilled by completion of PHY 385(2), 386(1) and 486(1).
   3. Select one of the following option areas:
      a. **Astronomy and Astrophysics:** AST 113(3), 114(4) or 115(4); and select two courses from: AST 311(3), 313(3), 315(3), 317(3)
      b. **Career Prep Physics:** PHY 351(3) and one of either PHY 575(3) or MAT 540(3) and three hours of 400 or 500 level PHY, MAT, or CHM coursework.
      c. **Materials Physics:** MAT 540(3), 550(3), 580(3); PHY 575(3)
      d. **Teaching Prep Physics:** AST 115(4); GRY 108(3) and at least six hours from any 300 or 400 or 500 level courses from AST, MAT or PHY coursework excluding PHY 501.
   4. Related Requirements: MTH 280(5), 302(3), 303(3)
C. General Baccalaureate Degree Requirements

Minor(s)

Physics

Bachelor of Science

A. PHY 123(4) or 203(5); PHY 124(4) or 204(5)
B. Ten (10) hours of electives from any other physics courses above PHY 124 except PHY 203 and 204. Courses with mathematics prerequisites no higher than required in item A above: PHY 131(1), 141(1), 152(3), 220(4)

Accelerated graduate program in Materials Science

Eligible Missouri State undergraduate students may apply for admission to the Materials Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin

taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate certificate in Science Content

Eligible Missouri State undergraduate students may apply for admission to the Science Content certificate program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate certificate (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Computational Science Certificate

Computational Science

This certificate provides students with a background in the application of computer code to the solution of problems of interest to those in science, mathematics, or engineering. Physical processes that are intractable to an analytical approach, can be studied and simulated using the algorithms and techniques developed in this certificate program.

Program requirements (18 hours)

A. PHY 291(3); CSC 125(4); MTH 421(3) or CSC 421(3); MTH 422(3) or CSC 422(3)
B. Select five additional hours approved by certificate advisor.
C. All candidates must satisfy the General University Certificate Requirements.

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Missouri State

Office of the Registrar
Undergraduate Catalog

Environmental Physics Technology

Minor(s)

Environmental Physics Technology

Bachelor of Science

A. PHY 123(4), 124(4), 351(3), 373(3)
B. CHM 116(4) and 117(1), or CHM 160(4); GRY 135(4)

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Missouri State

Office of the Registrar
Undergraduate Catalog

Physics

Major(s)

Physics (Comprehensive)

Bachelor of Science

A. General Education Program and Requirements
   Specific General Education Requirements: PHY 203(5), MTH 261(5), ENG 321(3)
B. Major Requirements
   1. PHY 152(3), 204(5), 291(3), 324(4), 333(3), 343(3), 353(3), 375(3), 385(2), 386(1), 391(3), 486(1)
   2. Public Affairs Capstone Experience will be fulfilled by completion of PHY 385(2), 386(1) and 486(1).
   3. Select one of the following option areas:
      a. **Astronomy and Astrophysics:** AST 113(3), 114(4) or 115(4); and select two courses from: AST 311(3), 313(3), 315(3), 317(3)
      b. **Career Prep Physics:** PHY 351(3) and one of either PHY 575(3) or MAT 540(3) and three hours of 400 or 500 level PHY, MAT, or CHM coursework.
      c. **Materials Physics:** MAT 540(3), 550(3), 580(3); PHY 575(3)
      d. **Teaching Prep Physics:** AST 115(4); GRY 108(3) and at least six hours from any 300 or 400 or 500 level courses from AST, MAT or PHY coursework excluding PHY 501.
   4. Related Requirements: MTH 280(5), 302(3), 303(3)
C. General Baccalaureate Degree Requirements

Minor(s)

Physics

Bachelor of Science

A. PHY 123(4) or 203(5); PHY 124(4) or 204(5)
B. Ten (10) hours of electives from any other physics courses above PHY 124 except PHY 203 and 204. Courses with mathematics prerequisites no higher than required in item A above: PHY 131(1), 141(1), 152(3), 220(4)

Accelerated graduate program in Materials Science

Eligible Missouri State undergraduate students may apply for admission to the Materials Science program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of nine hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

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Accelerated graduate program in Natural and Applied Science

Eligible Missouri State undergraduate students may apply for admission to the Master of Natural and Applied Science program and begin

taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Accelerated graduate certificate in Science Content

Eligible Missouri State undergraduate students may apply for admission to the Science Content certificate program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate certificate (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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Missouri State

Graduate College

Programs

Graduate

Professional Studies (MPS)

Interdisciplinary Studies (MS)

Professional Studies (Certificate)

Individualized Studies (Certificate)

Refer to the Graduate Catalog for admission requirements, academic policies, program and degree requirements.

Graduate transfer credit

For information, refer to the Graduate Transfer Credit Policy.

Active in research course

Students who have completed all course work and are only working on their research component may register for GEN 798, Active in Research. This course is offered at a flat-rate fee of $75 and allows the following: access to the library including online service such as interlibrary loans, MOBIUS, and restricted access databases; opportunity to purchase a parking permit; and access to computer services and Missouri State email. Course is for zero credit hour and is graded "P" (pass) or "W" (student discontinues participation in the course and is dropped from the course).

Accreditation

The University's regional accreditation is through the Higher Learning Commission. On a 10-year review cycle, Missouri State University has been continuously accredited by the North Central association since 1915. HLC accreditation is for the entire University not specific academic programs.

Refer to the University's Accreditation website for specific graduate program accreditation.

Contact

Associate provost and dean

Julie J. Masterson, PhD

Associate dean

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417-836-5331

Fax

417-836-6888

Email

GraduateCollege@missouristate.edu

Website

graduate.missouristate.edu/

Graduate degrees offered (Banner degree code in parenthesis)

- Doctor of Audiology (AuD)
- Doctor of Nursing Practice (DNP)
- Doctor of Nurse Anesthesia Practice (DNAP)
- Doctor of Physical Therapy (DPT)
- Master of Accountancy (MAcc)
- Master of Applied Second Language Acquisition (MASLA)
- Master of Arts (MA)
- Master of Arts in Teaching (MAT)
- Master of Arts in Teaching and Learning (MATL)
- Master of Athletic Training (MATC)
- Master of Business Administration (MBA)
- Master of Fine Arts (MFA)
- Master of Global Studies (MGS)
- Master of Health Administration (MHA)
- Master of Music (MM)
- Master of Natural and Applied Science (MNAS)
- Master of Occupation Therapy (MOT)
- Master of Professional Studies (MPS)
- Master of Public Administration (MPA)
- Master of Public Health (MPH)
- Master of Science (MS)
- Master of Science in Education (MSEd)
- Master of Science in Nursing (MSN)
- Master of Social Work (MSW)
- Specialist in Education (EdS)

