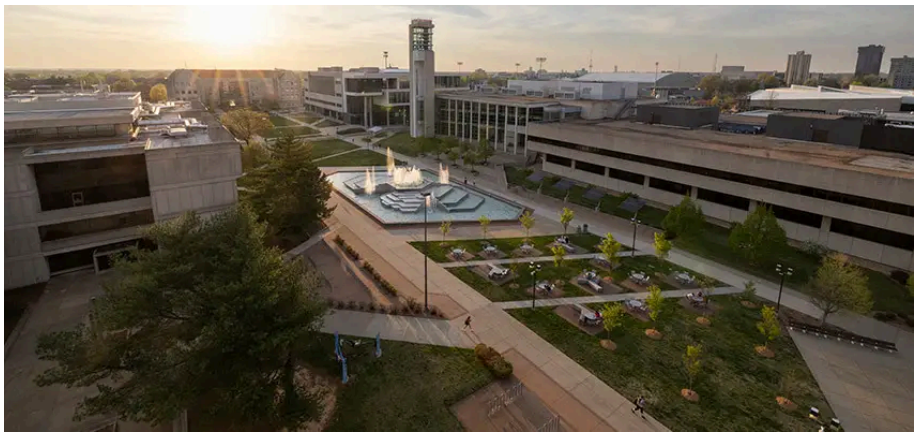
Missouri State University Catalogs



The Missouri State University Undergraduate and Graduate Catalogs (hereby referred to as the “Catalogs”) are the official source of information regarding the University’s academic programs and courses. The catalogs serve as a guide, in conjunction with regular academic advising and a student’s degree audit, in planning a course of study and in meeting requirements for graduation.

The catalogs are published annually in the Spring for the following academic year, which begins in the Fall. Although course offerings and academic requirements at Missouri State University are continually under examination and revision, the catalogs are updated only once per year. This annual revision procedure helps ensure that users of the catalogs will not find unexpected changes during their academic planning processes.

The Missouri State Undergraduate and Graduate catalogs are not irrevocable contracts. Information published in them is subject to change by the University at any time without notice.

Publication Schedule

The Missouri State University curriculum year begins in August and ends in May, with curricular updates generally fully implemented prior to the beginning of the fall semester. New programs will not be listed in the catalogs until full state and accreditation approvals are complete. The catalogs will only have one publication, but content updates will be made until all curricular approvals are fully implemented for the curriculum year.

The 2024-2025 catalogs now reflect all curricular updates. Faculty tenure/promotion and per course faculty listings will be updated prior to October 1st. Otherwise, the publication of both the undergraduate and graduate catalogs is complete for the 24-25 catalog year.

Catalog Year Requirements

The requirements specified in the catalogs apply to students who commence their studies at Missouri State University during that academic year and who remain in continuous enrollment (no enrollment interruption longer than 12 consecutive months) at the institution until they graduate. If requirements for a major, minor, program, or certificate are changed in the catalog, students remain by default under the old requirements. However, students may elect to follow these new requirements by requesting a change to

their catalog year. Students unsure of which catalog to use should consult with their advisor.

What's New This Year?

New/Delete/Changed programs not yet fully approved by the state and/or accreditation will not appear in the catalogs until receipt of that approval.

Curriculum appearing for the first time in this catalog includes:

Academic Areas:

- The department of Geography, Geology, and Planning has been renamed as the School of Earth, Environment & Sustainability.
- The departments of Merchandising and Fashion Design & Technology and Construction Management have merged to create the School of Construction, Design and Project Management.
- The college of McQueary Health and Human Services has added two new schools, School of Health Care Professions and School of Health Sciences.

New Undergraduate Majors

- Esports-BS (non-comprehensive)
- Career and Technical Education-BSED (comprehensive)
- Data Science-BS (non-comprehensive)

New Graduate Degree:

- Business Administration-MBA - STEM

Significant Program Updates:

- Merchandising and Fashion Product Development-BS (comprehensive) title changed to: Digital Fashion and Merchandising
- Recreation, Sport, and Park Administration-BS (comprehensive) title changed to: Sport and Recreation Administration
- Exercise and Movement Science-BS title changed to: Exercise Science (comprehensive)
- Master of Science in Nursing deleted options Nurse Educator and Population Leadership and added options Adult Gerontology-Acute Care, Practice Leadership, and Psychiatric-Mental Health Practitioner; Family Nurse Practitioner option remains
- Doctor of Nursing Practice deleted options Nurse Educator and Population Health, added Adult Gerontology-Acute Care, Practice Leadership, and Psychiatric Mental Health options; Family Nurse Practitioner option remains; Post-Master's renamed to Leadership

Discontinued Programs:

- Economics-BS (non-comprehensive)
- Recreation, Sport, and Park Administration-BS (non-comprehensive)

Course Code Updates:

- FCS changed to CTE
- MCL changed to LCR
- MFD changed to DFM
- REC changed to SPR
- New course code: TOU (Tourism)
- New course code: SAG (Sociology, Anthropology and Gerontology)

This list is not a comprehensive inventory of all curriculum updates for 2024-2025. For questions regarding specific updates, search the full catalogs prior to contacting the appropriate academic area.

Missouri State | OFFICE of THE REGISTRAR

2024-2025 Undergraduate Catalog



Catalog Year Requirements

The requirements specified in the Catalogs apply to students who commence their studies at Missouri State University during that academic year and who remain in continuous enrollment (no enrollment interruption longer than 12 consecutive months) at the institution until they graduate. If requirements for a major, minor, program, or certificate are changed in the Catalog, students remain by default under the old requirements. However, students may elect to follow these new requirements by requesting a change to their catalog year. Students unsure of which catalog to use should consult with their advisor.

Catalog Icon Guide

Adds bookmark links to My Catalog, located at the bottom of the left navigation.

Generates a pop-up window formatted to neatly print the webpage being currently viewed.

Includes additional information about how to use this Acalog catalog.

Catalog Contact Information

Students needing assistance with academic information and planning should consult their academic advisor.

Students needing assistance with registration or academic records may contact registrar@missouristate.edu.

Faculty, academic area administrators and staff should email curriculum@missouristate.edu for questions or concerns about catalog information and curriculum.

Colleges & Academic Units

Missouri State University

College of Business

Academic Units

Business Unit

- School of Accountancy
- Department of Finance, Economics and Risk Management
- 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-International

Non-Business Units

- School of Construction, Design and Project Management
- Bachelor of Arts in Economics program-Department of Finance, Economics and Risk Management

Accreditations outside the Business Unit

- American Council for Construction Education
- Project Management Institute Global Accreditation Center

Contact

Dean

David B. Meinert, PhD

Associate Deans

Kent P. Ragan, PhD, CFA

Office

Glass Hall, Room 400

Phone

417-836-5646

Email

COB@MissouriState.edu

Website

Business.MissouriState.edu

Business Advisement Center

School of Accountancy

Accreditation

AACSB-International - The Association to Advance Collegiate Schools of Business-International

Contact

School Director

Kimberly S. Church, Phd

Office

Glass Hall, Room 439

Phone

417-836-5414

Email

Accountancy@MissouriState.edu

Website

MissouriState.edu/SOA

School of Construction, Design and Project Management

Accreditations

- ABET Engineering Technology Accreditation Commission - Mechanical Engineering Technology (BS)
- American Council for Construction Education - Construction Management (BS)
- National Association of Schools of Art and Design - Interior Design (BS)
- Project Management Institute-Global Accreditation Center for Project Management Education Programs - Project Management (MS)

Contact

School Director

Richard J. Gebken, PhD

Office

Glass Hall, Room 200

Phone

417-836-5121

Email

TCM@MissouriState.edu

Website

Build.MissouriState.edu

Department of Finance, Economics and Risk Management

Accreditation

AACSB-International - The Association to Advance Collegiate Schools of Business-International

Contact

Department Head

Jeffrey S. Jones, PhD, CFA, CPA, CMA, CFM

Office

Glass Hall, Room 300

Phone

417-836-5504

Email

FERM@MissouriState.edu

Website

MissouriState.edu/FERM

Department of Information Technology and Cybersecurity

Accreditation

AACSB-International - The Association to Advance Collegiate Schools of Business-International

Contact

Department Head

Xiang Guo, PhD

Office

Glass Hall, Room 359

Phone

417-836-4131

Email

ITC@MissouriState.edu

Website

ITC.MissouriState.edu

Department of Management

Accreditation

AACSB-International - The Association to Advance Collegiate Schools of Business-International

Contact

Department Head

Luis A. Perez Batres, PhD

Office

Glass Hall, Room 414

Phone

417-836-5415

Email

Management@MissouriState.edu

Website

MGT.MissouriState.edu

Department of Marketing

Accreditation

AACSB-International - The Association to Advance Collegiate Schools of Business-International

Contact

Department Head

Ismet Anitsal, PhD

Office

Glass Hall, Room 238

Phone

417-836-5413

Email

Marketing@MissouriState.edu

Website

MissouriState.edu/MKT

College of Education

Academic Units

Schools

- School of Special Education, Leadership and Professional Studies
- School of Teaching, Learning and Developmental Sciences
- Greenwood Laboratory School (non-degree granting)

Centers/Departments

- Secondary Education
- Center for Rural Education
- Child Development Center (non-degree granting)

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

- Early Childhood Education (Birth-grade 3)
- Elementary Education (1-6)
- Middle School (5-9):

    - Language Arts
    - Social Studies
    - Mathematics
    - Science
- Additional Middle School endorsements can be added in:
    - Agriculture*
    - Drama*
    - Speech*

Communication Sciences and Disorders

- Speech/Language Specialist (K-12)
- Deaf/Hearing Impaired (Birth-grade 12)

Counseling, Leadership, and Special Education

- Special Education:
    - Mild/Moderate: Cross Categorical (K-12)
    - Blind and Partially Sighted (Birth-grade 12)

Secondary Education (9-12 and K-12)

- Agriculture (9-12)
- Art (K-12)
- Business Education (9-12)
- English (9-12)
    - English Language Learners (K-12)*
- Family and Consumer Sciences (K-12)
- History (Social Science) (9-12)
- Language, Modern (K-12)
    - Chinese
    - French
    - German
    - Japanese
    - Latin
    - Spanish
- 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 state of Missouri teacher certification should contact the Office of Professional Education Certification. Learn more: Professional Education Certification

Contact

Dean

Barri E. Tinkler, PhD

Associate Dean

Denise D. Cunningham, PhD

Office

Hill Hall, Room 230

Phone

417-836-5254

Email

CollegeOfEducation@MissouriState.edu

Website

Education.MissouriState.edu

Education.MissouriState.edu/Advise

School of Special Education, Leadership and Professional Studies

Accreditations

- Educational Administration (MSEd, EdS); Special Education/Cross Categorical (BSEd); Special Education (MSEd)
- Educational Administration (MSEd, EdS); Special Education/Cross Categorical (BSEd); Special Education (MSEd)
- Council on Education of the Deaf - Special Education option in Education of Deaf and Hard of Hearing (MSEd)

Contact

School Director

Marjorie C. Shavers, PhD

Office

Hill Hall 317

Phone

417-836-6769

Email

SELPS@missouristate.edu

Website

Education.MissouriState.edu/SELPS

School of Teaching, Learning and Developmental Sciences

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

School Director

Denise D. Cunningham, PhD

Office

Hill Hall, Room 312

Phone

417-836-3262

Email

STLDS@MissouriState.edu

Website

Education.MissouriState.edu/TLDS

Greenwood Laboratory School

Contact

Director

Ronald E. Snodgrass, EdD

Office

Greenwood Laboratory School, Room 4

Phone

417-836-5124

Email

Greenwood@MissouriState.edu

Website

Greenwood.MissouriState.edu

College of Natural and Applied Sciences

Academic Units

Schools

- School of Earth, Environment and Sustainability

Departments

- Department of Biology
- Department of Chemistry and Biochemistry
- Department of Computer Science
- Department of Mathematics

- Department of Physics, Astronomy and Materials Science

Program

- Cooperative Engineering Program (Missouri University Science and Technology)

Centers/Departments

- Baker Observatory
- Bull Shoals Field Station
- Center for Resource Planning and Management
- Ozarks Environmental and Water Resources Institute

Contact

Dean

Tamera S. Jahnke, PhD

Associate Dean

Jorge L. Rebaza-Vasquez, PhD

Office

Roy Blunt Hall, Room 142

Phone

417-836-5249

Email

CNAS@MissouriState.edu

Website

CNAS.MissouriState.edu

School of Earth, Environment and Sustainability

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

School Director

Toby J. Dogwiler, PhD

Office

Roy Blunt Hall, Room 354

Phone

417-836-5800

Email

SEES@MissouriState.edu

Website

Geosciences.MissouriState.edu

Department of Biology

Accreditations

- Missouri Department of Elementary and Secondary Education - Secondary Education/Biology (MSEd)
- Council for the Accreditation of Educator Preparation - Secondary Education/Biology (MSEd)

Contact

Department Head

Kyoungtae Kim, PhD

Office

Roy Blunt Hall, Room 258

Phone

417-836-5126

Email

Biology@MissouriState.edu

Website

Biology.MissouriState.edu

Department of Chemistry and Biochemistry

Accreditations

- Missouri Department of Elementary and Secondary Education - Secondary Education/Chemistry (MSEd)
- Council for the Accreditation of Educator Preparation - Secondary Education/Chemistry (MSEd)

American Chemical Society Certification

The Department of Chemistry and Biochemistry department received approval from the American Chemical Society (ACS) Committee on Professional Training in 1974 and continues to maintain this certification.

Contact

Department Head

Adam Wanekaya, PhD

Office

Roy Blunt Hall, Room 423

Phone

417-836-5506

Email

Chemistry@MissouriState.edu

Website

Chemistry.MissouriState.edu

Department of Computer Science

Accreditation

The BS in Computer Science-Computer Science option is accredited by the Computing Accreditation Commission of ABET. Learn more: abet.org

Contact

Department Head

Ajay K. Katangur, PhD

Office

Cheek Hall, Room 203C

Phone

417-836-4157

Email

ComputerScience@MissouriState.edu

Website

ComputerScience.MissouriState.edu

Department of Mathematics

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)

Contact

Department Head

William O. Bray, PhD

Office

Cheek Hall, Room 10M

Phone

417-836-5112

Email

Mathematics@MissouriState.edu

Website

Math.MissouriState.edu

Department of Physics, Astronomy and Materials Science

Accreditations

- Missouri Department of Elementary and Secondary Education - Secondary Education/Physics (MSEd)
- Council for the Accreditation of Educator Preparation - Secondary Education/Physics (MSEd)

Contact

Department Head

Robert A. Mayanovic, PhD

Office

Kemper Hall, Room 101

Phone

417-836-5131

Email

Physics@MissouriState.edu

Website

Physics.MissouriState.edu

Reynolds College of Arts, Social Sciences and Humanities

Academic Units

Schools

School of the Arts (Department of Art and Design, Department of Music, Department of Theatre and Dance)

School of Communication (Department of English, Department of Communication, Media, Journalism and Film)

School of Criminology and Criminal Justice

School of Defense and Strategic Studies (Department of Military Science)

School of Humanities and Social Sciences (Department of History, Department of Languages, Cultures and Religions, Department of Political Science and Philosophy, Department of Sociology, Anthropology, and Gerontology)

Contact

Dean

Shawn T. Wahl, PhD

Associate Deans

Jason R. Jolley, PhD
D. Jake Simmons, PhD

Office

Craig Hall, Room 106 and Strong Hall, Room 251

Phone

417-836-5247

Email

ReynoldsCollege@MissouriState.edu

Website

https://rcash.missouristate.edu/default.htm

School of Criminology and Criminal Justice

Contact

Director

Brett E. Garland, PhD

Office

Strong Hall, Room 231

Phone

417-836-3799

Email

Criminology@MissouriState.edu

Website

Criminology.MissouriState.edu

Department of Art and Design

The Department of Art and Design is an academic department within the School of the Arts.

Accreditations

- Council for the Accreditation of Educator Preparation - Art Education (BSEd)
- Missouri Department of Elementary and Secondary Education - Art Education (BSEd)
- National Association of Schools of Art and Design - Art (BFA), Art Education (BSEd), Design (BFA), Electronic Arts (BS), Visual Arts and Culture (BA), Master of Art Education (MAE), Visual Studies (MFA)

Contact

Department Head

Vonda K. Yarberry, MFA

Office

Brick City (building 1), 327 W. Mill St., Suite 100

Phone

417-837-2330

Email

ArtandDesign@MissouriState.edu

Website

Art.MissouriState.edu

Department of Communication, Media, Journalism and Film

The Department of Communication, Media, Journalism and Film is an academic department within the School of Communication.

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)

The Center for Dispute Resolution

The Center for Dispute Resolution (CDR) is an organization located in the Department of Communication, Media, Journalism and Film and the Reynolds College of Arts, Social Sciences and Humanities. The CDR provides education, resources, and

services that give individuals, organizations, and communities the tools they need to productively communicate and manage conflicts.

Contact

Interim Department Head

Deborah L. Larson, PhD

Office

Craig Hall, Room 376

Phone

417-836-5218

Email

CMJF@MissouriState.edu

Website

MissouriState.edu/CMJF

Department of English

The Department of English is an academic department within the School of Communication.

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)

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 110, ENG 210 and ENG 221, English courses counted toward the major or minor can also be counted toward the General Education requirements.

Contact

Department Head

Linda T. Moser, PhD

Office

Siceluff Hall, Room 215

Phone

417-836-5107

Email

English@MissouriState.edu

Website

English.MissouriState.edu

Department of History

The Department of History is an academic department within the School of Humanities and Social Sciences.

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

Department Head

Kathleen A. Kennedy, PhD

Office

Strong Hall, Room 410

Phone

417-836-5511

Email

History@MissouriState.edu

Website

History.MissouriState.edu

Department of Languages, Cultures and Religions

The Department of Languages, Cultures and Religions is an academic department within the School of Humanities and Social Sciences.

Accreditations

- Missouri Department of Elementary and Secondary Education - Modern Language/Teacher Certification in Chinese, French, German, Japanese, Latin, and Spanish (BS)
- Council for the Accreditation of Educator Preparation - Modern Language/Teacher Certification in Chinese, French, German, Japanese, Latin, and Spanish (BS)

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 World Languages and Cultures 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 World Languages and Cultures.

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.

Foreign Language Institute

The Foreign Language Institute is a Missouri State-led partnership among five Springfield-area institutions of higher learning. Its purpose is to expand opportunities for students at all of the partner schools and in the broader community to learn languages, particularly those identified as critical or "less commonly taught" languages. Detailed information is listed here: Foreign Language Institute

Contact

Department Head

Stephen C. Berkwitz, PhD

Office

Siceluff Hall, Room 223 (Languages) Strong Hall, Room 282 (Religious Studies)

Phone

417-836-5514

Email

LCR@MissouriState.edu

Website

MissouriState.edu/LCR

Department of Military Science

The Department of Military Science is an academic department within the School of Defense and Strategic Studies.

Contact

Department Head

LTC Michael A. Lengel

Office

Freudenberger House, Room 36

Phone

417-836-5791

Email

MilitaryScience@MissouriState.edu

Website

MissouriState.edu/MilSci

Department of Music

The Department of Music is an academic department within the School of the Arts.

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)

Contact

Interim Department Head

Paula K. Paterson, EDD

Office

Ellis Hall, Room 200

Phone

417-836-5648

Email

Music@MissouriState.edu

Website

MissouriState.edu/Music

Department of Political Science and Philosophy

The Department of Political Science and Philosophy is an academic department within the School of Humanities and Social Sciences.

Accreditation

Network of Schools of Public Policy, Affairs, and Administration-Commission on Peer Review and Accreditation - Master of Public Administration (MPA)

Contact

Interim Department Head

Christopher T. Lynch

Office

Strong Hall, Room 307

Phone

417-836-5630

Email

PSP@MissouriState.edu

Website

MissouriState.edu/PSP

Department of Sociology, Anthropology & Gerontology

The Department of Sociology, Anthropology & Gerontology is an academic department within the School of Humanities and Social Sciences.

Contact

Department Head

Mary S. Willis, PhD

Office

Strong Hall, Room 451

Phone

417-836-5640

Email

SAG@MissouriState.edu

Website

MissouriState.edu/SAG

Department of Theatre and Dance

The Department of Theatre and Dance is an academic department within the School of the Arts.

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)

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

Interim Department Head

Christopher J. Herr, PhD

Office

Craig Hall, Room 355

Phone

417-836-4400

Email

TheatreandDance@MissouriState.edu

Website

TheatreAndDance.MissouriState.edu

McQueary College of Health and Human Services

Academic Units

Schools

- School of Anesthesia
- School of Mental and Behavioral Health
- School of Nursing

Departments

- Department of Biomedical Sciences
- Department of Communication Sciences and Disorders
- Department of Kinesiology
- Department of Occupational Therapy
- Department of Physical Therapy
- Department of Physician Assistant Studies
- Department of Public Health and Sports Medicine

Centers/Clinics

- Learning Diagnostic Clinic
- MSUCare
- Physical Therapy Clinic
- RStats Institute
- Speech-Language-Hearing Clinic

Contact

Dean

Mark A. Smith, PhD

Associate Dean

Letitia J. White Minnis, PhD

Office

Professional Building Room 110

Phone

417-836-4176

Email

MCHHS@missouristate.edu

Website

MCHHS.MissouriState.edu

School of Health Care Professions

Contact

School Director

Michael, Bird PhD

Office

Athletic Training-Ann Kampeter Health Sciences Hall, Room 160

Communication Sciences and Disorders-Ann Kampeter Health Sciences Hall, Room 237

Occupational Therapy-O'Reilly Clinical Health Sciences Center, Suite 203

Physical Therapy-McQueary Family Health Sciences Hall

Physician Assistant Studies-O'Reilly Clinical Health Sciences Center, Suite 200

RStats Institute-McQueary Family Health Sciences Hall, Suite 112

Phone

417-836-4176

Email

SHCP@MissouriState.edu

Website

www.missouristate.edu/SHCP/default.htm

School of Health Sciences

Contact

School Director

Tona Hetzler, EdD

Office

Biomedical Sciences-Ann Kampeter Health Sciences Hall, Room 300

Kinesiology-McDonald Arena, Room 103

Public Health and Sports Medicine-Ann Kampeter Health Sciences Hall, Room 160

Phone

417-836-8924

Email

SHS@MissouriState.edu

Website

https://www.missouristate.edu/SHS/default.htm

School of Mental Health and Behavioral Sciences

Accreditation

Council of Applied Master's Programs in Psychology (certification only) - Psychology option in Industrial-Organizational (MS)

Contact

School Director

William P. Deal, PhD

Office

Counseling-Park Central Office Building 156

Psychology-Hill Hall, Room 319

Social Work-Pummill Hall 105

Phone

417-836-5745

Email

PaulDeal@MissouriState.edu

Website

https://www.missouristate.edu/SMHBS/default.htm

School of Nursing

Accreditation

- Commission on Collegiate Nursing Education - all bachelor and graduate programs
- The Pre-licensure 4-year nursing program leading to a Bachelor of Science in Nursing meets full approval of the Missouri State Board of Nursing.

Contact

School Director

Kathryn Patterson, DNP

Office

Ann Kampeter Health Sciences Hall, Room 200

Phone

417-836-5310

Email

Nursing@MissouriState.edu

Website

MissouriState.edu/Nursing

William H. Darr College of Agriculture

Academic Units

Schools

- School of Agricultural Science and Conservation
- School of Hospitality and Agricultural Leadership

Facilities

- Facilities (Mountain Grove Campus, Darr Agricultural Center, Fruit Experiment Station, Shealy Farm, Journagan Ranch, Kindrick Family Farm, The Woodlands, Baker's Acres)

Contact

Dean

Melissa A. Bledsoe, PhD

Office

Karls Hall, Room 201

Phone

417-836-5638

Email

Agriculture@MissouriState.edu

Website

ag.MissouriState.edu

School of Agricultural Science and Conservation

Contact

Director

Lacy D. Sukovaty, PhD

Office

Karls Hall, Room 201

Phone

417-836-5638

Email

Agriculture@MissouriState.edu

Website

AG.MissouriState.edu/EPSNR

AG.MissouriState.edu/AS

School of Hospitality and Agricultural Leadership

Accreditation

Accreditation Commission for Programs in Hospitality Administration - Hospitality Leadership (BS)

Contact

Director

Kara Wolfe, PhD

Office

Pummill Hall, Room 300

Phone

417-836-4409

Email

Agriculture@MissouriState.edu

Hospitality@MissouriState.edu

Website

AG.MissouriState.edu/AAEC

Hospitality.MissouriState.edu

Undergraduate College/Provost

Contact

Administrator

Kelly S, Wood, Phd

Associate Vice President for Student Success

Office

Meyer Library, Room 116

Phone

417-836-8346

Email

Success@MissouriState.edu

Website

Missouristate.edu/StudentSuccess/interdisciplinary.htm

Interdisciplinary Studies

General Information

The Bachelor of General Studies degree is an interdisciplinary degree designed for students later in their academic career, with over 75 hours, and broad interests 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 future needs and is not found in a major offered at Missouri State University.

Contact

Administrator

Kelly S, Wood, Phd

Associate Vice President for Student Success

Office

Meyer Library, Room 116

Phone

417-836-8346

Email

Success@MissouriState.edu

Website

Missouristate.edu/StudentSuccess/interdisciplinary.htm

Honors College

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Academic Policies & University Information

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

Academic Policies

In addition to satisfying all degree requirements below, students should be familiar with all 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, the Graduate College or the Office of the Registrar if they have questions regarding an academic policy.

A list of commonly referred to academic policies and procedures can be found here: Quick Glance-Academic Policies and Procedures . However, all academic policies are located in the University's policy library.

Components of an Undergraduate Degree Program

1. General Education Program and Requirements
2. 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.
3. A minor is the student's secondary area of specialization. Minors are required for all Bachelor of Arts and Bachelor of Science majors identified as "non-comprehensive" and are optional for majors identified as "comprehensive". Minors are optional for all other degrees.
4. The General Baccalaureate Degree Policies & Requirements include University-level requirements such as total hours, upper division, GPA, and residence requirements.
5. All Bachelor of Arts degrees require a 27-hour core of courses as outlined in the Bachelor of Arts Degree Requirements .
6. All Bachelor of Science in Education and Bachelor of Music Education degrees require completion of all Teacher Education and Teacher Certification Requirements .

General University Information

- About Missouri State (Campuses; Centers for Research and Service; Governance; History of the University; and Mission, Vision and Values)
- Academic Calendar
- Accreditation
- Course Numbering System and Guide to Course Descriptions
- Glossary of Terms
- Office of the Provost
- Office of Undergraduate Admissions
- Office of Graduate Admissions
- Office of Financial Aid
- Office of Financial Services
- International Services
- Residence Life, Housing and Dining Services

Quick Glance-Academic Policies and Procedures

Academic Procedures & Other Information

Adding and Dropping Classes (and Withdrawing), Procedures for

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Auditing a Class

Degree Audits

Intersession

Order a Transcript

Pass/Not Pass

Registration-Change of Schedule (Add/Drop) Form

Veterans Benefits

Academic Policies

Academic Integrity Procedures Summary

Academic Renewal

Academic Status

Admission Policies

Assessment Program

Attendance Policy

Auditing a Course

Certificate, Undergraduate

Certificate, Graduate

Change of Schedule (Add/Drop)

Class Disruption

Classification

Commencement

Credit for Military Education and Experience

Credit Hours and Semester System

Dean's List

Declaring or Changing a Major

Degree Program

Diploma/University Certificate

Disability Accommodation Policy for Students

Dual Enrollment

Enrollment Status/Reduced Course Load Policy

Equal Opportunity and Affirmative Action

FERPA Policy

Final Examination Period

Grade Appeals and Academic Grievances

Grade Point Average

Grading and the Credit Point System

Graduate Credit, Undergraduate Students Taking (Mixed Credit and Senior Permission)

Graduation

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Incomplete Grade

Instructor Drop

Legal Information and Status (Name Change)

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

Overload Permission

Pass/Not Pass Grading Option

Posthumous Degree

Prerequisites

Prior Learning Assessment

Registration

Repeat Policy

Determination of Residency for Tuition and Fee Purposes

Scholastic Honors

Student Rights and Responsibilities

Transcript

Undergraduate Transfer Credit Policy

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.

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.

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, orthe 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.

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.
- Limitations on course applicability to degree requirements.
- Courses that have both an undergraduate and graduate version (example: ACC 504 and ACC 604) or both a master's and doctoral version (example: OTE 610 and OTE 710) are noted. Students who enroll in either course meet in the same room at the same time with the same instructor. The higher level version of the course must require appropriate coursework. Such courses are identified in the semester class schedule as "cross-listed" courses.
- Periodicity indicating 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. Learn more: Credit Hours and Semester System Policy.
- *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, appropriate placement 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 course.
- Some courses may require concurrent enrollment in another course during the same semester. Such courses are identified in the semester class schedule as needing a "corequisite".
- Prerequisites and corequisites change over time and are not dependent on the student's catalog of graduation. The registration system will enforce prerequisites and corequisites 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.

Glossary of Terms

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

Academic Advisor A University employee who is committed to helping students meet their educational goals.

Academic Unit Leader administrative officer responsible for an academic unit within a department, school, or college.

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

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.

Alumni Individuals who have attended or graduated from the 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 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 courses, programs of study and academic policies and requirements.

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

Change of Schedule Period First five days of the term when students can add and drop classes.

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

College Group of academic departments, schools and programs administered by a college dean.

College Level Examinations Program (CLEP) Method of earning academic credit outside of traditional course offerings.

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.

Co-requisite Two or more courses that must be taken during the same term.

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.

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 Credit Program in which students can earn college credit from Missouri State while in high school.

Dual Enrollment Refers to students who are concurrently enrolled in two or more higher education institutions.

Enrollment Status Indicates student's academic load (i.e., full-time, three-quarter time, half-time, less than half-time).

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

General Education Program Group of foundation courses required of all undergraduate degrees regardless of major.

Grade Point Numerical value given to grades (also referred to as quality points.) 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 registering for classes 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.

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 class and the instructor agrees to allow additional time for completion.

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 earn both graduate and undergraduate credit.

Modality How, when and where a class is taught. Refer to the class schedule.

My Missouri State Website that provides access to personal student information, email, blackboard, online registration, and much more. A BearPass login is required to access the system.

Non-Comprehensive Major A BA or BS major 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 Typically describes 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 courses Those courses that have both an undergraduate and graduate version (example: ACC 504 and ACC 604) or both a master's and doctoral version (example: OTE 610 and OTE 710). Students who enroll in either course meet in the same room at the same time with the same instructor. The higher level version of the course must require appropriate coursework. 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 A nondegree seeking classification of student who has earned a bachelor's degree and wishes to take additional classes 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 Another name for a major.

Readmission Admission process followed by a student who wishes to enroll after a absence of one full calendar year.

Registration Restriction A type of prerequisite that requires student be in a specific major in order to enroll in the class.

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

School Director administrative officer responsible for an academic school within a college.

Semester Also, referred to as a "term". Instructional period of 15 weeks plus a final examination period offered twice a year. Additional instructional periods include intersessions and summer sessions.

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

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 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 classes unless reinstatement is granted by the dean of the college of the student's major.

Syllabus Document describing the objectives, outcomes, assessment activities, and structure of a class 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 of classes and grades received and degrees awarded.

Transfer Credit Classes taken at another institution and accepted as college credit 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.

General Baccalaureate Degree Policies & 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. Some majors require completion of an option which is a specialized area of study within the major. The option title will appear on the student's transcript but not on the diploma.

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 and Bachelor of Music Education degrees 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 Survey

All students admitted into a baccalaureate degree program must complete a University Exit survey. Students must take this University Exit Survey prior to graduation and upon the completion of 102 or more credit hours.

Students who complete more than one baccalaureate degree are only required to take the survey one time. Requests for exceptions to the survey requirement due to extreme hardship should be directed to the Office of Assessment, Exit Survey Administrator. More information regarding the University Exit Survey may be found here.

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 majors when the last two years are completed at the University of Missouri School of Veterinary Medicine, d) Animal Science majors when the last year is completed at the University of Arkansas-Fayetteville, e) students who participate in a Missouri State education abroad or exchange program approved by the Office of International Programs, and f) 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.

Undergraduate Certificate Policies & Requirements

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 non-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 Advising and Transfer 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.

Bachelor of Arts Requirements

Bachelor of Arts Degree Requirements

All Bachelor of Arts degree requirements must be satisfied regardless of delivery method or location of program of study.

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

Language Requirement

Complete one of the following options:

a. Complete 12 hours in a single language offered by the Department of Languages, Cultures, and Religions. 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 Languages, Cultures, and Religions.
b. Complete 12 hours in American Sign Language (ASL) courses. Consult with the College of Education regarding any exceptions or substitutions.

World History

Note: may also count toward the General Education Focus on Humanities requirement.

- HST 103 - World History to Circa 1600 C.E.
- HST 104 - World History since 1600 C.E.

Philosophy

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

Fine Arts

Complete six hours chosen from any of the following courses. Courses used to satisfy the Fine Arts requirement cannot be counted toward the General Education Program requirements. Note: departments of English; Languages, Cultures, and Religions; and Theatre and Dance have additional restrictions on double-counting of courses. Refer to the department section of catalog for details.

Art

- ART 200 - Art in Context
- ART 271 - History of Western Art I
- ART 272 - History of Western Art II
- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
- ART 274 - Survey of Asian Art
- ART 387 - History of Photography
- ART 471 - Islamic Art
- ART 472 - Medieval Art

- ART 475 - Art of the Renaissance
- ART 476 - Women and Art
- ART 478 - Baroque Art
- ART 480 - Modern Art
- ART 483 - Modern Architecture and Urban Forms
- ART 484 - Contemporary Art
- ART 485 - Art of Mesoamerica
- ART 486 - Art of Africa
- ART 487 - Art of the Americas

Language/Literature from Languages, Cultures, & Religions

- ARB 297 - Special Topics in Arabic
- CHI 297 - Special Topics in Chinese
- CHI 410 - Translation
- CHI 498 - Seminar Course in Chinese
- FRN 297 - Special Topics in French
- FRN 326 - Culture Populaire
- FRN 335 - Les Beaux-Arts du monde francophone
- FRN 381 - French Literature from the Middle Ages through the Enlightenment
- FRN 382 - Literature of the French-speaking World from the 19th Century to the Present
- FRN 410 - Translation
- FRN 412 - Le Cinema francophone
- GRM 297 - Special Topics in German
- GRM 320 - German Cinema
- GRM 325 - Kulturkunde der deutschsprachigen Lander
- GRM 400 - Praktikum
- GRM 410 - Translation
- GRM 455 - Masterpieces of 19th Century German Literature
- GRM 465 - Masterpieces of 20th Century German Literature
- GRM 475 - Topics in German(ic) Literature and Culture
- GRM 485 - Thematic Approaches to German Literature
- GRM 495 - Advanced Undergraduate Seminar in German
- GRM 498 - Seminar Course in German
- GRK 297 - Special Topics in Greek
- GRK 301 - Studies in Greek Prose
- GRK 302 - Studies in Greek Poetry
- GRK 498 - Seminar Course in Ancient Greek
- HBW 297 - Special Topics in Hebrew
- ITL 297 - Special Topics in Italian
- JPN 297 - Special Topics in Japanese
- KOR 297 - Special Topics in Korean
- LLT 121 - Classical Mythology
- LLT 180 - From Hero to Superhero
- LLT 215 - Asian Cultural Studies
- LLT 225 - German Cultural Studies
- LLT 240 - Epics from Classical Antiquity

- LLT 271 - Special Topics in German(ic) Literature in English Translation
- LLT 296 - Major Authors in Translation
- LLT 321 - Comparative Mythology
- LLT 325 - Greek Civilization
- LLT 326 - Roman Civilization
- LTN 450 - Readings in Roman Public Affairs
- LTN 451 - Roman Elegy and Lyric
- LTN 460 - Roman History
- LTN 461 - Roman Epic
- LTN 470 - Roman Letters and Personal Life
- LTN 471 - Roman Satire
- PTG 297 - Special Topics in Portuguese
- RUS 297 - Special Topics in Russian
- SPN 297 - Special Topics in Spanish
- SPN 314 - Hispanic Contemporary Issues
- SPN 320 - Hispanic Cinema
- SPN 325 - Civilization of Spain
- SPN 326 - Civilization of Spanish America
- SPN 410 - Translation
- SPN 450 - Modern Peninsular Literature
- SPN 460 - Spanish American Literature
- SPN 480 - Directed Readings
- SPN 495 - Advanced Undergraduate Seminar in Spanish
- SPN 510 - Advanced Translation

Literature

- ENG 184 - Mini Literature
- ENG 200 - Great Books and Instant Classics
- ENG 282 - Literature by Women
- ENG 287 - Life Stages in Literature
- ENG 289 - Literature, Culture, and Social Justice
- ENG 312 - Introduction to Shakespeare
- ENG 330 - Studies in Literature
- ENG 334 - Literature for Children
- ENG 336 - Literature for Middle School
- ENG 338 - Literature for Young Adults
- ENG 340 - Survey of English Literature I
- ENG 341 - Survey of English Literature II
- ENG 350 - Survey of American Literature I
- ENG 351 - Survey of American Literature II
- ENG 354 - Ethnic American Literature
- ENG 355 - African American Literature
- ENG 360 - Survey of European Literature I
- ENG 361 - Survey of European Literature II
- ENG 362 - Non-European World Literature
- ENG 363 - Introduction to African Literature

- ENG 366 - Popular Fiction
- ENG 455 - African American Drama
- ENG 483 - Folklore and Literature
- ENG 485 - Study of American Folklore
- ENG 510 - Chaucer
- ENG 512 - The British Novel
- ENG 513 - Shakespeare
- ENG 514 - British Drama
- ENG 517 - The American Novel
- ENG 519 - American Drama
- ENG 533 - Studies in Children's Literature
- ENG 534 - Historical Perspectives in Children's Literature
- ENG 536 - Young Adult Novel
- ENG 541 - Renaissance Literature
- ENG 543 - Restoration and 18th Century Literature
- ENG 544 - British Romantic Literature
- ENG 546 - Victorian Literature
- ENG 547 - Modern British Literature
- ENG 548 - Major British Authors
- ENG 553 - American Romantic Literature
- ENG 554 - Topics in Ethnic American Literature
- ENG 557 - American Realism
- ENG 558 - Major American Authors
- ENG 559 - Modern American Literature
- ENG 563 - Literature and Medicine
- ENG 568 - Major World Authors
- ENG 580 - Gender Issues in Language and Literature
- ENG 583 - Themes in Folkloristics

Kinesiology

- KIN 240 - Creative Dance and Movement Education

Music

- MUS 239 - Introduction to World Music
- MUS 241 - The Language of Music
- MUS 345 - Music in Western Culture and Society I
- MUS 346 - Music in Western Culture and Society II

Theatre and Dance:

- DAN 180 - Dance Appreciation
- THE 101 - Introduction to Theatre and Drama Arts
- THE 109 - Performance Studies
- THE 541 - Theatre History I
- THE 542 - Theatre History II

- THE 543 - Development of Modern Theatre
- THE 545 - Contemporary Theatre
- THE 547 - Development of American Theatre

General Education Program & Requirements

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 three courses with the same course code towards the General Education requirements.