Graduate programs of study

- Accountancy, Master of (MAcc)
- Agriculture (MS)
- Applied Behavior Analysis (MS)
- Applied Second Language Acquisition (MASLA)
- Athletic Training (MATC, MS)
- Audiology, Doctor of (AuD)
- Biology (MS)
- Business Administration, Master of (MBA)
- Cell and Molecular Biology (MS)
- Chemistry (MS)
- Child Life Studies (MS)
- Communication (MA)
- Communication Sciences and Disorders (MS) *Options: Education of the Deaf and Hard of Hearing; Speech-Language Pathology*
- Computer Science (MS)
- Counseling (MS) *Options: Clinical Mental Health Counseling; School Counseling*
- Criminology and Criminal Justice (MS)
- Counseling and Assessment (EdS)
- Cybersecurity (MS)
- Defense and Strategic Studies (MS) *Options: General; Weapons of Mass Destruction Studies*
- DNP-Family Nurse Practitioner: BSN to DNP
- Early Childhood and Family Development (MS)
- Early Childhood Special Education (MSEd)
- Educational Administration (MSEd) *Options: Elementary; Secondary*
- Educational Administration (EdS) *Options: Elementary Principal; Secondary Principal; Superintendent*
- Educational Leadership (EdD) *cooperative degree with the University of Missouri-Columbia. Degree awarded by the University of Missouri-Columbia.*

- Educational Technology (MSEd)

- Elementary Education (MSEd)
- English (MA)
- Fine Arts, Visual Studies (MFA)
- Geography and Geology (MS) *Options: Geography; Geology; Geospatial Science; Planning*
- Global Studies, Master of (MSG)
- Health Administration, Master of (MHA)
- Health Promotion and Wellness Management (MS)
- History (MA)
- Information Technology (MS)
- Interdisciplinary Studies (MS)
- Literacy (MSEd)
- Materials Science (MS)
- Mathematics (MS)
- Music, Master of (MM)
- Natural and Applied Science, Master of (MNAS)
- Nurse Anesthesia Practice, Doctor of (DNAP)
- Nursing, Master of Science in (MSN) *Options: Family Nurse Practitioner; Nurse Educator; Population Health Leadership*
- Nursing Practice, Doctor of (DNP) *Options: Post master's DNP, BSN to DPN*
- Nutrition and Dietetics (MS)
- Occupational Therapy (MOT)
- Pharmacy, Doctor of (PharmD) *cooperative degree with the University of Missouri-Kansas City. Degree awarded by the University of Missouri-Kansas City.*
- Physical Therapy, Doctor of (DPT)
- Physician Assistant Studies (MS)
- Plant Science (MS)
- Professional Studies, Master of (MPS) *Options: Applied Communication; Criminal Justice; Environmental Management; Homeland Security; Hospitality Administration; Individualized; Producing and Screenwriting; Project Management; Sports Management*
- Project Management (MS)
- Psychology (MS) *Options: Clinical; Experimental; Industrial/Organizational*
- Public Administration, Master of (MPA)
- Public Health, Master of (MPH)
- Religious Studies (MA)
- Secondary Education (MSEd) *Options: Agriculture; Art; Biology; Chemistry; Earth Science; English; Family and Consumer Sciences; Geography; History; Mathematics; Natural Science; Physical Education; Physics; Social Science*
- Social Work, Master of (MSW)
- Special Education (MSEd) *Options: Autism Spectrum Disorders; Blindness and Low Vision; Developmental Disabilities; Orientation and Mobility; Special Education Alternative Certification Track*
- Student Affairs in Higher Education (MS)
- Teacher Leadership (EdS)
- Teaching, Master of Arts in (MAT)
- Teaching and Learning, Master of Arts in (MATL)
- Visual Studies (see Fine Arts, Visual Studies)
- Writing (MA)

Accelerated graduate programs

The accelerated graduate programs provides a transition that enables undergraduate students to begin taking graduate course work as they complete the work for a bachelor's degree. Students must apply and be accepted to the accelerated graduate program before enrolling in any course that is to apply to both the undergraduate and graduate degrees (Mixed Credit). For more information, refer to the Undergraduate Students Taking Graduate Classes Policy.

- Accountancy (MAcc)
- Agriculture (MS)
- Applied Second Language Acquisition (MASLA)

- Audiology (AUD)
- Biology (MS)
- Business Administration (MBA)
- Cell and Molecular Biology (MS)
- Chemistry (MS)
- Child Life Studies (MS)
- Communication (MA)
- Communication Sciences and Disorders, Option in Education of Deaf and Hard of Hearing (MS)
- Computer Science (MS)
- Criminology and Criminal Justice (MS)
- Cybersecurity (MS)
- Early Childhood and Family Development (MS)
- Early Childhood Special Education (MSEd)
- Educational Technology (MSEd)
- Elementary Education (MSEd)
- Geography and Geology (MS)
- Global Studies (MGS)
- Health Administration (MHA)
- Health Promotion and Wellness Management (MS)
- History (MA)
- Interdisciplinary Studies (MS)
- Literacy (MSEd)
- Materials Science (MS)
- Mathematics (MS)
- Natural and Applied Science (MNAS)
- Plant Science (MS)
- Professional Studies, Master of (MPS)
- Project Management (MS)
- Public Administration (MPA)
- Public Health (MPH)
- Religious Studies (MA)
- Science Content (Certificate)
- Secondary Education/English (MSEd)
- Secondary Education/History (MSEd)
- Secondary Education/Mathematics (MSEd)
- Special Education, Option in Autism Spectrum Disorders (MSEd)
- Writing-Technical/Professional Writing Track (MA)

Graduate certificate programs

- Applied Communication
- Autism Spectrum Disorders
- Biomolecular Sciences
- Choral Studies
- Computer Information Systems
- Conflict and Dispute Resolution
- Countering Weapons of Mass Destruction
- Cybersecurity
- Data Analytics
- Data Science
- Defense and Strategic Studies
- Dietetic Internship
- Dyslexia
- Economic Development
- Education of the Deaf and Hard of Hearing
- Education of Gifted and Talented Students

- Educational Technology

- Elementary Curriculum and Instruction
- Elementary Mathematics Education
- Entrepreneurship
- Environmental Monitoring and Sampling
- Environmental STEM for Teachers
- Family and Consumer Sciences Education
- Finance
- Financial Analysis
- Foreign Language Teaching (non-certifiable)
- French
- Forensic Accounting
- Forensic Child Psychology
- Geospatial Information Sciences
- Health Administration
- Health Programming
- History for Teachers
- Homeland Security and Defense
- Hospitality Administration
- Individualized Studies
- International Business
- International Perspectives in K-12 Special Education
- Leadership
- Literacy
- Local Government Management
- Management
- Marketing
- Music Education
- Music Performance
- Nurse Educator
- Orientation and Mobility
- Perspectives about the American Higher Education System
- Petroleum Geology
- Planning and Development
- Play Therapy
- Population Health, Post-Master's
- Professional Studies
- Project Management
- Public Health Administration
- Public Health and Homeland Security
- Public Health Core
- Public Management
- Public Policy
- Public Safety
- Quantitative Enterprise Risk Management
- Ranch Management
- Registered Nurse First Assist
- Science Content
- Screenwriting for Television and Film
- Spanish
- Special Education Director
- Sports Management
- Statistics and Research Design
- Tax Accounting
- Teacher Leadership

- Teaching and Learning

- Teaching of Writing K-12
- Teaching English to Speakers of Other Languages
- Technical and Professional Writing

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Missouri State

Office of the Registrar
Undergraduate Catalog

Graduate College Courses

Graduate College (GRD) courses

GRD 796 Variable Topics in University Teaching for GAs and TAs

In-depth study of scholarly teaching and the scholarship of teaching and learning at the university level. Variable topics course. May be repeated up to 3 hours if topic varies.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

GEN 798, Active in Research

Students who have completed all course work and are only working on their research component may register for GEN 798, Active in Research. This course is offered at a flat-rate fee of $75 and allows the following: access to the library including online service such as interlibrary loans, MOBIUS, and restricted access databases; opportunity to purchase a parking permit; and access to computer services and Missouri State email. Course is for zero credit hour and is graded "P" (pass) or "W" (student discontinues participation in the course and is dropped from the course).

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Missouri State

Office of the Registrar
Undergraduate Catalog

Department of Library Science

Programs

Undergraduate

No undergraduate programs are offered.

Graduate

No graduate programs are offered.

General Information

Undergraduate and graduate courses are offered.

Contact

Dean

Thomas A. Peters, MS in LS, MA

Associate Dean

Rachel M. Besara, MS

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Missouri State

Office of the Registrar
Undergraduate Catalog

Library Science Faculty

Professors

Dea A. Borneman, MA in LS

Cheryl Jones, MLS

Marilyn McCroskey, MA, MS in LS

Thomas A. Peters, MS in LS, MA

Tracy L. Stout, MS

Associate professors

David L. Adams, MA in LS

Rachel M. Besara, MS

James A. Coombs, MA in LS, CAS

Crystal D. Dicke, MLIS

Grace M. Jackson-Brown, PhD

Joshua D. Lambert, MLS

Andrea L. Miller, MA in ISLT

Assistant professors

Anna M. Baker, MLS

Jessica L. Bennett, MA

Lindsey M. Taggart, MA

Raegan N. Wiechert, MA in ISLT

Emeritus faculty

Donald Andrew Beisswenger, PhD

Lynn S. Cline, MA, MS in LS

Edward De Long, MA, MLS

Charlotte Dugan, MA in LS, CAS

Betty S. Evans, MA in LS

C. Lynne Freeman, MS in LS

Willa J. Garrett, MA in LS

Walter H. Green, Jr., MM, MS in LS

Karen L. Horny, MA in LS

Neosha A. Mackey, MBA, MLS

Florence Maltby, MS in LS, CAS

Julian H. Pace, MLS

J. B. Petty, PhD

Vern Reeder, MS in LS

Byron Stewart, MA in LS

Tammy R. Stewart, MA in LS

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Missouri State

Library Science Courses

Library Science (LIS) courses

LIS 101 Introduction to Information Literacy

Introduction to basic strategies and skills related to locating, evaluating, and using print and digital information resources. Information technologies, determining information needs, types of information sources, searching for and retrieving information, evaluating information for relevancy and quality, properly documenting use of information, and applying information ethically. Face to face or blended formats.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

LIS 305 Service Learning in Library Science

Prerequisite: concurrent registration in an LIS course designated as a service learning offering.

This one-hour service component for an existing course incorporates community service with classroom instruction in library science education. It provides an integrated learning experience, addressing the practice of citizenship and promoting an awareness of and participation in public affairs. It includes 40 hours of service benefiting an external community organization, agency or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated. May be taught concurrently with LIS 618. Cannot receive credit for both LIS 305 and LIS 618.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

LIS 397 Special Topics

Selected topics in substantive areas of informatics and emerging technologies. Variable content course will take an interdisciplinary approach to emerging technologies and information management. May be repeated up to a total of 6 hours when topic changes.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

LIS 502 History of Books and Libraries

History of books and libraries from the earliest times to the present; influence and importance of the book and the library in society throughout history. May be taught concurrently with LIS 602. Cannot receive credit for both LIS 602 and LIS 502.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LIS 510 Curriculum and the School Library

Prerequisite: LIS 500.

Focuses on integrating the school library program and collections with curriculum; emphasizes diverse student learning styles; role of the school librarian as a teacher; use of electronic resources for research, teaching, and learning. May be taught concurrently with LIS 610. Cannot receive credit for both LIS 610 and LIS 510.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LIS 512 Reading Guidance for Young Adults

The study of reading interests and habits of high school age young adults. Methods of meeting the needs of different types of readers and stimulating reading interest through library collections and services. May be taught concurrently with LIS 612. Cannot receive credit for both LIS 612 and LIS 512.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LIS 530 Children's Librarianship: Birth through Age 9

Fundamentals of children's librarianship for both public librarians and school library media specialists, including collection development, programming, and current issues. May be taught concurrently with LIS 630. Cannot receive credit for both LIS 630 and LIS 530.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LIS 532 Library Resources and Services for Grades 4-8

An introduction to a broad selection of books, audiovisuals, and electronic resources for grades 4-8 and how these can be used to enrich the curriculum. Emphasis will be placed on integration of a variety of resources in both content area studies and "stand alone" information literacy instruction. May be taught concurrently with LIS 632. Cannot receive credit for both LIS 632 and LIS 532.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

3 **Credit hours**	3 **Lecture contact hours**	0 **Lab contact hours**	Upon demand **Typically offered**

LIS 534 Introduction to Storytelling

Introduction to the art of storytelling and development of skills in finding, preparing, and delivering stories to grades K-12; analysis and review of storytellers' resources; exploration of a wide variety of styles and methods of telling to facilitate the planning and presentation of storytelling programs in the school media center or classroom and include traditional storytelling across the curriculum. May be taught concurrently with LIS 634. Cannot receive credit for both LIS 634 and LIS 534.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Summer

LIS 596 Independent Study

Individual projects or study under the supervision of members of the library faculty. May be repeated to a total of 6 hours. May be taught concurrently with LIS 696. Cannot receive credit for both LIS 696 and LIS 596.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

LIS 598 Action Research in the School Library

Prerequisite: concurrent enrollment in LIS 599.