Learn more: General Education Goals

Foundations (14-18 hours)

First-Year Seminar

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

Course options:

- GEP 101 - First-Year Foundations
  OR
- UHC 110 - Freshman Honors Seminar

Focus on Written Communication and Information Literacy

Complete one course (3-5 hours). Should be taken during first year.

Course options:

- ENG 105 - Writing I with Studio
- ENG 110 - Writing I

Focus on Oral Communication

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

Course option:

- COM 115 - Fundamentals of Public Speaking

Focus on Quantitative Literacy

Complete one course (3-5 hours).

Course options:

- MTH 130 - Contemporary Mathematics
- MTH 134 - Algebraic Reasoning and Modeling
- MTH 136 - Precalculus 1
- MTH 137 - Precalculus 2
- MTH 138 - Pre-Calculus Mathematics
- MTH 261 - Analytic Geometry and Calculus I
- MTH 287 - Computational Calculus with Analytic Geometry I

Focus on Written Communication and Integrative and Applied Learning

Complete one course (3 hours).

Course options:

- AGR 320 - Writing in the Applied Sciences
- ENG 210 - Writing II: Writing Across the Disciplines
- ENG 221 - Writing II: Writing for the Professions
- ENG 310 - Writing II: Writing for Graduate and Professional Schools
- ENG 321 - Writing II: Beginning Technical Writing
- GLG 358 - Writing II: Reporting Geological Information
- HST 210 - Writing II: Historical Inquiry

Breadth of Knowledge (31-33 hours)

Knowledge of Human Cultures

(12 hours, four different course codes)

Focus on Social and Behavioral Sciences

Complete two courses (6 hours).

Course options:

- AGR 100 - Food Security
- ANT 125 - Exploring Our Human Ancestry
- CFD 155 - Principles of Human Development
- CFD 163 - Relationships in Today's Families
- CRM 220 - Criminology
- DTN 130 - Social and Behavioral Applications of Human Nutrition
- ECO 155 - Principles of Macroeconomics
- ECO 165 - Principles of Microeconomics
- GRY 108 - Principles of Sustainability
- MED 120 - Mass Media and Society
- PSY 121 - Introductory Psychology

- REL 131 - Religion in America
- SOC 150 - Introduction to Society

Focus on Humanities

Complete one course (3 hours).

Course options:

- AAS 100 - Introduction to African American Studies
- ART 271 - History of Western Art I
- ART 272 - History of Western Art II
- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
- ART 274 - Survey of Asian Art
- ENG 200 - Great Books and Instant Classics
- ENG 282 - Literature by Women
- ENG 283 - Folklore and Cultural Engagement
- HST 103 - World History to Circa 1600 C.E.
- HST 104 - World History since 1600 C.E.
- LLT 121 - Classical Mythology
- MED 274 - Introduction to Film
- MUS 241 - The Language of Music
- PHI 110 - Introduction to Philosophy
- REL 101 - Old Testament/Hebrew Bible
- REL 102 - New Testament

Focus on the Arts

Complete one course (3 hours).

Course options:

- ART 200 - Art in Context
- DAN 180 - Dance Appreciation
- ENG 203 - Creative Writing: Poetry
- ENG 205 - Creative Writing: Nonfiction
- ENG 215 - Creative Writing: Short Story
- MUS 239 - Introduction to World Music
- THE 101 - Introduction to Theatre and Drama Arts

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

Complete one course (3-4 hours).

Course options:

- BIO 100 - Biological Science for Educators
- BIO 101 - Biology in Your World
- BIO 111 - Laboratory for Biology in Your World Note: Student must have completed BIO 101 or be concurrently enrolled in both BIO 101 and BIO 111.
- BIO 121 - General Biology I
- BMS 100 - Essentials in Human Biology
- BMS 101 - Essentials in Human Biology Laboratory Note: Student must have completed BMS 100 or be concurrently enrolled in both BMS 100 and BMS 101.
- BMS 110 - Introduction to Human Biology
- BMS 111 - Introduction to Human Biology Laboratory Note: Student must have completed BMS 110 or be concurrently enrolled in both BMS 110 and BMS 111.
- GLG 115 - Life of the Past

Focus on Physical Sciences

Complete one course (3-5 hours).

Course options:

- AST 113 - Modern Astronomy
- AST 114 - Survey of Astronomy
- AST 115 - Basic Astronomy
- CHM 107 - Chemistry for the Citizen
- CHM 108 - Chemistry for the Citizen Laboratory 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
- CHM 117 - Fundamentals of Chemistry Laboratory 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
- CHM 161 - General Chemistry I Laboratory Note: Student must have completed CHM 160 or be concurrently enrolled in both CHM 160 and CHM 161.
- GLG 110 - Principles of Geology
- GLG 113 - Earth: The Instruction Manual
- GLG 114 - Earth: The Survival Guide
- GLG 116 - Earth: The Hands-on Adventure Note: Student must have completed GLG 113 or GLG 114 or GLG 115 or be concurrently enrolled in both GLG 116 and GLG 113 or GLG 114 or GLG 115.
- GRY 135 - Principles of Weather and Climate
- GRY 137 - Meteorology: Understanding Weather and Climate
- GRY 138 - Meteorology: Understanding Weather and Climate Laboratory Note: Student must have completed GRY 137 or be concurrently enrolled in both GRY 137 and GRY 138.
- GRY 142 - Earth's Natural Environment
- GRY 145 - Earth's Natural Environment
- GRY 146 - Earth's Natural Environment Laboratory
- PHY 100 - Survey of Physics with Laboratory
- PHY 101 - Physics by Inquiry for Educators
- PHY 123 - Introduction to Physics I
- PHY 203 - Foundations of Physics I

Public Affairs (12 hours; four different course codes)

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

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

Course options:

- HST 121 - Survey of the History of the United States to 1877
  OR
- HST 122 - Survey of the History of the United States since 1877
- PLS 101 - American Democracy and Citizenship

Focus on Cultural Competence

Complete one course (3 hours).

Course options:

- ANT 100 - World Cultures
- COM 260 - Communicating with Cultural Competence
- ENG 289 - Literature, Culture, and Social Justice
- GER 180 - Successful Aging
- GRY 100 - World Regional Geography
- IDS 297 - International Culture and Study Abroad
- LCR 100 - Language and Culture in Global Context
- LLT 180 - From Hero to Superhero
- MTH 121 - Multicultural Views of History and Mathematics
- REL 100 - Introduction to Religion
- REL 110 - World Religions
- SWK 219 - Human Diversity

Focus on Public Issues

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:*

- CRM 210 - Introduction to the American Criminal Justice System
- ECO 101 - Economics of Social Issues
- EDC 249 - Schooling in America
- ENG 201 - Public Issues in Popular Culture
- ENG 222 - Writing for Social Change
- GBL 250 - Introduction to Global Studies and Globalization
- GEO 200 - Exploring Our Digital Earth
- ITC 200 - Critical and Creative Thinking Using Information Technology

- KIN 210 - Healthy Lifestyles: Preventive Approaches
- KIN 286 - Ethics and Diversity in American Sport
- PHI 105 - Critical Thinking
- PHI 115 - Ethics and Contemporary Issues
- PLN 100 - Introduction to Urban Studies
- SOC 152 - Social Problems in the Community

Appeals for Exceptions

The General Education Program of the University is administered by the Associate Vice President for Student Success. Appeals for exceptions to the General Education Program requirements should be made to the Associate Vice President for Student Success. Students who are unsatisfied with the Associate Vice President'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 and 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.

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 HIST102)
    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 transferable 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 Vice President for Student Success).

Contact

Contact

Administrator

Kelly S. Wood, PhD, Associate Vice President for Student Success

Office

Meyer Library 116

Phone

417-836-8346

Website

MissouriState.edu/GeneralEducation

Teacher Education & Teacher Certification Requirements

Teacher Education and Teacher Certification Requirements

Teacher Education includes College of Education and Secondary Education programs which are housed in a variety of colleges across the university. The Teacher 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 an Educator Preparation Provider Council (EPPC) and subcommittees. All academic areas 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, Hill Hall 228, 417-836-5215
- College of Education Dean: Dr. Barri Tinkler, Dean, Hill Hall 230, 417-836-5254
- Secondary Education: Dr. Andrew H. Homburg, Director, 417-836-6204
- COE Advisement Center: Juli Panza, Director, Professional Education Services, 417-836-5429
- Professional Education Certification: Kim Dubree, Teacher Certification Officer, 417-836-8772

Teacher Education

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 teacher education. Academic and professional competence is required for admission to and continuation in teacher education. 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 teacher certification should contact the Professional Education Services office, 417-836-8772. This office provides a program evaluation service for initial certificates, 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 their program for specific program requirements.

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

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

Transfer credit

To apply transfer credit in Professional Education courses, a student enrolled at Missouri State should contact their academic advisor for assistance.

Teacher Education requirements

A. Enroll in an Introductory Professional Education course. Consult your academic advisor to determine the introductory methods courses required in your program (ECE 304, ELE 302, ENG 304, KIN 200, MUS 200, SEC 302, or SPE 310). The student must:
    1. Transfer students should meet with an academic advisor to determine whether EDC 150 is required.
    2. The introductory methods course may require a field experience. If so, you will be required to complete the Missouri Volunteer and Employee Criminal History Service (MOVECHS) wavier and FBI Fingerprinting Background Check prior to any field experience placement. For more information, refer to Compliance Documents Required for Practicum, Internship or Student Teaching.

B. Requirements for Admission to and Continuance in Teacher Education: Students completing teacher certification requirements must be admitted to Teacher Education. Admission to the Program is required. Admission to the Teacher Education is required as a prerequisite to many professional education courses. Criteria used to determine admission to Teacher Education are outlined below.
    1. Met any specific GPA requirements for admission to teacher education as outlined in the undergraduate major.
    2. A combined (Missouri State and transfer) total of at least 45 credit hours for secondary and middle school majors, or 30 credit hours for early childhood, elementary, and special education majors.
    3. A passing score on one of the approved entrance exam options.
    4. A grade of "C-" or higher in COM 115 or have a transfer course transcripted as GEC 103.
    5. A passing grade as outlined in the undergraduate major in one of the following: ART 360, ECE 304, ENG 304, KIN 200, MUS 200, SEC 302, or SPE 310. A transfer course transcripted as PEU 015 can be substituted for ELE 302 or SEC 302.
    6. Completion of Missouri Volunteer and Employee Criminal History Service (MOVECHS) waiver and FBI Fingerprinting Background Check prior to starting any field experience placement. For more information, refer to Compliance Documents Required for Practicum, Internship or Student Teaching.
    7. Completion of Professionalism Contract and Student Contract.
    8. Completion of Initial Dispositions Self-Assessment.

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 Teacher Education is subject to review and change by the EPPC at any time while the student is enrolled. Students must consult with their program for specific program requirements.

C. Requirements for Assignment to Supervised Teaching: Successful completion of supervised teaching is a requirement for teacher certification. Criteria used to determine eligibility for Supervised Teaching are outlined below.
    1. Admitted to Teacher Education and completion of Transition Point #1 and Transition Point #2.
    2. Current and valid Professional Liability Insurance.

3. Completion of Missouri Volunteer and Employee Criminal History Service (MOVECHS) waiver and FBI Fingerprinting Background Check prior starting to any field experience placement. For more information, refer to Compliance Documents Required for Practicum, Internship or Student Teaching.
4. Met any specific GPA requirements for supervised teaching as outlined in the undergraduate major.
5. Completed all courses in the major (certificate-subject area) as outlined in the undergraduate major.
6. A passing grade in all Professional Education courses as outlined in the undergraduate major. Students must consult with their program for specific program grade requirements.
7. Completion of all coursework except supervised teaching, or have an approved exception on file.
    a. All core professional education course exceptions must be approved by the EPPC Exceptions and Compliance Committee.
    b. All other course exceptions must be approved by the program.
8. Attempt the Missouri Content Assessment (MoCA) in the certification area (must be passed for certification recommendation).
9. Verification by the academic advisor that all coursework and degree requirements have been met to proceed to supervised teaching.
10. Final approval by the program coordinator in consultation with academic advisor(s) of the program in which the student is completing an undergraduate major or seeking certification.

D. Requirements for Certification Recommendation: All state teacher certification requirements which are in effect at the time of certification as determined by Missouri Department of Elementary and Secondary Education (MoDESE) must be met. In addition, MoDESE will require a current and valid FBI background check prior to issuing a certificate. Criteria used to determine eligibility for recommendation for certification are outlined below:
    1. Successful completion of a state-approved education program at Missouri State University.
    2. A combined (Missouri State and transfer) GPA of 3.00 or higher in the Professional Education courses.
    3. A combined (Missouri State and transfer) GPA of 3.00 or higher in the major (certificate subject/content area) and for each additional area of endorsement.
    4. A passing score on all state-required certification assessments which are in effect at the time of certification as established by MoDESE. Current assessments include:
        a. Missouri Content Assessment (MoCA)
        b. Missouri Education Evaluation System (MEES)

Secondary Education

(Certifiable grades 9-12 and K-12)

Secondary education students must meet Teacher Education and Teacher Certification requirements.

The curriculum for secondary (9-12 and K-12) 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 or have a transfer course transcripted as GEC 103.
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. Requirements for Professional Education Courses
Some Professional Education courses require admission to Teacher Education. Students must consult their program for any additional admission to Teacher Education 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 - General Methods of Instruction in the Middle and Secondary Schools. Note: Art Education majors satisfy this requirement by completion of ART 360; English Education majors satisfy this requirement by completion of ENG 304 ; Music Education majors satisfy this requirement by completion of MUS 200; Physical Education majors satisfy this requirement by completion of KIN 200.
        b. PSY 360 - Educational Psychology.
        c. EDC 345 - Introduction to Multicultural Education and Diversity. Note: Art Education majors cover competencies in major requirements.
        d. SPE 340 - Educational Alternative for Exceptional Students. Note: Music Education majors satisfy this requirement by completion of MUS 340; Physical Education majors satisfy this requirement by completion of KIN 468.
        e. LTC 474 - Reading and Writing in the Content Fields . Note: English Education majors satisfy this requirement by completion of ENG 577.
        f. LTC 574 - Analysis and Correction of Difficulties in Adolescent 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. Note: English Education majors satisfy this requirement by completion of ENG 576.
        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 - Transitional Pathway: Education. 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 345 - Introduction to Multicultural Education and Diversity . Note: Art Education majors cover competencies in major requirements.
        c. EDC 350 - School and Society. Note: Art Education, Family and Consumer Sciences Education, Modern and Classical Languages Bachelor of Science with an option in Teacher Certification, Music Education, Physical Education, and Speech and Theatre Education majors cover competencies in major requirements.
        d. EDT 365 - Educational Applications of Technology and Media. Note: Agriculture Education, Art Education, English Education, Family and Consumer Sciences Education, History (Social Science) Education, Mathematics Education, Music Education, Physical Education, and Speech and Theatre Education majors cover competencies in major requirements.
        e. SEC 302 - General Methods of Instruction in the Middle and Secondary Schools. Note: Art Education majors cover competencies in major requirements.
        f. SFR 486 - Management and Assessment in the Middle and Secondary Classroom. Note: Agriculture Education, Art Education, English Education, History (Social Science) Education, Mathematics Education, Music Education, Physical Education, and Speech and Theatre Education majors cover competencies in major requirements.

E. Programs leading to teacher certification may require more than the University minimum of 120 hours for graduation. It is the student's responsibility to meet all degree requirements. Refer to the program requirements for each major.

F. General Baccalaureate Degree Requirements

Honors College

Up to date information regarding the Honors Programs, including admission and advising information can be found here: Honors College.

Honors College Tracks

Students admitted to the Honors College will be assigned to one of the following programs, based upon college-level course work completed prior to entry.

General Track (Students with fewer than 30 credits)

The General Honors Program is designed to facilitate completion of both general education and major requirements.

Accelerated Track (Students with 30 or more credits)

The Accelerated Honors Program includes a primary emphasis upon the completion of major requirements and the production of a final distinction project.

Office of Education Abroad

The mission of the Office of Education Abroad is to facilitate high-quality academic programs that increase the cultural competence of the Missouri State community, while developing the global leaders of tomorrow.

For up to date information regarding application, eligibility, financial considerations and scholarships, and health and safety, contact the Office of Education Abroad.

Eligibility Requirements for Education Abroad at Missouri State University

Reciprocal exchanges

- A minimum of 2.5 cumulative GPA or higher.
- Minimum of 30 credit hours of university course work must be in progress or completed at the time of application.
- Must be a full-time student the semester prior to studying abroad. If the student will participate in education abroad in the fall, that student must be a full-time student the spring prior to studying abroad.
- Must be in good disciplinary standing with the Office of Student Conduct.

Affiliate programs

- A minimum of 2.5 cumulative GPA or higher.
- Minimum of 30 credit hours of university course work must be in progress or completed at the time of application.
- Must be a full-time student the semester prior to studying abroad. If the student will participate in education in the fall, that student must be a full-time student the spring prior to studying abroad.
- Students pursuing a program that is not a pre-approved Education Abroad Program must obtain approval from the Office of Education Abroad to receive academic credit.
- Must be in good disciplinary standing with the Office of Student Conduct.

Faculty-directed programs

- A minimum 2.0 cumulative GPA or higher established by the Program Director.
- Non-Missouri State students must enroll as non-degree seeking students to receive academic credit.
- Student disclosure is required at the time of application.
- Must be in good disciplinary standing with the Office of Student Conduct.

Education abroad appeals policy for GPA and credit hour minimum

If students do not meet the eligibility requirement of a minimum 2.5 GPA or 30 credit hours, please review the Education Abroad Appeals Policy.

Failure to comply

Failure to comply with all the above requirements will result in:

- The inability to transfer credit back to Missouri State University.
- A change in financial aid status.
- A loss of good standing at Missouri State University.

Missouri State University's Office of Education Abroad reserves the right to change, cancel or alter any provision of its programs as it deems necessary.

Contact

Director

Elizabeth C. Strong

Office

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Interdisciplinary Studies Programs

Interdisciplinary Studies

General Information

The Bachelor of General Studies degree is an interdisciplinary degree designed for students later in their academic career, with over 75 hours, and broad interests 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 future needs and is not found in a major offered at Missouri State University.

Contact

Administrator

Kelly S, Wood, Phd

Associate Vice President for Student Success

Office

Meyer Library, Room 116

Phone

417-836-8346

Email

Success@MissouriState.edu

Website

Missouristate.edu/StudentSuccess/interdisciplinary.htm

General Studies, Bachelor of (BGS)

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 Academic Advising and Transfer Center and the Associate Provost for Student Success.

All applicants for the BGS degree program must submit a written essay to the Associate Provost for Student Success 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:

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 three 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 nine 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.

Additional hours to bring the upper division total to at least 40.

Additional electives to bring the total hours to at least 120.

All General Baccalaureate Degree requirements except those applying to majors and options and multiple degrees and/or multiple majors.

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Policies & Requirements

Individualized Major (BAS)

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 Advising and Transfer Center, University Hall, room 109, for admission to an individualized major.
    1. 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.
    2. A student accepted to pursue an individualized major selects 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.
    3. 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 Advising and Transfer 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.

Major requirements

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.

- IDS 499 - Senior Integrating Experience

Total credit hours: 45

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Policies & Requirements

Individualized Major (Comprehensive) (BA)

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 Advising and Transfer 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 selects 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 Advising and Transfer 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.

Major Requirements

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.

- IDS 499 - Senior Integrating Experience

Total Credit Hours: 45

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Individualized Major (Comprehensive) (BS)

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 Advising and Transfer Center, University Hall, room 109, for admission to an individualized major.
    1. 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.
    2. A student accepted to pursue an individualized major selects 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.
    3. 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 Advising and Transfer 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.

Major Requirements

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.

- IDS 499 - Senior Integrating Experience

Total Credit Hours: 45

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

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 academic unit leader in which the minor is to be taken. This petition is prepared in consultation with the student's advisor and the academic area of the minor; it includes a list of the proposed courses to be taken witha detailed statement of justification. The academic unit leader may accept or reject the petition. When the proposal is agreed upon by both the student and the academic unit leader, a personalized program is written and forwarded to the Office of the Registrar.

Pre-Professional

Pre-Engineering

The Department of Mathematics, the Department of Physics, Astronomy and Materials Science, and the Department of Computer Science share student advisement for all pre-engineering areas. Find more information here.

Pre-Health Professions

Missouri State offers a wide range of training for students interested in pursuing health professions. For many health-related fields, students can use almost any undergraduate major to gain entrance into the graduate programs needed to practice professionally as long as individual prerequisites are met. Find more information here.

Pre-Law

An excellent way to prepare for a legal education is to take a broad range of difficult courses that develop the following core skills and values and provide a broad understanding of specific areas of study. Find more information here.

Courses

African American Studies

AAS 100 - Introduction to African American Studies

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

AAS 312 - Anthropology of Gender

Credit Hours: 3
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. Identical with ANT 312. Cannot receive credit for both AAS 312 and ANT 312.

Prerequisite: ANT 100 or ANT 303 or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

AAS 323 - Women in Africa

Credit Hours: 3
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. Identical with HST 323. Cannot receive credit for both AAS 323 and HST 323.

Recommended Prerequisite: HST 103 or HST 104.

Lecture contact hours: 3

Typically offered: Demand

AAS 330 - Peoples and Cultures

Credit Hours: 1-3
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. Identical with ANT 330. Cannot receive credit for both AAS 330 and ANT 330. Variable content course. May be

repeated when topic changes.

Typically offered: Demand

AAS 331 - African American History I

Credit Hours: 3
Survey of the experiences of Americans of African descent to 1865. Emphasis on African heritage; African-American contributions and institutions; slavery and quasi-freedom. Identical with HST 331. Cannot receive credit for both AAS 331 and HST 331.

Recommended Prerequisite: HST 121 or AAS 100.

Lecture contact hours: 3

Typically offered: Demand

AAS 332 - African American History II

Credit Hours: 3
Continuation of AAS 331, 1865-present. Emphasis on the struggles for racial justice; protest organizations, philosophies and tactics. Identical with HST 332. Cannot receive credit for both AAS 332 and HST 332.

Recommended Prerequisite: HST 122 or AAS 100.

Lecture contact hours: 3

Typically offered: Demand

AAS 333 - Peoples and Cultures of Africa

Credit Hours: 3
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. Identical with ANT 332. Cannot receive credit for both AAS 333 and ANT 332.

Lecture contact hours: 3

Typically offered: Demand

AAS 334 - Conflict and Peace Building in Africa

Credit Hours: 3
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. Identical with HST 334. Cannot receive credit for both AAS 334 and HST 334.

Recommended Prerequisite: HST 103 or HST 104 or HST 121 or AAS 100.

Lecture contact hours: 3

Typically offered: Demand

AAS 335 - African Civilization

Credit Hours: 3
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. Identical with HST 335. Cannot receive credit for both AAS 335 and HST 335.

Recommended Prerequisite: HST 103 or HST 104.

Lecture contact hours: 3

Typically offered: Demand

AAS 336 - Race and Ethnicity

Credit Hours: 3
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. Identical with SOC 336. Cannot receive credit for both AAS 336 and SOC 336.

Lecture contact hours: 3

Typically offered: Demand

AAS 338 - Sources and Methods in African History

Credit Hours: 3
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. Identical with HST 338. Cannot receive credit for both AAS 338 and HST 338.

Lecture contact hours: 3

Typically offered: Demand

AAS 339 - Africa and the Wider World

Credit Hours: 3
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. Identical with HST 339. Cannot receive credit for both AAS 339 and HST 339.

Recommended Prerequisite: HST 103 or HST 104 or HST 121 or AAS 100.

Lecture contact hours: 3

Typically offered: Demand

AAS 345 - Enslavement in the Atlantic World

Credit Hours: 3
This course examines various social, political, and economic developments of enslaved 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. Identical with HST 345. Cannot receive credit for both AAS 345 and HST 345.

Recommended Prerequisite: HST 103 or HST 104; and HST 121 or AAS 100.

Lecture contact hours: 3

Typically offered: Demand

AAS 346 - African American Religious Experience

Credit Hours: 3
Explores the establishment and maintenance of African American religious institutions, particularly the Black Churches and their future development. Identical with REL 345. Cannot receive credit for both AAS 346 and REL 345.

Recommended Prerequisite: REL 131.

Lecture contact hours: 3

Typically offered: Demand

AAS 355 - African American Literature

Credit Hours: 3
Survey of representative works of fiction, poetry, drama, and creative nonfiction in the context of social and cultural movements. Identical with ENG 355. Cannot receive credit for both AAS 355 and ENG 355.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Spring

AAS 363 - Introduction to African Literature

Credit Hours: 3
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. Identical with ENG 363. Cannot receive credit for both AAS 363 and ENG 363.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Demand

AAS 397 - Topics in African American Studies

Credit Hours: 1-3
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 six hours, provided that the topic is different.

Prerequisite: permission.
Typically offered: Demand

AAS 455 - African American Drama

Credit Hours: 3
Study of African American drama from the antebellum period to the present, with emphasis on the intersections of dramatic art and such social and cultural movements as abolitionism, the Harlem Renaissance, and the Black Arts Movement. Identical with ENG 455. Cannot receive credit for both AAS 455 and ENG 455.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Demand

AAS 490 - Field Experience in Anthropology

Credit Hours: 1-6
Supervised group study and/or research in an off campus setting. A fee may be charged to cover travel expenses. Identical with ANT 490. Cannot receive credit for both AAS 490 and ANT 490. Variable content course. May be repeated when topic changes.

Prerequisite: permission of instructor.
Typically offered: Demand

AAS 497 - Directed Reading

Credit Hours: 1-3
Analysis of various topics in African American Studies not covered in regular courses. Variable content course. May be repeated to a maximum of six hours, provided that the topic is different.

Prerequisite: permission.
Typically offered: Demand

AAS 531 - African American Leaders and Movements

Credit Hours: 3
Study of African American leaders and movements in the United States, with emphasis on the period since World War II. Identical with HST 531. Cannot receive credit for both AAS 531 and HST 531.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

AAS 532 - History of Ancient Egypt

Credit Hours: 3
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. Identical with HST 532. Cannot receive credit for both AAS 532 and HST 532. May be taught concurrently with HST 632. Cannot receive credit for both HST 532 and HST 632.

Recommended Prerequisite: HST 103.

Lecture contact hours: 3

Typically offered: Demand

AAS 550 - Modern African Politics

Credit Hours: 3
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. Identical with PLS 550. Cannot receive credit for both AAS 550 and PLS 550.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours

Lecture contact hours: 3

Typically offered: Fall

Accounting

ACC 109 - The Accounting Cycle

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

ACC 121 - Individual Tax Return Preparation

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

ACC 201 - Introduction to Financial Accounting

Credit Hours: 3
Methods and procedures employed in financial accounting with emphasis on development and interpretation of financial statements. A B grade or better is required to take ACC 301 or ACC 321.

Prerequisite: completion of 12 hours; and the General Education Focus on Quantitative Literacy requirement with a C grade or better.
Lecture contact hours: 3

Typically offered: Fall, Spring

ACC 206 - Accounting Choices and Methods

Credit Hours: 4
Comprehensive and accelerated examination of alternative accounting models, including electronic spreadsheet models, and their uses. Replaces ACC 201 and ACC 211 for Honors College students. Cannot be taken Pass/Not Pass.

Prerequisite: UHC 110.
Lecture contact hours: 4

Typically offered: Fall, Spring

ACC 209 - Accounting Applications for Microcomputers

Credit Hours: 1
Use of the microcomputer and electronic spreadsheets to master the basic accounting cycle.

Lecture contact hours: 1

Typically offered: Demand

ACC 211 - Introduction to Managerial Accounting

Credit Hours: 3
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. Cannot be taken Pass/Not Pass.

Prerequisite: ACC 201.
Lecture contact hours: 3

Typically offered: Fall, Spring

ACC 297 - Topics in Accounting

Credit Hours: 1-3
A variable content course with topics that can change from semester to semester. Topics are identified by title in the schedule of classes.

Typically offered: Demand

ACC 300 - Professionalism in Accountancy

Credit Hours: 3
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. Research assignments are required

Prerequisite: B- grade or better in ACC 201 and ACC 211, or B- grade or better in ACC 206, or B- grade or better in ACC 600; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ACC 301 - Intermediate Accounting I

Credit Hours: 3
Financial Accounting Theory applications to the accounting process of corporations. Review of financial statements; accounting for current and long-term assets. Cannot be taken Pass/Not Pass. Research assignments are required. May be taught concurrently with ACC 601. Cannot receive credit for both ACC 301 and ACC 601.

Prerequisite: C grade or better in MTH 134 or higher or concurrent enrollment with a C grade or better in MTH 134 to progress in the program; and B- grade or better in ACC 201 or ACC 206 or ACC 600; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ACC 302 - Intermediate Accounting II

Credit Hours: 3
Continuation of intermediate accounting. Accounting for liabilities and equity. Cannot be taken Pass/Not Pass. Research assignments are required. May be taught concurrently with ACC 602. Cannot receive credit for both ACC 302 and ACC 602.

Prerequisite: C grade or better in ACC 301 ; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ACC 311 - Managerial Cost Accounting

Credit Hours: 3
Function of cost accounting; means and methods of its applications in specific accounting situations. May be taught concurrently with ACC 610. Cannot receive credit for both ACC 311 and ACC 610.

Prerequisite: C grade or better in ACC 211 or ACC 206 or ACC 600; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ACC 321 - Tax Accounting I

Credit Hours: 3
Principles of income tax accounting; current laws and income tax problems of individuals. Cannot be taken Pass/Not Pass. Research assignments are required. May be taught concurrently with ACC 620. Cannot receive credit for both ACC 321 and ACC 620.

Prerequisite: B- grade or better in ACC 201 or ACC 206 or ACC 600; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ACC 341 - Accounting and Management Information Systems

Credit Hours: 3
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. May be taught concurrently with ACC 640. Cannot receive credit for both ACC 341 and ACC 640. Cannot be taken Pass/Not Pass.

Prerequisite: C grade or better in ACC 301 ; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ACC 394 - Cooperative Education in Accounting

Credit Hours: 3
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.

Prerequisite: permission of the School of Accountancy Director; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

ACC 397 - Topics in Accounting

Credit Hours: 1-3
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.

Prerequisite: undergraduate business majors must be admitted to degree program.
Typically offered: Demand

ACC 421 - Volunteer Income Tax Assistance VITA

Credit Hours: 1
Field work in the preparation of individual income tax return (state and federal) covering topics of gross income, deductions and credits.

Prerequisite: C grade or better in ACC 321; and undergraduate business majors must be admitted to degree program.
Lab contact hours: 2

Typically offered: Spring

ACC 422 - Advanced Volunteer Income Tax Assistance VITA

Credit Hours: 1
Experience in the planning and scheduling of the VITA program and provides final review of actual income tax returns prepared under field conditions.

Prerequisite: undergraduate business majors must be admitted to degree program.
Lab contact hours: 2

Typically offered: Spring

ACC 494 - Internship in Accounting

Credit Hours: 3
Internship experience in an organization emphasizing public, managerial or not-for-profit accounting.

Prerequisite: permission of the School of Accountancy Director; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

ACC 496 - Readings in Business Administration-Accounting

Credit Hours: 1-2
Planned readings designed to intensify and supplement the area of accounting.

Prerequisite: permission of the School of Accountancy Director; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

ACC 504 - Advanced Accounting

Credit Hours: 3
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 604. Cannot receive credit for both ACC 504 and ACC 604.

Prerequisite: C grade or better in ACC 302; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ACC 506 - International Accounting

Credit Hours: 3
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.

Prerequisite: C grade or better in ACC 302; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ACC 513 - Managerial Cost Accounting II

Credit Hours: 3
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.

Prerequisite: C grade or better in ACC 311; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

ACC 524 - Tax Accounting II

Credit Hours: 3
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.

Prerequisite: C grade or better in ACC 321 within the last five years, or C grade or better in ACC 321 with evidence of relevant and substantial work experience involving U.S. income tax rules within the last five years; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ACC 525 - Individual Income Tax Assistance

Credit Hours: 3
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 U.S. tax policy. May be taught concurrently with ACC 625. Cannot receive credit for both ACC 525 and ACC 625.

Prerequisite: C grade or better in ACC 321; and permission of instructor; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Spring

ACC 542 - Data Analytics in Accounting

Credit Hours: 3
This course introduces students to data analytics tools and techniques in accounting. Topics include: statistical techniques, data analysis, and visualization. This course uses Microsoft Excel, Tableau, and other data analysis software to implement and apply applications of these concepts and techniques. May be taught concurrently with ACC 642. Cannot receive credit for both ACC 542 and ACC 642.

Prerequisite: C grade or better in ACC 301 ; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ACC 553 - Auditing

Credit Hours: 3
Kinds of audits, the duties and obligations of the auditor, principles and procedures to be followed in conducting an audit. 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.

Prerequisite: C grade or better in ACC 302 and ACC 311 and ACC 321 and ACC 341 ; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ACC 555 - Internal Auditing

Credit Hours: 3
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 555 and ACC 655.

Prerequisite: C grade or better in ACC 341; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ACC 556 - Operational Auditing

Credit Hours: 3
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 556 and ACC 656.

Prerequisite: 60 hours; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ACC 596 - Research Issues and Problems: Accounting

Credit Hours: 3
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 596 and ACC 695.

Prerequisite: permission of the School of Accountancy Director; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

Agricultural Business

AGB 144 - Agricultural Economics I

Credit Hours: 4
CORE 42: MOTR number ECON 102A - Introduction to Microeconomics (Agricultural Economics).

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.

Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

Access the CORE 42 Portal

AGB 314 - Legal Aspects of Agriculture

Credit Hours: 3
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. May be taught concurrently with AGB 644. Cannot receive credit for both AGB 314 and AGB 644.

Recommended Prerequisite: 30 hours.

Lecture contact hours: 3

Typically offered: Fall

AGB 334 - Marketing Agricultural Products

Credit Hours: 3
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.

Recommended Prerequisite: AGB 144 or ECO 165.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring, Summer

AGB 344 - Financing Agriculture

Credit Hours: 3
Capital requirements and sources and uses of each type of credit.

Recommended Prerequisite: AGB 144.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGB 354 - Land Economics

Credit Hours: 2
Principles and institutions affecting the allocation of land resources among uses and users.

Recommended Prerequisite: AGB 144.

Lecture contact hours: 2

Typically offered: Summer

AGB 364 - Introduction to Agricultural Risk Management: Commodity Futures and Options

Credit Hours: 3
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.