Survey of action research techniques designed to assess the integration of the school library into building-level curricula and its impact on student achievement. Students will design, conduct, and evaluate an action research project in a school library. May be taught concurrently with LIS 698. Cannot receive credit for both LIS 598 and LIS 698.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

LIS 599 Library Practicum

Supervised practical work experience in an appropriate library designed to cover all aspects of librarianship. Portfolio checkpoint number 3. May be taught concurrently with LIS 699. Cannot receive credit for both LIS 699 and LIS 599.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-3			Upon demand

LIS 602 History of Books and Libraries

History of books and libraries from the earliest times to the present; influence and importance of the book and the library in society throughout history. May be taught concurrently with LIS 502. Cannot receive credit for both LIS 502 and LIS 602.

Credit hours Credit hours	Lecture contact hours Lecture contact hours	Lab contact hours Lab contact hours	Typically offered Typically offered
3	3	0	Upon demand

LIS 610 Curriculum and the School Library

Focuses on integrating the school library program and collections with curriculum; emphasizes diverse student learning styles; role of the school librarian as a teacher; use of electronic resources for research, teaching, and learning. May be taught concurrently with LIS 510. Cannot receive credit for both LIS 510 and LIS 610.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LIS 612 Reading Guidance for Young Adults

The study of reading interests and habits of high school age young adults. Methods of meeting the needs of different types of readers and stimulating reading interest through library collections and services. May be taught concurrently with LIS 512. Cannot receive credit for both LIS 512 and LIS 612.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LIS 618 Service Learning in Library Science

Prerequisite: concurrent registration in an LIS course designated as a service learning offering.

This one-hour service component for an existing course incorporates community service with classroom instruction in library science education. It provides an integrated learning experience, addressing the practice of citizenship and promoting an awareness of and participation in public affairs. It includes 40 hours of service benefiting an external community organization, agency or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated. May be taught concurrently with LIS 305. Cannot receive credit for both LIS 618 and LIS 305.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Upon demand

LIS 620 Production and Application of Multimedia Materials in Library Media Centers

Recommended Prerequisite: LIS 610. Builds on concepts introduced in LIS 610. Builds on concepts introduced in LIS 510. Emphasis will be placed on multimedia project planning, instructional design, production techniques and processes as they relate specifically to the library media center program and its integration into the whole school curriculum to support teaching and learning activities. Includes web design,

video editing, evaluation and application of electronic resource for school libraries.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LIS 628 School Library Administration

Administration of K-12 libraries within school communities. Emphasizes program development, evaluation, planning cycle; budget process; services for diverse school constituencies. Examines effects of national, state and district guidelines, standards and policies on school library programs.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LIS 630 Children's Librarianship: Birth thru Age 9

Fundamentals of children's librarianship for both public librarians and school library media specialists, including collection development, programming, and current issues. May be taught concurrently with LIS 530. Cannot receive credit for both LIS 530 and LIS 630.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LIS 632 Library Resources and Services for Grades 4-8

An introduction to a broad selection of books, audiovisuals, and electronic resources for grades 4-8 and how these can be used to enrich the curriculum. Emphasis will be placed on integration of a variety of resources in both content area studies and "stand alone" information literacy instruction. May be taught concurrently with LIS 532. Cannot receive credit for both LIS 632 and LIS 632.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

LIS 634 Introduction to Storytelling

Introduction to the art of storytelling and development of skills in finding, preparing, and delivering stories to grades K-12; analysis and review of storytellers' resources; exploration of a wide variety of styles and methods of telling to facilitate the planning and presentation of storytelling programs in the school media center or classroom and include traditional storytelling across the curriculum.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Summer

LIS 696 Independent Study

Individual projects under the supervision of members of the library faculty. May be repeated to a total of 6 hours. May be taught concurrently with LIS 596. Cannot receive credit for both LIS 596 and LIS 696.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

LIS 697 Special Topics

Selected topics in substantive areas of librarianship such as automation, collection development and resource sharing, and the politics of librarianship. Offered when resources and demand allows. May be repeated to a total of 6 hours when topic changes. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

LIS 698 Action Research in the School Library

Prerequisite: concurrent enrollment in LIS 699.

Survey of action research techniques designed to assess the integration of the school library into building/level curricula and its impact on student achievement. Students will design, conduct, and evaluate an action research project in a school library. May be taught concurrently with LIS 598. Cannot receive credit for both LIS 698 and LIS 598.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Upon demand

LIS 699 Library Practicum

Prerequisite: permission of department head.

Supervised practical work experience in an appropriate library designed to cover all aspects of librarianship. Portfolio checkpoint number 3. May be taught concurrently with LIS 599. Cannot receive credit for both LIS 599 and LIS 699.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2-3			Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Honors College

Programs

Undergraduate

The Program

General information

The mission of the Missouri State University Honors College is to create an academic environment that is stimulating, challenging, and conducive to undergraduate learning and development. The Honors College fosters this environment by:

- Attracting exceptional students from Missouri, the U.S., and around the world who have a demonstrated record of intellectual curiosity and academic success;
- Matching students with outstanding faculty instructors in small course settings that foster collaboration, engagement, and discourse;
- Developing critical thinking skills through a rigorous program of multi and interdisciplinary instruction with an emphasis upon research and academic writing;
- Supporting the university's Public Affairs mission by complementing the classroom experience with academic and social programming that promotes leadership, service, and the life of the mind;
- Providing high levels of mentoring, advising, and development through individualized attention throughout a student's program of study;
- Preparing students for career success, graduate study, and competition for graduate and international research fellowships and awards.

Admission requirements

Full-time, degree-seeking undergraduate students are eligible for admission to the Honors College per the following policies:

A. Membership is offered by invitation to all first-time in college students who have an ACT composite score of 27 or higher (or an SAT composite score of 1220 or higher) and who have graduated in the top 10 percent of their high school class or have a high school grade point average (GPA) of 3.90 or higher. Students admitted to the Honors College will be assigned to either the General Honors Program or the Accelerated Honors Program, based upon college-level course work completed prior to entry:
   1. Students who enter the Honors College with fewer than 30 completed credit hours will be admitted to the General Honors Program
   2. Students who enter the Honors College with 30 or more completed credit hours will