Recommended Prerequisite: AGB 334.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGB 374 - Agricultural Business Management

Credit Hours: 3
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.

Recommended Prerequisite: AGB 144.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGB 384 - Agricultural Selling

Credit Hours: 2
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.

Recommended Prerequisite: AGB 334.

Lecture contact hours: 2

Typically offered: Fall, Spring

AGB 394 - Agricultural Industry Study

Credit Hours: 1
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.

Prerequisite: concurrent enrollment in AGB 494 for 1 credit hour; completion of 60 hours including 6 hours in agricultural business; and permission of instructor.
Lab contact hours: 2

Typically offered: Spring, Summer

AGB 399 - Special Topics in Agribusiness, Education and Communications

Credit Hours: 1-3
Special study in an identified area of agricultural business, education or communications not treated in other courses. Variable content course. May be repeated to a maximum of 12 hours provided the same topic is not duplicated.

Typically offered: Demand

AGB 444 - American Agricultural Policy

Credit Hours: 3
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 U.S. agricultural trade.

Recommended Prerequisite: AGB 144.

Lecture contact hours: 3

Typically offered: Fall

AGB 494 - Problems in Agricultural Business

Credit Hours: 1-3
Student selects a specific topic, prepares an outline, makes an investigation and presentation under the supervision of an agricultural business staff member.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

AGB 499 - Internship in Agribusiness, Agricultural Education and Communication

Credit Hours: 1-8
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.

Typically offered: Fall, Spring, Summer

AGB 514 - International Agricultural Trade

Credit Hours: 3
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 514 and AGB 614.

Prerequisite: AGB 334 or MKT 350.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

AGB 524 - Agricultural Prices

Credit Hours: 3
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 524 and AGB 624.

Prerequisite: AGB 334.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGB 534 - Production Economics

Credit Hours: 3
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.

Prerequisite: AGB 144.
Lecture contact hours: 3

Typically offered: Spring

AGB 554 - Agricultural Industry Study

Credit Hours: 2
A five-day study of Missouri agricultural businesses to examine the management process of a variety of management structures. May be repeated for up to four hours if traveling to a different location. May be taught concurrently with AGB 654. Cannot receive credit for both AGB 554 and AGB 654.

Prerequisite: 60 hours including 6 hours of AGB courses; and permission of instructor.
Typically offered: Spring, Summer

AGB 574 - Advanced Agricultural Risk Management

Credit Hours: 3
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.

Recommended Prerequisite: AGB 364.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

AGB 584 - Farm Business Management

Credit Hours: 3
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 584 and AGB 684.

Prerequisite: AGB 144.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

AGB 594 - Agricultural Entrepreneurship

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

Agricultural Communications

AGC 183 - Introduction to Agricultural Communications

Credit Hours: 3
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.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall

AGC 293 - News Writing in Agriculture

Credit Hours: 3
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.

Prerequisite: ENG 110 or AGC 183.
Lecture contact hours: 3

Typically offered: Fall

AGC 303 - Event Communications for Agricultural Organizations

Credit Hours: 3
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.

Prerequisite: ENG 110 and AGR 320 (or Writing II equivalent).
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

AGC 313 - Feature Writing for Agricultural Publications

Credit Hours: 3
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.

Prerequisite: ENG 110 and AGR 320 (or Writing II equivalent).
Lecture contact hours: 3

Typically offered: Fall

AGC 323 - Media in Agriculture

Credit Hours: 3
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.

Prerequisite: AGC 183 or AGR 320 (or writing II equivalent).
Lecture contact hours: 3

Typically offered: Spring

AGC 333 - Layout and Design for Agricultural Publications

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

AGC 343 - Agricultural Photography

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

AGC 373 - Online Communication for Agricultural Organizations

Credit Hours: 3
This course explores online media and communication for agricultural organizations including Web design principles, basic Web coding, and social media skills.

Lecture contact hours: 3

Typically offered: Spring

AGC 393 - Public Relations in Agriculture

Credit Hours: 3
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.

Prerequisite: ENG 110 and AGR 320 (or Writing II equivalent).
Lecture contact hours: 3

Typically offered: Fall

AGC 493 - Capstone in Agricultural Communications

Credit Hours: 3
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. May be taught concurrently with AGC 693. Cannot receive credit for both AGC 493 and AGC 693.

Prerequisite: AGC 313 and AGC 333.
Lecture contact hours: 3

Typically offered: Spring

AGC 499 - College of Agriculture Communications Internship

Credit Hours: 1
Internship course within the College of Agriculture to manage and produce digital media content. Students will apply knowledge attained in previous coursework to assist in planning and executing a communications plan and its components.

Lab contact hours: 1

Typically offered: Spring

Agricultural Education

AGE 318 - Introduction to Agricultural Education

Credit Hours: 2
Building an acquaintance with the aims, philosophy, functions, opportunities and demands of agricultural education programs.

Recommended Prerequisite: 30 hours.

Lecture contact hours: 2

Typically offered: Fall

AGE 337 - Agricultural Mechanics Practices

Credit Hours: 3
Shop processes and techniques required for the construction, repair, and maintenance of agricultural facilities and equipment.

Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall

AGE 493 - Supervised Teaching (Secondary Agriculture)

Credit Hours: 5-6
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.

Prerequisite: completion of all methods courses in Agriculture; and C grade or better in all professional education courses; and current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in AGE 494.
Corequisite: AGE 494
Typically offered: Spring

AGE 494 - Supervised Teaching (Secondary Agriculture)

Credit Hours: 5-6
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.

Prerequisite: concurrent enrollment in AGE 493.
Corequisite: AGE 493
Typically offered: Spring

AGE 498 - Problems in Agricultural Education

Credit Hours: 1-3
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.

Prerequisite: permission of instructor.
Typically offered: Demand

AGE 499 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

AGE 508 - Teaching Adults in Vocational Education

Credit Hours: 3
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. Cannot receive credit for AGV 527 and AGE 508. May be taught concurrently with AGE 608. Cannot receive credit for both AGE 508 and AGE 608.

Lecture contact hours: 3

Typically offered: Demand

AGE 518 - Agriculture Education Special Topics

Credit Hours: 1-3
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 518 and AGE 628.

Prerequisite: permission of instructor.
Typically offered: Demand

AGE 548 - Agriculture in the Classroom

Credit Hours: 1
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 548 and AGE 648.

Lecture contact hours: 1

Typically offered: Summer

AGE 558 - Teaching of Agriculture

Credit Hours: 3
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 C grade 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 558 and AGE 658.

Prerequisite: EDC 350 and SEC 302; and 20 hours in agriculture; and admission to Teacher Education.
Lecture contact hours: 3

Typically offered: Spring

AGE 568 - Course and Program Building in Agricultural Education

Credit Hours: 3
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 568 and AGE 668.

Prerequisite: AGE 318 and AGE 558; and 60 hours.
Lecture contact hours: 3

Typically offered: Spring

AGE 578 - Methods of Teaching Agricultural Management

Credit Hours: 2
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 578 and AGE 678.

Prerequisite: AGE 318 and AGE 558; and 60 hours.
Lecture contact hours: 2

Typically offered: Spring

AGE 588 - Methods of Teaching Agricultural Laboratory Management

Credit Hours: 2
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 588 and AGE 688.

Prerequisite: AGE 318 and AGE 558; and 60 hours.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring

Agricultural Natural Resources

AGN 115 - Sustainable Agriculture and the Environment

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

AGN 143 - Introductory Forestry

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

AGN 215 - Soils

Credit Hours: 3
Physical, chemical and biological activities within the soil as related to moisture, temperature, drainage, and tillage.

Recommended Prerequisite: CHM 107 or 116 or CHM 160.

Lecture contact hours: 3

Typically offered: Fall, Spring

AGN 216 - Soils Lab

Credit Hours: 1
Laboratory and computer methods for evaluation of the physical, chemical and biological properties of soil.

Recommended Prerequisite: AGN 215 or concurrent enrollment.

Lab contact hours: 2

Typically offered: Fall, Spring

AGN 323 - Intermediate Forestry

Credit Hours: 3
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.

Recommended Prerequisite: AGN 143.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

AGN 335 - Soil Conservation and Water Management

Credit Hours: 3
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.

Recommended Prerequisite: AGP 103 or AGN 115 or AGN 215.

Lecture contact hours: 3

Typically offered: Fall

AGN 336 - Dendrology and Wood Science

Credit Hours: 3
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.

Prerequisite: AGN 143.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGN 343 - Measurements and Sampling for Forest Management

Credit Hours: 4
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.

Prerequisite: AGN 143.
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Fall

AGN 345 - Forest Ecosystems

Credit Hours: 3
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.

Prerequisite: AGN 143.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

AGN 351 - Game Bird Production

Credit Hours: 2
Production and management of quail, pheasants and other game birds.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall

AGN 353 - Wildland Fire Management

Credit Hours: 2
This course 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.

Recommended Prerequisite: AGN 143.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring

AGN 405 - Soil Fertility and Plant Nutrition

Credit Hours: 3
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.

Prerequisite: AGN 215.
Lecture contact hours: 3

Typically offered: Spring

AGN 455 - Soil Genesis, Morphology and Classification

Credit Hours: 3
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.

Recommended Prerequisite: AGN 215.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

AGN 465 - Environmental Soil Science

Credit Hours: 3
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. May be taught concurrently with AGN 665. Cannot receive credit for both AGN 465 and AGN 665.

Recommended Prerequisite: AGN 215.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

AGN 495 - Problems in Plant Science and Natural Resources

Credit Hours: 1-3
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.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

AGN 543 - Silviculture

Credit Hours: 3
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.

Prerequisite: AGN 143.
Lecture contact hours: 3

Typically offered: Spring

Agricultural Plant Science

AGP 103 - Plant Science

Credit Hours: 3
An introduction to the fascinating world of plant science and plant physiology including the areas of food and ornamental crops and sustainable agriculture.

Lecture contact hours: 3

Typically offered: Fall

AGP 104 - Plant Science Laboratory

Credit Hours: 1
Provides opportunities for 'hands-on' application of concepts of plant science through the use of basic plant science research and production practices.

Prerequisite: AGP 103 or concurrent enrollment or permission of instructor.
Lab contact hours: 2

Typically offered: Fall

AGP 121 - Introduction to Wine

Credit Hours: 2
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.

Lecture contact hours: 2

Typically offered: Demand

AGP 201 - Floral Design I

Credit Hours: 1
Students create their own fresh flower designs using principles of floral design. Production, distribution, and marketing of the cut flower industry will be explored and supported through a site visit to a local flower wholesaler.

Lecture contact hours: 1

Typically offered: Fall, Spring

AGP 202 - Floral Design II

Credit Hours: 1
Students will understand expanded concepts and elements of floral design while creating their own fresh flower arrangements. Business model approaches in the floral industry will be evaluated, including planning and pricing of floral designs and events.

Lecture contact hours: 1

Typically offered: Demand

AGP 300 - Wine Appreciation for Consumers

Credit Hours: 2
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.

Prerequisite: must be 21 years of age or older.
Lecture contact hours: 2

Typically offered: Demand

AGP 303 - Suburban Horticulture

Credit Hours: 3
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.

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and BIO 111 or BIO 121.

Lecture contact hours: 3

Typically offered: Fall, Spring

AGP 323 - Plant Structure and Function

Credit Hours: 3
This course explores concepts in plant anatomy and introductory physiology to understand how plants grow and develop in their environment. The laboratory portion includes hands-on experiments in plant growth, mineral nutrition, water relations, photosynthesis, and growth regulator responses.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGP 325 - Herbaceous Plants

Credit Hours: 3
Nomenclature, identification, characteristics and cultural requirements of indoor and outdoor herbaceous ornamental plants.

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and BIO 111 or BIO 121.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGP 333 - Landscape Design

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

AGP 353 - Turf Science

Credit Hours: 3
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.

Recommended Prerequisite: AGP 103 or BIO 101 and BIO 111 or BIO 121.

Lecture contact hours: 3

Typically offered: Spring

AGP 363 - Landscape Plants

Credit Hours: 3
Identification, classification and adaptation of common trees, shrubs and groundcovers used for landscape purposes.

Recommended Prerequisite: AGP 103 or BIO 101 and BIO 111 or BIO 121.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGP 365 - Grain Crops for Food, Feed and Energy

Credit Hours: 3
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.

Prerequisite: AGP 103 or AGN 115.
Lecture contact hours: 3

Typically offered: Spring

AGP 370 - Forage Crops for Animals and the Environment

Credit Hours: 3
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.

Prerequisite: AGP 103 or AGN 115.
Lecture contact hours: 3

Typically offered: Fall

AGP 393 - Fruit Production

Credit Hours: 3
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 693. Students cannot receive credit for both AGP 393 and AGP 693.

Recommended Prerequisite: AGP 103 or BIO 101 and BIO 111 or BIO 121.

Lecture contact hours: 3

Typically offered: Fall

AGP 399 - Special Topics Plant Science

Credit Hours: 1-3
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.

Typically offered: Demand

AGP 403 - Nursery Management

Credit Hours: 3
General principles and practices involved in the commercial production, management, and marketing of landscape plants. Field trips required.

Recommended Prerequisite: AGP 363 or BIO 334 or BIO 339.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

AGP 425 - Hydroponic Systems

Credit Hours: 3
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.

Recommended Prerequisite: AGP 103 and AGP 104 and AGN 405 and AGP 453.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

AGP 433 - Advanced Landscape Design

Credit Hours: 2
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.

Prerequisite: AGP 333; and AGP 325 or AGP 363.
Lecture contact hours: 2

Typically offered: Demand

AGP 441 - Vegetable Production

Credit Hours: 3
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.

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and BIO 111 or BIO 121.

Lecture contact hours: 3

Typically offered: Spring

AGP 442 - Vegetable Production Practicum

Credit Hours: 2
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.

Prerequisite: AGP 441 or concurrent enrollment.
Recommended Prerequisite: AGP 103 or BIO 101 and BIO 111 or BIO 121.

Lab contact hours: 4

Typically offered: Spring

AGP 444 - High Tunnel Crop Production

Credit Hours: 3
Site selection, design, construction, management, and production methods of crops grown in high tunnels. Sustainable production methods are emphasized. May be taught concurrently with AGP 644. Cannot receive credit for both AGP 444 and AGP 644.

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and BIO 111 or BIO 121.

Lecture contact hours: 3

Typically offered: Spring

AGP 453 - Crop Physiology

Credit Hours: 3
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.

Prerequisite: AGP 323.
Lecture contact hours: 3

Typically offered: Spring

AGP 455 - Plant Molecular Biology

Credit Hours: 3
This course encompasses detailed coverage of nucleic acids, plant genomes, gene structure and expression, DNA replication and repair, and cell reproduction. Students will also be exposed to the major molecular underpinnings of plant survival with topics from primary literature, such as regulation of photosynthesis, nitrogen metabolism, drought response, and cold tolerance. Bioinformatics will also be introduced. May be taught concurrently with AGP 655. Cannot receive credit for both AGP 455 and AGP 655.

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and BIO 111 or BIO 121.

Lecture contact hours: 3

Typically offered: Fall

AGP 460 - Site Specific Techniques in Agriculture and Natural Resources

Credit Hours: 3
An overview of the theory and application of site-specific techniques used in agriculture and natural resources with emphasis on precision agronomy. Techniques will include: guidance systems, remote sensing, drone operation, variable rate application, and yield monitoring. May be taught concurrently with AGP 660. Cannot receive credit for both AGP 460 and AGP 660.

Recommended Prerequisite: 12 hours of AGN or AGP courses.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

AGP 485 - Weed Science

Credit Hours: 3
Identification, physiology and impacts of invasive plants and crop weeds and methods for their control in natural and agroecosystems.

Recommended Prerequisite: AGP 103 or AGN 115 or AGN 365 or AGN 370; and BIO 121 or BIO 101 and BIO 111; and either CHM 107 or CHM 116 or CHM 160.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGP 496 - Independent Study in Fruit Science

Credit Hours: 1-3
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.

Typically offered: Demand

AGP 499 - Internship in Plant Science and Natural Resources

Credit Hours: 1-8
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.

Typically offered: Fall, Spring, Summer

AGP 511 - Viticulture

Credit Hours: 3
Grapevine growth, development and adaptation of grape species and hybrids is covered. Focus is on vineyard establishment and management for wine production. Concepts relate to all wine growing regions with emphasis on grape production in the Midwest and Eastern United States. May be taught concurrently with AGP 611. Cannot receive credit for both AGP 511 and AGP 611.

Recommended Prerequisite: AGP 103.

Lecture contact hours: 3

Typically offered: Spring

AGP 513 - Insects Affecting Horticulture and Forestry Crops

Credit Hours: 3
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.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

AGP 543 - Greenhouse Management

Credit Hours: 3
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.

Recommended Prerequisite: AGP 103.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

AGP 573 - Plant Propagation

Credit Hours: 3
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.

Recommended Prerequisite: AGP 103 or BIO 101 and BIO 111 or BIO 121; CHM 107 or CHM 116 or CHM 160.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGP 575 - Plant Breeding and Genetics

Credit Hours: 2
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.

Recommended Prerequisite: AGP 103 or AGN 115.

Lecture contact hours: 2

Typically offered: Spring

AGP 576 - Plant Breeding and Genetics Lab

Credit Hours: 1
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.

Prerequisite: AGP 575 or concurrent enrollment.
Lab contact hours: 2

Typically offered: Spring

AGP 580 - Plant Biotechnology

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGP 581 - Applied Entomology

Credit Hours: 3
Principles of insect life; careful study of a number of common insect pests, their identification and control.

Lecture contact hours: 3

Typically offered: Fall

AGP 583 - Plant Pathology

Credit Hours: 3
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.

Recommended Prerequisite: 9 hours of plant science (AGP).

Lecture contact hours: 3

Typically offered: Fall

AGP 584 - Insect Identification

Credit Hours: 1
Identification of insect and other arthropod pests of crops, forest, feed, livestock and buildings, as well as beneficial insects/arthropods.

Recommended Prerequisite: AGP 581 or concurrent enrollment.

Lab contact hours: 2

Typically offered: Demand

AGP 585 - Weed Ecology and Management

Credit Hours: 3
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 685. Cannot receive credit for both AGP 585 and AGP 685.

Recommended Prerequisite: AGN 115 or AGP 103 or AGP 365 or AGP 370; and BIO 121 or BIO 101 and BIO 111; and either CHM 107 or CHM 116 or CHM 160.

Lecture contact hours: 3

Typically offered: Fall

AGP 586 - Weed Identification

Credit Hours: 1
Identification of crop, pasture and invasive weeds of mid-south central U.S. and methods for their control.

Recommended Prerequisite: AGP 585 or concurrent enrollment.

Lab contact hours: 2

Typically offered: Demand

Agriculture, General

AGR 100 - Food Security

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

AGR 108 - Topics in Agriculture

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Fall, Spring

AGR 110 - Agriculture Orientation

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Fall, Spring

AGR 118 - Leadership

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Fall

AGR 157 - Principles of Agricultural Mechanization

Credit Hours: 3
Engineering and mechanical principles; their application to agriculture equipment, systems and concepts.

Lecture contact hours: 3

Typically offered: Fall, Spring

AGR 200 - Mini Agriculture

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

AGR 250 - Agricultural Communications

Credit Hours: 2
Introduces the scope and applications of communications and journalism as they relate to agriculture.

Recommended Prerequisite: ENG 110 and COM 115.

Lecture contact hours: 2

Typically offered: Spring

AGR 299 - Special Topics

Credit Hours: 1-5
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.

Prerequisite: permission of instructor.
Typically offered: Demand

AGR 300 - Food and Agricultural Chemistry

Credit Hours: 3
Chemistry, sources and importance of biological materials used for food, fiber, and feed for man and domestic animals.

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.
Lecture contact hours: 3

Typically offered: Fall, Spring

AGR 301 - Agriculture Transfer Student Orientation

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Fall, Spring

AGR 305 - Agriculture Calculations

Credit Hours: 1
In this course, students will become familiar with mathematical concepts and calculations often encountered in upper division agriculture courses and in the agriculture industry. These include basic mathematical functions, unit conversions, percentages, scientific notation, feed conversions, algebraic equations, and more. May be repeated to a maximum of two hours.

Lecture contact hours: 1

Typically offered: Fall, Spring, Summer

AGR 313 - Beekeeping

Credit Hours: 2
Fundamentals needed for the amateur to establish and maintain honey bees and produce a surplus honey crop.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

AGR 320 - Writing in the Applied Sciences

Credit Hours: 3
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.

Prerequisite: ENG 110 and 45 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

AGR 330 - Statistical Applications in Agriculture

Credit Hours: 3
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, SPR 328, SOC 220.

Recommended Prerequisite: MTH 130 or higher.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

AGR 357 - Agricultural Power

Credit Hours: 3
Principles of operation, construction and utilization of power units.

Recommended Prerequisite: MTH 130 or higher.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGR 367 - Agricultural Machinery

Credit Hours: 3
Principles of construction, operation, selection and utilization of farm field equipment.

Recommended Prerequisite: MTH 130 or higher.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

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

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

AGR 377 - Agricultural Structures and Systems

Credit Hours: 3
Functional and structural design of unified structures and systems for agricultural enterprises.

Recommended Prerequisite: MTH 130 or higher.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

AGR 399 - Special Topics

Credit Hours: 1-3
Special study of agricultural topics not treated in other courses. Variable content course. May be repeated to a maximum of nine hours provided the same topic is not duplicated. Approved recurring course topic: Principles of Horseshoeing. Horseshoeing techniques including safe use of tools and handling of horses.

Typically offered: Demand

AGR 490 - Career Preparation in Agriculture

Credit Hours: 1
Presentation, discussions and analysis of professional and technical topics in Agriculture.

Recommended Prerequisite: 60 hours

Lecture contact hours: 1

Typically offered: Fall, Spring

AGR 499 - Internship in Agriculture

Credit Hours: 1-8
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.

Prerequisite: permission of instructor.
Typically offered: Demand

AGR 599 - International Study in Agriculture

Credit Hours: 1-3
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.

Typically offered: Demand

Animal Science

AGS 101 - Animal Science

Credit Hours: 3
An introductory course in principles of management and care of livestock and companion animals, including basic biology, genetics, nutrition, reproduction, industry structure, management practices and production systems. Concurrent enrollment in AGS 102 is recommended.

Lecture contact hours: 3

Typically offered: Fall, Spring

AGS 102 - Animal Science Laboratory

Credit Hours: 1
This laboratory course will support the concepts presented in a 100-level animal science course by offering hands-on practice of the various skills used in animal based agriculture.

Lab contact hours: 2

Typically offered: Fall, Spring

AGS 161 - Introduction to Horses

Credit Hours: 3
Scope and role of the horse industry. Responsibilities of ownership; selection, breeds-development and uses; basic care-nutrition, health care, conditioning; and facilities.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGS 162 - Introduction to Riding

Credit Hours: 1
This is an introductory course with a focus on safe and effective techniques for both English and Western riding. Students that ride must not exceed 20% of the horse's weight and must be able to lift 50 lbs. Students are responsible for transportation. May be repeated to a maximum of two hours.

Lab contact hours: 2

Typically offered: Fall, Spring, Summer

AGS 163 - Introduction to Hunt Seat Equestrian Competition

Credit Hours: 1
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.

Prerequisite: AGS 162 or permission of instructor.
Lab contact hours: 2

Typically offered: Fall, Spring, Summer

AGS 164 - Introduction to Stock Seat Equestrian Competition

Credit Hours: 1
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.

Prerequisite: AGS 162 or permission of instructor.
Lab contact hours: 2

Typically offered: Fall, Spring, Summer

AGS 185 - Introduction to Companion Animal Science

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

AGS 191 - Evaluation and Performance Appraisal of Horses

Credit Hours: 2
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.

Lab contact hours: 4

Typically offered: Demand

AGS 196 - Dairy and Meat Animal Evaluation

Credit Hours: 2
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.

Lab contact hours: 4

Typically offered: Fall

AGS 251 - Introduction to the Beef Industry

Credit Hours: 2
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.

Prerequisite: AGS 101.
Lecture contact hours: 2

Typically offered: Spring

AGS 262 - Introduction to Riding II

Credit Hours: 2
This is an intermediate-level riding course with a focus on developing more advanced skills for riding horses. Students may ride hunt seat, stock seat, or both seats during the semester. Students that ride must not exceed 20% of the horse's weight and must be able to lift 50 lbs. Students are responsible for transportation to the Darr Center.

Prerequisite: AGS 162 or permission of instructor.
Lab contact hours: 4

Typically offered: Fall, Spring, Summer

AGS 263 - Intermediate Hunt Seat Equestrian Competition

Credit Hours: 1
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.

Prerequisite: permission of instructor.
Recommended Prerequisite: AGS 163.

Lab contact hours: 2

Typically offered: Fall, Spring, Summer

AGS 264 - Intermediate Stock Seat Equestrian Competition

Credit Hours: 1
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.

Prerequisite: permission of instructor.
Recommended Prerequisite: AGS 163 or AGS 164.

Lab contact hours: 2

Typically offered: Fall, Spring, Summer

AGS 301 - Physiology of Farm Animals

Credit Hours: 3
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.

Recommended Prerequisite: AGS 101 and BIO 101 and BIO 111 and CHM 116 and CHM 117.

Lecture contact hours: 3

Typically offered: Spring

AGS 302 - Reproductive Physiology

Credit Hours: 3
Physiological principles of reproductive processes in domestic animals (production and companion) including sperm and ova production, estrus, fertilization, gestation, and parturition.

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.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGS 306 - Veterinary Science

Credit Hours: 3
Functional anatomy, diseases and parasites of farm animals; sanitation; disease prevention and control.

Recommended Prerequisite: AGS 101.

Lecture contact hours: 3

Typically offered: Fall

AGS 310 - Animal Nutrition

Credit Hours: 3
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.

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.
Lecture contact hours: 3

Typically offered: Fall

AGS 311 - Feeds and Feeding

Credit Hours: 3
Feedstuff composition and formulation of rations and feeding management of livestock and companion animals.

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.
Lecture contact hours: 3

Typically offered: Fall, Spring

AGS 316 - Animal Breeding

Credit Hours: 3
Principles of heredity applied to the improvement of farm animals; variation, selection, inbreeding and crossbreeding.

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.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGS 341 - Food Safety

Credit Hours: 3
This course will help students develop an understanding of the role of chemical, microbial, and biological safety of food from farm production units through processing and shipping. Students will learn the principles of sanitation, inspection, and regulations as well as current and emerging concerns in the area of public health and food safety. Lab will reinforce information covered in lecture. Hands on activities will help facilitate the reinforcement of material.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

AGS 342 - Meat Science and Products

Credit Hours: 2
Processing, inspection, grading, preservation and nutritive value of meats and meat products.

Recommended Prerequisite: AGS 101 and either CHM 116 and CHM 117 or CHM 160.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall

AGS 346 - Dairy Products

Credit Hours: 2
Processing, inspection, grading, preservation and nutritional value of dairy products.

Recommended Prerequisite: AGS 101 and either CHM 116 and 117 or CHM 160.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring

AGS 361 - Horse Management and Training

Credit Hours: 3
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.

Recommended Prerequisite: AGS 161 or previous experience with horses.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring, Summer

AGS 362 - Riding Instruction

Credit Hours: 2
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.

Prerequisite: AGS 162.
Lab contact hours: 4

Typically offered: Spring

AGS 363 - Advanced Hunt Seat Equestrian Competition

Credit Hours: 1
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.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Fall, Spring, Summer

AGS 364 - Advanced Stock Seat Equestrian Competition

Credit Hours: 1
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.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Fall, Spring, Summer

AGS 365 - Equine-assisted Activities and Therapies

Credit Hours: 2
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.

Recommended Prerequisite: AGS 162 or AGS 262 or experience handling horses.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring

AGS 366 - Livestock Enterprise Management

Credit Hours: 3
This course will provide students, especially those pursuing an Animal Science major or Equine Studies minor, an opportunity to learn and apply concepts of livestock nutrition, handling, care, and business management that will be pertinent to their success within the professional livestock industry. Course will focus on the relationship between the livestock and business concepts of operating a livestock facility. Course will be primarily lecture with hands-on activities to help demonstrate concepts and reinforce comprehension of material.

Prerequisite: AGS 101 or permission of the instructor; and MTH 130 or greater or AGR 305.
Lecture contact hours: 3

Typically offered: Fall, Spring

AGS 385 - Companion Animal Nutrition and Reproduction

Credit Hours: 3
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.

Recommended Prerequisite: AGS 185.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

AGS 386 - Companion Animal Health

Credit Hours: 3
Gain a basic understanding of the animal immune system and overall influence of management on maintaining healthy populations of companion animals. Course will focus on common diseases and disorders of dogs, cats, and common pocket pets. Discussion of preventative medicine and management of companion animals will focus pet, shelter, research, and breeding populations. Cannot be taken Pass/Not Pass.

Lecture contact hours: 2 **Lab contact hours:** 1

Typically offered: Fall

AGS 389 - Companion Animals in Society

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

AGS 391 - Animal Industry Tour

Credit Hours: 2
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.

Lecture contact hours: 2

Typically offered: Demand

AGS 396 - Advanced Dairy and Meat Animal Evaluation

Credit Hours: 2
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.

Recommended Prerequisite: AGS 196.

Lab contact hours: 4

Typically offered: Spring

AGS 399 - Special Topics in Animal Science

Credit Hours: 3
Special study of animal science topics not treated in other courses. Variable content course. May be repeated to a maximum of 12 hours provided the same topic is not duplicated.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

AGS 402 - Applied Reproductive Techniques

Credit Hours: 2
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.

Prerequisite: AGS 302.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall, Spring

AGS 432 - Sheep and Goat Science

Credit Hours: 3
Applications of the principles of nutrition, physiology and genetics to sheep and goat management. Wool and mohair production.

Recommended Prerequisite: AGB 144 and AGN 115 and AGS 301 and AGS 311.

Lecture contact hours: 3

Typically offered: Spring

AGS 442 - Swine Science

Credit Hours: 3
Applications of the principals of nutrition, physiology and genetics of swine management.

Recommended Prerequisite: AGS 311.

Lecture contact hours: 3

Typically offered: Fall

AGS 446 - Dairy Production

Credit Hours: 3
Efficient dairy farm enterprise organization, feed supplies, economical rations, breeding record analysis, labor-saving buildings and equipment, herd replacements, health and other management problems.

Recommended Prerequisite: AGS 311.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall Even

AGS 451 - Poultry Science

Credit Hours: 3
Broiler production, market turkey production, egg production and processing of poultry products.

Recommended Prerequisite: AGS 101.

Lecture contact hours: 3

Typically offered: Fall

AGS 452 - Cow-Calf Production

Credit Hours: 3
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.

Prerequisite: AGS 101 or AGB 144 or AGN 115 or AGP 103; and 60 hours.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

AGS 453 - Stocker and Feedlot Cattle Production

Credit Hours: 3
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.

Prerequisite: AGS 101 or AGB 144 or AGN 115 or AGP 103; and 60 hours.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGS 461 - Equine Nutrition and Physiology

Credit Hours: 3
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.

Recommended Prerequisite: AGS 310; or AGS 311 and AGS 301 or AGS 302.

Lecture contact hours: 3

Typically offered: Spring

AGS 462 - Equine Reproductive Management

Credit Hours: 1
Students will learn the physiology of reproduction in the equine. To enhance learning, students will gain hands-on experience in semen collection and processing, artificial insemination, estrous cycle manipulation and foaling management.

Prerequisite: AGS 302 or permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 1

Typically offered: Spring, Summer

AGS 485 - Companion Animal Management and Behavior

Credit Hours: 3
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.

Prerequisite: AGS 385.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

AGS 492 - Problems in Animal Science

Credit Hours: 1-3
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.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

AGS 496 - Ranch Management Experience

Credit Hours: 3-6
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.

Prerequisite: 46 hours and permission of instructor.
Typically offered: Fall, Spring, Summer

AGS 497 - Animal Science Undergraduate Capstone Project

Credit Hours: 3
Students, working closely with an animal science faculty member, will demonstrate the capacity to synthesize and apply information, and demonstrate analytical, practical, and interpretive skills by completing a robust management plan for a livestock or companion animal operation. The plan will include health care, nutrition, reproduction, marketing, acquisition of property, facilities and equipment, labor, and financial analysis. In addition, students will complete a written report to include how the operation addresses at least two elements of the MSU public affairs mission.

Prerequisite: 90 hours; AGS 101 and AGS 102; and at least three of the following; AGS 301, AGS 302, AGS 306, AGS 310, AGS 311, AGS 316, AGS 366, AGS 432, AGS 452, AGS 453, AGS 461, AGS 485.
Typically offered: Fall, Spring, Summer

AGS 498 - Animal Science Undergraduate Research Experience

Credit Hours: 3
This is a research project conducted under the supervision of a faculty member to enhance an undergraduate curriculum in animal science. Students will participate in one of two experiences which can include: 1) assisting with a research project under the supervision of a faculty member, 2) conducting an undergraduate research project under the supervision of a faculty member. Forty hours of participation are required per credit hour. Students will complete a written report of the experience and a presentation of results to include statistical analysis and importance of information to animal agriculture and two elements of the MSU public affairs mission.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

AGS 499 - Animal Industry Internship

Credit Hours: 1-6
Course will integrate class experience with actual practice and provide students with hands-on experience in livestock or companion animal enterprises or agencies which employ animal science majors. Students are required to complete 80 hours of experience for paid internships or 40 hours for non-paid internships per credit hour enrolled. Students are expected to complete a daily log of activities, a summary paper, and a summary presentation. Internship hours may not be granted for enterprises the student is previously involved with such as prior/currently held employment positions or enterprises owned and operated by family or other relations. Variable content course. May be repeated for a maximum of six hours.

Prerequisite: 60 hours; AGS 101 and AGS 102; and at least two of the following; AGS 301, AGS 302, AGS 310, AGS 311, AGS 316.
Typically offered: Fall, Spring, Summer

AGS 511 - Animal Nutrition and Metabolism

Credit Hours: 3
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 511 and AGS 611.

Prerequisite: C- or better in AGR 300 or CHM 201; and C- or better in AGS 310 or CHM 352.
Lecture contact hours: 3

Typically offered: Spring

Technology Education

AGT 416 - Principles of Teaching Industrial Education

Credit Hours: 3
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 C grade or better is required in this course in order to take AGT 493 or AGT 494. Cannot be taken Pass/Not Pass.

Prerequisite: EDC 150 and SEC 302; and 60 hours; and admitted Teacher Education or teacher certification.
Lecture contact hours: 3

Typically offered: Fall

AGT 420 - Technology Education for the Classroom

Credit Hours: 2
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 C grade or better is required in this course in order to take AGT 493 or AGT 494. Cannot be taken Pass/Not Pass.

Prerequisite: AGT 416 or concurrent enrollment; EDC 150 and SEC 302; and 60 hours; and admitted to Teacher Education or teacher certification.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall

AGT 493 - Supervised Teaching (Secondary Technology)

Credit Hours: 6
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 in this course, the student's professional portfolio must meet or exceed final criteria. Course will not count toward the major GPA.

Prerequisite: completion of all method courses in Technology; a C grade or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in AGT 494.
Corequisite: AGT 494
Typically offered: Spring

AGT 494 - Supervised Teaching (Secondary Technology)

Credit Hours: 6
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.

Prerequisite: concurrent enrollment in AGT 493.
Corequisite: AGT 493
Typically offered: Spring

AGT 499 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

AGT 521 - Selection and Organization of Industrial Education

Credit Hours: 3
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 521 and AGT 621.

Prerequisite: AGT 416 or concurrent enrollment; and AGT 420 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall

Agricultural Vocational

AGV 520 - Occupational Analysis

Credit Hours: 1-2
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 520 and AGV 620.

Typically offered: Demand

AGV 521 - Selection and Organization of Industrial Education

Credit Hours: 3
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 521 and AGV 621.

Lecture contact hours: 3

Typically offered: Demand

AGV 522 - Philosophy of Vocational Education

Credit Hours: 1-3
Philosophical foundations of vocational education; philosophies of vocational education in the contemporary school. 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 522 and AGV 622.

Typically offered: Demand

AGV 523 - Guidance for Vocational Development

Credit Hours: 1-3
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 523 and AGV 623.

Typically offered: Demand

AGV 525 - Organization and Management in Vocational Education

Credit Hours: 3
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 525 and AGV 625.

Lecture contact hours: 3

Typically offered: Demand

AGV 526 - Coordination of Cooperative Education

Credit Hours: 1-2
Problems and procedures in organizing and operating part-time cooperative and evening occupation programs. 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 526 and AGV 626.

Typically offered: Demand

AGV 527 - Teaching Adults in Vocational Education

Credit Hours: 3
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. Cannot receive credit for AGV 527 and AGE 508. May be taught concurrently with AGV 627. Cannot receive credit for both AGV 527 and AGV 627.

Lecture contact hours: 3

Typically offered: Demand

AGV 528 - Measurement and Evaluation of Vocational Education Programs

Credit Hours: 1-3
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 approval of school provided the same topic is not duplicated. May be taught concurrently with AGV 628. Cannot receive credit for both AGV 528 and AGV 628.

Typically offered: Demand

AGV 576 - Teaching of Industrial/Vocational Subjects

Credit Hours: 3
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 576 and AGV 676.

Lecture contact hours: 3

Typically offered: Demand

Anthropology

ANT 100 - World Cultures

Credit Hours: 3
General Education Course: Focus on Cultural Competence **CORE 42:** MOTR number ANTH 201 - Cultural Anthropology.

An exploration of cultural differences throughout the world, with emphasis on nonwestern societies, from the perspective of cultural anthropology.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

ANT 125 - Exploring Our Human Ancestry

Credit Hours: 3
General Education Course: Focus on Social and Behavioral Sciences **CORE 42:** MOTR number ANTH 101 - General Anthropology.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

ANT 303 - Cultural Anthropology

Credit Hours: 3
CORE 42: MOTR number ANTH 201 - 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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

ANT 304 - Biological Anthropology

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

ANT 305 - Introduction to Archaeology

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

ANT 306 - Linguistic Anthropology

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

ANT 309 - Service-Learning in Anthropology

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in an anthropology course designated as a service-learning offering.
Typically offered: Fall, Spring

ANT 312 - Anthropology of Gender

Credit Hours: 3
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. Identical with AAS 312. Cannot receive credit for both ANT 312 and AAS 312.

Prerequisite: ANT 100 or ANT 303 or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

ANT 313 - Volunteering and Development in the Global South: Anthropological Perspectives

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

ANT 314 - Environmental Anthropology

Credit Hours: 3
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.

Prerequisite: ANT 100 or ANT 303.
Lecture contact hours: 3

Typically offered: Demand

ANT 315 - Anthropology of Globalization

Credit Hours: 3
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.

Prerequisite: ANT 100 or ANT 303 or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

ANT 316 - Ends of Life

Credit Hours: 3
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 U.S. society deals with death and dying today.

Prerequisite: ANT 100 or ANT 303 or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

ANT 317 - Medical Anthropology

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

ANT 318 - Anthropology of Tourism

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

ANT 320 - Ethnography

Credit Hours: 3
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.

Prerequisite: ANT 100 or ANT 303.
Lecture contact hours: 3

Typically offered: Demand

ANT 321 - Ethnographic Field School

Credit Hours: 3-6
Field experience in the techniques, methods, and theories of ethnographic research within a community. Variable content course. May be repeated to a maximum of nine hours.

Prerequisite: ANT 100 or ANT 303 ; and permission.
Typically offered: Demand

ANT 325 - North American Indian Cultures

Credit Hours: 3
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.

Prerequisite: ANT 100 or ANT 303.
Lecture contact hours: 3

Typically offered: Demand

ANT 326 - Plains Indian Cultures

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

ANT 327 - North American Indians Today

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

ANT 330 - Peoples and Cultures

Credit Hours: 1-3
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. Identical with AAS 330. Cannot receive credit for both ANT 330 and AAS 330. Variable content course. May be repeated when topic changes.

Typically offered: Demand

ANT 332 - Peoples and Cultures of Africa

Credit Hours: 3
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. Identical with AAS 333. Cannot receive credit for both ANT 332 and AAS 333.

Lecture contact hours: 3

Typically offered: Demand

ANT 334 - Peoples and Cultures of Japan

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

ANT 336 - Peoples and Cultures of Latin America

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

ANT 338 - Peoples and Cultures of Oceania

Credit Hours: 3
An overview of the peoples and cultures of Oceania. Explores culture, politics, economics, race, ethnicity, religion, gender, health, popular culture, social movements, environmental issues, historical developments, and global positioning of the region from an anthropological perspective.

Lecture contact hours: 3

Typically offered: Demand

ANT 340 - Archaeology of Complex Societies

Credit Hours: 3
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.

Prerequisite: ANT 305 or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

ANT 342 - Hunters and Gatherers

Credit Hours: 3
Explores past and present hunter-gatherer (non-agricultural) societies through all subfields of anthropology, especially cultural anthropology and archaeology. Topics include subsistence, technology, gender, social organization, religion, environmental sustainability, the cultural sustainability of contemporary hunter-gatherers, popular stereotypes, and the history of anthropological approaches to hunter-gatherers. Uses case studies from diverse regions such as Australia, Africa, Asia, Europe, and the Americas.

Prerequisite: 30 hours or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

ANT 345 - Historical Archaeology

Credit Hours: 3
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.

Prerequisite: ANT 305.
Lecture contact hours: 3

Typically offered: Demand

ANT 347 - Archaeology of the Southwest

Credit Hours: 3
A broad introduction to the archaeology and the peoples, past and present, of the greater southwest. The course covers the history of archaeological research in the region, one of the most intensively studied in the world. It traces cultural developments from the earliest evidence of humans in the Americas in the late Pleistocene through the adoption of farming, the emergence of regional systems, the population movements that culminated in the formation of today's indigenous communities, and the major changes brought on by Spanish colonization and the eventual conquest of much of the region by the United States.

Lecture contact hours: 3

Typically offered: Demand

ANT 351 - Field Archaeology

Credit Hours: 3-6
Field experience in the techniques, methods and theories of reconnaissance and excavation of archaeological sites. May be repeated to a maximum of nine hours.

Prerequisite: ANT 125 or ANT 305; and permission.
Typically offered: Demand

ANT 355 - Environmental Archaeology

Credit Hours: 3
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.

Prerequisite: ANT 305 or BIO 122 or GLG 110 or GLG 114 or GRY 108 or GRY 142.
Lecture contact hours: 3

Typically offered: Demand

ANT 360 - North American Archaeology

Credit Hours: 3
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.

Prerequisite: ANT 305.
Lecture contact hours: 3

Typically offered: Demand

ANT 361 - Research Methods in Biological Anthropology

Credit Hours: 3
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.

Prerequisite: ANT 304 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Demand

ANT 363 - Survey of Forensic Anthropology

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

ANT 365 - Human Variation

Credit Hours: 3
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.

Prerequisite: ANT 304, or BIO 101 and BIO 111, or BIO 121, or BMS 100 and BMS 101, or BMS 110 and BMS 111.
Lecture contact hours: 3

Typically offered: Demand

ANT 370 - The Living Primates

Credit Hours: 3
An introduction to the human species' closest relatives, the nonhuman primates (prosimians, monkeys, and apes); their taxonomy, distribution, morphology, ecology, evolution, behavior, and conservation.

Prerequisite: ANT 304 or BIO 122 or PSY 336.
Lecture contact hours: 3

Typically offered: Demand

ANT 375 - Human Evolution

Credit Hours: 3
An exploration into the evolution of the human species, through examination of fossil and molecular evidence.

Prerequisite: ANT 304 or BIO 122.
Lecture contact hours: 3

Typically offered: Demand

ANT 380 - Language and Culture

Credit Hours: 3
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.

Prerequisite: ANT 306 or ENG 296.
Lecture contact hours: 3

Typically offered: Spring

ANT 390 - Native American Code Talkers

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

ANT 395 - History of Anthropological Theory

Credit Hours: 3
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.

Prerequisite: ANT 303 and 60 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

ANT 397 - Special Topics

Credit Hours: 1-3
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.

Typically offered: Demand

ANT 400 - Action Anthropology

Credit Hours: 3
A survey of social activism and advocacy in anthropology. Course will cover anthropological approaches to studying social problems, learning about the diverse perspectives of stakeholder communities, and working to resolve real world issues in an informed way. Includes issue-based discussions with local activists and a hands-on component focused on addressing local social issues.

Lecture contact hours: 3

Typically offered: Demand

ANT 490 - Field Experience in Anthropology

Credit Hours: 1-6
Supervised group study and/or research in an off campus setting. A fee may be charged to cover travel expenses. Identical with AAS 490. Cannot receive credit for both ANT 490 and AAS 490. Variable content course. May be repeated when topic changes.

Prerequisite: permission of instructor.
Typically offered: Demand

ANT 499 - Internship in Anthropology

Credit Hours: 1-6
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.

Prerequisite: 18 hours of ANT and permission of instructor.
Typically offered: Demand

ANT 500 - Applied Cultural Anthropology

Credit Hours: 3
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.

Prerequisite: ANT 303 and 60 hours.
Lecture contact hours: 3

Typically offered: Demand

ANT 505 - Ethnohistory

Credit Hours: 3
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.

Prerequisite: ANT 303 and 60 hours.
Lecture contact hours: 3

Typically offered: Demand

ANT 511 - Ethnographic Field Methods

Credit Hours: 3
Ethnographic methods and techniques in the study of culture, with emphasis on participant-observation, interviewing, note-taking and management, data analysis, and ethics.

Prerequisite: ANT 303 and 60 hours.
Lecture contact hours: 3

Typically offered: Spring

ANT 545 - Cultural Resource Management

Credit Hours: 3
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.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ANT 550 - Advanced Methods in Archaeology

Credit Hours: 3
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.

Prerequisite: ANT 305 and 60 hours.
Lecture contact hours: 3

Typically offered: Spring

ANT 555 - Archaeological Theory

Credit Hours: 3
A comprehensive and in-depth examination of theoretical issues and perspectives concerning the practice of archaeology and the interpretation of archaeological remains.

Prerequisite: ANT 305 and 60 hours.
Lecture contact hours: 3

Typically offered: Demand

ANT 596 - Directed Readings in Anthropology

Credit Hours: 1-3
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.

Prerequisite: 6 hours of ANT and permission of instructor.
Typically offered: Fall, Spring

ANT 598 - Seminar in Anthropology

Credit Hours: 3
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.

Prerequisite: 60 hours including 3 hours of Anthropology.

Lecture contact hours: 3

Typically offered: Demand

ANT 599 - Directed Research in Anthropology

Credit Hours: 1-3
Individual or group research involving supervised collection and analysis of cultural data. May be repeated to a maximum of nine hours.

Prerequisite: 9 hours in Anthropology and permission of instructor.
Typically offered: Fall, Spring

Arabic

ARB 101 - Elementary Arabic I

Credit Hours: 3
CORE 42: MOTR number LANG 105 - Foreign Language 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.

Lecture contact hours: 3

Typically offered: Fall

Access the CORE 42 Portal

ARB 102 - Elementary Arabic II

Credit Hours: 3
CORE 42: MOTR number LANG 106 - Foreign Language II.

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.

Prerequisite: C or better in ARB 101.
Lecture contact hours: 3

Typically offered: Spring

Access the CORE 42 Portal

ARB 201 - Intermediate Arabic I

Credit Hours: 3
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.

Prerequisite: C or better in ARB 102.
Lecture contact hours: 3

Typically offered: Fall

ARB 202 - Intermediate Arabic II

Credit Hours: 3
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.

Prerequisite: C or better in ARB 201.
Lecture contact hours: 3

Typically offered: Spring

ARB 297 - Special Topics in Arabic

Credit Hours: 1-6
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.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

ARB 305 - Advanced Arabic Proficiency Skills

Credit Hours: 3
Readings and discussions in modern standard Arabic, continuing the method used in teaching ARB 201 and ARB 202. Enhances communicative skills by providing intensive practice in reading, writing, listening, speaking and active control of grammar and vocabulary.

Prerequisite: C or better in ARB 202.
Lecture contact hours: 3

Typically offered: Demand

Art

ART 98 - Topics in Art and Design

Credit Hours: 1-2
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.

Typically offered: Demand

ART 100 - 2D Design

Credit Hours: 3
CORE 42: MOTR number PERF 105GA - Studio Art-Graphic Arts.

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.

Lab contact hours: 6

Typically offered: Fall, Spring

Access the CORE 42 Portal

ART 101 - Three-Dimensional Design

Credit Hours: 3
CORE 42: MOTR number PERF 105S - Studio Art-Sculpture.

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.

Lab contact hours: 6

Typically offered: Fall, Spring

Access the CORE 42 Portal

ART 110 - Introduction to New Media

Credit Hours: 3
CORE 42: MOTR number PERF 105GA - Studio Art-Graphic Arts.

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.

Lab contact hours: 6

Typically offered: Fall, Spring

Access the CORE 42 Portal

ART 115 - Drawing I

Credit Hours: 3
CORE 42: MOTR number PERF 105D - Studio Art-Introduction to Drawing.

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.

Lab contact hours: 6

Typically offered: Fall, Spring

Access the CORE 42 Portal

ART 200 - Art in Context

Credit Hours: 3
General Education Course: Focus on the Arts **CORE 42:** MOTR number ARTS 100 - Art Appreciation.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

ART 202 - Color Theory

Credit Hours: 3
An in-depth investigation of color theory specifically related to art and design. Examining and implementing basic and advanced concepts by integrating the principles of design and the visual elements as related to color theory in a variety of studio projects that consist of color relationships, visual impact, and psychological and symbolic use of color.

Prerequisite: ART 100 and ART 101 and ART 115.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 210 - Creative Coding

Credit Hours: 3
Exploration of new media art practice with focus on the interrelationship between technology and visual culture. The goal of the course is to weave technical skills into creative vision.

Prerequisite: ART 110.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 212 - Ceramics I

Credit Hours: 3
CORE 42: MOTR number PERF 105C - Studio Art - Ceramics.

An introduction to handbuilding, wheel and firing processes, including raku. Fundamentals of ceramic materials, equipment, and preparation of clay and glazes.

Lab contact hours: 6

Typically offered: Fall, Spring

Access the CORE 42 Portal

ART 215 - Drawing II

Credit Hours: 3
Continuation of drawing fundamentals in greater depth and exploration of additional media.

Prerequisite: ART 115.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 223 - Metals-Jewelry I

Credit Hours: 3
Introduction to non-ferrous metal fabrication processes including piercing, soldering and finishing. Fundamentals of tools, materials, and jewelry concepts.

Lab contact hours: 6

Typically offered: Fall, Spring

ART 225 - Painting I

Credit Hours: 3
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.

Prerequisite: ART 100 and ART 115 and ART 215.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 226 - Watercolor for the Non-Art Majors

Credit Hours: 3
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.

Lab contact hours: 6

Typically offered: Fall, Spring

ART 230 - Computer Animation I

Credit Hours: 3
Exploration of visual expression through the use of sequential images. Experience with a wide range of digital processes.

Prerequisite: ART 100 or ART 110.
Lab contact hours: 6

Typically offered: Fall

ART 235 - Sculpture I

Credit Hours: 3
Development of fundamental sculpting processes and shop safety. Experience with a range of media and techniques related to wood and metal fabrication.

Prerequisite: ART 101.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 242 - Printmaking I

Credit Hours: 3
Beginning problems in printmaking. Introduction to drypoint, etching, monotypes and relief printing.

Prerequisite: ART 100 and ART 115.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 243 - Relief Print

Credit Hours: 3
An exploration of the relief processes through the mediums of linocut and woodcut.

Prerequisite: ART 215.
Lab contact hours: 6

Typically offered: Demand

ART 253 - Fibers

Credit Hours: 3
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.

Prerequisite: ART 100.
Lab contact hours: 6

Typically offered: Fall

ART 254 - Introduction to Digital Photography for Non-Photography Majors and Minors

Credit Hours: 3
An introduction to photography as visual expression for students not seeking a major or minor in Photography. This course covers the use of a digital camera and software to explore esthetics and concepts particular to the medium of photography. This course is open to all students, but will not fulfill major requirements for the BFA degree with a major in Art with an option in Photography or requirements for a minor in Photography.

Lab contact hours: 6

Typically offered: Fall, Spring

ART 255 - Introduction to Analog Photography

Credit Hours: 3
Introduction to photography as visual expression. This course covers the use of an analog camera and darkroom techniques to explore aesthetics and concepts particular to the medium of photography. Camera is provided.

Lab contact hours: 6

Typically offered: Fall, Spring

ART 271 - History of Western Art I

Credit Hours: 3
General Education Course: Focus on Humanities **CORE 42:** MOTR number ARTS 101 - Art History I.

A survey of Western art and the cultures that produced it from Prehistory through the Gothic period.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

ART 272 - History of Western Art II

Credit Hours: 3
General Education Course: Focus on Humanities **CORE 42:** MOTR number ARTS 102 - Art History II.

A survey of Western art and the cultures that produced it from the Gothic Period to the Second World War.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

ART 273 - Survey of the Art of Africa, Oceania, and the Americas

Credit Hours: 3
General Education Course: Focus on Humanities

A survey of the art and architecture produced by the cultures of Africa, Oceania, and the Americas.

Lecture contact hours: 3

Typically offered: Fall, Spring

ART 274 - Survey of Asian Art

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

ART 300 - Fundamentals of Collaboration in Electronic Arts

Credit Hours: 3
Exploration of aesthetic and communication issues involved in producing work in interdisciplinary electronic media.

Prerequisite: permission of the instructor based on passing Candidacy Review in Electronic Arts.
Lab contact hours: 6

Typically offered: Spring

ART 301 - Introduction to Video Game Design

Credit Hours: 1
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.

Prerequisite: 30 hours; and eligible for Writing II; and permission of instructor.
Lecture contact hours: 1

Typically offered: Demand

ART 302 - Introductory Video Game Development for Artists and Animators

Credit Hours: 1
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.

Prerequisite: ART 301 or CSC 301; and ART 330.
Lab contact hours: 2

Typically offered: Demand

ART 310 - Networks and Interfaces

Credit Hours: 3
This studio course explores the use of networked computation and emphasizes integrating technology into art and design practice.

Prerequisite: ART 210.
Lab contact hours: 6

Typically offered: Spring

ART 311 - Video and Sound

Credit Hours: 3
This studio course investigates video and sound as vehicles for artistic expression by introducing students to technical skills, concepts, and contemporary theories central to time-based art. The course aims to weave technical ability with creative vision.

Prerequisite: ART 110 .
Lab contact hours: 6

Typically offered: Demand

ART 312 - Ceramics II

Credit Hours: 3
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.

Prerequisite: ART 101 and ART 212.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 313 - Ceramics III

Credit Hours: 3
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.

Prerequisite: ART 312.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 314 - Special Topics in Ceramics

Credit Hours: 3
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.

Prerequisite: ART 212.
Lab contact hours: 6

Typically offered: Demand

ART 315 - Drawing III

Credit Hours: 3
Problems of greater visual and conceptual complexity. More emphasis given to development of individual qualities. May be repeated to a maximum of nine hours.

Prerequisite: ART 215.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 316 - Life Drawing

Credit Hours: 3
Drawing the human figure with emphasis on anatomy, structure, and form. May be repeated to a maximum of nine hours.

Prerequisite: ART 215.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 320 - Graphic Narrative

Credit Hours: 3
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.

Prerequisite: ART 115 or permission of instructor.
Lecture contact hours: 3

Typically offered: Fall

ART 322 - Jewelry and Metalsmithing

Credit Hours: 3
Further exploration of metal fabrication processes. Introduction to jewelry scale casting and to silversmithing techniques.

Prerequisite: ART 101 and ART 223.
Lab contact hours: 6

Typically offered: Fall

ART 323 - Jewelry, Metals, and Enameling

Credit Hours: 3
Further exploration of metal fabrication and smithing processes. Introduction to enameling and other color techniques on metal.

Prerequisite: ART 101 or concurrent enrollment; and ART 223.
Lab contact hours: 6

Typically offered: Spring

ART 324 - Metals and Jewelry III

Credit Hours: 3
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.

Prerequisite: ART 322 and ART 323.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 325 - Painting II

Credit Hours: 3
Problems of greater visual and conceptual complexity. More emphasis given to development of individual qualities. May be repeated to a maximum of six hours.

Prerequisite: ART 225.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 326 - Painting with Water-Based Media

Credit Hours: 3
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.

Prerequisite: ART 225.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 330 - Computer Animation II

Credit Hours: 3
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.

Prerequisite: ART 230.
Lab contact hours: 6

Typically offered: Spring

ART 331 - Computer Animation III

Credit Hours: 3
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.

Prerequisite: ART 330 and permission of instructor.
Lab contact hours: 6

Typically offered: Fall

ART 335 - Sculpture II

Credit Hours: 3
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.

Prerequisite: ART 235.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 336 - Figure Modeling

Credit Hours: 3
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.

Prerequisite: ART 100 and ART 101 and ART 215.
Lab contact hours: 6

Typically offered: Demand

ART 340 - Physical Computing

Credit Hours: 3
Investigations in designing, prototyping, and building human-centered interactive systems and environments using Arduino powered micro-controllers, software, sensors and various other electronic tools. Hands-on experience in a project-based, studio environment.

Prerequisite: ART 310.
Lab contact hours: 6

Typically offered: Demand

ART 342 - Printmaking II

Credit Hours: 3
Advanced problems in printmaking. Students may choose projects that include etching, relief, letterpress, screen printing, lithography, risographs, solar plates, bookmaking, or a specialized curriculum in sequential narrative, photography, and graphic design utilizing various print media. May be repeated to a maximum of nine hours.

Prerequisite: ART 210 or ART 212 or ART 215 or ART 223 or ART 225 or ART 230 or ART 235 or ART 242 or ART 254 or ART 255.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 343 - Lithography

Credit Hours: 3
Exploration of stone lithography as an expressive means toward creating hand-pulled prints. May be repeated to a maximum of nine hours.

Prerequisite: ART 242.
Lab contact hours: 6

Typically offered: Demand

ART 345 - Digital Fabrication

Credit Hours: 3
The course focuses on development of technical skills in computer aided design and manufacturing (CAD/CAM) in art and design, and introduces contemporary artists and designers using digital fabrication approaches. Techniques covered include 3D modeling and scanning, 3D printing, laser cutting, and CNC milling. The instructional process includes lecture, critique, and supervised studio practice.

Prerequisite: ART 101 and ART 110.
Lab contact hours: 6

Typically offered: Demand

ART 350 - Citizenship and Service-Learning in Art History

Credit Hours: 1
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.

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.
Typically offered: Demand

ART 354 - Medium Format Photography

Credit Hours: 3
An investigation of technical and aesthetic issues of medium format photography. Emphasis on the development of expressive photographic images.

Prerequisite: ART 255.
Lab contact hours: 6

Typically offered: Demand

ART 355 - Large Format Photography

Credit Hours: 3
An investigation of technical and aesthetic issues of large format photography. Emphasis on the development of expressive photographic images.

Prerequisite: ART 255.
Lab contact hours: 6

Typically offered: Demand

ART 356 - Color Photography

Credit Hours: 3
An investigation of technical and aesthetic issues of color photography. Emphasis on the development of expressive photographic images.

Prerequisite: ART 255.
Lab contact hours: 6

Typically offered: Demand

ART 357 - Special Topics in Photography

Credit Hours: 3
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.

Prerequisite: ART 255 and permission.
Lab contact hours: 6

Typically offered: Demand

ART 358 - Studio Photography

Credit Hours: 3
An investigation of technical, aesthetic, and conceptual issues of studio photography with emphasis on portrait, constructed environment, and still-life photography.

Prerequisite: ART 254 or ART 359.
Lab contact hours: 6

Typically offered: Spring

ART 359 - Digital Photography I

Credit Hours: 3
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.

Prerequisite: ART 254 or ART 255.
Lab contact hours: 6

Typically offered: Fall

ART 360 - General Methods of Instruction in Art Education in the Middle and Secondary Schools

Credit Hours: 3
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.

Prerequisite: ART 100 and ART 101 and ART 115.
Lecture contact hours: 2 **Lab contact hours:** 3

Typically offered: Spring

ART 366 - Multicultural Art Education and Diversity in Elementary Schools

Credit Hours: 3
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.

Prerequisite: ART 360.
Lecture contact hours: 2 **Lab contact hours:** 3

Typically offered: Fall

ART 377 - History of Graphic and Applied Design

Credit Hours: 3
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.

Prerequisite: ART 271 or ART 272 or ART 273 or ART 274.
Lecture contact hours: 3

Typically offered: Spring

ART 387 - History of Photography

Credit Hours: 3
The development and history of photography as an artistic medium.

Prerequisite: ART 272.
Lecture contact hours: 3

Typically offered: Demand

ART 388 - The Museum: History and Perspectives

Credit Hours: 3
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.

Prerequisite: ENG 110 and permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

ART 390 - Art History Teaching Assistant

Credit Hours: 0-1
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.

Prerequisite: permission of instructor.
Typically offered: Demand

ART 399 - Individual Instruction

Credit Hours: 3
Independent work on special projects approved by studio advisor. May be repeated to a maximum of six hours in any studio area.

Prerequisite: senior or postbaccalaureate standing; 12 sequential hours in same studio area and permission of instructor.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 401 - Teaching of Artistic Practices with Classroom Management and Assessment in Art Education

Credit Hours: 3
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. A C grade or better is required in this course in order to take ART 490. Cannot be taken Pass/Not Pass.

Prerequisite: ART 366; and admitted to Teacher Education.
Lecture contact hours: 2 **Lab contact hours:** 3

Typically offered: Spring

ART 407 - Art Internship

Credit Hours: 1-3
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.

Prerequisite: permission of instructor.
Typically offered: Demand

ART 410 - Seminar in New Media

Credit Hours: 3
Advanced research in new media, with emphasis on developing personal vision. May be repeated to a maximum of nine hours.

Prerequisite: ART 310.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 425 - Painting III

Credit Hours: 3
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.

Prerequisite: ART 325.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 430 - Computer Animation IV

Credit Hours: 3
Individual problems in animation and advanced techniques. Emphasis will be placed on the development of a personal point of view.

Prerequisite: ART 331.
Lab contact hours: 6

Typically offered: Spring

ART 431 - Professional Practices in Computer Animation

Credit Hours: 3
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.

Prerequisite: ART 430.
Lab contact hours: 6

Typically offered: Fall

ART 432 - Computer Animation V

Credit Hours: 3
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.

Prerequisite: ART 431.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 435 - Sculpture III

Credit Hours: 3
Students develop personal concepts and methodologies and learn advanced techniques and processes to produce sculpture. May be repeated to a maximum of 12 hours.

Prerequisite: ART 335.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 445 - Advanced Digital Fabrication

Credit Hours: 3
The course focuses on continued development of technical skills in computer aided design and manufacturing

(CAD/CAM) in art and design practice. Emphasis on expanding the students' artistic portfolios through the use of advanced CAD software and combining multiple CAM processes such as 3D printing, CNC milling, and laser cutting/engraving. The instructional process includes lecture, critique, and supervised studio practice. May be repeated up to a total of 6 hours.

Prerequisite: ART 345 or permission of instructor.
Lab contact hours: 6

Typically offered: Demand

ART 454 - Digital Photography II

Credit Hours: 3
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.

Prerequisite: ART 359.
Lab contact hours: 6

Typically offered: Demand

ART 455 - Advanced Photography Seminar

Credit Hours: 3
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.

Prerequisite: 12 hours in emphasis and permission of the instructor.
Lab contact hours: 6

Typically offered: Fall, Spring

ART 460 - Critical Studies in Art Education

Credit Hours: 3
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.

Prerequisite: ART 366 and ART 401.
Lecture contact hours: 2 **Lab contact hours:** 3

Typically offered: Fall

ART 466 - Art Education Practicum

Credit Hours: 3
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.

Prerequisite: 30 hours of Art and ART 366 and ART 401.
Lecture contact hours: 2 **Lab contact hours:** 3

Typically offered: Fall

ART 469 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

ART 471 - Islamic Art

Credit Hours: 3
A survey of the art produced in the lands under the influence of the Islamic religion. May be taught concurrently with ART 671. Cannot receive credit for both ART 471 and ART 671.

Prerequisite: ART 271 or ART 273 or ART 274.
Lecture contact hours: 3

Typically offered: Demand

ART 472 - Medieval Art

Credit Hours: 3
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.

Prerequisite: ART 271.
Lecture contact hours: 3

Typically offered: Demand

ART 475 - Art of the Renaissance

Credit Hours: 3
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.

Prerequisite: ART 272.
Lecture contact hours: 3

Typically offered: Demand

ART 476 - Women and Art

Credit Hours: 3
The course examines women's roles and contributions in the history of art and culture. May be counted toward the Gender Studies minor. May be taught concurrently with ART 676. Cannot receive credit for both ART 476 and ART 676.

Prerequisite: ART 271 or ART 272.
Lecture contact hours: 3

Typically offered: Demand

ART 478 - Baroque Art

Credit Hours: 3
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.

Prerequisite: ART 272.
Lecture contact hours: 3

Typically offered: Demand

ART 480 - Modern Art

Credit Hours: 3
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.

Prerequisite: ART 272.
Lecture contact hours: 3

Typically offered: Fall, Spring

ART 483 - Modern Architecture and Urban Forms

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

ART 484 - Contemporary Art

Credit Hours: 3
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.

Prerequisite: ART 272.
Lecture contact hours: 3

Typically offered: Demand

ART 485 - Art of Mesoamerica

Credit Hours: 3
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.

Prerequisite: ART 273.
Lecture contact hours: 3

Typically offered: Demand

ART 486 - Art of Africa

Credit Hours: 3
The art and architecture of Africa and the cultures that produced it. May be taught concurrently with ART 686. Cannot receive credit for both ART 486 and ART 686.

Prerequisite: ART 273.
Lecture contact hours: 3

Typically offered: Demand

ART 487 - Art of the Americas

Credit Hours: 3
The art and architecture of North America, Central America, and South America and the cultures that produced it. May be taught concurrently with ART 687. Cannot receive credit for both ART 487 and ART 687.

Prerequisite: ART 273.
Lecture contact hours: 3

Typically offered: Demand

ART 488 - Basic Conservation of Art and Artifacts

Credit Hours: 3
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.

Prerequisite: ART 273 and permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

ART 490 - Supervised Teaching

Credit Hours: 12
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.

Prerequisite: completion of all method courses in Art Education; and a C grade or better in all professional education courses; and current pre-professional liability insurance; and approval for supervised teaching.
Typically offered: Fall, Spring

ART 492 - Art and Theory

Credit Hours: 3
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.

Prerequisite: 6 hours of art history at the 300- or 400- level; and permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

ART 494 - Independent Study in Art History

Credit Hours: 3
Individual projects and special problems in Art History. May be repeated to a maximum of six hours.

Prerequisite: appropriate survey course (ART 271 or ART 272 or ART 273 or ART 274); and permission of instructor (granted only in special circumstances).
Lecture contact hours: 3

Typically offered: Demand

ART 495 - Internship in Art History

Credit Hours: 1-6
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.

Prerequisite: permission of instructor.
Typically offered: Demand

ART 496 - Selected Topics in Art History

Credit Hours: 3
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.

Prerequisite: permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

ART 497 - Selected Topics in Art and Design

Credit Hours: 1-3
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.

Prerequisite: ART 100 and ART 101 and permission of instructor.
Typically offered: Demand

ART 498 - Senior Project in Electronic Arts

Credit Hours: 3
Admission to this course is contingent upon the successful completion of the Electronics Arts junior portfolio review and the achievement of a C grade or better 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.

Prerequisite: ART 300 and permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

ART 499 - Senior Exhibition

Credit Hours: 4
A presentation of work that reflects the technical, aesthetic, and conceptual issues from the area in which the majority of art coursework 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.

Prerequisite: senior standing; and completion of BFA in Art Candidacy Review; and 3.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

ART 590 - Art Studio Workshops for Art Educators

Credit Hours: 2-3
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 590 and ART 690.

Typically offered: Fall, Spring

ART 598 - Seminar in Art Education

Credit Hours: 1-3
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 598 and ART 698.

Typically offered: Summer

Astronomy

AST 110 - Astronomical Observations

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Demand

AST 111 - Astronomical Frontiers

Credit Hours: 2
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.

Lecture contact hours: 2

Typically offered: Demand

AST 112 - Life in the Universe

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

AST 113 - Modern Astronomy

Credit Hours: 3
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number ASTR 100 - Astronomy.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

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AST 114 - Survey of Astronomy

Credit Hours: 4
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number ASTR 100 - Astronomy.

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.

Lecture contact hours: 4

Typically offered: Fall, Spring

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AST 115 - Basic Astronomy

Credit Hours: 4
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number ASTR 100L - Astronomy with Lab.

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.

Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

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AST 311 - Astronomical Techniques

Credit Hours: 3
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, and CCD imaging.

Prerequisite: MTH 136; and AST 113 or AST 114 or AST 115.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall Odd

AST 313 - The New Solar Systems

Credit Hours: 3
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.

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 137 or MTH 138 or above.
Lecture contact hours: 3

Typically offered: Fall Even

AST 315 - The Lives and Deaths of Stars

Credit Hours: 3
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.

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 137 or MTH 138 or above.
Lecture contact hours: 3

Typically offered: Spring Odd

AST 317 - Our Universe, the Final Frontier

Credit Hours: 3
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.

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 137 or MTH 138 or above.
Lecture contact hours: 3

Typically offered: Spring Even

AST 513 - Solar and Extra-Solar Systems

Credit Hours: 3
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.

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.

Lecture contact hours: 3

Typically offered: Fall Odd

AST 515 - Stellar Structure and Evolution

Credit Hours: 3
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.

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.
Lecture contact hours: 3

Typically offered: Spring Odd

AST 517 - Galaxies and Cosmology

Credit Hours: 3
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.

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.
Lecture contact hours: 3

Typically offered: Spring Even

Athletic Training

ATC 220 - Introduction to Sports Medicine

Credit Hours: 1
This course will cover various aspects of sports medicine professions and the Sports Medicine program at Missouri State. Students will have the opportunity to explore the Sports Medicine professions by completing five clinical observation hours.

Lecture contact hours: 1

Typically offered: Fall, Spring

ATC 221 - Clinical Skills in Sports Medicine

Credit Hours: 2
Students are introduced to many of the emergency management and clinical skills required by allied health care professionals in a variety of clinical settings.

Prerequisite: ATC 220 or concurrent enrollment.
Lab contact hours: 4

Typically offered: Spring, Summer

ATC 222 - Athletic Injuries

Credit Hours: 2
Techniques, principles and theory underlying prevention and care of athletic injuries.

Prerequisite: BMS 307 or KIN 250.
Lecture contact hours: 2 **Lab contact hours:** 1

Typically offered: Fall, Spring

ATC 224 - Basic Athletic Training/Sports Medicine Techniques

Credit Hours: 4
Procedures, techniques, principles and theory relative to development of essential cognitive and psychomotor competencies commonly used in athletic training.

Prerequisite: ATC 221 and BMS 307 (or concurrent enrollment with permission of program director).
Lecture contact hours: 3 **Lab contact hours:** 3

Typically offered: Fall

ATC 225 - Sports Medicine Observation

Credit Hours: 1
Clinical observation hours and experience for students considering a career in a sports medicine field. Students will explore various sports medicine settings and learn basic skills. Must be repeated to a minimum of four hours for Sports Medicine major. Must be repeated to a minimum of two hours for Sports Medicine minor.

Prerequisite: ATC 220.
Lab contact hours: 2

Typically offered: Fall, Spring

ATC 240 - Clinical Practicum I

Credit Hours: 2
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.

Prerequisite: ATC 221 and permission of program director.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall

ATC 241 - Clinical Practicum II

Credit Hours: 2
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.

Prerequisite: ATC 221 and ATC 240 and permission of program director.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring

ATC 297 - Special Topics

Credit Hours: 1-2
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.

Prerequisite: permission of program director.
Typically offered: Demand

ATC 320 - Athletic Training Administration

Credit Hours: 3
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.

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.
Lecture contact hours: 3

Typically offered: Fall

ATC 324 - Therapeutic Modalities

Credit Hours: 4
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.

Prerequisite: BMS 308 and permission of program director.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Spring

ATC 326 - Therapeutic Interventions in Athletic Training

Credit Hours: 3
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.

Prerequisite: ATC 222 or ATC 224; and BMS 308 and PSY 121.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

ATC 328 - Lower Body Assessment

Credit Hours: 4
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.

Prerequisite: ATC 221; and a C grade or better in BMS 307; and BMS 450.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall

ATC 329 - Upper Body Assessment

Credit Hours: 4
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.

Prerequisite: ATC 328.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Spring

ATC 332 - Research Methods in Sports Medicine

Credit Hours: 2
Interactive study of importance and process of conducting ethical research in the sports medicine and other healthcare professions. Emphasis placed on research design, ethics, collection of data, and the dissemination of results.

Prerequisite: IPE 381 or equivalent.
Lecture contact hours: 2

Typically offered: Fall, Spring

ATC 340 - Clinical Practicum III

Credit Hours: 2
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.

Prerequisite: ATC 241 and permission of program director.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall

ATC 341 - Clinical Practicum IV

Credit Hours: 2
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.

Prerequisite: ATC 340 and permission of program director.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring

ATC 344 - Foundations of Rehabilitation

Credit Hours: 4
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.

Prerequisite: ATC 328 and BMS 450.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall

ATC 354 - Clinical Applications of Rehabilitation

Credit Hours: 4
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.