Contact

Director

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Website

missouristate.edu/honors/

be admitted to the Accelerated Honors Program

B. Students who do not satisfy the automatic eligibility requirements may apply for admission to the Honors College after completing at least one semester at the University. Applicants must submit a completed application form, a statement of purpose, a writing sample, and a recommendation letter from an MSU faculty member. Applications for admission will be reviewed in January and July and qualified candidates will be offered admission on a space available basis. Students are encouraged to apply prior to their fourth semester at the University. Students admitted to the Honors College will be assigned to either the General Honors Program or the Accelerated Honors Program, based upon college-level course work completed prior to entry.
C. Transfer students may apply for admission to the Honors College following admission to the University. Applicants must submit a completed application form, a statement of purpose, a writing sample, and a recommendation letter from a faculty instructor. Applications for admission will be reviewed in January and July and qualified candidates will be offered admission on a space available basis. Students who have completed course work in honors programs/colleges may be able to apply previous honors course work towards Honors College requirements. Transfer students admitted to the Honors College will be assigned to the Accelerated Honors Program, unless they have completed fewer than 30 credit hours, in which case they will be assigned to the General Honors Program.
D. International students who did not receive a diploma from a United States high school may be admitted to the Honors College if they satisfy the following criteria:
    1. TOEFL IBT score of 100 or higher or IELTS score of 7.0 or higher; and
    2. Completion of at least one of the following options:
        a. ACT composite score of 27 or higher or SAT combined score of 1220 or higher;
        b. Successful completion of the International Baccalaureate Diploma;
        c. British A-Levels course work: C average or higher (two course minimum);
        d. British AS-Levels course work: C average or higher (four course minimum);
        e. French Baccalaureate: overall average of 10 or higher;
        f. Score of 100 or higher on the English portion of China's National College Entrance Exam;
        g. Completion of 12 or more hours at an American college/university with a 3.00 or higher GPA.

    Students who are exempt from completing the TOEFL or IELTS exams and/or who did not have the opportunity to enroll in the academic programs outlined in point two may contact the Director of the Honors College and request a formal review of their academic qualifications.

    International students who completed a diploma at a United States high school will be admitted under the guidelines outlined in Admissions Section A (see above).

The program

Students admitted to the Honors College will be assigned to either the General Honors Program or the Accelerated Honors Program, based upon college-level course work completed prior to entry.

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Missouri State

Honors College Courses

Honors College (UHC) courses

UHC 110 Freshman Honors Seminar

General Education Course (First-year Seminar).

This seminar will be on a topic of intellectual significance. The student will be required to use the library, research, and faculty resources available in the University. Satisfies the First-Year Foundations requirement in the Basic Required Courses of General Education. Open to Honors College members only. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall

UHC 300 Honors Service Learning

Prerequisite: 30 hours and concurrent registration in a course designated as a service learning offering; open to Honors College members only.

This service component for an existing course incorporates community service with classroom instruction to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the specific course topic and learning objectives; students should investigate possible placements through the Center for Citizenship and Service Learning prior to registration. Graded Pass/Not Pass only. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1			Fall, Spring, Summer

UHC 350 Honors Study Abroad

Prerequisite: permission; open to Honors College members only.

A variable content course with topics involving the interdisciplinary study of other cultures while living and studying in an international venue. Through history, language, literature, sociology and other disciplines the student will acquire a deeper understanding of another culture and of the American culture. When appropriate, this course may be cross-listed with other study abroad and international travel courses. May be repeated once with content change. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

UHC 396 Honors Independent Study

Prerequisite: permission; open to Honors College members only.

Students should consult with a faculty member of the department who specializes in the subject and with the faculty member's consent present a written proposal to the department head and the Honors College for final approval. Proposals should be presented for approval before final registration for the semester in which the independent study is to be done. Only one approved independent study program may be taken in any semester. When appropriate, this course may be cross-listed with independent study courses in other academic departments. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

UHC 397 Honors Colloquia

Prerequisite: 50 hours or permission; open to Honors College members only.

This course will explore in depth an interdisciplinary topic of intellectual significance related to the University's Public Affairs Mission. Emphasis is placed upon discussion and individual research projects. When appropriate, this course may be cross-listed with special topics courses in other academic departments. May be repeated once with content change. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

UHC 398 Honors Undergraduate Research

Prerequisite: permission; open to Honors College members only.

Allows students to gain research experience by working with an individual faculty member either as a research assistant or as a primary researcher working under faculty supervision. Students should consult with a faculty member of the department who specializes in the subject and with the faculty member's consent present a written proposal to the department head and the Honors College for final approval. Proposals should be presented for approval before final registration for the semester in which the research is to be done. Only one approved undergraduate research project may be taken in any semester. When appropriate, this course may be cross-listed with undergraduate research courses in other academic departments. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

UHC 399 Honors Internship/Apprenticeship

Prerequisite: permission of supervising instructor, the Honors College and the host institution; open to Honors College members only.

This course provides students with the opportunity to obtain practical and theoretical knowledge in a variety of career fields through the completion of a supervised internship experience. Students are expected to complete 45 hours of work with an approved organization and to complete corresponding academic reflection projects under the supervision of a departmental faculty member. Students should consult with a faculty member of the department who specializes in the subject and with the faculty member's consent present a written proposal to the department head and the Honors College for final approval. Proposals should be presented for approval before final registration for the

semester in which the internship is to be done. Only one approved internship may be taken in any semester. When appropriate, this course may be cross-listed with undergraduate internship courses in other academic departments. May be repeated.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

UHC 410 Senior Honors Seminar

This seminar will explore in depth a topic of intellectual significance that lends itself to exploration from a number of different disciplines. Variable content course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

UHC 499 Honors Distinction Project

Prerequisite: permission; open to Honors College members only.

The Honors Distinction Project is a creative capstone project prepared in accordance with the requirements for the Honors Distinction the Major program. Student will complete a significant intellectual project in the major under the supervision of a departmental faculty member. Students should consult with a faculty member of the department who specializes in the subject and with the faculty member's consent present a written proposal to the department head and the Honors College for final approval. Proposals should be presented for approval before final registration for the semester in which the Distinction Project is to be done. When appropriate, this course may be cross-listed with senior research project courses in other academic departments. May be repeated for a maximum of 8 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3-4			Upon demand

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Missouri State

The Program

Students admitted to the Honors College will be assigned to either the General Honors Program or the Accelerated Honors Program, based upon college-level course work completed prior to entry.

General Honors Program

The General Honors Program is designed for students who enter the Honors College with fewer than 30 completed credit hours. The program includes courses designed to facilitate completion of both general education and major requirements.

A. General Honors Core Curriculum (minimum 18 hours)
   1. UHC 110 *Freshman Honors Seminar* (2 hours);
   2. Three General Honors courses to be selected from a menu of Honors College offerings (9-15 hours);
   3. One Honors Experiential Learning Experience (1-3 hours)
      a. UHC 300 *Honors Service Learning*
      b. UHC 350 *Honors Study Abroad*
      c. UHC 396 *Honors Independent Study*
      d. UHC 398 *Honors Undergraduate Research*
      e. UHC 399 *Honors Internship/Apprenticeship*
   4. UHC 397 *Honors Colloquia* (3 hours)
   5. UHC 410 *Senior Honors Seminar* (3 hours)

   Students who complete all General Honors Core Curriculum requirements and earn a final institutional GPA of 3.25 or higher are eligible to graduate from the Honors College after they satisfy all other University degree requirements. Final transcripts and diplomas will include the notation "Bachelor of _____ (with possible grade point honors such as *cum laude, magna cum laude, summa cum laude*) in the Honors College."