Prerequisite: ATC 344.
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Spring

ATC 397 - Special Topics

Credit Hours: 1-2
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.

Prerequisite: permission of program director.
Typically offered: Demand

ATC 413 - Informatics and Terminology in Healthcare

Credit Hours: 3
This course will cover various aspects of health informatics and data collection, storage, retrieval, and analysis. Special focus on widely available informatic systems, medical terminology, and their application to the healthcare field. Identical with IPE 413. Cannot receive credit for both ATC 413 and IPE 413.

Lecture contact hours: 3

Typically offered: Fall

ATC 420 - Medical Aspects of Athletic Training

Credit Hours: 3
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.

Prerequisite: C grade or better in BMS 308; and 60 hours; and permission of program director.
Lecture contact hours: 3

Typically offered: Spring

ATC 425 - Contemporary Topics in Athletic Training

Credit Hours: 2
Discussion of current issues and problems facing the athletic training profession.

Prerequisite: at least 75 hours towards Athletic Training major completed or at least 15 hours toward Sports Medicine minor completed; and permission.
Lecture contact hours: 2

Typically offered: Spring

ATC 440 - Clinical Practicum V

Credit Hours: 2
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.

Prerequisite: ATC 341 and permission of program director.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall

ATC 441 - Clinical Practicum VI

Credit Hours: 2
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.

Prerequisite: ATC 440 and permission of program director.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring

ATC 444 - Applied Orthopedic Review

Credit Hours: 4
This course will cover applied human anatomy with a special focus on musculoskeletal anatomy and principles of

human movement. The course will involve hands-on palpation and movement analysis activities.

Prerequisite: BMS 307.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Spring

ATC 497 - Athletic Training Seminar

Credit Hours: 1-3
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.

Prerequisite: ATC 221 and ATC 222; and permission of program director.
Typically offered: Fall, Spring

ATC 498 - Research Projects in Athletic Training

Credit Hours: 1-3
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.

Prerequisite: ATC 332 and PSY 200; and permission of program director.
Typically offered: Fall, Spring

ATC 499 - Independent Study in Athletic Training

Credit Hours: 1-3
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.

Prerequisite: ATC 221 and ATC 222; and permission of program director.
Typically offered: Fall, Spring, Summer

Biology

BIO 100 - Biological Science for Educators

Credit Hours: 4
General Education Course: Focus on Life Sciences **CORE 42:** MOTR number BIOL 100LT - Essentials in Biology with Lab-Teaching.

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.

Prerequisite: open only to Early Childhood, Elementary, Middle School, and Special Education majors.
Lecture contact hours: 3 **Lab contact hours:** 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

BIO 101 - Biology in Your World

Credit Hours: 3
General Education Course: Focus on Life Sciences **CORE 42:** MOTR number BIOL 100 - Essentials in Biology.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

Access the CORE 42 Portal

BIO 102 - Principles of Biological Science

Credit Hours: 4
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, BIO 101, or BIO 102.

Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

BIO 111 - Laboratory for Biology in Your World

Credit Hours: 1
General Education Course: Focus on Life Sciences **CORE 42:** MOTR number BIOL 100L - Essentials in Biology with Lab.

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.

Prerequisite: BIO 101 or concurrent enrollment.
Lab contact hours: 2

Typically offered: Fall, Spring, Summer

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BIO 121 - General Biology I

Credit Hours: 4
General Education Course: Focus on Life Sciences **CORE 42:** MOTR number BIOL 150L - Biology with Lab.

First half of two-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.

Prerequisite: ENG 105 or eligibility for ENG 110 .
Lecture contact hours: 3 **Lab contact hours:** 3

Typically offered: Fall, Spring

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BIO 122 - General Biology II

Credit Hours: 4
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.

Prerequisite: ENG 105 or eligibility for ENG 110 .
Recommended Prerequisite: BIO 121.

Lecture contact hours: 3 **Lab contact hours:** 3

Typically offered: Fall, Spring

BIO 197 - Selected Topics in Biology

Credit Hours: 1-4
Course devoted to a biologic topic of current interest. May be repeated to a maximum of four hours provided the topics are different.

Prerequisite: permission of instructor.
Typically offered: Demand

BIO 210 - Elements of Microbiology

Credit Hours: 3
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.

Prerequisite: CHM 116 and CHM 117 or CHM 160; and 4 hours of BIO or BMS courses.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

BIO 212 - Elements of Microbiology

Credit Hours: 2
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.

Prerequisite: CHM 116 and CHM 117 or CHM 160 and CHM 161; and 4 hours of BIO or BMS courses.
Lecture contact hours: 2

Typically offered: Fall, Spring

BIO 213 - Elements of Microbiology Laboratory

Credit Hours: 1
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.

Prerequisite: BIO 212 or concurrent enrollment.
Lab contact hours: 2

Typically offered: Fall, Spring

BIO 235 - Genetics

Credit Hours: 3
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.

Prerequisite: BIO 121 or BMS 110 and BMS 111; and CHM 116 and CHM 117 or CHM 160 and CHM 161 (recommended) or higher, and MTH 136 or higher.
Lecture contact hours: 3

Typically offered: Fall, Spring

BIO 236 - Genetics Laboratory

Credit Hours: 1
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.

Prerequisite: BIO 235 or concurrent enrollment; concurrent enrollment is strongly encouraged.
Lab contact hours: 3

Typically offered: Fall, Spring

BIO 300 - Service-Learning in Biology

Credit Hours: 1
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, BIO 399, and BIO 499 credit may be counted towards the major. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Prerequisite: 30 hours and permission, and concurrent registration in a Biology course designated as a service-learning offering.
Typically offered: Fall, Spring

BIO 302 - Biology Seminar

Credit Hours: 1
Introduction to major fields of study in biology, the role of biology in the public affairs mission, and information on career development, undergraduate research, Education Abroad opportunities, and applying to graduate/professional schools. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Prerequisite: BIO 121 or BMS 110; and BIO 122.
Lecture contact hours: 1

Typically offered: Fall, Spring

BIO 310 - Microbiology

Credit Hours: 5
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.

Prerequisite: C- grade or better in BIO 235 and BIO 236, or BMS 230 and BMS 232, or BMS 231; and C- grade or better in CHM 116 and CHM 117, or CHM 160.
Lecture contact hours: 3 **Lab contact hours:** 4

Typically offered: Fall, Spring

BIO 312 - Microbiology

Credit Hours: 3
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.

Prerequisite: C- grade or better in BIO 235 and BIO 236 or BMS 230 or BMS 231; and C- grade or better in CHM 116 and CHM 117 or CHM 160 and CHM 161.
Lecture contact hours: 3

Typically offered: Fall, Spring

BIO 313 - Microbiology Laboratory

Credit Hours: 2
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.

Prerequisite: BIO 312 or concurrent enrollment.
Lab contact hours: 4

Typically offered: Fall, Spring

BIO 320 - Cellular and Molecular Biology

Credit Hours: 4
The structure and function of cells and their constituents, including biomolecules, with an emphasis on eukaryotes.

Prerequisite: C- grade or better in BIO 235 and BIO 236, or BMS 230 and BMS 232, or BMS 231; and C- grade or better in CHM 201 and CHM 202, or CHM 342.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

BIO 334 - Plant Taxonomy

Credit Hours: 3
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.

Prerequisite: BIO 122.
Lecture contact hours: 2 **Lab contact hours:** 3

Typically offered: Spring

BIO 339 - Identification of Woody Plants

Credit Hours: 2
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.

Prerequisite: BIO 122.
Lab contact hours: 4

Typically offered: Fall

BIO 355 - Developmental Biology

Credit Hours: 4
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.

Prerequisite: BIO 235 and BIO 236, or BMS 230 and BMS 232, or BMS 231.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Demand

BIO 361 - General Physiology

Credit Hours: 4
A study in animal biology that emphasizes the functional features of whole organisms including physiological regulations.

Prerequisite: C- grade or better in BIO 235 and BIO 236.
Lecture contact hours: 3 **Lab contact hours:** 3

Typically offered: Fall, Spring

BIO 367 - General Ecology

Credit Hours: 3
Introduction to the basic concepts of ecology. Public Affairs Capstone Experience course.

Prerequisite: BIO 122.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

BIO 368 - General Ecology Lab

Credit Hours: 1
Methods used in ecological studies. Intended to emphasize sampling techniques and data analyses pertinent to lecture material in BIO 367.

Prerequisite: BIO 367 or concurrent enrollment.
Lab contact hours: 2

Typically offered: Fall, Spring, Summer

BIO 370 - Invertebrate Zoology

Credit Hours: 4
Biological principles exemplified by study of functional morphology, taxonomy and phylogeny of invertebrate phyla. Public Affairs Capstone Experience course.

Prerequisite: BIO 121 and BIO 122.
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Spring Odd

BIO 371 - Introduction to Entomology

Credit Hours: 3
Introduction to insect structure and function with emphasis on comparative morphology, physiology, life history, behavior, and ecology.

Prerequisite: BIO 121 and BIO 122.
Lecture contact hours: 2 **Lab contact hours:** 3

Typically offered: Fall

BIO 373 - Principles of Wildlife Management

Credit Hours: 3
This course considers ecological principles, conservation, and management policies for wild animals and habitats. Public Affairs Capstone Experience course.

Prerequisite: BIO 122.
Lecture contact hours: 3

Typically offered: Fall

BIO 377 - Marine Science II: Marine Biology

Credit Hours: 3
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.

Prerequisite: 8 hours biology; and concurrent enrollment in BIO 378.
Corequisite: BIO 378
Lecture contact hours: 3

Typically offered: Summer

BIO 378 - Marine Science II: Marine Biology Lab

Credit Hours: 2
Laboratory portion of BIO 377. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi.

Prerequisite: concurrent enrollment in BIO 377.
Corequisite: BIO 377
Lab contact hours: 4

Typically offered: Summer

BIO 380 - Comparative Vertebrate Anatomy

Credit Hours: 5
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.

Prerequisite: BIO 121 and BIO 122.
Lecture contact hours: 2 **Lab contact hours:** 6

Typically offered: Fall

BIO 398 - Laboratory Internship in Biology

Credit Hours: 1
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.

Prerequisite: BSEd major in Biology Education; BIO 310 and BIO 367 and BIO 368, and permission of instructor.
Lab contact hours: 3

Typically offered: Fall, Spring

BIO 399 - Cooperative Education in Biology

Credit Hours: 1-3
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 BIO 499 may be counted towards the biology major. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Prerequisite: acceptance into Cooperative Education Program and permission of department head.
Typically offered: Fall, Spring

BIO 436 - Plant Ecology

Credit Hours: 4
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.

Recommended Prerequisite: BIO 367 and BIO 368.

Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Fall

BIO 485 - Marine Conservation

Credit Hours: 3
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.

Recommended Prerequisite: BIO 122 and BIO 367 and BIO 368 or permission.

Lecture contact hours: 3

Typically offered: Fall, Summer

BIO 492 - Biology Program Assessment

Credit Hours: 0
Comprehensive assessment examination for Biology majors. Graded Pass/Not Pass only.

Prerequisite: 90 hours including 20 hours of BIO courses, and biology major.
Typically offered: Fall, Spring

BIO 494 - Senior Seminar

Credit Hours: 1
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.

Prerequisite: 90 hours and biology major.
Lecture contact hours: 1

Typically offered: Fall, Spring

BIO 498 - Honors Senior Project

Credit Hours: 3
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.

Prerequisite: student must be a biology major and have junior standing and be a member of the Honors College and permission of instructor.
Typically offered: Demand

BIO 499 - Undergraduate Research

Credit Hours: 1-3
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, BIO 399 and 499 may be counted towards the major. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Prerequisite: Biology major with a minimum of a 3.00 GPA; and 20 hours in Biology courses; and permission of instructor.
Typically offered: Fall, Spring, Summer

BIO 501 - Natural History Museum Techniques

Credit Hours: 2
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.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

BIO 502 - Sustainability Science in Practice

Credit Hours: 3
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.

Recommended Prerequisite: Recommended Prerequisite GRY 108 or BIO 122.

Lecture contact hours: 3

Typically offered: Summer

BIO 503 - Epigenetics and Human Health

Credit Hours: 3
Includes principles of epigenetic regulation of gene expression (e.g. chromatin, DNA modifications, non-coding RNA, and RNA editing). Discussion topics include regulation of these events, and molecular techniques that detect epigenetic marks. Furthermore, students will investigate recent literature to describe current understanding of relationships between epigenetic mechanisms, the environment (e.g. aging, diet, exercise, chemical exposure, malignancies), and organismal fitness. Identical with BMS 503. May be taught concurrently with BIO 603. Can only receive credit for one of the following: BIO 503, BIO 603, BMS 503 , BMS 603.

Prerequisite: C- or better in BIO 320 or BIO 355 or BMS 321.
Lecture contact hours: 3

Typically offered: Spring

BIO 504 - Plant-Animal Interactions

Credit Hours: 3
The theories, evolutionary and ecological patterns, and major current topics in plant-animal interactions. This course encourages independence in learning, synthesizing, and communicating science via discussions and presentations. Topics are flexible and guided by student interests. May be taught concurrently with BIO 604. Cannot receive credit for both BIO 504 and BIO 604.

Prerequisite: BIO 367 and BIO 368; or BIO 436.
Lecture contact hours: 3

Typically offered: Spring

BIO 505 - Human Nature

Credit Hours: 3
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.

Prerequisite: BIO 235 and BIO 236 or BMS 230 or BMS 231; and PSY 121.
Lecture contact hours: 3

Typically offered: Fall

BIO 508 - Environmental Microbiology

Credit Hours: 3
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 508 and BIO 608. Public Affairs Capstone Experience course.

Prerequisite: BIO 212 and BIO 213 (or prior credit for BIO 210); or BIO 312 and BIO 313 (or prior credit for BIO 310).
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

BIO 509 - Stream Ecology

Credit Hours: 4
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 509 and BIO 609. Public Affairs Capstone Experience course.

Prerequisite: BIO 367 and BIO 368.
Recommended Prerequisite: CHM 171 or higher.

Lecture contact hours: 3 **Lab contact hours:** 3

Typically offered: Spring

BIO 511 - Immunology

Credit Hours: 4
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.

Prerequisite: BIO 212 and BIO 213 (or prior credit for BIO 210); or BIO 312 and BIO 313 (or prior credit for BIO 310); or BIO 320 or BMS 521.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall

BIO 512 - Industrial Microbiology

Credit Hours: 3
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 512 and BIO 613. Public Affairs Capstone Experience course.

Prerequisite: BIO 212 and BIO 213 (or prior credit for BIO 210); or BIO 312 and BIO 313 (or prior credit for BIO 310).
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

BIO 515 - Evolution

Credit Hours: 3
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 515 and BIO 616.

Prerequisite: BIO 235 and BIO 236 or BMS 230 or BMS 231; and MTH 136 or higher.
Lecture contact hours: 3

Typically offered: Fall, Spring

BIO 517 - Microbial Physiology and Metabolism

Credit Hours: 4
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 517 and BIO 617.

Prerequisite: BIO 212 and BIO 213 (or prior credit for BIO 210); or BIO 312 and BIO 313 (or prior credit for BIO 310); and either [CHM 201 and CHM 202] or CHM 342 and CHM 345 (or CHM 342 taken prior to Fall 2019).
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Fall

BIO 518 - Regulatory Mechanisms

Credit Hours: 2
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.

Prerequisite: BIO 310 or BIO 320 or BMS 521 or CHM 554.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring

BIO 520 - Pathogenic Microbiology

Credit Hours: 3
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 520 and BIO 620. Public Affairs Capstone Experience course.

Prerequisite: BIO 212 and BIO 213 (or prior credit for BIO 210); or BIO 312 and BIO 313 (or prior credit for BIO 310).
Lecture contact hours: 3

Typically offered: Spring

BIO 521 - Marine Science for Teachers I

Credit Hours: 2
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 521 and BIO 621.

Prerequisite: 12 hours in biology; and concurrent enrollment in BIO 522.
Corequisite: BIO 522
Lecture contact hours: 2

Typically offered: Summer

BIO 522 - Marine Science for Teachers I Lab

Credit Hours: 1
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 522 and BIO 623.

Prerequisite: concurrent enrollment in BIO 521.
Corequisite: BIO 521
Lab contact hours: 2

Typically offered: Summer

BIO 527 - Field Biology

Credit Hours: 1-4
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 527 and BIO 627. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor.
Typically offered: Demand

BIO 530 - Aquatic Botany

Credit Hours: 3
The structure, function, ecological significance, and diversity of algae and plants that occur in permanently or seasonally wet environments. Emphasis will be placed on their role in aquatic systems, strategies for coping in their watery environments, physiological characteristics, and control methods. May be taught concurrently with BIO 629. Cannot receive credit for both BIO 530 and BIO 629.

Prerequisite: BIO 122.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

BIO 532 - Principles of Fisheries Management

Credit Hours: 3
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 532 and BIO 632.

Prerequisite: BIO 367 and BIO 368 or BIO 373.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

BIO 533 - Wetland Ecology

Credit Hours: 4
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 533 and BIO 633.

Prerequisite: BIO 367 and BIO 368.
Recommended Prerequisite: CHM 171 or higher.

Lecture contact hours: 3 **Lab contact hours:** 3

Typically offered: Demand

BIO 534 - Coastal Vegetation

Credit Hours: 2
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 534 and BIO 641.

Prerequisite: 10 hours of biology including BIO 121 and BIO 122; and concurrent enrollment in BIO 535.
Corequisite: BIO 535
Lecture contact hours: 2

Typically offered: Summer

BIO 535 - Coastal Vegetation Lab

Credit Hours: 1
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 535 and BIO 635.

Prerequisite: concurrent enrollment in BIO 534.
Corequisite: BIO 534
Lab contact hours: 2

Typically offered: Summer

BIO 537 - Salt Marsh Plant Ecology

Credit Hours: 2
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 537 and BIO 637.

Prerequisite: BIO 122 and BIO 334 and BIO 367 and BIO 368 and BIO 544; and concurrent enrollment in BIO 538.
Corequisite: BIO 538
Lecture contact hours: 2

Typically offered: Summer

BIO 538 - Salt Marsh Plant Ecology Lab

Credit Hours: 2
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 538 and BIO 638.

Prerequisite: concurrent enrollment in BIO 537.
Corequisite: BIO 537
Lab contact hours: 4

Typically offered: Summer

BIO 539 - Biogeography

Credit Hours: 3
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 539 and BIO 639. Public Affairs Capstone Experience course.

Prerequisite: BIO 121 and BIO 122.
Lecture contact hours: 3

Typically offered: Fall

BIO 540 - Applications of Molecular Markers

Credit Hours: 4
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 640. Cannot receive credit for both BIO 640 and BIO 540.

Prerequisite: "B" or better in BIO 235 and BIO 236, or BMS 230 and BMS 232, or BMS 231.
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Fall Odd

BIO 544 - Plant Physiology

Credit Hours: 4
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 544 and BIO 644.

Recommended Prerequisite: CHM 201 and CHM 202 or CHM 342 and CHM 345 (or CHM 342 taken prior to Fall 2019).

Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Demand

BIO 547 - Water Resources

Credit Hours: 3
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.

Prerequisite: BIO 122 or GLG 110 or GLG 114 or GRY 142.
Lecture contact hours: 3

Typically offered: Spring

BIO 550 - Statistical Methods for Biologists

Credit Hours: 3
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 550 and BIO 650.

Prerequisite: BIO 235 and BIO 236 or BMS 230 or BMS 231; and MTH 137 or higher.
Lecture contact hours: 3

Typically offered: Fall, Spring

BIO 551 - Experimental Design for Biologists

Credit Hours: 2
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 551 and BIO 651.

Prerequisite: "B-" or better in BIO 550.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall

BIO 555 - Marine Ichthyology

Credit Hours: 3
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 555 and BIO 654.

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.
Corequisite: BIO 556
Lecture contact hours: 3

Typically offered: Summer

BIO 556 - Marine Ichthyology Lab

Credit Hours: 3
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 556 and BIO 656.

Prerequisite: concurrent enrollment in BIO 555.
Corequisite: BIO 555
Lab contact hours: 6

Typically offered: Summer

BIO 557 - Marine Fisheries Management

Credit Hours: 2
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 557 and BIO 657.

Prerequisite: permission of instructor; and concurrent enrollment in BIO 558.
Corequisite: BIO 558
Lecture contact hours: 2

Typically offered: Summer

BIO 558 - Marine Fisheries Management Lab

Credit Hours: 2
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 558 and BIO 658.

Prerequisite: concurrent enrollment in BIO 557.
Corequisite: BIO 557
Lab contact hours: 4

Typically offered: Summer

BIO 560 - Population Genetics and Evolutionary Mechanisms

Credit Hours: 3
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 560 and BIO 659.

Prerequisite: BIO 235 and BIO 236.
Lecture contact hours: 3

Typically offered: Demand

BIO 561 - Environmental Issues Education and Interpretation

Credit Hours: 2
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.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

BIO 562 - Limnology

Credit Hours: 4
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 562 and BIO 662.

Prerequisite: BIO 367 and BIO 368.
Recommended Prerequisite: CHM 171 or higher.

Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Fall

BIO 563 - Population Ecology

Credit Hours: 3
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 563 and BIO 663.

Prerequisite: BIO 367 and BIO 368; and MTH 138 or higher.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring Even

BIO 564 - Ozarks Natural Communities

Credit Hours: 2
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.

Recommended Prerequisite: BIO 367 and BIO 368.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

BIO 565 - Marine Ecology

Credit Hours: 3
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 565 and BIO 665.

Prerequisite: 16 hours of biology including BIO 121 and BIO 122; and concurrent enrollment in BIO 566.
Corequisite: BIO 566
Lecture contact hours: 3

Typically offered: Summer

BIO 566 - Marine Ecology Lab

Credit Hours: 2
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 566 and BIO 666.

Prerequisite: concurrent enrollment in BIO 565.
Corequisite: BIO 565
Lab contact hours: 4

Typically offered: Summer

BIO 567 - Physiological Ecology

Credit Hours: 4
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 567 and BIO 668.

Prerequisite: BIO 367 and BIO 368; and either BIO 361 or BIO 544 or BMS 308.
Lecture contact hours: 4

Typically offered: Spring Odd

BIO 571 - Comparative Animal Physiology

Credit Hours: 4
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 571 and BIO 671.

Prerequisite: BIO 361 or BMS 308.
Lecture contact hours: 3 **Lab contact hours:** 3

Typically offered: Spring Odd

BIO 573 - Ornithology

Credit Hours: 3
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 573 and BIO 673. Public Affairs Capstone Experience course.

Prerequisite: 12 hours of biology.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

BIO 574 - Aquatic Entomology

Credit Hours: 2
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 574 and BIO 674. Public Affairs Capstone Experience course.

Prerequisite: BIO 367 and BIO 368 or BIO 370 or BIO 371 or AGP 581.

Lecture contact hours: 1 **Lab contact hours:** 3

Typically offered: Demand

BIO 575 - Ichthyology

Credit Hours: 3
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 575 and BIO 675. Public Affairs Capstone Experience course.

Prerequisite: 12 hours in biology.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

BIO 576 - Herpetology

Credit Hours: 3
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 576 and BIO 676. Public Affairs Capstone Experience course.

Prerequisite: 12 hours in biology.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

BIO 577 - Mammalogy

Credit Hours: 3
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 577 and BIO 677. Public Affairs Capstone Experience course.

Prerequisite: 12 hours in biology.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

BIO 578 - Behavioral Ecology

Credit Hours: 4
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 578 and BIO 678. Public Affairs Capstone Experience course.

Recommended Prerequisite: BIO 367 and BIO 368 and BIO 550.

Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Spring

BIO 579 - Conservation Biology

Credit Hours: 3
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 579 and BIO 679. Public Affairs Capstone Experience course.

Prerequisite: GRY 108 or BIO 367 and BIO 368.
Lecture contact hours: 3

Typically offered: Demand

BIO 584 - Fish Ecology

Credit Hours: 3
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 584 and BIO 686. Public Affairs Capstone Experience course.

Prerequisite: BIO 367 and BIO 368 and BIO 575.
Lecture contact hours: 3

Typically offered: Spring

BIO 587 - Marine Invertebrate Zoology

Credit Hours: 3
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 587 and BIO 687.

Prerequisite: 16 hours in biology; and concurrent enrollment in BIO 588.
Corequisite: BIO 588
Lecture contact hours: 3

Typically offered: Summer

BIO 588 - Marine Invertebrate Zoology Lab

Credit Hours: 3
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 588 and BIO 688.

Prerequisite: concurrent enrollment in BIO 587.
Corequisite: BIO 587
Lab contact hours: 6

Typically offered: Summer

BIO 589 - Game Management

Credit Hours: 3
Management of game birds and mammals for recreational utilization. May be taught concurrently with BIO 689. Cannot receive credit for both BIO 589 and BIO 689. Public Affairs Capstone Experience course.

Prerequisite: BIO 373.
Lecture contact hours: 3

Typically offered: Demand

BIO 597 - Topics in Biology

Credit Hours: 1-4
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 597 and BIO 697.

Prerequisite: permission of instructor.
Typically offered: Demand

Biomedical Sciences

BMS 100 - Essentials in Human Biology

Credit Hours: 3
General Education Course: Focus on Life Sciences **CORE 42:** MOTR number LIFS 100 - Essentials in Human Biology.

A lecture course designed to help non-science majors who want to understand the biological basis of human life but do not plan on further study in the life sciences. This course is designed to introduce major concepts and principles in human biology. Topics include cell biology, the chemical basis of life, human genetics, and the basics of human anatomy and physiology. Current bioethical issues and human disease are emphasized through discussion and assignments. Cannot receive credit for both BMS 100 and BMS 110.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

Access the CORE 42 Portal

BMS 101 - Essentials in Human Biology Laboratory

Credit Hours: 1
General Education Course: Focus on Life Sciences **CORE 42:** MOTR number LIFS 100L - Essentials in Human Biology with Lab.

A laboratory course designed to help non-science majors understand the biological basis of human life but who are not planning on further study in the life sciences. This laboratory course emphasizes scientific observation and investigation in topics including cell biology, the chemical basis of life, human genetics, and basic human anatomy and

physiology. Cannot receive credit for both BMS 101 and BMS 111.

Prerequisite: BMS 100 or concurrent enrollment.
Lab contact hours: 2

Typically offered: Spring

Access the CORE 42 Portal

BMS 110 - Introduction to Human Biology

Credit Hours: 3
General Education Course: Focus on Life Sciences **CORE 42:** MOTR number LIFS 150 - Human Biology.

An introduction to concepts and techniques related to human anatomy, human physiology, cellular biology, and human genetics. 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.

Prerequisite: concurrent enrollment in ENG 105 or eligibility for ENG 110 .
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

Access the CORE 42 Portal

BMS 111 - Introduction to Human Biology Laboratory

Credit Hours: 1
General Education Course: Focus on Life Sciences **CORE 42:** MOTR number LIFS 150L - Human Biology with Lab.

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.

Prerequisite: BMS 110 or concurrent enrollment; and concurrent enrollment in ENG 105 or eligibility for ENG 110 .
Lab contact hours: 2

Typically offered: Fall, Spring, Summer

Access the CORE 42 Portal

BMS 113 - Introduction to Medical Laboratory Sciences

Credit Hours: 2
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.

Lab contact hours: 3

Typically offered: Spring

BMS 195 - Introduction to the Health Professions

Credit Hours: 1
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.

Prerequisite: freshman or sophomore standing only.
Recommended Prerequisite: enroll in IDS 120 in the fall semester.

Lab contact hours: 2

Typically offered: Spring

BMS 207 - Preparing for Human Anatomy

Credit Hours: 2
This course is offered as an option to bridge the gap between introductory courses and BMS 307. This course emphasizes study strategies for human anatomy and critical thinking skills to solve complex anatomical problems.

Prerequisite: C- grade or better in BMS 110 and BMS 111 or in BIO 121.
Lecture contact hours: 2

Typically offered: Fall, Spring

BMS 230 - Human Genetics

Credit Hours: 3
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.

Prerequisite: C grade or better in BMS 110 and BMS 111 or in BIO 121; and eligibility for MTH 134 or MTH 136.
Lecture contact hours: 3

Typically offered: Fall, Spring

BMS 231 - Human Genetics with Laboratory

Credit Hours: 4
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.

Prerequisite: C grade or better in BMS 110 and BMS 111 or in BIO 121; and eligibility for MTH 134 or MTH 136; and Biomedical Sciences or Clinical Laboratory Science-Medical Technology major or Biomedical Sciences minor.

Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

BMS 232 - Human Genetics Laboratory

Credit Hours: 1
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.

Prerequisite: BMS 230.
Lab contact hours: 2

Typically offered: Fall, Spring

BMS 260 - Biology of Aging

Credit Hours: 3
The physiology and biology of aging in humans. Designed for gerontology majors.

Prerequisite: BMS 110 and BMS 111 or BIO 121.
Lecture contact hours: 3

Typically offered: Fall

BMS 298 - Introduction to Biomedical Research

Credit Hours: 1
This course prepares students for independent undergraduate biomedical research. Students will gain experience with the scientific method, scientific literature, common laboratory skills and techniques, methods of data analysis, and scientific record keeping. Students will gain a better understanding of the biomedical sciences in general and an appreciation for how science is conducted in a laboratory setting.

Prerequisite: freshman or sophomore standing; or permission of instructor.
Lab contact hours: 2

Typically offered: Fall, Spring

BMS 300 - Service-Learning in Biomedical Sciences

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent enrollment in a Biomedical Sciences course designated as service-learning

offering.
Typically offered: Fall, Spring

BMS 307 - Human Anatomy

Credit Hours: 4
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.

Prerequisite: C grade or better in BMS 110 and BMS 111 or in BIO 122, or B grade or better in BMS 207.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

BMS 308 - Human Physiology

Credit Hours: 4
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 C grade 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.

Prerequisite: C grade or better in BMS 307 or BIO 380; and C grade or better in CHM 116 or CHM 160.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

BMS 310 - Nutrition and Physical Activity in Aging

Credit Hours: 3
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.

Prerequisite: BMS 260 or BMS 308.
Lecture contact hours: 3

Typically offered: Spring

BMS 317 - Medical Microbiology

Credit Hours: 3
This course focuses on human microbial pathogens including viruses, bacteria, fungi, protozoa, and parasites. Emphasis will be placed on structure and characteristics of the classes of microbes, host-microbial interaction, mechanisms and routes of transmission, antibiotic resistance, and pathogenesis. Microbial isolation and culturing, identification, and differential/clinical assays will be studied in the laboratory portion of the course.

Prerequisite: C- grade or better in BMS 231, or BMS 230 and BMS 232, or BIO 235 and BIO 236; and C- grade or better in CHM 116 and CHM 117, or CHM 160 and CHM 161.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

BMS 320 - Biomolecules and Metabolism

Credit Hours: 3
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.

Prerequisite: C grade or better in BMS 230 or BMS 231; and CHM 201 or CHM 342 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall, Spring

BMS 321 - Biomolecular Interactions

Credit Hours: 4
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.

Prerequisite: C grade or better in BMS 231 or in BMS 230 and BMS 232; and CHM 201 or CHM 342 or concurrent enrollment.
Lecture contact hours: 3 **Lab contact hours:** 3

Typically offered: Fall, Spring

BMS 322 - Laboratory Methods in the Biomedical Sciences

Credit Hours: 1
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.

Prerequisite: BMS 320.
Lab contact hours: 2

Typically offered: Demand

BMS 380 - Cooperative Education in Biomedical Sciences

Credit Hours: 1-3
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. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor.
Typically offered: Demand

BMS 400 - International Service-Learning

Credit Hours: 1-3
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.

Prerequisite: 30 hours and permission of instructor.
Typically offered: Demand

BMS 410 - Advancements in Biomedical Sciences

Credit Hours: 2
The course offers a review of the important milestones and advancements in the Biomedical Sciences that have led to an improvement in the understanding of human health and disease. The relevant physiology, pathophysiology, and molecular biology of topics will be discussed.

Prerequisite: C- grade or better in BMS 308 or BMS 442 .
Lecture contact hours: 2

Typically offered: Spring

BMS 417 - Anatomy of Injury and Disease

Credit Hours: 4
The course offers an in-depth examination of selected clinical gross anatomy topics of interest to future health care providers through presentation of various states of disease and injury. It reinforces and builds on the concepts included in BMS 307 in entirely clinical contexts. This course emphasizes the anatomy of musculoskeletal and neurologic conditions, as well as disorders of the cardiopulmonary, gastrointestinal, endocrine, and reproductive systems. The included lab experience includes physical examination techniques and anatomic review of human cadavers, models, and radiographs.

Prerequisite: C grade or better in BMS 307; and BMS 308 or BMS 442.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Spring

BMS 442 - Physiology of the Human Cell

Credit Hours: 3
The molecular, chemical, membrane and cellular basis of metabolic homeostatic processes in human 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.

Prerequisite: C grade or better in BMS 307; and BMS 321 or BIO 320 or CHM 352 or CHM 554 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall

BMS 450 - Clinical Biomechanics

Credit Hours: 3
This course provides the basis for understanding human biomechanical fundamentals and principles. Biological tissue reactions to force will be discussed, as well as analysis of normal motion emphasizing orthopedic biomechanics and neuromuscular control. Relevant clinical correlations and application of biomechanical principles to injury and disease will be presented.

Prerequisite: BMS 307.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

BMS 460 - Biology of HIV/AIDS

Credit Hours: 1
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.

Prerequisite: BMS 100 and BMS 111 or BMS 110 and BMS 111 or BIO 121 or BIO 101 and BIO 111, and 60 hours.
Lecture contact hours: 1

Typically offered: Demand

BMS 490 - Peer Instruction in Biomedical Sciences

Credit Hours: 3
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 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.

Prerequisite: admitted to Biomedical Sciences, Clinical Laboratory Sciences-Medical Technology, or Nutrition and Dietetics major; and 60 hours; and permission of course director.
Typically offered: Fall, Spring

BMS 494 - Senior Seminar

Credit Hours: 1
Discussion of emerging topics and issues in the biomedical sciences. 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 comprehensive, standardized subject assessment examination and seminar attendance is required. Public Affairs Capstone Experience course.

Prerequisite: C grade or better in BMS 308 or BMS 321; and 90 hours.
Lab contact hours: 2

Typically offered: Fall, Spring

BMS 497 - Topics in Biomedical Sciences I

Credit Hours: 1-3
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.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

BMS 498 - Undergraduate Research

Credit Hours: 1-3
Individualized and directed research. May be repeated to a maximum of eight hours.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring, Summer

BMS 499 - Projects in the Biomedical Sciences

Credit Hours: 1-3
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.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

BMS 500 - Special Topics in Biomedical Sciences II

Credit Hours: 1-4
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.

Prerequisite: permission of department head.
Typically offered: Demand

BMS 503 - Epigenetics and Human Health

Credit Hours: 3
Includes principles of epigenetic regulation of gene expression (e.g. chromatin, DNA modifications, non-coding RNA, and RNA editing). Discussion topics include regulation of these events, and molecular techniques that detect epigenetic marks. Furthermore, students will investigate recent literature to describe current understanding of relationships between epigenetic mechanisms, the environment (e.g. aging, diet, exercise, chemical exposure, malignancies), and organismal fitness. Identical with BIO 503. May be taught concurrently with BMS 603. Can only receive credit for one of the following: BIO 503, BIO 603, BMS 503, BMS 603.

Prerequisite: C- or better in BIO 320 or BIO 355 or BMS 321.
Lecture contact hours: 3

Typically offered: Spring

BMS 507 - Advanced Human Anatomy Laboratory

Credit Hours: 3
This course is designed for upper-level undergraduate students who desire an advanced understanding of human anatomy, especially those who intend to pursue a career in the health professions. Through the use of cadaveric dissection, prosections, anatomical models, and skeletal material, the student will explore the structural details of the human body, with a particular emphasis on functional anatomy and clinical correlations. This course will be an intensive learning experience for motivated undergraduates.

Prerequisite: B grade or better in BMS 307; and permission of the instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall, Spring

BMS 514 - Scanning Electron Microscopy

Credit Hours: 2
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.

Prerequisite: 60 hours.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall

BMS 520 - Medical Cell Biology

Credit Hours: 3
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 BMS 521. May be taught concurrently with BMS 620 . Cannot receive credit for both BMS 520 and BMS 620.

Prerequisite: C grade or better in BMS 320 or BMS 321.
Lecture contact hours: 3

Typically offered: Fall, Spring

BMS 521 - Molecular Cell Biology

Credit Hours: 4
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.

Prerequisite: C grade or better in BMS 321; and CHM 201 and CHM 202 or CHM 342.
Lecture contact hours: 3 **Lab contact hours:** 3

Typically offered: Fall, Spring

BMS 524 - Virology

Credit Hours: 3
The molecular biology and pathogenicity of animal viruses with an emphasis on human viral pathogens. May be taught concurrently with BMS 624. Cannot receive credit for both BMS 524 and BMS 624.

Prerequisite: C grade or better in BMS 317; or 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 BIO 320; or C grade or better in BMS 521.
Lecture contact hours: 3

Typically offered: Spring

BMS 525 - Molecular Biology

Credit Hours: 4
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.

Prerequisite: C grade or better in BMS 521 or BIO 320.
Lecture contact hours: 3 **Lab contact hours:** 3

Typically offered: Fall, Spring

BMS 528 - Molecular Mechanisms of Bacterial Pathogenesis

Credit Hours: 2
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.

Prerequisite: BMS 521.
Lecture contact hours: 2

Typically offered: Fall

BMS 529 - Molecular Genetics

Credit Hours: 3
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.

Prerequisite: C grade or better in BMS 525.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall

BMS 530 - Cell Biology of Cancer

Credit Hours: 2
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.

Prerequisite: C grade or better in BMS 521 or 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 BIO 320.
Lecture contact hours: 2

Typically offered: Spring

BMS 535 - Signal Transduction

Credit Hours: 2
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 635. Cannot receive credit for both BMS 535 and BMS 635.

Prerequisite: BMS 521.
Lecture contact hours: 2

Typically offered: Spring

BMS 540 - Biotechnology

Credit Hours: 2
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.

Prerequisite: C grade or better in BMS 321 or 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 BIO 320 or CHM 352.
Lecture contact hours: 2

Typically offered: Spring

BMS 542 - Physiology of Human Organ Systems

Credit Hours: 3
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.

Prerequisite: C grade or better in BMS 442.

Lecture contact hours: 3

Typically offered: Spring

BMS 558 - Recombinant DNA and Protein Techniques

Credit Hours: 3
A laboratory intensive course designed to extend the biochemical and molecular biology principles and current techniques used in gene cloning, transformation of eukaryotic cells, gene expression through reverse transcriptase PCR and western blot analysis, immunoprecipitation, DNA sequencing, and mass spectrometry. May be taught concurrently with BMS 658. Cannot receive credit for both BMS 558 and BMS 658.

Prerequisite: C grade or better in BMS 521.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall, Spring

BMS 561 - Medical and Pathologic Physiology

Credit Hours: 3
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.

Prerequisite: C grade or better in BMS 308, or C grade or better in BMS 542 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Spring

BMS 562 - Medical Physiology Laboratory

Credit Hours: 1
Experience using laboratory techniques and case studies to enhance knowledge of human physiology. May be taught concurrently with BMS 660. Cannot receive credit for both BMS 562 and BMS 660.

Prerequisite: C grade or better in BMS 442; and concurrent enrollment in BMS 542.
Lab contact hours: 2

Typically offered: Fall, Spring

BMS 563 - Human Work Physiology

Credit Hours: 3
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.

Prerequisite: C grade or better in BMS 308; or C grade or better in BMS 442 and concurrent enrollment in BMS 542.
Lecture contact hours: 3

Typically offered: Spring

BMS 564 - Human Reproductive Physiology

Credit Hours: 2
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 664. Cannot receive credit for both BMS 564 and BMS 664.

Prerequisite: C grade or better in BMS 308 or BMS 442; and either BMS 321 or CHM 352.
Lecture contact hours: 2

Typically offered: Demand

BMS 565 - Human Cardiopulmonary Physiology

Credit Hours: 3
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.

Prerequisite: C grade or better in BMS 308 or BMS 542; and either BMS 321 or CHM 352.
Lecture contact hours: 3

Typically offered: Fall

BMS 567 - Physiology of Exercise Metabolism

Credit Hours: 4
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.

Prerequisite: C grade or better in BMS 308 and C grade or better in DTN 240.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

BMS 569 - Neurobiology

Credit Hours: 3
Study of the human nervous system includes neuroanatomy and principles of function. This course will focus on fundamental organization and function of human nervous system and associated neurological diseases. Core concepts and mechanisms underlying the central and peripheral nervous system controlling movement, sensation, and cognition will be covered. May be taught concurrently with BMS 669. Cannot receive credit for both BMS 569 and BMS 669.

Prerequisite: C grade or better in BMS 308 or BMS 442.
Lecture contact hours: 3

Typically offered: Spring

BMS 570 - Principles of Pharmacology

Credit Hours: 3
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.

Prerequisite: C grade or better in BMS 308 or BMS 442 or BMS 521 or BIO 361.
Lecture contact hours: 3

Typically offered: Spring

BMS 571 - Gastrointestinal Physiology

Credit Hours: 2
Structure and function of the gastrointestinal system including pathophysiology of common clinical conditions. May be taught concurrently with BMS 671. Cannot receive credit for both BMS 571 and BMS 671.

Prerequisite: C grade or better in BMS 308, or C grade or better in BMS 542 or concurrent enrollment.
Lecture contact hours: 2

Typically offered: Fall, Spring, Summer

BMS 572 - Human Renal Physiology

Credit Hours: 2
An overview of the structure and functions of the human kidneys, associated organs, and diseases. The course emphasizes important cellular and molecular mechanisms regulating body fluids, body electrolytes, renal circulation, and renal functions under physiological and pathophysiological conditions. May be taught concurrently with BMS 672. Cannot receive credit for both BMS 572 and BMS 672.

Prerequisite: C grade or better in BMS 308 or BMS 442.
Lecture contact hours: 2

Typically offered: Fall, Summer

BMS 573 - Endocrine Physiology

Credit Hours: 2
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.

Prerequisite: C or better in either BMS 308 or BMS 442 and either BMS 321 or CHM 352.
Lecture contact hours: 2

Typically offered: Demand

BMS 575 - Human Cardiovascular Physiology

Credit Hours: 2
A cellular and molecular study of human cardiovascular regulation and related diseases. Emphasis will be on the molecular mechanisms for normal and abnormal functions of the blood, the blood vessels, and the heart. Current research topics and results will be introduced and discussed. May be taught concurrently with BMS 675. Cannot receive credit for both BMS 575 and BMS 675.

Prerequisite: C or better or concurrent enrollment in BMS 542; or C or better in BMS 308.
Lecture contact hours: 2

Typically offered: Fall, Spring

BMS 576 - Human Respiratory Physiology

Credit Hours: 2
A cellular and molecular study of human respiratory system regulation and related diseases. Emphasis will be on the molecular mechanisms for normal and abnormal functions of the lungs, red blood cells, and gas diffusion. Current research topics and results will be introduced and discussed. May be taught concurrently with BMS 676. Cannot receive credit for both BMS 576 and BMS 676.

Prerequisite: C or better or concurrent enrollment in BMS 542; or C or better in BMS 308.
Lecture contact hours: 2

Typically offered: Fall, Spring

BMS 582 - Embryology

Credit Hours: 3
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.

Prerequisite: C grade or better in BMS 307 or BIO 380.
Lecture contact hours: 3

Typically offered: Spring

BMS 585 - Histology

Credit Hours: 4
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.

Prerequisite: BMS 308 or BMS 542 or BIO 361 and BIO 380 .
Recommended Prerequisite: BMS 521.

Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Fall

BMS 593 - Bioinformatics and Biomedical Resources

Credit Hours: 2
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.

Prerequisite: C or better in BMS 321.
Lecture contact hours: 2

Typically offered: Fall, Spring

BMS 599 - Health Literacy in the Human Services

Credit Hours: 3
This 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 IPE 599 and SWK 599. May be taught concurrently with PBH 699 and SWK 696. May only receive credit for one of the following: BMS 599, IPE 599, SWK 599, PBH 699, or SWK 696.

Lecture contact hours: 3

Typically offered: Demand

Business

BUS 135 - Introduction to Business

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

BUS 200 - Topics in Business

Credit Hours: 1-3
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.

Typically offered: Demand

BUS 303 - History of Business

Credit Hours: 2
History of business; contributions of individuals and companies in evolution of modern business principles and practices.

Prerequisite: undergraduate business majors must be admitted to degree program.
Lecture contact hours: 2

Typically offered: Demand

BUS 305 - Service-Learning in Business

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in a Finance, Economics and Risk Management department course designated as a service-learning offering; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

BUS 307 - Business in the Community

Credit Hours: 2
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.

Prerequisite: undergraduate business majors must be admitted to degree program.
Typically offered: Demand

BUS 392 - International Education Abroad in Business

Credit Hours: 3
Offered in conjunction with an international Education Abroad 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.

Prerequisite: acceptance into the related Education Abroad program; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

BUS 394 - Cooperative Education in Business

Credit Hours: 1-3
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.

Prerequisite: acceptance into Cooperative Education Program and permission of department head; undergraduate business majors must be admitted to degree program.
Typically offered: Demand

BUS 395 - Domestic Field Experience in Business

Credit Hours: 3
Offered in conjunction with a domestic field experience through the Office of Education Abroad, 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.

Prerequisite: acceptance into the related field experience program; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

BUS 397 - Topics in Business

Credit Hours: 1-3
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.

Prerequisite: undergraduate business majors must be admitted to degree program.
Typically offered: Demand

BUS 494 - Internship

Credit Hours: 1-3
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.

Prerequisite: 80 hours; academic preparation in the field of internship; permission of department head; and

undergraduate business majors must be admitted to degree program.
Typically offered: Fall, Spring, Summer

BUS 510 - E-Business and Online Entrepreneurship

Credit Hours: 3
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.

Prerequisite: 54 hours; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Summer

BUS 550 - Negotiation, Mediation, and Arbitration in Business

Credit Hours: 3
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.

Prerequisite: 60 hours; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

Career and Technical Education

CTE 110 - Housing, Environments, and Design

Credit Hours: 3
Examines physical, psychological and sociological influences that impact families in various living environments.

Lecture contact hours: 3

Typically offered: Spring

CTE 120 - Family Health and Nutrition

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

CTE 197 - Introductory Topics in Career and Technical Education

Credit Hours: 1-3
Variable content course for introductory concepts in Career and Technical Education. May be repeated to a maximum of six hours when topics change.

Typically offered: Demand

CTE 299 - Work Experience

Credit Hours: 2
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.

Prerequisite: permission of subject matter faculty member or coordinator.
Lab contact hours: 4

Typically offered: Fall, Spring

CTE 300 - Special Topics in Career and Technical Education

Credit Hours: 1-3
Selected topics of contemporary interest in Career and Technical Education, offered when resources and demand allow. Variable content course. May be repeated to a maximum of six hours when topics change.

Typically offered: Demand

CTE 301 - Textiles, Apparel, and Fashion

Credit Hours: 3
Textiles and apparel course for teachers of Career and Technical Education. 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.

Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Spring

CTE 302 - Career and Technical Education Study Tour

Credit Hours: 1-4
Study of mills, factories, stores, hospitals, laboratories, hospitality facilities, museums, design studios, historic sites, and/or trade markets, and not-for-profit agencies.

Typically offered: Demand

CTE 303 - Service-Learning in Career and Technical Education

Credit Hours: 1
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, 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.

Prerequisite: 30 hours and concurrent registration in a designated service-learning offering within one of the major areas of study in Career and Technical Education.
Typically offered: Fall, Spring

CTE 335 - Presentation Techniques

Credit Hours: 4
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.

Prerequisite: COM 115 and 45 hours.
Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Spring

CTE 373 - Family Economics

Credit Hours: 3
Family as a consumer unit, its financial well-being and interrelationship with the market and the economy.

Recommended Prerequisite: ECO 155.

Lecture contact hours: 3

Typically offered: Fall, Spring

CTE 400 - Problems in Career and Technical Education

Credit Hours: 1-3
Independent study for those who wish additional work in specific subject areas.

Typically offered: Demand

CTE 472 - Resource Management Theory and Practicum

Credit Hours: 3
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.

Prerequisite: CFD 163 and CTE 373.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

CTE 477 - Seminar in Home Management and Family Economics

Credit Hours: 2
Readings, discussion and analysis of trends and developments in home management and family economics.

Prerequisite: senior standing and major in Family and Consumer Science BSEd program.
Lab contact hours: 2

Typically offered: Spring

CTE 493 - Supervised Teaching (Career and Technical Education)

Credit Hours: 6
Student observes then teaches career and technical 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.

Prerequisite: completion of all methods courses in career and technical education; can be taken concurrently with CTE 515 ; and C grade or better in all professional education courses; and current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in CTE 494.
Corequisite: CTE 494
Typically offered: Fall, Spring

CTE 494 - Supervised Teaching (Career and Technical Education)

Credit Hours: 6
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.

Prerequisite: concurrent enrollment in CTE 493.
Corequisite: CTE 493
Typically offered: Fall, Spring

CTE 498 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

CTE 499 - Internship in Career and Technical Education

Credit Hours: 1-6
Off-campus, supervised experience in a cooperative program with business, government, community, or related establishments within any of the specialized areas of career and technical education. 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.

Prerequisite: permission of subject matter faculty member.
Typically offered: Demand

CTE 500 - Issues in Career and Technical Education

Credit Hours: 1-3
Advanced inquiry into specialized areas of study in career and technical education: Blended Families, Historic Building Preservation, Textile Conservation, Preservation Techniques, Advanced Culinary Techniques, and International Trends in Hospitality. Variable content course. May be repeated to a maximum of six hours when topics change. May be taught concurrently with CTE 600. Cannot receive credit for both CTE 500 and CTE 600.

Prerequisite: senior standing.
Typically offered: Demand

CTE 502 - Study Tour

Credit Hours: 1-3
Study of and/or visits to mills, factories, stores, museums, hospitals, laboratories, design studios and/or trade markets. May be taught concurrently with CTE 602. Cannot receive credit for both CTE 502 and CTE 602.

Prerequisite: junior or senior standing.
Typically offered: Demand

CTE 507 - Student Organizations in Career and Technical Education

Credit Hours: 1
Methods of organizing student groups in career and technical education programs, techniques of working with students in individual and group projects; leadership training. May be taught concurrently with CTE 607. Cannot receive credit for both CTE 507 and CTE 607.

Prerequisite: CTE 335; and concurrent enrollment in CTE 512.
Corequisite: CTE 512
Lecture contact hours: 1

Typically offered: Fall

CTE 512 - Teaching Career and Technical Education

Credit Hours: 3
An overview of the philosophy and history of career and technology 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 career and technology education 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 CTE 612. Cannot receive credit for both CTE 512 and CTE 612.

Prerequisite: CTE 335; and concurrent enrollment in CTE 507; and admitted to Teacher Education.
Corequisite: CTE 507
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

CTE 515 - Organization of Career and Technical Education Programs

Credit Hours: 3
Investigation of the organization and administration of Career and Technical Education programs; identification of types of programs; program planning, program evaluation and career counseling with emphasis on critical thinking and reflective decision-making. Cannot not be taken Pass/Not Pass. May be taught concurrently with CTE 615. Cannot receive credit for both CTE 515 and CTE 615.

Prerequisite: CTE 507 and CTE 512; and admitted to Teacher Education.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

Child and Family Development

CFD 110 - Health, Safety and Nutrition

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

CFD 150 - Introduction to Child and Family Development

Credit Hours: 1
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.

Prerequisite: permission of instructor.
Lecture contact hours: 1

Typically offered: Fall, Spring

CFD 155 - Principles of Human Development

Credit Hours: 3
General Education Course: Focus on Social and Behavioral Sciences **CORE 42:** MOTR number PSYC 200 - Lifespan Human Development.

Basic principles that govern human development from the prenatal period to death; developmental tasks and interrelations of family members through the life span.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

CFD 160 - Principles of Development in Early Childhood

Credit Hours: 3
Development of the child from conception through 8 years of age including weekly laboratory experience with preschool children.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

CFD 163 - Relationships in Today's Families

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

CFD 197 - Introductory Topics in Child and Family Development

Credit Hours: 1-3
Variable content course for introductory concepts in Child and Family Development. May be repeated to a maximum of six hours when topics change.

Typically offered: Demand

CFD 250 - Parenting in Contemporary Society

Credit Hours: 3
Explores parenting and child rearing in today's society.

Lecture contact hours: 3

Typically offered: Fall

CFD 255 - Principles of Development in Infancy

Credit Hours: 3
Child from conception through two years, including prenatal environment. Two hours laboratory experience weekly in infant-toddler child development laboratory.

Prerequisite: CFD 160.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

CFD 256 - Supervised Experience in the Infant Toddler Center

Credit Hours: 1
Experience in applying effective techniques that optimize infant toddler development with 2-hours per week of participation in the infant toddler laboratory.

Lab contact hours: 2

Typically offered: Demand

CFD 257 - Principles of Development in Middle Childhood

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

CFD 260 - Observing, Assessing, and Creating Activities for Young Children

Credit Hours: 4
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.

Prerequisite: CFD 160.
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Fall, Spring

CFD 300 - Special Topics in Child and Family Development

Credit Hours: 1-3
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.

Prerequisite: permission of school.
Typically offered: Demand

CFD 301 - Play as Development

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

CFD 303 - Service-Learning: Child and Family Development

Credit Hours: 1
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.

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.
Typically offered: Demand

CFD 304 - Outdoor Play

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

CFD 305 - Multicultural Studies in Child and Family Development

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

CFD 306 - Death, Separation, and Loss

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring, Summer

CFD 350 - Seminar in Child and Family Development

Credit Hours: 3
Readings, discussion and analysis of trends and issues in child and family development.

Lecture contact hours: 3

Typically offered: Demand

CFD 353 - Childhood Illnesses, Injuries, Diseases and Disorders

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Summer

CFD 354 - Working with the Hospitalized Child Pre-Internship Experience

Credit Hours: 4
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 pre-internship experience under the supervision of a Certified Child Life Specialist within a child life program at a local hospital.

Prerequisite: admission into the CFD major-Child Life Option and CFD 160 and CFD 260.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall

CFD 360 - Planning and Implementing Curriculum for Child Development Centers

Credit Hours: 5
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.

Prerequisite: CFD 260.
Lecture contact hours: 2 **Lab contact hours:** 6

Typically offered: Spring

CFD 361 - Principles of Family Development

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

CFD 365 - Families in Later Life

Credit Hours: 3
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.

Prerequisite: PSY 121; and CFD 155 or CFD 163 or 30 hours.
Lecture contact hours: 3

Typically offered: Fall

CFD 366 - Preparation for the Professional Internship

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Fall, Spring

CFD 400 - Problems in Child and Family Development

Credit Hours: 1-3
Independent study for those who wish additional work in specific subject areas.

Prerequisite: 90 hours and permission.
Typically offered: Demand

CFD 454 - Therapeutic Play Activities for Hospitalized Children Pre-Internship Experience

Credit Hours: 3
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 pre-internship experience under the supervision of a Certified Child Life Specialist within a child life program at a local hospital.

Prerequisite: admission into the CFD major-Child Life Option and CFD 354.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

CFD 455 - Infants and Toddlers: Development and Program Planning

Credit Hours: 4
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.

Prerequisite: CFD 260 and 60 hours.
Lecture contact hours: 3 **Lab contact hours:** 3

Typically offered: Fall, Spring, Summer

CFD 466 - Internship in Programs for Children, Youth, Adults, and Families

Credit Hours: 6
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.

Prerequisite: CFD 366.
Lab contact hours: 12

Typically offered: Fall, Spring, Summer

CFD 499 - Practicum in Child and Family Development

Credit Hours: 1-6
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.

Prerequisite: permission of subject matter professor.
Typically offered: Demand

CFD 500 - Issues in Child and Family Development

Credit Hours: 1-3
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 500 and CFD 600.

Prerequisite: permission.
Typically offered: Demand

CFD 505 - Trends and Issues in Youth Development

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

CFD 510 - Child Life Theory and Practice

Credit Hours: 3
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.

Prerequisite: admission into the CFD major-Child Life Option; and CFD 354 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall, Spring

CFD 532 - Family Advocacy

Credit Hours: 3
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 532 and CFD 632.

Lecture contact hours: 3

Typically offered: Fall, Spring

CFD 533 - Principles of Family Life Education

Credit Hours: 4
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 533 and CFD 633.

Prerequisite: junior standing.
Lecture contact hours: 4

Typically offered: Fall

CFD 534 - Applied Interpersonal Communication Skills

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

CFD 557 - Growth and Development: Middle Childhood to Adolescence

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

CFD 560 - Family Engagement

Credit Hours: 3
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 560 and CFD 660.

Lecture contact hours: 3

Typically offered: Fall, Spring

CFD 562 - Prevention of Child Abuse and Neglect

Credit Hours: 3
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 562 and CFD 662.

Lecture contact hours: 3

Typically offered: Fall, Spring

CFD 563 - Administration of Programs for Children and Families

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

CFD 580 - Introduction to Research in Child and Family Development

Credit Hours: 3
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.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

Chinese

CHI 101 - Elementary Chinese I

Credit Hours: 3
CORE 42: MOTR number LANG 105 - Foreign Language 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.

Lecture contact hours: 3

Typically offered: Fall

Access the CORE 42 Portal

CHI 102 - Elementary Chinese II

Credit Hours: 3
CORE 42: MOTR number LANG 106 - Foreign Language II.

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.

Prerequisite: C or better in CHI 101.
Lecture contact hours: 3

Typically offered: Spring

Access the CORE 42 Portal

CHI 201 - Intermediate Chinese I

Credit Hours: 3
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.

Prerequisite: C or better in CHI 102.
Lecture contact hours: 3

Typically offered: Fall

CHI 202 - Intermediate Chinese II

Credit Hours: 3
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.

Prerequisite: C or better in CHI 201.
Lecture contact hours: 3

Typically offered: Spring

CHI 297 - Special Topics in Chinese

Credit Hours: 1-6
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.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

CHI 311 - Chinese Reading and Conversation

Credit Hours: 3
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.

Prerequisite: CHI 202.
Lecture contact hours: 3

Typically offered: Demand

CHI 312 - Chinese Reading and Composition

Credit Hours: 3
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.

Prerequisite: CHI 202.
Lecture contact hours: 3

Typically offered: Demand

CHI 410 - Translation

Credit Hours: 3
Activities and exercises focused on oral and written translation for career fields. May be repeated once with different content.

Prerequisite: CHI 312.
Lecture contact hours: 3

Typically offered: Demand

CHI 415 - Business and Professional Chinese

Credit Hours: 3
Introduction to Chinese language and culture as used in business and selected professions. Variable content course. May be repeated once with different content.

Prerequisite: CHI 312 or above.
Lecture contact hours: 3

Typically offered: Demand

CHI 498 - Seminar Course in Chinese

Credit Hours: 1-6
Supervised independent study in Chinese language, literature, and culture. May be repeated to a maximum of six hours.

Prerequisite: C or better in CHI 202 or permission of instructor and department head.
Typically offered: Demand

Chemistry

CHM 107 - Chemistry for the Citizen

Credit Hours: 3
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number CHEM 100 - Essentials in Chemistry.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

CHM 108 - Chemistry for the Citizen Laboratory

Credit Hours: 1
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number CHEM 100L - Essentials in Chemistry with Lab.

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.

Prerequisite: C- grade or better in CHM 107 or concurrent enrollment.
Lab contact hours: 2

Typically offered: Fall, Spring

Access the CORE 42 Portal

CHM 116 - Fundamentals of Chemistry

Credit Hours: 4
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number CHEM 100 - Essentials in Chemistry.

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.

Lecture contact hours: 4

Typically offered: Fall, Spring

Access the CORE 42 Portal

CHM 117 - Fundamentals of Chemistry Laboratory

Credit Hours: 1
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number CHEM 100L - Essentials in Chemistry with Lab.

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.

Prerequisite: C- grade or better in CHM 116 or concurrent enrollment.
Lab contact hours: 2

Typically offered: Fall, Spring

Access the CORE 42 Portal

CHM 160 - General Chemistry I

Credit Hours: 4
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number CHEM 150 - Chemistry I.

Emphasis on fundamental and theoretical concepts of chemistry. Recommended for all science majors, chemistry majors and minors, and most preprofessional students. A C- grade or better is required in this course in order to take CHM 170 or CHM 171. Cannot be taken Pass/Not Pass.

Prerequisite: C- grade or better in MTH 101 or MTH 103 or MTH 130 or MTH 134 or MTH 136 or MTH 137 or MTH 138 or MTH 261 or MTH 287 or concurrent enrollment in MTH 101 or MTH 103 or eligibility for MTH 136 or higher; concurrent enrollment in CHM 161 is highly recommended.
Lecture contact hours: 4

Typically offered: Fall, Spring

Access the CORE 42 Portal

CHM 161 - General Chemistry I Laboratory

Credit Hours: 1
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number CHEM 150L - Chemistry I with Lab.

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 C- grade or better is required in this course in order to take CHM 171. Cannot be taken Pass/Not Pass.

Prerequisite: CHM 160 or concurrent enrollment.
Lab contact hours: 2

Typically offered: Fall, Spring

Access the CORE 42 Portal

CHM 170 - General Chemistry II

Credit Hours: 3
Emphasis on reaction kinetics, chemical equilibrium, precipitation reactions, acid-base theory and oxidation-reduction

reactions. A C- grade or better is required in this course in order to take CHM 342 or CHM 506. Cannot be taken Pass/Not Pass.

Prerequisite: C- grade or better in CHM 160; and C- grade or better in MTH 101 or MTH 103 or MTH 130 or MTH 134 or MTH 136 or MTH 137 or MTH 138 or MTH 261 or MTH 287 or eligibility for MTH 136 or higher; concurrent enrollment in CHM 171 is highly recommended.
Lecture contact hours: 3

Typically offered: Fall, Spring

CHM 171 - General Chemistry II Laboratory

Credit Hours: 1
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 C- grade or better is required in this course in order to take CHM 302. Cannot be taken Pass/Not Pass.

Prerequisite: CHM 170 or concurrent enrollment; and C- grade or better in CHM 160 and CHM 161.
Lab contact hours: 3

Typically offered: Fall, Spring

CHM 197 - Chemical Topics

Credit Hours: 1-3
Course devoted to a chemical topic of current, historical or theoretical interest**.** Variable content course. May be repeated provided topics are different.

Typically offered: Demand

CHM 201 - Essentials of Organic Chemistry

Credit Hours: 3
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.

Prerequisite: C- grade or better in CHM 116 or CHM 160.
Lecture contact hours: 3

Typically offered: Fall, Spring

CHM 202 - Essentials of Organic Chemistry Laboratory

Credit Hours: 2
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.

Prerequisite: C- grade or better in CHM 117 or CHM 161; and C- grade or better in CHM 201 or concurrent enrollment.
Lab contact hours: 4

Typically offered: Fall, Spring

CHM 240 - Glass Working

Credit Hours: 1
Instruction and practice in glass-working techniques needed to make simple apparatus.

Prerequisite: CHM 170.
Lab contact hours: 2

Typically offered: Demand

CHM 242 - Preparing for Organic Chemistry

Credit Hours: 1
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.

Prerequisite: C- grade or better in CHM 170 or concurrent enrollment.
Lecture contact hours: 1

Typically offered: Demand

CHM 260 - Principles of Environmental Chemistry

Credit Hours: 3
An introduction to chemical processes occurring in the atmosphere, natural waters and soil. Sources of pollution, effects and remediation strategies are emphasized.

Prerequisite: C- grade or better in CHM 116 and CHM 117 or in CHM 160.
Lecture contact hours: 3

Typically offered: Spring Even

CHM 300 - Service-Learning in Chemistry

Credit Hours: 1
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 Department of Chemistry and Biochemistry and the Citizenship and Service-Learning Office, prior to registration. May be repeated.

Prerequisite: 30 hours, and concurrent registration in a chemistry course designated as a service-learning offering.
Typically offered: Demand

CHM 302 - Introduction to Analytical Chemistry

Credit Hours: 5
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.

Prerequisite: C- grade or better in CHM 170 and CHM 171.
Lecture contact hours: 3 **Lab contact hours:** 4

Typically offered: Fall, Spring

CHM 342 - Organic Chemistry I

Credit Hours: 3
Systematic coverage of reactions and properties of organic compounds. A C- grade or better is required in this course in order to take CHM 343 or CHM 345. Cannot be taken Pass/Not Pass.

Prerequisite: C- grade or better in CHM 170.
Lecture contact hours: 3

Typically offered: Fall, Spring

CHM 343 - Organic Chemistry II

Credit Hours: 3
Continuation of CHM 342. A C- grade or better is required in this course in order to take CHM 445 or CHM 542. Cannot be taken Pass/Not Pass.

Prerequisite: C- grade or better in CHM 342.
Lecture contact hours: 3

Typically offered: Fall, Spring

CHM 345 - Microscale Organic Chemistry Laboratory

Credit Hours: 2
Learn and apply experimental techniques used in the microscale organic chemistry laboratory, including synthesis, isolation, and characterization of organic molecules. 2(1-3) F,S

Prerequisite: C- grade or better in CHM 171 and CHM 342.
Lecture contact hours: 1 **Lab contact hours:** 3

Typically offered: Fall, Spring

CHM 352 - Introduction to Biochemistry

Credit Hours: 3
Essentials of biochemistry; chemistry and metabolism of biologically important compounds. CHM 352 and CHM 554 cannot both be applied toward a Chemistry major or minor.

Prerequisite: C- grade or better in either [CHM 201 and CHM 202] or CHM 342.
Recommended Prerequisite: BIO 121 or BMS 110 and BMS 111.

Lecture contact hours: 3

Typically offered: Fall, Spring

CHM 353 - Introduction to Biochemistry Laboratory

Credit Hours: 2
Introduction to modern biochemical techniques including buffer preparation, chromatographic separations and spectrophotometric analysis of biomolecules. CHM 353 and CHM 555 cannot both be applied toward a chemistry major or minor.

Prerequisite: CHM 171 or [CHM 201 and CHM 202] or CHM 342; and CHM 352 or concurrent enrollment.
Lab contact hours: 4

Typically offered: Fall, Spring

CHM 375 - Inorganic Chemistry

Credit Hours: 3
Atomic structure, chemical bonding, acid/base and reduction/oxidation concepts, reactivity of inorganic compounds, chemistry of main group elements, fundamentals of coordination theory. A C- grade or better is required in this course in order to take CHM 575. May be taught concurrently with CHM 673. Cannot receive credit for both CHM 375 and CHM 673. Cannot be taken Pass/Not Pass.

Prerequisite: C- grade or better in CHM 170.
Lecture contact hours: 3

Typically offered: Fall

CHM 376 - Inorganic Preparation

Credit Hours: 2
Synthesis of inorganic compounds and measurements of physical and chemical properties of selected inorganic compounds.

Prerequisite: C- grade or better in CHM 171 and in CHM 375.
Lab contact hours: 4

Typically offered: Spring

CHM 397 - Cooperative Education in Chemistry

Credit Hours: 1-3
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.

Prerequisite: acceptance into Cooperative Education Program and permission of department head.
Typically offered: Fall, Spring, Summer

CHM 398 - Chemical Symposium

Credit Hours: 1
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.

Prerequisite: 14 hours of chemistry.
Recommended Prerequisite: take within the first 75 hours.

Lecture contact hours: 1

Typically offered: Fall, Spring

CHM 399 - Undergraduate Research

Credit Hours: 1-3
An individual chemical or biochemical project under the guidance of a chemistry and biochemistry department faculty member. Students are required to consult with the Department of Chemistry and Biochemistry to obtain a research information packet and to discuss research options with chemistry and biochemistry faculty members. A formal written report is required. May be repeated to a maximum of five hours. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring, Summer

CHM 435 - Investigations in Chemistry for Teachers

Credit Hours: 1
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.

Prerequisite: 15 hours of chemistry or permission.
Lab contact hours: 2

Typically offered: Spring Odd

CHM 445 - Intermediate Organic Chemistry Laboratory

Credit Hours: 2
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.

Prerequisite: C- grade or better in CHM 343 and CHM 345.
Lecture contact hours: 1 **Lab contact hours:** 3

Typically offered: Fall, Spring

CHM 460 - Environmental Chemistry: Water and Land

Credit Hours: 3
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.

Prerequisite: C- or better in CHM 170; and C- grade or better in CHM 201 or CHM 342.
Recommended Prerequisite: CHM 302.

Lecture contact hours: 3

Typically offered: Fall

CHM 461 - Environmental Chemistry: Air and Energy

Credit Hours: 3
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.

Prerequisite: C- grade or better in CHM 201 or CHM 342.
Recommended Prerequisite: some advanced coursework in chemistry, geosciences, biology, or related fields.

Lecture contact hours: 3

Typically offered: Spring

CHM 462 - Environmental Chemistry Laboratory

Credit Hours: 2
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.

Prerequisite: C- grade or better in CHM 302 and CHM 460.
Lab contact hours: 4

Typically offered: Spring

CHM 463 - Environmental Analysis

Credit Hours: 1
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.

Prerequisite: C- grade or better in CHM 302 and CHM 460.
Lab contact hours: 2

Typically offered: Spring

CHM 492 - Program Assessment

Credit Hours: 0
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.

Prerequisite: senior standing chemistry major; and permission of department head.
Typically offered: Fall, Spring

CHM 498 - Chemistry Careers

Credit Hours: 1
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.

Prerequisite: CHM 398 and 60 hours.
Lecture contact hours: 1

Typically offered: Fall, Spring

CHM 499 - Advanced Undergraduate Research

Credit Hours: 1-3
An individual chemical or biochemical project as a continuation from CHM 399 or pursuit of more advanced study under the guidance of a chemistry and biochemistry department faculty member. Students are required to consult with the Department of Chemistry and Biochemistry to obtain a research information packet and to discuss research options with chemistry and biochemistry faculty members. A formal presentation in addition to a formal written report of the research conducted are required. May be repeated to a maximum of five hours. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring, Summer

CHM 502 - Instrumental Analysis

Credit Hours: 3
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 502 and CHM 602.

Prerequisite: C- rade or better in CHM 201 or CHM 342; and C- grade or better in CHM 302.
Recommended Prerequisite: PHY 124 or PHY 204.

Lecture contact hours: 3

Typically offered: Fall

CHM 503 - Instrumental Analysis Laboratory

Credit Hours: 2
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.

Prerequisite: C- grade or better in CHM 302; and C- grade or better in CHM 502 or CHM 602 or concurrent

enrollment.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall

CHM 504 - Fundamentals of Physical Chemistry

Credit Hours: 3
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 504 and CHM 604.

Prerequisite: C- grade or better in CHM 170; and C- grade or better in CHM 201 or CHM 342; and C- grade or better in MTH 261 or MTH 287; and C- grade or better in PHY 123 or PHY 203.
Lecture contact hours: 3

Typically offered: Spring

CHM 505 - Fundamentals of Physical Chemistry Laboratory

Credit Hours: 1
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 505 and CHM 605.

Prerequisite: C- grade or better in CHM 302; and C grade or better in CHM 201 or CHM 342; and CHM 504 or concurrent enrollment.
Lab contact hours: 3

Typically offered: Spring

CHM 506 - Physical Chemistry I

Credit Hours: 3
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 C- grade 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 506 and CHM 606.

Prerequisite: C- grade 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.

Lecture contact hours: 3

Typically offered: Fall

CHM 507 - Physical Chemistry II

Credit Hours: 3
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 507 and CHM 607.

Prerequisite: C- grade or better in CHM 506.
Recommended Prerequisite: CHM 375.

Lecture contact hours: 3

Typically offered: Spring

CHM 508 - Physical Chemistry Laboratory I

Credit Hours: 2
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 508 and CHM 608.

Prerequisite: C- grade or better in CHM 302; and C- grade or better in CHM 506 or CHM 606 or concurrent enrollment in CHM 506 or CHM 606.
Lab contact hours: 4

Typically offered: Fall

CHM 509 - Physical Chemistry Laboratory II

Credit Hours: 2
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 509 and CHM 609.

Prerequisite: CHM 507 or CHM 607 or concurrent enrollment; and CHM 508 or CHM 608.
Lab contact hours: 4

Typically offered: Spring

CHM 514 - Polymer Chemistry

Credit Hours: 3
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 both CHM 514 and CHM 614.

Prerequisite: C- grade or better in CHM 343; and C-grade or better in CHM 505 or CHM 605 or CHM 506 or CHM 606.
Lecture contact hours: 3

Typically offered: Spring Even

CHM 542 - Advanced Organic Chemistry

Credit Hours: 3
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.

Prerequisite: C- grade or better in CHM 343.

Lecture contact hours: 3

Typically offered: Fall

CHM 554 - Biochemistry I

Credit Hours: 3
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.

Prerequisite: C- grade or better in CHM 343.
Recommended Prerequisite: BIO 121 or BMS 110 and BMS 111.

Lecture contact hours: 3

Typically offered: Fall,Demand

CHM 555 - Biochemistry Laboratory I

Credit Hours: 2
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.

Prerequisite: CHM 554 or concurrent enrollment.
Lab contact hours: 4

Typically offered: Fall,Demand

CHM 556 - Biochemistry II

Credit Hours: 3
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.

Prerequisite: C- grade or better in CHM 554.
Lecture contact hours: 3

Typically offered: Spring, Demand

CHM 557 - Biochemistry Laboratory II

Credit Hours: 2
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.