B. Distinction in the Major Option (minimum 12 hours)

Students who complete the Core Curriculum have the opportunity to continue their honors studies and to earn Distinction in the Major by self-designing a rigorous program of course work culminating in a final distinction project. Students must complete a minimum of 12 hours of honors course work in their major, including a minimum of 3 hours of UHC 499 *Honors Distinction Project*. Students may propose appropriate combinations of the following courses:

1. UHC 396 *Honors Independent Study* (1-3 hours);
2. UHC 398 *Honors Undergraduate Research* (1-3 hours);
3. UHC 410 *Senior Honors Seminar* (3 hours);
4. UHC 499 *Honors Distinction Project* (3-4 hours)

*Students who have completed the General Honors Core Curriculum may double-count one section of UHC 396, UHC 398, or UHC 410 towards the Distinction in the Major requirements.

Students interested in earning Distinction in the Major must complete a course and project proposal under the guidance of a faculty member in their major department. The proposal must be approved by the Department Head for the major and by the Director of the Honors College before a student may register for honors course sections. Distinction proposals must be approved prior to the beginning of a student's senior year.

The Honors Distinction Project must be submitted to the Honors College on the final day of classes prior to a student's graduation.

Students who complete all General Honors Core Curriculum requirements, all Distinction in the Major requirements, and earn a final institutional GPA of 3.25 or higher are eligible to graduate from the Honors College after they satisfy all other University degree requirements. Final transcripts and diplomas will include the notation "Bachelor of _____ (with possible grade point honors such as *cum laude, magna cum laude, summa cum laude*) in the Honors College with Distinction in _____."

Accelerated Honors Program

The Accelerated Honors Program (minimum 19 credit hours) is designed for students who enter the Honors College with 30 or more completed credit hours. The program includes a primary emphasis upon the completion of major requirements and the production of a final distinction project in six or fewer semesters. Students must complete the following requirements:

A. Completion of one of the following Honors elements
   1. All first-time in college students, regardless of class standing, must complete UHC 110 *Freshman Honors Seminar* (2 hours). This course satisfies the University's First-Year Foundations General Education requirement and must be completed during the first semester of study;
   2. Transfer students and MSU students admitted to the Honors College after completing GEP 101 *First-Year Foundations* must complete one General Honors course or one Honors Experiential Learning course of their choice (see General Honors Program Section A above).
B. UHC 397 *Honors Colloquia* (3 hours);
C. UHC 410 *Senior Honors Seminar* (3 hours);
D. Students must complete a minimum of 12 hours of honors course work in their major, including a minimum of 3 hours of UHC 499 *Honors Distinction Project*. Students may propose appropriate combinations of the following courses:
   1. UHC 396 *Honors Independent Study* (1-3 hours);
   2. UHC 398 *Honors Undergraduate Research* (1-3 hours);
   3. UHC 499 *Honors Distinction Project* (3-4 hours)

   Students must complete a course and distinction project proposal under the guidance of a faculty member in their major department. The proposal must be approved by the Department Head for the major and by the Director of the Honors College before a student may register for honors course sections. Distinction proposals must be approved prior to the beginning of a student's senior year.

   The Honors Distinction Project must be submitted to the Honors College on the final day of classes prior to a student's graduation.

Students who complete all Accelerated Honors Program requirements and earn a final institutional GPA of 3.25 or higher are eligible to graduate from the Honors College after they satisfy all other University degree requirements. Final transcripts and diplomas will include the notation "Bachelor of _____ (with possible grade point honors such as *cum laude, magna cum laude, summa cum laude*) in the Honors College with Distinction in _____."

Additional Requirements and Regulations

A. In order to remain in good standing in the program, a student must maintain a 3.25 cumulative institutional GPA or higher and enroll in 12 or more credit hours per semester. Members should normally carry no more than two honors classes in any one semester and must take at least one honors class each semester until they have completed the General Honors Core Curriculum. Students who complete the General Honors Core Curriculum maintain good standing in the program by maintaining a 3.25 cumulative institutional GPA.
B. The Director of the Honors College will review the academic progress of all students at the end of each semester. Students who do not achieve the required 3.25 cumulative institutional GPA will be given one semester to achieve that level, provided it is mathematically possible. Students who cannot achieve a 3.25 cumulative institutional GPA or who fail to reach a 3.25 for two consecutive semesters will be ineligible to continue in the program. Students who are removed from the program may apply for readmission after one semester if their academic performance satisfies program requirements. Students who are removed from the program a second time are not eligible for readmission.
C. Advanced Placement, CLEP, Dual Credit, and International Baccalaureate credits are available in some departments of the University. These credits and courses will not carry honors designations or satisfy Honors College program requirements.
D. Honors courses may not be taken on a Pass/Not Pass or Audit basis.
E. In certain departments it may not be practical to offer a separate honors section or honors course due to low student demand. In such cases an Honors Component of one credit hour can be added to a regular course or section to recognize honors work. Students should

consult with a professor of the department who specializes in the subject and with the professor's consent present a written proposal to the department head and the Honors College for final approval. Proposals should be presented for approval before final registration for the term in which the component is to be done. Only one approved Honors Component may be taken in any semester.

F. Students who are not members of the Honors College may be allowed to enroll in honors courses on a space available basis provided they have both a 3.50 cumulative GPA and permission of the Director of the Honors College.

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Missouri State

Interdisciplinary Studies

Programs

Includes accelerated master's option

Undergraduate

Bachelor of General Studies (BGS)

Individualized Major (BA, BS)

General Information

The Bachelor of General Studies degree is an interdisciplinary degree program designed for students with broad interest and capabilities rather than a focused area of specialization.

The individualized major is intended for students with a clear sense of direction, motivation and strong concept of an educational program that will best serve the individual's needs. This major shall be described individually, specifying the area(s) of emphasis.