Prerequisite: CHM 555; and CHM 556 or concurrent enrollment.
Lab contact hours: 4

Typically offered: Demand

CHM 575 - Advanced Inorganic Chemistry

Credit Hours: 3
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.

Prerequisite: C- grade or better in CHM 375.
Lecture contact hours: 3

Typically offered: Spring

CHM 597 - Special Topics in Chemistry

Credit Hours: 1-3
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 597 and CHM 697.

Prerequisite: 18 hours of chemistry.
Typically offered: Demand

Communication

COM 100 - Introduction to Majors in Communication

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

COM 115 - Fundamentals of Public Speaking

Credit Hours: 3
General Education Course: Focus on Oral Communication **CORE 42:** MOTR number COMM 110 - Fundamentals of Public Speaking.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

COM 120 - Fundamentals of Debate

Credit Hours: 3
CORE 42: MOTR number COMM 220 - Argumentation and 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. Variable content course. May be repeated to a maximum of 12 hours.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

COM 205 - Interpersonal Communication Theory and Skills

Credit Hours: 3
CORE 42: MOTR number COMM 120 - Interpersonal Communication.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

COM 206 - Introduction to Health Communication

Credit Hours: 3
An introductory survey of contemporary health communication issues, including patient-provider communication, health ethics, health organizations, health campaigns, and health and the media.

Lecture contact hours: 3

Typically offered: Fall

COM 209 - Survey of Communication Theory

Credit Hours: 3
A survey of selected theoretical approaches to understanding mediated and non-mediated human communication.

Lecture contact hours: 3

Typically offered: Fall, Spring

COM 210 - Communication Research Methods

Credit Hours: 3
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.

Prerequisite: COM 209.
Lecture contact hours: 3

Typically offered: Fall, Spring

COM 219 - Public Relations Theory and Research

Credit Hours: 3
The course introduces students to the theory and research of public relations. Students will explore prevailing theories and basic methods of research used in contemporaneous public relations practice. This course prepares students for advanced study and work in public relations.

Lecture contact hours: 3

Typically offered: Spring

COM 260 - Communicating with Cultural Competence

Credit Hours: 3
General Education Course: Focus on Cultural Competence **CORE 42:** MOTR number SBSC 101 - Introduction to Intercultural Communication.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

COM 300 - Professional Development in Communication

Credit Hours: 1
This course assists Communication students to assess their abilities and qualifications, to research professional opportunities, and to prepare for job searching and career planning.

Prerequisite: COM 115 and COM 209.

Lecture contact hours: 1

Typically offered: Demand

COM 305 - Service-Learning in Communication

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in a communication course designated as a service-learning offering.
Typically offered: Demand

COM 307 - Gender and Communication

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

COM 309 - Principles of Public Relations

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

COM 315 - Advanced Speaking in Professional Settings

Credit Hours: 3
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.

Prerequisite: COM 115.
Lecture contact hours: 3

Typically offered: Fall, Spring

COM 320 - Principles of Advanced Debate

Credit Hours: 3
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. Variable content course. May be repeated to a maximum of 12 hours.

Lecture contact hours: 3

Typically offered: Fall

COM 321 - Inter-Collegiate Debating

Credit Hours: 1-3
Open only to those chosen to debate as University representatives. May be repeated to a maximum of 12 hours.

Typically offered: Fall, Spring

COM 322 - Introduction to Argumentation

Credit Hours: 3
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.

Prerequisite: COM 115.
Lecture contact hours: 3

Typically offered: Fall, Spring

COM 325 - Nonverbal Communication

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

COM 326 - Effective Listening

Credit Hours: 3
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.

Prerequisite: COM 115 and COM 209.
Lecture contact hours: 3

Typically offered: Spring

COM 328 - Persuasion

Credit Hours: 3
Modern theories of persuasion with some evaluation of specific case studies.

Prerequisite: COM 115.
Recommended Prerequisite: COM 209 and COM 210.

Lecture contact hours: 3

Typically offered: Fall, Spring

COM 332 - Small Group Communication

Credit Hours: 3
Basic theory and techniques of oral interaction in group activities.

Prerequisite: COM 115 and COM 209.
Recommended Prerequisite: COM 210.

Lecture contact hours: 3

Typically offered: Fall

COM 336 - Communication in Organizations

Credit Hours: 3
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.

Prerequisite: COM 115 and COM 209.
Recommended Prerequisite: COM 210.

Lecture contact hours: 3

Typically offered: Fall, Spring

COM 338 - Communication Strategies for Recruitment in Organizations

Credit Hours: 3
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.

Prerequisite: COM 115.
Lecture contact hours: 3

Typically offered: Demand

COM 350 - The Rhetorical Tradition and Contemporary Applications

Credit Hours: 3
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.

Prerequisite: COM 115 and COM 209 and COM 210.
Lecture contact hours: 3

Typically offered: Fall, Spring

COM 360 - Intercultural Communication Theory and Research

Credit Hours: 3
A survey of intercultural communication theory, research, and contemporary applications.

Prerequisite: COM 209 and COM 210 and COM 260.
Lecture contact hours: 3

Typically offered: Spring

COM 368 - Communicating Culture and Identity

Credit Hours: 3
This course is a communication-based exploration of U.S. cultural diversity, including the study of ethnicity, gender, sexuality, class, cultural ritual, custom, everyday conversation, and social interaction as manifestations of cultural diversity. This course may be taught from a variety of perspectives.

Prerequisite: COM 260.
Lecture contact hours: 3

Typically offered: Fall

COM 379 - Writing for Public Relations

Credit Hours: 3
Study and preparation of copy for press releases, newsletters, brochures, annual reports, and other written public relations communications.

Recommended Prerequisite: JRN 270.

Lecture contact hours: 3

Typically offered: Fall, Spring

COM 380 - Leadership in Practice

Credit Hours: 3
Students will learn and demonstrate effective ethical leadership as they manage the Vicki Stanton Public Speaking Showcase. They will learn various leadership theories on decision making, conflict resolution, problem solving and efficiency.

Prerequisite: COM 115; and permission of instructor.
Lecture contact hours: 3

Typically offered: Fall, Spring

COM 390 - Communication and Aging

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

COM 397 - Topics in Communication

Credit Hours: 1-3
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. Variable content course. May be repeated to a maximum of 6 hours with permission of department..

Typically offered: Demand

COM 400 - Service Learning in Communication

Credit Hours: 1
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.

Prerequisite: permission of instructor and concurrent enrollment in a communication, media, or journalism course designated as a service-learning offering.
Typically offered: Demand

COM 405 - Advanced Interpersonal Communication

Credit Hours: 3
A survey of contemporary interpersonal communication theories and issues within a variety of contexts.

Prerequisite: COM 205.
Lecture contact hours: 3

Typically offered: Fall Odd

COM 406 - Family Communication

Credit Hours: 3
This course is intended to provide students with an in-depth examination of communication as it functions in family systems.

Lecture contact hours: 3

Typically offered: Spring

COM 407 - Health Communication and Culture

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

COM 408 - Patient-Provider Communication

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

COM 410 - Conflict and Communication

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

COM 412 - Communication and Diversity in the Workplace

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

COM 413 - Ethical Issues in Communication

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

COM 417 - Teaching of Speech and Theatre

Credit Hours: 3
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 supervised teaching. Credited only on BSEd (Secondary). A C grade 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.

Prerequisite: EDC 350 and EDT 365 and SPE 340; and 12 hours in communication; and 12 hours in theatre.
Lecture contact hours: 3

Typically offered: Fall

COM 423 - Contemporary Topics in Conflict

Credit Hours: 1-3
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.

Prerequisite: COM 411 or permission.
Typically offered: Demand

COM 433 - Crisis Communication

Credit Hours: 3
Designed to prepare students for anticipating, managing, and navigating, crises in individual and corporate settings. Students will explore a wide range of crises, such as financial scandals, legal issues, cyber-crime, ethical violations, data breaches, produce recalls, and leadership controversies.

Prerequisite: MED 120 and COM 115
Lecture contact hours: 3

Typically offered: Spring

COM 436 - Communication and Leadership

Credit Hours: 3
In-depth study of the relationship between communication and leadership within organizations and the development of specific communication competencies associated with effective leadership.

Prerequisite: COM 115; and 60 hours.
Lecture contact hours: 3

Typically offered: Spring

COM 437 - Advanced Organizational Communication

Credit Hours: 3
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.

Prerequisite: COM 115 and COM 209 and COM 336; and 60 hours.
Lecture contact hours: 3

Typically offered: Demand

COM 439 - Techniques and Cases in Public Relations

Credit Hours: 3
Communication theories and techniques of message preparation as applied to the function of organizational promotion.

Lecture contact hours: 3

Typically offered: Fall, Spring

COM 450 - Political Communication

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

COM 452 - Communication Technology and Politics

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

COM 454 - Presidential Rhetoric

Credit Hours: 3
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.

Prerequisite: COM 115; and Communication majors must complete COM 209 and COM 210 and COM 350.
Lecture contact hours: 3

Typically offered: Demand

COM 459 - Social Media Analytics for Public Relations

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

COM 466 - Social Movement Communication

Credit Hours: 3
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.

Prerequisite: COM 115 and COM 209.
Lecture contact hours: 3

Typically offered: Demand

COM 468 - Ethnography in Communication Research

Credit Hours: 3
This course focuses on the study and application of ethnography in communication as a research method.

Prerequisite: COM 260 and COM 360.
Lecture contact hours: 3

Typically offered: Demand

COM 469 - Global Public Relations

Credit Hours: 3
This course develops an understanding of the global perspective of public relations with an emphasis on corporate and agency public relations practice.

Lecture contact hours: 3

Typically offered: Fall, Spring

COM 479 - Strategic Communication for Events

Credit Hours: 3
The foundational application of communication theories in the area of social, professional, recreational, personal, educational, and commercial special events. This course offers a comprehensive study of staging, implementing, budgeting and marketing activities in an event-centered society.

Lecture contact hours: 3

Typically offered: Demand

COM 490 - Supervised Teaching (Secondary Speech and Theatre)

Credit Hours: 6
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.

Prerequisite: COM 417; and a C grade or better in all professional education courses; and current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in COM 491.
Corequisite: COM 491
Typically offered: Fall, Spring

COM 491 - Supervised Teaching (Secondary Speech and Theatre)

Credit Hours: 6
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.

Prerequisite: Concurrent enrollment in COM 490.
Corequisite: COM 490
Typically offered: Fall, Spring

COM 493 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

COM 494 - Conflict Internship

Credit Hours: 1-3
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.

Prerequisite: COM 205; and COM 410 or COM 521; and permission of instructor.
Typically offered: Demand

COM 495 - Communication Internship

Credit Hours: 1-6
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 six 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.

Prerequisite: 60 hours; and COM 115 and COM 209; and nine additional COM hours; and major/minor minimum GPA of 3.00; and declared Communication Studies major or Communication minor or declared undergraduate certificate in Conflict and Dispute Resolution; and permission of Internship Coordinator.
Typically offered: Fall, Spring

COM 496 - Independent Study in Communication

Credit Hours: 1-3
Supervised independent study exploring in-depth selected areas.

Prerequisite: COM 115 and COM 209; and permission of instructor.
Typically offered: Fall, Spring

COM 509 - Communication Campaigns

Credit Hours: 3
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.

Prerequisite: COM 219 and COM 309 .
Lecture contact hours: 3

Typically offered: Demand

COM 519 - Bateman Competition PRSSA

Credit Hours: 3
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.

Prerequisite: COM 115 and COM 209 and COM 210; and permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

COM 521 - Communication, Mediation, and Negotiation

Credit Hours: 3
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 521 and COM 621.

Lecture contact hours: 3

Typically offered: Fall, Spring

COM 532 - Teaching Debate

Credit Hours: 3
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 532 and COM 631.

Prerequisite: COM 322.
Lecture contact hours: 3

Typically offered: Fall

COM 534 - Teaching Individual Events

Credit Hours: 3
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 534 and COM 633.

Prerequisite: THE 323.
Lecture contact hours: 3

Typically offered: Spring

COM 536 - Directing Forensics

Credit Hours: 2
Problems in coaching and conducting forensic contests. May be taught concurrently with COM 635. Cannot receive credit for both COM 536 and COM 635.

Prerequisite: COM 532 and COM 534.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

COM 597 - Studies in Communication Theory and Practice

Credit Hours: 3
In-depth examination of a specific communication topic. May vary from semester to semester. Variable content course. May be repeated to a maximum of 12 hours with permission of the department. May be taught concurrently with COM 698. Cannot receive credit for both COM 597 and COM 698.

Lecture contact hours: 3

Typically offered: Demand

Criminology

CRM 210 - Introduction to the American Criminal Justice System

Credit Hours: 3
General Education Course: Focus on Public Issues **CORE 42:** MOTR number CRJS 101 - Introduction to Criminal Justice.

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.

Prerequisite: 12 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

CRM 215 - Criminology and Criminal Justice Field Exploration

Credit Hours: 1-6
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 to a maximum of six hours.

Typically offered: Demand

CRM 220 - Criminology

Credit Hours: 3
General Education Course: Focus on Social and Behavioral Sciences **CORE 42:** MOTR number CRIM 205 - Introduction to Criminology.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

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CRM 250 - Policing

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 260 - Criminal Law and the Courts

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 270 - Institutional and Community-Based Corrections

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 300 - Service-Learning in Criminology

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in a Criminology course designated as service-learning offering.
Typically offered: Demand

CRM 301 - Movies, Media and Crime

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

CRM 303 - Capital Punishment

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

CRM 306 - Criminal Profiles: Who Did It?

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

CRM 307 - Life Behind Bars: Got Time?

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

CRM 308 - To Shoot or Not To Shoot: Ethical Dilemmas in Criminal Justice

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

CRM 309 - Bad Girls: An Introduction to Aggressive and Delinquent Females

Credit Hours: 1
"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.

Lecture contact hours: 1

Typically offered: Demand

CRM 310 - Investigating Motive in Hate Crime and Terrorism

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

CRM 312 - Legalization of Marijuana

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

CRM 313 - Prison Violence and Disorder

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

CRM 314 - Forensic Science

Credit Hours: 3
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. May be taught concurrently with CRM 614. Cannot receive credit for both CRM 314 and CRM 614.

Lecture contact hours: 3

Typically offered: Demand

CRM 315 - College Campus Crime

Credit Hours: 1
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

Lecture contact hours: 1

Typically offered: Demand

CRM 316 - Post-Conviction Justice Clinic

Credit Hours: 3
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.

Prerequisite: CRM 314.
Lecture contact hours: 3

Typically offered: Demand

CRM 317 - Peacemaking Criminology

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

CRM 318 - Immigration and Crime

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

CRM 319 - Queer Criminology

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

CRM 321 - Disability in the American Criminal Justice System

Credit Hours: 1
In this course, students will examine how people living with physical, sensory, cognitive, and psychiatric disabilities interact with the American criminal justice system.

Lecture contact hours: 1

Typically offered: Demand

CRM 323 - Introduction to Developmental and Life-Course Criminology

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Spring

CRM 325 - Domestic Violence

Credit Hours: 3
This course is designed as an introduction to the study of domestic violence. Students will develop an understanding of theories and typologies of offenders and victims of intimate partner abuse, types of abuse, and occurrence of abuse. The social causes and consequences of domestic violence are examined as well as the criminal justice response to domestic violence.

Lecture contact hours: 3

Typically offered: Demand

CRM 326 - Far-Right Terrorism and Violence in America

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Spring

CRM 327 - Far-Left Terrorism and Violence in America

Credit Hours: 1
This course will introduce students to the far-left extremist movement in America. They will learn about the main groups and individuals involved in this movement. While most groups and individuals that are involved in this movement are non-violent, this course will explore not only reasons why some of these groups and individuals may choose to participate in violence, but also the types of violence employed.

Lecture contact hours: 1

Typically offered: Summer

CRM 328 - Jihadist Terrorism and Violence in America

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Fall

CRM 330 - Juvenile Justice

Credit Hours: 3
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.

Prerequisite: CRM 210.
Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 331 - Charles Manson and Family - A Cult Case Study

Credit Hours: 1
This course has been designed to educate and enlighten the student about Charles Manson and his "family." Charles Manson is an enigmatic person who has made a lasting impression on American society, especially those within the criminal justice system. Within the class meetings and through the assigned article readings, each student will learn the definitions of multiple murder and cults, while exploring the childhood, history, personality and beliefs of Charles Manson. Theories, typologies and cult development are amongst the concepts that will be explored. Students will become familiar with the crimes committed by "The Manson Family" and work to develop a clearer understanding of this notorious case.

Lecture contact hours: 1

Typically offered: Demand

CRM 332 - Seminar on Violence

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

CRM 333 - Sex Offenses

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

CRM 334 - Homicide

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 335 - Criminal Typologies

Credit Hours: 3
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. May be taught concurrently with CRM 633. Cannot receive credit for both CRM 335 and CRM 633.

Prerequisite: CRM 210.
Lecture contact hours: 3

Typically offered: Demand

CRM 336 - Criminal Psychology

Credit Hours: 3
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. The course will explore 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. The course will approach this study from a critical perspective, giving attention to the social, economic, and political context in which crime takes place and how these contexts influence the offender's behavior. May be taught concurrently with CRM 636. Cannot receive credit for both CRM 336 and CRM 636.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

CRM 340 - Research Methods in Criminology and Criminal Justice

Credit Hours: 3
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.

Prerequisite: 60 hours; CRM 210 and CRM 250 and CRM 260 and CRM 270; and CRM 220 or concurrently enrollment in CRM 220.
Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 341 - Introduction to Criminal Justice Data

Credit Hours: 3
In this course, students will engage in a variety of activities designed to hone their data analysis and data management skills. Students will be exposed to key foundational elements of quantitative and qualitative analyses necessary to develop proficiencies to become consumers of and contributors to research. Students will learn to understand the fundamentals of different types of data, organizing and displaying data as well as interpreting basic statistical tests and

hypotheses.

Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 342 - Victim Advocacy

Credit Hours: 3
In this course, students will explore the role of victim advocacy as it relates to the juvenile and criminal justice systems. Topics will include theories of victimization, the impact of crime, professionalism and cultural competency in victim services, and victim advocacy in policing, courts, and corrections.

Lecture contact hours: 3

Typically offered: Spring

CRM 343 - Trauma-Informed Care in Criminal Justice

Credit Hours: 1
This course will provide an overview of trauma-informed approaches. A trauma-informed approach refers to how an agency, organization, and/or community provides victims and offenders services in a way that supports resilience, prevention, treatment, and recovery. This course will focus on the impact of trauma and the main principles of trauma-informed care that can be utilized within criminal justice systems. Students will also be introduced to the concept of "compassion fatigue" and how service providers are impacted by working with those who have experience trauma.

Lecture contact hours: 1

Typically offered: Demand

CRM 351 - Trafficking of Humans, Drugs, and Guns

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

CRM 355 - Current Issues in Policing

Credit Hours: 3
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.

Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.
Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 356 - Conflict, Communication, and Stress in Criminal Justice Professions

Credit Hours: 3
This course will provide students interested in criminal justice professions with needed information and skills regarding effective communication, conflict resolution, and occupational stress. Current research will be examined, skill building will be emphasized, and solutions will be explored and evaluated.

Lecture contact hours: 3

Typically offered: Fall Even, Summer

CRM 357 - Police Use of Force

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

CRM 358 - Policing Protest

Credit Hours: 1
In this course, students will examine the legal boundaries, officer practices, and social factors that impact interactions between law enforcement and protestors in the United States.

Lecture contact hours: 1

Typically offered: Demand

CRM 365 - Criminal Procedure

Credit Hours: 3
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.

Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.
Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 375 - Current Issues in Corrections

Credit Hours: 3
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

Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.
Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 376 - Restorative Justice

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring Odd

CRM 377 - Inmate Voices: Examining the Effects of Incarceration

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

CRM 380 - Criminal Justice Organizations and Management

Credit Hours: 3
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.

Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.
Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 381 - Crime Prevention

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

CRM 382 - Criminal Investigation

Credit Hours: 3
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. May be taught concurrently with CRM 682. Cannot receive credit for both CRM 382 and CRM 682.

Lecture contact hours: 3

Typically offered: Demand

CRM 383 - Serial Killers

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 390 - Active Shooter Events

Credit Hours: 1
Active shooter events in the United States have become a more prevalent problem in recent years. To combat this type of attack, officers are now receiving standardized training, both tactical and medical, that allows them to make entry as soon as possible. This course will examine these active shooter events in detail by discussing the attacks as a whole as well as analyzing specific cases.

Lecture contact hours: 1

Typically offered: Demand

CRM 392 - Sports and Crime

Credit Hours: 1
This course will offer students the opportunity to critically review, analyze, and evaluate the realm of sports (broadly defined) from a criminological perspective. This course is specifically designed to explore crime, controversy, and conflict in the realm of sports in our society. Students will critically examine the role of crime and sports, including NCAA violation, cheating, criminal athletes, sports organizational crime, and gambling. Students should attain an in-depth and critical understanding of the various economic, individual, societal, and organizational harms that occur at the intersection of sports and crime.

Lecture contact hours: 1

Typically offered: Demand

CRM 395 - Hostage Negotiations

Credit Hours: 1
Hostage negotiations involve a number of different techniques and responses. This course will cover crisis negotiations by discussing the events that led to the creation of national hostage negotiation teams, looking at the types of situations and people negotiators respond to, and analyzing case studies of hostage events.

Lecture contact hours: 1

Typically offered: Demand

CRM 396 - Directed Readings in Criminology

Credit Hours: 1-3
Readings designed to introduce students to new material or to supplement material introduced in previous CRM courses. May be repeated to a maximum of six hours if topic changes.

Prerequisite: CRM 210 and permission of instructor.
Typically offered: Demand

CRM 397 - Special Topics in Criminology

Credit Hours: 1-3
A variable topic course offering an overview of one or more issues related to criminology. May be repeated when topic changes.

Typically offered: Demand

CRM 400 - Conservation Law Enforcement

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

CRM 401 - Wildlife Criminology

Credit Hours: 3
This course will examine wildlife crimes from a global criminological perspective. Poaching and the illegal trafficking of wildlife has become a massive form of crime both at the local level and globally. This has led to the near loss of

many species around the world. Wildlife crime has significant ecological, economic, social, and security costs at all levels of government in many countries. Issues related to wildlife criminology will be analyzed and discussed with a specific emphasis on theory, ethics, and prevention.

Lecture contact hours: 3

Typically offered: Demand

CRM 410 - Women in Criminal Justice

Credit Hours: 3
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.

Prerequisite: CRM 210 or permission of instructor.
Lecture contact hours: 3

Typically offered: Fall

CRM 415 - Difference and Diversity in Criminology

Credit Hours: 3
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.

Prerequisite: CRM 210 and CRM 250 and CRM 260 and CRM 270.
Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 420 - Comparative Criminal Justice Systems

Credit Hours: 3
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.

Recommended Prerequisite: 45 hours.

Lecture contact hours: 3

Typically offered: Demand

CRM 425 - Wrongful Convictions

Credit Hours: 3
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.

Recommended Prerequisite: CRM 210 and 45 hours.

Lecture contact hours: 3

Typically offered: Demand

CRM 430 - Victimless Crime

Credit Hours: 3
A sociological examination of attempts to legally control private behavior covering both historical and contemporary examples such as prostitution, drug use, homosexuality, and abortion.

Recommended Prerequisite: CRM 210 and 45 hours.

Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 435 - Evidence

Credit Hours: 3
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.

Recommended Prerequisite: 45 hours.

Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 440 - Foundations of Homeland Defense and Security

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

CRM 441 - Fundamentals of Terrorism

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

CRM 445 - Victimology

Credit Hours: 3
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. May be taught concurrently with CRM 646. Cannot receive credit for both CRM 445 and CRM 646.

Recommended Prerequisite: 45 hours.

Lecture contact hours: 3

Typically offered: Demand

CRM 475 - Community Corrections

Credit Hours: 3
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.

Recommended Prerequisite: 45 hours.

Lecture contact hours: 3

Typically offered: Demand

CRM 477 - Geographic and Spatial Analysis of Crime

Credit Hours: 3
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.

Recommended Prerequisite: 45 hours.

Lecture contact hours: 3

Typically offered: Demand

CRM 480 - The Gang Phenomenon

Credit Hours: 3
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.

Recommended Prerequisite: 45 hours.

Lecture contact hours: 3

Typically offered: Fall

CRM 485 - Drug Abuse and Criminal Justice

Credit Hours: 3
This course will provide a comprehensive overview of the abuse of drugs in American society. In doing so, course will: 1) examine current U.S. drug abuse trends and patterns, 2) review the history of drug abuse in this country and the legislative attempts to control such abuse, 3) consider the various correlates and causes of drug abuse, 4) explore the physiological, psychological and sociological effects of several more commonly abused drugs, 5) discuss the connections between drug abuse and crime, and 6) critically review and evaluate current philosophies, policies and practices designed to control drug abuse in America.

Recommended Prerequisite: 45 hours.

Lecture contact hours: 3

Typically offered: Demand

CRM 490 - Internship in Criminology

Credit Hours: 3
Faculty supervised experience in an agency related to issues of crime and justice. Students are expected to work 40 hours in the agency for each credit hour. Students must submit applications for CRM 490 no later than March 15 for subsequent summer (when offered) and fall enrollment, and October 1 for subsequent spring enrollment. May be repeated to a maximum of six hours.

Prerequisite: Criminology and Criminal Justice major, completion of 18 hours in the major program, and permission of instructor.
Typically offered: Fall, Spring

CRM 494 - Program Assessment in Criminology and Criminal Justice

Credit Hours: 0
Required assessment of the undergraduate criminology and criminal justice program. All students majoring in criminology and criminal justice are required to enroll in this course during their senior year and complete both an exit exam and program assessment survey. The focus is on program assessment and development rather than on individual student evaluation. Graded Pass/Not Pass only.

Prerequisite: permission; and senior standing.
Typically offered: Fall, Spring

CRM 495 - Criminal Justice Ethics

Credit Hours: 3
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.

Recommended Prerequisite: CRM 210 and 45 hours.

Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 496 - Senior Seminar in Criminology and Criminal Justice

Credit Hours: 3
Students in this course discuss contemporary issues in criminal justice, prepare for their transition out of the undergraduate program, and explore career opportunities in the profession. Public Affairs Capstone Experience course.

Prerequisite: CRM 340; and Criminology and Criminal Justice major; and senior standing with 95 hours.
Recommended Prerequisite: CRM 415.

Lecture contact hours: 3

Typically offered: Fall, Spring

CRM 497 - Special Issues in Criminology

Credit Hours: 1-3
A variable topic course offering an in-depth analysis of one or more issues related to Criminology. May be repeated to a maximum of six hours when topic changes.

Recommended Prerequisite: 45 hours.

Typically offered: Demand

CRM 580 - Cybercrime

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

CRM 597 - Special Topics and Issues in Criminal Justice

Credit Hours: 1-3
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 to a maximum of six hours if the topic changes. May be taught concurrently with CRM 697.

Cannot receive credit for both CRM 597 and CRM 697.

Recommended Prerequisite: CRM 210 and 60 hours

Typically offered: Demand

Computer Science

CSC 111 - Introduction to Computing

Credit Hours: 3
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.

Prerequisite: eligible for MTH 261.
Lecture contact hours: 3

Typically offered: Demand

CSC 121 - Introduction to BASIC Programming

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

CSC 125 - Introduction to C++ Programming

Credit Hours: 4
Programming and problem-solving using C++. Topics will include data representation and data types, logic and control flow, selection, loops, and functions, etc. Techniques of object-oriented programming are introduced. Concurrent enrollment in MTH 136 or MTH 137 or MTH 138 is strongly suggested for Computer Science majors or minors.

Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

CSC 130 - The World of Computer Science

Credit Hours: 3
An introduction to programming and computer science. Topics will include data representation, algorithm design, and software development. Students will learn a high level language and use it to write programs. Suitable for non-majors who want to learn about programming and computer science. Concurrent enrollment in MTH 136 or MTH 137 or MTH 138 is strongly suggested for Computer Science majors or minors.

Lecture contact hours: 3

Typically offered: Fall, Spring

CSC 131 - Computational Thinking

Credit Hours: 4
Solving problems using computation and implementing solutions in a high-level programming language with emphasis on higher order functions, recursion, object-oriented programming and GUI development. The course continues with Python from CSC 130 before transitioning to C++. The basic constructs of C++ including data types, I/O, control statements, arrays, and pointers are covered.

Prerequisite: C grade or better in CSC 130; and MTH 137 or MTH 138 or concurrent enrollment.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

CSC 197 - Introductory Topics in Computer Science

Credit Hours: 1-3
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.

Typically offered: Demand

CSC 210 - Public Affairs Issues in Computing

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

CSC 226 - Special Languages

Credit Hours: 3
Study of computer languages and their use in particular application domains.

Lecture contact hours: 3

Typically offered: Demand

CSC 232 - Data Structures

Credit Hours: 4
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.

Prerequisite: C grade or better in CSC 131; and MTH 261 or MTH 314 or MTH 315 or concurrent enrollment.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

CSC 244 - Computer Architecture

Credit Hours: 3
An overview of computer architecture, which stresses the underlying design principles and the impact of these principles on computer performance. General topics include digital logic circuits, digital components, data representation, basic computer organization, processor design, control design, pipelining, vector processing, input-output organization, and memory organization.

Prerequisite: CSC 131.
Lecture contact hours: 3

Typically offered: Fall, Spring

CSC 300 - Service-Learning in Computer Science

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in a Computer Science course designated as a service-learning offering.
Typically offered: Demand

CSC 301 - Introduction to Video Game Design

Credit Hours: 1
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.

Prerequisite: 30 hours; and eligible for Writing II; and permission of instructor.
Lecture contact hours: 1

Typically offered: Demand

CSC 303 - Introductory Video Game Development for Designers and Programmers

Credit Hours: 1
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.

Prerequisite: ART 301 /CSC 301; and either CSC 232 or MED 290.
Lab contact hours: 2

Typically offered: Demand

CSC 325 - Algorithms and Advanced Data Structures

Credit Hours: 3
A study of algorithms and advanced data structures including graphs, heaps, hashing, self-adjusting data structures, set representations, greedy algorithms, dynamic programming and introduction to NP-complete problems. The course emphasizes on the study of efficiency and algorithm analysis. May be taught concurrently with CSC 611. Cannot receive credit for both CSC 325 and CSC 611.

Prerequisite: C grade or better in CSC 232; and MTH 314 or MTH 315.
Lecture contact hours: 3

Typically offered: Fall, Spring

CSC 330 - Introduction to Data Science

Credit Hours: 3
An introduction to software and techniques used in data science. Topics will include sources of data, data preparation, data analysis, use of software tools, development of data analysis software, and ethical and legal considerations. May be taught concurrently with CSC 630. Cannot receive credit for both CSC 330 and CSC 630.

Prerequisite: CSC 131.
Lecture contact hours: 3

Typically offered: Demand

CSC 333 - Languages and Machines

Credit Hours: 2
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). Other topics include programming languages, focusing on the essential features of imperative, functional, object-oriented, and logic programming languages, together with their design and implementation on modern computers.

Prerequisite: C grade or better in CSC 232; and MTH 314 or MTH 315.
Lecture contact hours: 2

Typically offered: Fall, Spring

CSC 335 - Database System Concepts

Credit Hours: 3
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 335 and CSC 612.

Prerequisite: C grade or better in CSC 121 or CSC 125 or CSC 131; and MTH 314 or MTH 315.
Lecture contact hours: 3

Typically offered: Fall, Spring

CSC 344 - Computer Systems Fundamentals

Credit Hours: 3
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 344 and CSC 613.

Prerequisite: Prerequisite CSC 232.
Lecture contact hours: 3

Typically offered: Demand

CSC 360 - Operating Systems

Credit Hours: 3
Introduction to operating systems concepts, principles, and design. Topics include: processes, threads, CPU scheduling, mutual exclusion, process synchronization, deadlocks, memory management, file systems, i/o systems, disk management, distributed systems, security and protection. May be taught concurrently with CSC 660. Cannot receive credit for both CSC 360 and CSC 660.

Prerequisite: C grae or better in CSC 232 and CSC 244.
Lecture contact hours: 3

Typically offered: Fall, Spring

CSC 365 - Internet Programming

Credit Hours: 3
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.

Prerequisite: C grade or better in CSC 121 or CSC 125 or CSC 131.
Lecture contact hours: 3

Typically offered: Fall, Spring

CSC 388 - Introduction to Secure Computing

Credit Hours: 3
This course provides 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.

Prerequisite: CSC 232.
Lecture contact hours: 3

Typically offered: Fall, Spring

CSC 399 - Cooperative Education in Computer Science

Credit Hours: 1-3
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. Does not count toward a Computer Science minor.

Prerequisite: permission of department head.
Typically offered: Demand

CSC 421 - Numerical Analysis I

Credit Hours: 3
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.

Prerequisite: MTH 280.
Recommended Prerequisite: CSC 125 or CSC 131.

Lecture contact hours: 3

Typically offered: Demand

CSC 422 - Numerical Analysis II

Credit Hours: 3
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.

Prerequisite: MTH 303 and MTH 421.
Lecture contact hours: 3

Typically offered: Demand

CSC 423 - Digital Simulation

Credit Hours: 3
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.

Prerequisite: CSC 232 and either MTH 345 or MTH 540.
Lecture contact hours: 3

Typically offered: Demand

CSC 450 - Introduction to Software Engineering

Credit Hours: 4
This course provides students with a capstone project experience. Focus will be on the software engineering concepts including requirements gathering and analysis, software architecture and design, testing, and basic project management. A semester-long group project will require application of the software engineering concepts from requirements gathering to deployment and evaluation. Successful completion of the computer science major field test (MFT) with at least a score of 145 for Computer Science/Computer Science option and 140 for Computer Science/Software Development option is required for passing the course.

Prerequisite: any two courses from CSC 325, CSC 335, and CSC 360.
Lecture contact hours: 4

Typically offered: Fall, Spring

CSC 455 - Software Quality Assurance and Project Management

Credit Hours: 3
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.

Prerequisite: CSC 232.
Lecture contact hours: 3

Typically offered: Fall

CSC 482 - Seminar in Computer Science

Credit Hours: 1
This course focuses on professional development skills, including resume development, interviewing, and presentations. Case studies in ethics and steps for ethical decision making will be introduced. Public Affairs Capstone Experience course.

Prerequisite: 60 hours.
Lecture contact hours: 1

Typically offered: Fall, Spring

CSC 500 - Hardware, Software, and Troubleshooting Personal Computers

Credit Hours: 3
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 500 and CSC 600.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

CSC 505 - Web-Based Resources in Educational Settings

Credit Hours: 2
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 505 and CSC 605.

Lecture contact hours: 2

Typically offered: Demand

CSC 510 - Networking and Telecommunications in Educational Settings

Credit Hours: 2
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 510 and CSC 610.

Lecture contact hours: 2

Typically offered: Demand

CSC 515 - Advanced Internet Programming

Credit Hours: 3
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.

Prerequisite: CSC 365.
Lecture contact hours: 3

Typically offered: Spring

CSC 521 - Compiler Construction

Credit Hours: 4
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 521 and CSC 621.

Prerequisite: CSC 333.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Demand

CSC 525 - Computer Graphics

Credit Hours: 3
An introduction to two-dimensional and three-dimensional computer rendering. Topics will include computer graphics API's, techniques and algorithms for object modeling, viewing, transformations, and event-driven programming. May be taught concurrently with CSC 625. Cannot receive credit for both CSC 525 and CSC 625.

Prerequisite: CSC 232 and either MTH 314 or MTH 315.
Lecture contact hours: 3

Typically offered: Fall

CSC 526 - Methods of Optimization

Credit Hours: 3
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 526 and CSC 626.

Prerequisite: CSC 421 or MTH 421; and MTH 314 or MTH 315.
Lecture contact hours: 3

Typically offered: Demand

CSC 534 - Big Data Analytics

Credit Hours: 3
A 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.

Prerequisite: CSC 232 and CSC 330 and CSC 335.
Lecture contact hours: 3

Typically offered: Spring

CSC 535 - Data Mining

Credit Hours: 3
Introduction to the basic concepts of data mining including data preprocessing, classification, clustering and association rules mining. The focus will be on understanding the algorithms underlying data mining and on the practical use of those algorithms. May be taught concurrently with CSC 635. Cannot receive credit for both CSC 535 and CSC 635.

Prerequisite: CSC 232.
Lecture contact hours: 3

Typically offered: Demand

CSC 537 - Deep Learning

Credit Hours: 3
A study of neural networks, including backpropagation, loss functions, gradient descent, convolutional neural networks, recurrent neural networks, regularization techniques, network architectures, transfer learning, generative models.