Contact

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Missouri State

Interdisciplinary Studies Courses

Interdisciplinary Studies (IDS) courses

IDS 101 Interdisciplinary Seminar

Variable content, variable credit course that is offered to the participants of Missouri State University summer academies and others that host interdisciplinary seminars as part of their program/institution.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-3			Upon demand

IDS 118 Enhancing Learning Techniques for College and Life

Designed for any student who wishes to develop stronger study and learning techniques such as note taking, test taking and preparation, time management, text study, memory and concentration. Cannot be used to satisfy any General Education Program requirement or any major or minor requirement. Cannot receive credit for both IDS 118 and RDG 107.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	1	0	Fall, Spring

IDS 120 Exploring Majors and Careers

Designed to assist students in learning the process for making meaningful academic and career choices that are aligned with their unique strengths, interests, values, and personality. Students will participate in self-assessments, major and career exploration, and decision-making activities.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

IDS 250 Special Topics: International Travel Course

A variable content course with topics involving a foreign travel component. Course offerings represent selected and interdisciplinary subjects. Some courses under this designation may be interdepartmental and team-taught. May be repeated as the topics change.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

IDS 275 Resident Assistant Seminar

Designed to facilitate new Resident Assistants in developing the skills necessary to work with students living in the residence halls.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Fall, Spring

IDS 280 Student/Life Leadership

The course will focus upon the study and practical application of student and student organization leadership skills and the knowledge of campus and community resources. Students will become actively involved in leadership as they participate in individual and group learning experiences.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1	0	2	Spring

IDS 297 International Culture and Study Abroad

General Education Course (Focus on Cultural Competence).

An interdisciplinary study of other cultures while living and studying in an international venue. Through history, language, literature, sociology and other disciplines the student will acquire a deeper understanding of another culture and of the American culture.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Upon demand

IDS 310 Leadership Seminar

Designed for the study and practical application of leadership skills that will benefit student leaders working with a variety of campus programs and students. May be repeated to a total of 6 hours.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-2			Upon demand

IDS 320 Job Search Preparation and Career/Life Planning

Assists students who have selected an academic major and who are beginning internship, part-time, or full-time job searches, or who are making decisions on graduate and professional school. The course is designed to help students in developing a career plan and investigating the work world in terms of the students' career/life goals. Students will learn the dynamics of decision-making, the importance of gaining experience in their field of interest, and job search skills. They will engage in career research, resume writing, interviewing, networking and other career development practices. Quantity of course content supports need for 2 hour/week format.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
2	2	0	Fall, Spring

IDS 350 British Life and Culture

Through a historical and topical format students will study the interdisciplinary aspects of Great Britain. Lectures will be enhanced through British lecturers and field trips illustrative of the lectures. Missouri-London Program only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	2	2	Fall, Spring

IDS 397 International Culture and Study Abroad

An interdisciplinary study of other cultures while living and studying in an international venue. Through history, language, literature, sociology and other disciplines the student will acquire a deeper understanding of another culture and of the American culture. May be repeated once with content change. Variable Content Course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring, Summer

IDS 499 Senior Integrating Experience

Prerequisite: permission of Associate Provost for Student Development and Public Affairs.

This course provides a structure for assessing individualized majors. Students will be advised of the need to include a senior integrating experience in their individualized major program. The student's Faculty Advisory Committee must approve the proposed experience during the individualized major hearing. One or more of the committee members will oversee the experience, and will provide verification of its satisfactory completion to the Associate Provost for Student Development and Public Affairs . The student will then receive a passing grade for the course. Graded Pass/Not Pass only.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
0	0	0	Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Bachelor of General Studies

Major(s)

Bachelor of General Studies

The Bachelor of General Studies degree (BGS) is an interdisciplinary degree that requires completion of coursework in two or three departments in place of one major or a major with a minor. No mention of the department areas is included on the transcript or diploma, but a degree plan and graduation check will verify that all the specific requirements have been met.

Procedure for Seeking Candidacy

The BGS degree is by definition appropriate for those who through several years of interdisciplinary and focused study have learned that their interests are not well served within a single academic major. For this reason, the degree is not an available option for freshmen or sophomore students. Admission to the BGS program requires at least 75 hours of college credit including transfer and dual credit hours.

Both former and current students who wish to pursue this degree must identify a faculty or professional staff advocate who is willing to endorse their entrance into the degree program. In most instances, this advocate should come from one of the departments that will be a part of the degree plan. This advocate may also serve as an advising resource for the student. Additional advising resources will be available through the Associate Provost for Student Development and Public Affairs.

All applicants for the BGS degree program must submit a written essay to the Associate Provost for Student Development and Public Affairs which summarizes the students' educational background and explains how the degree program would be personally beneficial in ways that a traditional BA or BS degree program would not. A subcommittee of the Council on General Education and Intercollegiate Programs serves as the BGS Admissions Committee to review and act on the application materials.

Program Requirements

The candidate for this degree must meet the following requirements:

A. General Education requirements (45-49 hours) - see General Education Program and Requirements section of catalog
B. Significant coursework from two or three specific departments (minimum 45 hours)
    1. If three departments, a minimum of 15 hours from each.
    2. If two departments, a minimum of 21 hours each plus 3 additional hours in one of the departments to reach the 45 hour minimum.
    3. At least 18 of these hours must be upper division.
    4. At least 9 of these hours must be 400 level or above.
    5. The Public Affairs Capstone requirement of one of the specific departments
    6. A grade of C or better in all courses used in the BGS areas of emphasis
C. Additional hours to bring the upper division total to at least 40
D. Additional electives to bring the total hours to at least 120
E. All General Baccalaureate Degree requirements except those applying to majors and options and multiple degrees and/or multiple majors - see General Baccalaureate Degree requirements section of catalog

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Missouri State

Office of the Registrar
Undergraduate Catalog

Individualized Major

Procedures for seeking candidacy

1. Complete GEP 101 (or UHC 110 for Honors College students) in the first semester. Students are strongly encouraged to complete COM 115, ENG 110, and a Quantitative Literacy course within their first 30 hours.
2. Apply through the Academic Advisement Center, University Hall, room 109, for admission to an individualized major.
   a. The student shall submit a written statement of intention, aims and background, and transcripts of prior work (minimum 2.00 grade point average required). In some cases, a personal interview or supporting information (such as faculty recommendations) may be required.
   b. A student accepted to pursue an individualized major is assigned, by the Academic Advisement Center, three faculty advisors from departments in which the student will work. No two faculty members shall represent the same department. These faculty members shall comprise the student's advisory committee. The student shall designate one member as the major advisor.
   c. It shall be the responsibility of this advisory committee to approve the student's degree program. It is also the responsibility of this committee to evaluate the student's transcript and determine the number of credit hours previously earned which will be applied toward the hours required for this major. The approved program, including a recommended title, shall be submitted to the Academic Advisement Center for final approval
3. A minimum of 25 credit hours must be completed after the advisory committee has approved the degree program.
4. All agreements shall be filed as a part of the student's degree program. Any alteration of the degree program must be approved by the advisory committee.

Individualized Major (Comprehensive)

Bachelor of Arts

Program Requirements

A. General Education Requirements - see General Education Program and Requirements section of catalog
B. Major of not less than 45 hours with not less than 15 hours of upper division credit. The approved program must include a Public Affairs Capstone Experience (minimum of 3 hours) that will be approved by the faculty advisory committee.
C. Senior Project: IDS 499(0)
D. Specific Requirements for Bachelor of Arts degree - see Specific Bachelor of Arts Degree Requirements section of catalog
E. General Baccalaureate Degree Requirements - see General Baccalaureate Degree Requirements section of catalog

Individualized Major (Comprehensive)

Bachelor of Science

Program Requirements

A. General Education Requirements - see General Education Program and Requirements section of catalog
B. Major of not less than 45 hours with not less than 15 hours of upper division credit. The approved program must include a Public Affairs Capstone Experience (minimum of 3 hours) that will be approved by the faculty advisory committee.
C. Senior Project: IDS 499(0)
D. General Baccalaureate Degree Requirements - see General Baccalaureate Degree Requirements section of catalog

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Missouri State

Office of the Registrar
Undergraduate Catalog

Global Studies Program

Programs

Includes accelerated master's option

Undergraduate

Global Studies (BA)

General information

Global Studies can broadly be defined as the study of global issues (i.e., population growth, poverty, diseases, environmental degradation, conflicts) and trends such as globalization and interdependence in their economic, political cultural and social dimensions, area studies, and the acquisition of foreign languages skills. As such, students pursuing a major in Global Studies and, for example, a minor in Area Studies, will become familiar with these issues, trends, and areas, and strive to acquire a high level of proficiency in a foreign language. More broadly, it means understanding the increasingly global nature of every aspect of life and how this affects the local environment in the United States as well as in other countries.

Contact

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Honors College

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Missouri State

Global Studies Courses

Global Studies (GBL) courses

GBL 250 Introduction to Global Studies and Globalization

Provides students with the basic elements of global studies in order to make them educated persons who have a global awareness; and familiarizes them with the various trends or dimensions of globalization by focusing on geographic, cultural, political, and economic aspects of globalization.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
3	3	0	Fall, Spring

GBL 499 Internship

Prerequisite: permission of Global Studies Coordinator.

A focused course that students can combine with other classes in order to pursue a special interest within their major. May be repeated to a maximum of 6 hours. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Credit hours	Lecture contact hours	Lab contact hours	Typically offered
1-6			Upon demand

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Missouri State

Office of the Registrar
Undergraduate Catalog

Global Studies

Major(s)

Global Studies (Non-Comprehensive)

Bachelor of Arts

A. General Education Program and Requirements
B. Major Requirements (48-54 hours)
   1. GBL 250(3)
   2. Complete four of the following courses: ANT 100(3); ECO 155(3); GRY 100(3); PLS 232(3), REL 210(3); SOC 150(3)
   3. Complete 15 hours in one of the following focus areas, with courses with at least four different course codes:
      a. Language and Culture: ANT 303(3), 306(3), 320(3), 380(3), 490(3)*, 511(3); COM 360(3), 512(3); ENG 283(3); GRY 320(3), 470(2); GST 400(3); IDS 397(3)*; MCL 200(3), MCL 550(3)*; MUS 239(3); PHI 115(3), 342(3); REL 370(3)
      b. Business and Economics: AGB 514(3); AGR 100(3); ECO 346(3), 456(3), 565(3); FIN 582(3); GRY 321(3), 429(3), 470(2); GST 400(3); HST 340(3); IDS 397(3)*; MCL 550(3)*; MGT 447(3); MKT 474(3); PHI 342(3); REL 370(3)
      c. Politics, Society and Environmental Issues: CRM 420(3); ECO 540(3); GRY 108(3), 316(3), 322(3), 323(3), 351(3), 470(2), 535(3); GST 400(3); IDS 397(3)*; MCL 550(3)*; PHI 302(3), 342(3); PLS 205(3), 232(3), 333(3), 437(3), 535(3), 546(3), 555(3), 561(3), 565(3); REL 370(3); SOC 305(3), 336(3)
      When applicable
   4. Complete 15 hours in Regional Studies with at least one course in each of the following five regions. The following courses may apply to various regions depending upon course content: ANT 330, ECO 397, ENG 362, GRY 305 or PLS 338.
      a. Africa: ANT 332(3); ART 273(3)*, 386(3), 488(3)**; ENG 363(3); GRY 507(3); HST 323(3), 335(3); PLS 550(3)
      b. Asia: ANT 334(3); ART 274(3), 374(3); ECO 345(3); HST 381(3), 571(3); LLT 215(3); MUS 372(1)***; PHI 314(3); PLS 545(3); REL 355(3), 357(3), 360(3)
      c. Europe: ART 272(3); ENG 361(3); HST 350(3), 353(3), 355(3), 361(3), 559(3); LLT 225(3); PLS 343(3), 547(3); REL 340(3)
      d. Latin America and Caribbean: ANT 331(3); ART 273(3)*, 385(3), 485(3); HST 350(3), 587(3), 588(3); PLS 548(3)
      e. Middle East: ANT 335(3); ART 382(3); HST 370(3), 371(3), 543(3); PLS 544(3); REL 330(3), 350(3)
      *ART 273 may satisfy only one requirement in the major, either Africa or Latin America/Caribbean region.
      **ART 488 may satisfy this requirement if focus is on Africa.
      ***MUS 372 may satisfy this requirement if ensemble is in Chinese Music.
   5. Complete six hours beyond the 12-hour Bachelor of Arts foreign language requirement, for a total of 18 hours in one modern foreign language: Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Portuguese, Russian, or Spanish. Other modern languages may be accepted upon the recommendation of the Head of the Modern and Classical Language department. The language requirement and language courses may partially or fully be fulfilled with courses taken as part of study-away programs or at another American university or college. Students also have the opportunity to acquire proficiency certificates reflecting their level of foreign language competency and, according to their level, will be able to test out of part or all foreign language requirements.
   6. Public Affairs Capstone Experience requirement: Complete GBL 499 Internship or an approved Study Away for 3 hours.
C. Minor Required (or second major). Note: No more than nine hours may count toward both the major and a minor.
D. Double Majors: Students wishing to pursue the Global Studies major and another major (no minor required) may only count up to nine hours in both majors.
E. Specific Bachelor of Arts Degree Requirements
F. General Baccalaureate Degree Requirements

Accelerated graduate program in Global Studies

Eligible Missouri State undergraduate students may apply for admission to the Master of Global Studies program and begin taking graduate course work as they complete the work for a bachelor's degree. A maximum of 12 hours of graduate credit may be counted toward both the undergraduate and graduate degree (Mixed Credit). Refer to the Graduate Catalog for specific admission requirements.

Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

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