Prerequisite: CSC 232 and CSC 330 and MTH 261 and MTH 333.
Lecture contact hours: 3

Typically offered: Spring

CSC 538 - Parallel and Distributed Computing

Credit Hours: 3
Introduction to parallel and distributed computing through algorithms, strategies for problem decomposition, system architecture, implementation strategies, and performance analysis. In this course, students will have the opportunity to write parallel or distributed programs and applications in several contexts such as multithreaded programming, general purpose computing on a graphics processing unit, and MPI programming.

Prerequisite: CSC 360.
Lecture contact hours: 3

Typically offered: Demand

CSC 540 - Introduction to Artificial Intelligence

Credit Hours: 3
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.

Prerequisite: CSC 325.
Lecture contact hours: 3

Typically offered: Spring

CSC 545 - Computer Speech, Music and Images

Credit Hours: 3
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.

Prerequisite: CSC 232.
Lecture contact hours: 3

Typically offered: Demand

CSC 565 - Computer Networks

Credit Hours: 3
An introduction to the theory, concepts and techniques upon which modern computer networks 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.

Prerequisite: CSC 360.
Lecture contact hours: 3

Typically offered: Fall

CSC 567 - Mobile Computing Applications

Credit Hours: 3
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.

Prerequisite: CSC 232.
Lecture contact hours: 3

Typically offered: Spring

CSC 587 - Computing for Bioinformatics

Credit Hours: 3
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.

Prerequisite: any one of CSC 121, CSC 125, CSC 131, CSC 232, BMS 231, BIO 235, or CHM 350.
Lecture contact hours: 3

Typically offered: Demand

CSC 590 - Advanced Topics in Computer Science

Credit Hours: 1-4
Variable content course with topics in the field of Computer Science. Topics may be identified by title in the schedule of classes. May be repeated if a different topic is offered. May be taught concurrently with CSC 690. Cannot receive credit for both CSC 590 and CSC 690.

Prerequisite: CSC 232.
Typically offered: Demand

CSC 596 - Special Readings

Credit Hours: 1-3
Directed study with a faculty member. Periodic conferences with the faculty member are required. A maximum of three credit hours may count towards any degree option. May be taught concurrently with CSC 696. Cannot receive credit for

both CSC 596 and CSC 696.

Prerequisite: permission of department head.
Typically offered: Demand

Communication Sciences and Disorders

CSD 209 - Basics of Linguistics for the Communication Sciences

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

CSD 210 - Phonetics

Credit Hours: 2
Instructional application of international phonetic alphabet in transcribing normal/disordered American English. May be taught concurrently with CSD 611. Cannot receive credit for both CSD 210 and CSD 611.

Lecture contact hours: 2

Typically offered: Fall, Spring

CSD 260 - Survey of Interests in Deaf and Hard of Hearing

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

CSD 312 - Normal Language Acquisition

Credit Hours: 3
Theories and sequence of normal language development, emphasizing phonological, morphological, syntactic, semantic, and pragmatic abilities. Emphasis on first six years.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

CSD 315 - Language Disorders in Children

Credit Hours: 3
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.

Prerequisite: C grade or better in CSD 312.
Lecture contact hours: 3

Typically offered: Spring

CSD 316 - Introduction to Language and Cognitive-Linguistic Disorders in Adults

Credit Hours: 3
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.

Prerequisite: C grade or better in CSD 312.
Lecture contact hours: 3

Typically offered: Spring

CSD 318 - Introduction to Speech Sound Disorders

Credit Hours: 3
Introduction to the nature, evaluation, and treatment of speech sound disorders.

Prerequisite: C grade or better in CSD 210.
Lecture contact hours: 3

Typically offered: Fall, Spring

CSD 319 - Anatomy and Physiology of Speech

Credit Hours: 3
Particular structure and functions of human anatomy related to the processes of speech. May be taught concurrently with CSD 619. Cannot receive credit for both CSD 319 and CSD 619.

Lecture contact hours: 3

Typically offered: Fall

CSD 350 - Foundations of Communication Sciences and Disorders

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Summer

CSD 351 - Medical Terminology for Communication Sciences and Disorders

Credit Hours: 3
This course offers students in-depth instruction in recognizing medical terms. Students will learn medical root words, prefixes, suffixes, acronyms, and abbreviations and apply them to patient conditions and work settings common to speech language pathology and audiology. Course may be taught concurrently with CSD 651. Cannot receive credit for both CSD 351 and CSD 651.

Lecture contact hours: 3

Typically offered: Spring

CSD 360 - Hearing and Speech Science

Credit Hours: 3
Elementary acoustical theory and application to the study of speech production, reception and perception, decibel notation, and traditional psychophysical methods.

Lecture contact hours: 3

Typically offered: Fall, Summer

CSD 362 - Speech Science

Credit Hours: 3
Analysis of research on the acoustic parameters, the perceptual and productive processes of normal speech.

Prerequisite: C grade or better in CSD 319.
Lecture contact hours: 3

Typically offered: Spring

CSD 370 - Audiology

Credit Hours: 3
Principles of hearing measurement: test methods, screening methods, test interpretation.

Prerequisite: C grade or better in CSD 360.
Lecture contact hours: 3

Typically offered: Spring

CSD 380 - Development, Diversity, and Deafness

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

CSD 388 - Cultural and Linguistic Diversity

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

CSD 400 - Introduction to Research in Communication Sciences and Disorders

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

CSD 417 - Clinical Assessment and Intervention of Voice, Speech and Swallowing Disorders

Credit Hours: 3
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.

Prerequisite: C grade or better in CSD 319; and admission to the CSD program.
Lecture contact hours: 3

Typically offered: Fall, Spring

CSD 482 - Introduction to Clinical Methods

Credit Hours: 3
A study of assessment and treatment principles, methods and procedures relating to speech, language and hearing disorders. May be taught concurrently with CSD 686. Cannot receive credit for both CSD 482 and CSD 686.

Prerequisite: admission to the CSD program and a 3.00 GPA in the major at the time of enrollment.
Lecture contact hours: 3

Typically offered: Fall

CSD 484 - Introduction to Practice Settings on Communication Sciences and Disorders

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

CSD 492 - Issues in Communication Sciences and Disorders

Credit Hours: 1-3
Supervised independent study exploring in-depth selected areas. Selected readings, controlled by conferences, progress reports and term paper. May be repeated to a maximum of six hours.

Prerequisite: permission.
Typically offered: Fall, Spring

CSD 495 - Observation Clinical Practicum I

Credit Hours: 2
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.

Prerequisite: admission to Communication Sciences and Disorders major.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall

CSD 496 - Observation Clinical Practicum II

Credit Hours: 2
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 a maximum of four hours.

Prerequisite: CSD 495.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring

CSD 497 - Observation Clinical Practicum

Credit Hours: 3
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.

Prerequisite: admission to CSD undergraduate major.
Lecture contact hours: 2 **Lab contact hours:** 3

Typically offered: Fall

CSD 522 - Neural Bases of Human Communication

Credit Hours: 3
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 522 and CSD 623.

Prerequisite: C grade or better in CSD 319; and admission to the CSD program.
Lecture contact hours: 3

Typically offered: Fall

CSD 562 - Psycho-Social Implications of Being Deaf and Hard of Hearing

Credit Hours: 3
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 562 and CSD 669.

Prerequisite: admission to the CSD program.
Lecture contact hours: 3

Typically offered: Spring

CSD 572 - Aural Rehabilitation

Credit Hours: 3
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 572 and CSD 673. Public Affairs Capstone Experience course.

Prerequisite: CSD 370 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Spring

CSD 580 - Technical Solutions in Communication Disorders

Credit Hours: 3
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 580 and CSD 681.

Lecture contact hours: 3

Typically offered: Demand

Dance

DAN 100 - Dance Fundamentals

Credit Hours: 2
An introduction to dancing. Course will focus on basic dance skills translatable across genres including weight shifting, direction change, alignment, rhythm, and stamina. Dance genres covered may include any combination of ballet, jazz, contemporary, improvisation, tap, West African, etc. Designed for students with little to no experience. Variable content course. May be repeated to a maximum of six hours.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall, Spring

DAN 125 - Dance Fundamentals: Tap

Credit Hours: 2
Fundamentals of tap dance, with an emphasis on steps, terminology and the rhythmic structure of tap dance. Variable content course. May be repeated to a maximum of six hours.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

DAN 130 - Dance Fundamentals: Ballet

Credit Hours: 2
Fundamentals of ballet technique, with an emphasis on alignment and basic movement vocabulary. Variable content course. May be repeated to a maximum of six hours.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

DAN 131 - Dance Fundamentals: Contemporary

Credit Hours: 2
Fundamentals of contemporary dance techniques, with an emphasis on basic movement principles and vocabulary. Variable content course. May be repeated to a maximum of six hours.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

DAN 146 - Dance Fundamentals: Jazz

Credit Hours: 2
Fundamentals of jazz dance technique and vocabulary with an emphasis on alignment, rhythm, and basic vocabulary. Variable content course. May be repeated to a maximum of six hours.

Prerequisite: DAN 130 and DAN 131, or permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

DAN 180 - Dance Appreciation

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

DAN 216 - Elementary Contemporary

Credit Hours: 3
Explores elements of contemporary dance technique. Designed for students with at least one year of dance training. Variable content course. May be repeated to a maximum of 12 hours.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

DAN 220 - Dance Composition I: Improvisation

Credit Hours: 3
Dance improvisation techniques applicable to all genres of dance and movement with a focus on improvisation as a starting point for choreographic content creation. The first course in the Dance Composition Series.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall

DAN 225 - Elementary Tap

Credit Hours: 2
Elementary tap dance technique and vocabulary. Variable content course. May be repeated to a maximum of 12 hours.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

DAN 230 - Elementary Ballet

Credit Hours: 3
Elementary ballet technique and vocabulary. Variable content course. May be repeated to a maximum of 12 hours.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

DAN 235 - Leaps and Turns

Credit Hours: 2
Basic techniques executing leaps and turns in a variety of dance styles. Emphasis will be on strength building and developing technique and style. Variable content course. May be repeated to a maximum of 12 hours.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

DAN 240 - First-Year Seminar: Introduction to the Profession

Credit Hours: 1
An introduction to the Missouri State University Dance program and dance as a profession. Required of all new Dance majors.

Lecture contact hours: 1

Typically offered: Fall

DAN 245 - Elementary Jazz

Credit Hours: 3
Elementary jazz technique and vocabulary. Variable content course. May be repeated to a maximum of 12 hours.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

DAN 316 - Intermediate Contemporary

Credit Hours: 3
Intermediate level contemporary dance technique. Variable content course. May be repeated to a maximum of 12 hours.

Prerequisite: permission of instructor.

Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

DAN 319 - Contact Improvisation

Credit Hours: 3
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. Variable content course. May be repeated to a maximum of six hours.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

DAN 323 - Musical Theatre Dance Styles

Credit Hours: 2
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.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring

DAN 325 - Tap Dance III

Credit Hours: 3
Intermediate level tap dance technique and vocabulary. Variable content course. May be repeated to a maximum of 12 hours.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

DAN 330 - Intermediate Ballet

Credit Hours: 3
Intermediate level ballet technique. Variable content course. May be repeated to a maximum of 12 hours.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

DAN 335 - Leaps and Turns II

Credit Hours: 3
Continued techniques for executing leaps and turns in a variety of dance styles. Emphasis will be on strength building and developing technique and style. Variable content course. May be repeated to a maximum of 12 hours.

Prerequisite: DAN 235.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

DAN 340 - Third-Year Seminar: Preparation for the Profession

Credit Hours: 3
Professional preparation, including communication and leadership skills, promotional and website building.

Prerequisite: permission.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

DAN 345 - Intermediate Jazz

Credit Hours: 3
Intermediate level jazz dance techniques. Variable content course. May be repeated to a maximum of 12 hours.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

DAN 348 - Partnering

Credit Hours: 3
Basic and elementary techniques of partnering in a variety of styles. Variable content course. May be repeated to a maximum of six hours.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Spring Even

DAN 350 - Research Methods for Dance

Credit Hours: 3
This course addresses research methods, writing about dance, and conference presentation opportunities for research in dance.

Prerequisite: Writing II and 60 hours.
Lecture contact hours: 3

Typically offered: Spring

DAN 364 - Applied Kinesiology for the Dancer

Credit Hours: 3
The specific study of dance techniques through an anatomical and biomechanical lens.

Lecture contact hours: 3

Typically offered: Fall Odd

DAN 365 - Somatic Practices

Credit Hours: 1
Application of selected somatic practices, designed to enhance performance skills and awareness. Variable content course. May be repeated to a maximum of four hours.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Demand

DAN 372 - Music Resources for Dancers

Credit Hours: 2
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.

Prerequisite: permission of instructor.
Lecture contact hours: 2

Typically offered: Spring Even

DAN 390 - Service-Learning in Dance

Credit Hours: 1
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. Variable content course. May be repeated.

Prerequisite: 30 hours and concurrent registration in a DAN course designated as a service-learning offering.
Typically offered: Demand

DAN 416 - Advanced Contemporary

Credit Hours: 3
Advanced level contemporary dance technique. Variable content course. May be repeated to a maximum of 12 hours.

Prerequisite: permission of instructor.

Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

DAN 420 - Dance Composition II: Choreographic Tools

Credit Hours: 3
Focus on the development and manipulation of movement themes used to create a choreographic work. Strategies may include repetition, reverse, retrograde, inversion, translation to different levels, tempo changes, rhythmic changes, dynamic quality changes, cannons, formations, transitions, directional changes, developing motifs, and directing dancers.

Prerequisite: DAN 220.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Spring

DAN 425 - Advanced Tap

Credit Hours: 3
Advance level tap technique. Variable content course. May be repeated to a maximum of 12 hours.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

DAN 430 - Advanced Ballet

Credit Hours: 3
Advanced level ballet technique. Variable content course. May be repeated to a maximum of 12 hours.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

DAN 445 - Advanced Jazz

Credit Hours: 3
Advanced level jazz dance techniques. Variable content course. May be repeated to a maximum of 12 hours.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

DAN 482 - Senior Project in Dance

Credit Hours: 2
Public research presentation to demonstrate the student's mastery of the skills received during the completion of the

major. Required of all BS in Dance majors.

Prerequisite: 90 hours; and permission of instructor.
Lecture contact hours: 2

Typically offered: Spring

DAN 492 - Senior BFA Review

Credit Hours: 2
Public presentation of portfolio and performance to demonstrate the student's mastery of the skills developed during the major. Required of all BFA Dance majors.

Prerequisite: permission of BFA coordinator.
Lecture contact hours: 2

Typically offered: Spring

DAN 496 - Readings

Credit Hours: 1-3
Individual experimental or research studies in dance. Variable content course. May be repeated to a maximum of six hours.

Prerequisite: permission of instructor.
Typically offered: Demand

DAN 497 - Topics

Credit Hours: 1-3
Group creative or special topics in dance. Variable content course. May be repeated to a maximum of six hours.

Prerequisite: permission of instructor.
Typically offered: Demand

DAN 499 - Projects

Credit Hours: 1-3
Supervised individual creative projects in dance. Variable content course. May be repeated to a maximum of six hours.

Prerequisite: permission of instructor.
Typically offered: Demand

DAN 520 - Practicum

Credit Hours: 3
An administrative, performance, instructional, supervisory or guided dance production experience not available through other class work. Student will apply/audition for acceptable experience. Variable content course. May be repeated to a total of 12 hours. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor.

Lab contact hours: 6

Typically offered: Fall, Spring

DAN 530 - Pointe

Credit Hours: 1
Pointe technique for advanced level ballet dancers. Variable content course. May be repeated to a maximum of four hours.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Demand

DAN 552 - Dance History Seminar

Credit Hours: 3
Selected topics in the history of dance. Variable content course.

Prerequisite: 60 hours and Writing II.
Lecture contact hours: 3

Typically offered: Spring Even

DAN 565 - Dance Pedagogy

Credit Hours: 3
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.

Prerequisite: permission of instructor
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall Even

DAN 592 - Musical Theatre Repertory

Credit Hours: 1
Performance laboratory for advanced dancers. Focused study of musical theatre dance repertory including a performance of at least one dance. Variable content course. May be repeated to a maximum of four hours.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Spring

Disabilities Studies

DAS 100 - Introduction to Disability Studies

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

DAS 397 - Topics in Disability Studies

Credit Hours: 1-3
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 to a maximum of six hours, provided that the topic is different.

Prerequisite: DAS 100 and permission.
Typically offered: Demand

DAS 497 - Directed Readings

Credit Hours: 1-3
Analysis of various topics in Disability Studies not covered in regular courses. May be repeated to a maximum of six hours, provided that the topic is different.

Prerequisite: permission.
Typically offered: Demand

Design

DES 202 - Graphic Design Systems

Credit Hours: 3
Abstract and theoretical applications of design systems including grid information, various symmetries, and printed page formats.

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.
Lab contact hours: 6

Typically offered: Fall

DES 210 - Introduction to Computer Graphic Design

Credit Hours: 3
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.

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.

Lab contact hours: 6

Typically offered: Fall

DES 220 - Materials and Techniques for Sequential Art

Credit Hours: 3
A study of methods and materials used in traditional sequential art.

Prerequisite: ENG 216; and C or better in both DES 301 and DES 303; and Missouri State GPA of at least 2.50; and a GPA of 3.00 or higher in the major; and admitted to BFA in Design, Sequential Art option.
Lab contact hours: 6

Typically offered: Fall

DES 250 - Materials and Techniques for Illustration

Credit Hours: 3
A study of methods and materials used in traditional 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.
Lab contact hours: 6

Typically offered: Fall

DES 300 - Graphics for the Non-Design Major

Credit Hours: 3
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.

Prerequisite: ART 110 or COM 209.
Lab contact hours: 6

Typically offered: Fall, Spring

DES 301 - Graphic Production

Credit Hours: 3
The study of materials and mechanical processes required for single, multiple, and four-color print production.

Prerequisite: C or better in both DES 202 and DES 210 and concurrent enrollment in either ART 202 or ART 255.
Lab contact hours: 6

Typically offered: Spring

DES 303 - Basic Typography

Credit Hours: 3
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.

Prerequisite: C or better in both DES 202 and DES 210 and concurrent enrollment in either ART 202 or ART 255.
Lab contact hours: 6

Typically offered: Spring

DES 320 - Intermediate Sequential Art

Credit Hours: 3
Intermediate study in the literature and techniques of sequential art with practical experience in writing and illustrating comics.

Prerequisite: ART 315 or concurrent enrollment; and C or better in DES 220.
Lab contact hours: 6

Typically offered: Spring

DES 323 - Literature of Sequential Art

Credit Hours: 3
An overview of the literature of graphic narrative (also known as comics/sequential art) from proto-comics to the graphic novel. Identical with ENG 323. Cannot receive credit for both DES 323 and ENG 323.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall, Spring

DES 330 - Communication Design/Methodology

Credit Hours: 3
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.

Prerequisite: C or better in both DES 301 and DES 303 and admitted to BFA Design degree program.
Lab contact hours: 6

Typically offered: Fall

DES 331 - Advanced Typography

Credit Hours: 3
Application of typography in different fields of visual communication and publication design. Exploration of the relationship between meaning, content, and typographic layout.

Prerequisite: C or better in both DES 301 and DES 303 and admitted to BFA Design degree program.
Lab contact hours: 6

Typically offered: Fall

DES 332 - Image Design

Credit Hours: 3
Production of graphic images in relation to written information and/or specific subjects, ideas or messages.

Prerequisite: either ART 225 or ART 315 (or concurrent enrollment in ART 225 or ART 315); and C or better in both DES 330 and DES 331.
Lab contact hours: 6

Typically offered: Spring

DES 340 - Web Design for Design Majors

Credit Hours: 3
Basic knowledge of web design using HTML, including information architecture and image optimization for the web.

Prerequisite: DES 330.
Lab contact hours: 6

Typically offered: Spring

DES 345 - Basic New Media Design

Credit Hours: 3
Course will focus on basic knowledge of new media design and production. The course covers interactive interface design.

Prerequisite: DES 210 or ART 210.
Lab contact hours: 6

Typically offered: Demand

DES 350 - Illustration

Credit Hours: 3
The study of various approaches and techniques of illustration for print and publication, including an introduction to digital illustration.

Prerequisite: ART 315 (or concurrent enrollment in ART 315) and C or better in DES 250 and admitted to BFA Design degree program.
Lab contact hours: 6

Typically offered: Spring

DES 420 - Advanced Sequential Art

Credit Hours: 3
Advanced study in the literature and technique of sequential art and practical experience in writing and illustrating comics.

Prerequisite: ART 377; and ART 225 or concurrent enrollment; and C or better in DES 320.

Lab contact hours: 6

Typically offered: Fall

DES 430 - Advanced Graphics

Credit Hours: 3
The completion of advanced projects in graphic communication, including corporate and product identity, public service and editorial design.

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.
Lab contact hours: 6

Typically offered: Fall

DES 440 - Advanced Web Design for Design Majors

Credit Hours: 3
Advanced skills in web design particularly focusing on interactive flash websites with multimedia content.

Prerequisite: DES 340.
Lab contact hours: 6

Typically offered: Fall

DES 452 - Intermediate Illustration

Credit Hours: 3
The study of illustration as a communicative tool. Students will be assigned problems using various media.

Prerequisite: ART 377 and ART 225 (or concurrent enrollment in ART 225) and C or better in DES 350.
Lab contact hours: 6

Typically offered: Fall

DES 490 - Professional Design Practicum

Credit Hours: 4
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.

Prerequisite: C or better in either DES 430 or DES 452.
Lab contact hours: 6

Typically offered: Fall, Spring

DES 497 - Special Topics in Design

Credit Hours: 3
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. Variable content course. May be repeated to a maximum of nine hours.

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.
Lab contact hours: 6

Typically offered: Spring

DES 499 - Design Internship

Credit Hours: 1
Student will complete actual job assignments for outside organizations under the supervision of a design faculty member. Graded Pass/Not Pass only.

Prerequisite: Missouri State cumulative GPA of at least 2.50 and a GPA of 3.00 or higher in the major; admitted to Design degree program; and permission of Design Program Coordinator.
Typically offered: Demand

Dietetics and Nutrition

DTN 130 - Social and Behavioral Applications of Human Nutrition

Credit Hours: 3
General Education Course: Focus on Social and Behavioral Sciences

This course investigates basic concepts and methods from the social sciences to examine food, eating, and human nutrition. Culture, policy, and social influences related to health behaviors and food consumption at different stages of the life span will be explored.

Lecture contact hours: 3

Typically offered: Fall, Spring

DTN 240 - Introduction to Nutrition

Credit Hours: 3
A nutrition course for health science related majors. Study of nutrients with emphasis on their sources and functions in human growth and health. Discussion of nutrition topics as they relate to health including digestion, absorption and food metabolism, weight management, sports nutrition, and nutritional needs for various life stages. A C grade or better is required in this course in order to take BMS 567.

Prerequisite: C- grade or better in CHM 116 or [CHM 116 and CHM 117] or CHM 160 or [CHM 160 and CHM 161] or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

DTN 300 - Service-Learning in Dietetics and Nutrition

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent enrollment in a Dietetics and Nutrition course designated as service-learning offering.
Typically offered: Fall, Spring

DTN 305 - Introduction to Nutrition and Dietetics

Credit Hours: 1
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.

Prerequisite: DTN 240 or concurrent enrollment.
Lab contact hours: 2

Typically offered: Fall, Spring

DTN 306 - Computer Applications in Nutrition and Dietetics

Credit Hours: 1
Students will be introduced to and learn computer software applications related to education material design, media, productivity, nutrition informatics, food production, nutrition analysis, and cloud storage. Various software will be utilized to develop computer skills in productivity, design, nutrient analysis, social media, and research. Cannot be taken Pass/Not Pass.

Prerequisite: DTN 240 or concurrent enrollment.
Lab contact hours: 2

Typically offered: Fall, Spring

DTN 330 - Food Selection and Preparation for Health

Credit Hours: 2
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.

Prerequisite: DTN 130 or DTN 240 or concurrent enrollment.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall, Spring

DTN 331 - Food Science

Credit Hours: 3
Experimental approach to the study of physical and chemical factors influencing food quality during processing,

preparation and storage.

Prerequisite: DTN 240 and DTN 330; and CHM 201.
Lecture contact hours: 2 **Lab contact hours:** 3

Typically offered: Fall

DTN 332 - Food and Culture

Credit Hours: 3
Exploration of ethnic, religious and regional influences on nutrition and health status, including the role of diet in traditional health beliefs.

Prerequisite: DTN 130; or DTN 240 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall, Spring

DTN 333 - Nutrition Throughout the Life Span

Credit Hours: 3
Factors that influence nutrient requirements during pregnancy, lactation, infancy, childhood, adolescence and aging. Recommendations for food intake based upon assessment of case studies.

Prerequisite: DTN 240.
Lecture contact hours: 3

Typically offered: Fall, Spring

DTN 334 - Introduction to Nutrition Assessment and Sports Nutrition

Credit Hours: 3
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.

Prerequisite: DTN 130 or DTN 240.
Lecture contact hours: 3

Typically offered: Fall, Spring

DTN 335 - Nutritional Assessment

Credit Hours: 3
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.

Prerequisite: DTN 240.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

DTN 338 - Food Safety Certification

Credit Hours: 1
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 grade or better in this course.

Prerequisite: BIO 212 and BIO 213 (or credit for BIO 210 taken prior to Fall 2019).
Lab contact hours: 2

Typically offered: Demand

DTN 340 - Nutrition Education and Communications

Credit Hours: 2
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.

Prerequisite: DTN 240; and DTN 330 or concurrent enrollment; and PSY 121.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall

DTN 345 - World Hunger

Credit Hours: 3
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.

Prerequisite: DTN 130; or DTN 240 or concurrent enrollment; or AGR 100.
Lecture contact hours: 3

Typically offered: Fall, Spring

DTN 390 - The Exchange System

Credit Hours: 1
This course is designed to assist the 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. This course may count towards the Nutrition minor. It is not required for the Dietetics major but may be beneficial. Variable content course. With different topics, may be repeated to a maximum of two hours.

Prerequisite: DTN 240.
Lab contact hours: 2

Typically offered: Demand

DTN 391 - Home Food Preservation

Credit Hours: 1
This course 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.

Lab contact hours: 2

Typically offered: Demand

DTN 392 - The Mediterranean Diet

Credit Hours: 1
This is an Intersession Education Abroad opportunity 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 Office of Education Abroad. Variable content course. With travel to different countries/regions, may be repeated to a maximum of four hours.

Prerequisite: permission.
Lab contact hours: 2

Typically offered: Spring

DTN 395 - Nutrition Intervention in Eating Disorders

Credit Hours: 1
This course is designed to assist the 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.

Prerequisite: DTN 240.
Lab contact hours: 2

Typically offered: Demand

DTN 396 - Alcohol, Addiction, and Nutrition

Credit Hours: 1
This course is designed to assist the student in understanding the use and abuse of alcohol and other substances in the American diet and nutrition interventions that may be needed.

Prerequisite: DTN 240.
Lab contact hours: 2

Typically offered: Demand

DTN 397 - Topics in Heart Healthy Cooking

Credit Hours: 1-3
Selected topics on heart healthy cooking techniques. Variable content course. With different topics, may be repeated to a maximum of six hours.

Typically offered: Demand

DTN 400 - International Service-Learning: Malnutrition in Developing Countries

Credit Hours: 1-3
The integrated service-learning component for this course incorporates international community service with classroom instruction in nutrition specifically focusing on malnutrition and nutrition 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 is available from the instructor and the Citizenship and Service-Learning Office. May be repeated to a maximum of six hours.

Prerequisite: 30 hours and permission of instructor.
Typically offered: Demand

DTN 430 - Sports Nutrition

Credit Hours: 3
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.

Prerequisite: DTN 240; and BMS 308 or KIN 252.
Lecture contact hours: 3

Typically offered: Fall

DTN 437 - Quantity Foods in Healthcare and School Food Service

Credit Hours: 3
Application of sanitation policies and procedures, preparation, production, and distribution of food to people in hospitals, schools, community programs, and senior living facilities. Other topics include menu planning, recipe developments, food procurements, receiving and storage, food production, quality assurance, equipment select and layout. A passing score on the National ServSafe Food Safety Certification examination is required for completion of this course. Transportation is required.

Prerequisite: DTN 240 and DTN 306 and DTN 330.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall, Spring

DTN 445 - Community Nutrition

Credit Hours: 3
Must be taken last spring term 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.

Prerequisite: DTN 340 and DTN 536.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

DTN 497 - Topics in Nutrition and Dietetics

Credit Hours: 1-3
Selected topics in nutrition and dietetics which will vary from semester to semester. Variable content course. May be repeated to a maximum of six hours, selected topics must be different.

Prerequisite: permission of instructor.
Typically offered: Demand

DTN 498 - Undergraduate Research

Credit Hours: 1-3
Individualized and directed research. May be repeated to a maximum of eight hours.

Prerequisite: permission of instructor.
Typically offered: Demand

DTN 532 - Human Nutrition and Metabolism

Credit Hours: 3
Food nutrients, their digestion, absorption and metabolism. Methods of determining requirements and interrelationships of nutrients.

Prerequisite: DTN 240; and BMS 308 or KIN 252; and CHM 201 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Spring, Summer

DTN 536 - Medical Nutrition Therapy I

Credit Hours: 4
Principles and application of medical nutrition therapy as related to disease and stress.

Prerequisite: admission to Nutrition and Dietetics program; and DTN 306 and DTN 335 and DTN 532; and CHM 352 or concurrent enrollment.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall

DTN 538 - Food and Nutrition Systems Management

Credit Hours: 3
This course will teach the application of managerial processes in various food service establishments. Areas covered include quality management, risk management, strategic management, theories of management and leadership,

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.

Prerequisite: DTN 240 and DTN 306 and DTN 330; and DTN 437 or concurrent enrollment; and admission to the Nutrition and Dietetics program.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

DTN 539 - Senior Seminar in Dietetics

Credit Hours: 1
Must be taken last fall term 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.

Prerequisite: admission to the Nutrition and Dietetics program.
Lab contact hours: 2

Typically offered: Fall

DTN 546 - Medical Nutrition Therapy II

Credit Hours: 4
Principles and application of medical nutrition therapy as related to complex disease states.

Prerequisite: DTN 536.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Spring

DTN 550 - Nutrition Counseling

Credit Hours: 2
Interviewing techniques, counseling theory and methods applied to nutrition counseling. Emphasis is 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.

Prerequisite: DTN 340; and DTN 536 or concurrent enrollment.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall, Spring

DTN 595 - Introduction to Research in Dietetics

Credit Hours: 1
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.

Prerequisite: 90 hours; DTN 335 and DTN 532; and statistics course: QBA 237 or SOC 220 or PSY 200 or MTH

340 or MTH 545.
Lab contact hours: 2

Typically offered: Fall

Digital Fashion Merchandising

DFM 101 - Fashion Fundamentals

Credit Hours: 1
Overview of fashion terminology, product development, and fashion careers.

Lecture contact hours: 1

Typically offered: Fall,Demand

DFM 103 - Fashion Visuals

Credit Hours: 3
Introduction to the fundamentals of fashion visual communication. Skills are cultivated in design ideation, innovation, and visual communication utilizing current technology.

Lecture contact hours: 3

Typically offered: Fall,Demand

DFM 201 - Trends in Fashion History

Credit Hours: 3
Students will gain awareness of past, current, and future trend forecasting, and their effect on the fashion industry. This course will provide an exploration of fashion trends and how they evolved and changed over the decades thus influencing and impacting our fashion lifestyle.

Lecture contact hours: 3

Typically offered: Spring

DFM 202 - Fashion Fabrics

Credit Hours: 3
This course will educate students about current fashion fabrics and materials used in the production of apparel and accessories.

Lecture contact hours: 3

Typically offered: Fall

DFM 203 - Kaledo for the Fashion Industry

Credit Hours: 3
Introduction to the principles and techniques of computer aided design used in the fashion industry.

Prerequisite: C grade or better in DFM 101; and DFM 210.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

DFM 210 - Fashion Technology

Credit Hours: 3
Learn how to apply current computer software in merchandising and fashion industry scenarios.

Prerequisite: declared Digital Fashion and Merchandising major or permission.
Lecture contact hours: 3

Typically offered: Fall,Demand

DFM 270 - Introduction to Digital Studio and Sustainable Fashion

Credit Hours: 3
Sustainable fashion is necessary to minimize the environmental impact on the industry. This course will develop understanding of digital technology garment construction and its connections to and association with fashion design and sustainability.

Lecture contact hours: 3

Typically offered: Fall,Demand

DFM 300 - Special Topics in Digital Fashion Merchandising

Credit Hours: 1-3
Selected topics of contemporary interest in digital fashion merchandising. Variable content course. Offered when resources and demand allow. May be repeated to a maximum of six hours when topics change.

Typically offered: Demand

DFM 301 - Apparel Quality

Credit Hours: 3
This course focuses on apparel development. Emphasis on quality, sourcing, and technical packages.

Prerequisite: C grade or better in DFM 202.
Lecture contact hours: 3

Typically offered: Spring

DFM 302 - Digital Fashion Merchandising Study Tour

Credit Hours: 1-3
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 maximum of six hours.

Typically offered: Demand

DFM 303 - Product Development

Credit Hours: 3
This course examines apparel line development from concept to consumer. A focus on seasonal collections for product categories and merchandising classifications.

Prerequisite: C grade or better in DFM 301.
Lecture contact hours: 3

Typically offered: Fall,Demand

DFM 304 - Fashion Law

Credit Hours: 3
This course will provide an introduction to the legal environment of fashion. Students will gain knowledge in how laws and regulations govern fashion businesses.

Lecture contact hours: 3

Typically offered: Spring, Demand

DFM 305 - Portfolio

Credit Hours: 1
Sourcing and acquisition of an internship are examined. Includes resume writing, interview skills, website portfolio instruction, and correspondence etiquette, including phone and email.

Prerequisite: junior standing.
Lecture contact hours: 1

Typically offered: Fall

DFM 306 - Industry Formulas and Calculations

Credit Hours: 3
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.

Prerequisite: MTH 130 or higher.
Lecture contact hours: 3

Typically offered: Fall

DFM 307 - Advanced Fashion Technology

Credit Hours: 3
Learn how to use current industry software, such as InDesign and Illustrator, for fashion presentations and portfolio

work.

Prerequisite: C grade or better in DFM 210.
Lecture contact hours: 3

Typically offered: Spring, Demand

DFM 360 - Merchandising

Credit Hours: 3
Special topics course in merchandising. Apply key marketing theories, frameworks, and tools to solve merchandising problems.

Prerequisite: C grade or better in DFM 304.
Lecture contact hours: 3

Typically offered: Demand

DFM 361 - Advanced Merchandising

Credit Hours: 3
Special topics course in merchandising. Go beyond theoretical knowledge to gain a practical understanding of merchandising problems.

Prerequisite: C grade or better in DFM 304; and junior standing.
Lecture contact hours: 3

Typically offered: Demand

DFM 362 - Digital Visual Merchandising

Credit Hours: 3
This course offers students the chance to engage in hands-on visual merchandising, while integrating the use of 3D software to design visual displays and merchandise assortments.

Prerequisite: C grade or better in DFM 301.
Lecture contact hours: 3

Typically offered: Spring

DFM 370 - Digital Apparel Materials

Credit Hours: 3
This course develops students' investigative approaches to fashion materials and problem solving. The emphasis is on materializing patterns to create innovative design enhanced by 2D and 3D technology.

Prerequisite: C grade or better in DFM 270.
Lecture contact hours: 3

Typically offered: Spring, Demand

DFM 371 - Digital Apparel Pattern Making

Credit Hours: 3
Through the application of flat pattern methods and draping techniques, students develop advanced apparel styles utilizing 2D and 3D apparel industry software.

Prerequisite: C grade or better in DFM 370.
Lecture contact hours: 3

Typically offered: Spring, Demand

DFM 372 - Digital Flats and Specifications

Credit Hours: 3
In depth exploration of the technical design process and communication for apparel products. Students will be introduced to creating technical packages while learning how to communicate design ideas clearly and effectively through digital means.

Prerequisite: C grade or better in DFM 307.
Lecture contact hours: 3

Typically offered: Fall,Demand

DFM 400 - Problems in Digital Fashion Merchandising

Credit Hours: 1-3
Independent study for those who wish additional work in specific subject areas. May be repeated to a maximum of six hours.

Typically offered: Demand

DFM 401 - Internship in Merchandising

Credit Hours: 3
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.

Prerequisite: DFM 305 and DFM 306 with grades of C or better; and permission.
Typically offered: Summer, Demand

DFM 402 - Internship in Digital Design

Credit Hours: 3
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.

Prerequisite: DFM 305 and DFM 306 and DFM 370 and DFM 371 with grades of C or better; and permission.
Typically offered: Summer, Demand

DFM 403 - Professional Development

Credit Hours: 1
Objectives include the completion of the website portfolio, research to identify major economic factors in the fashion industry, personal marketing, budgeting, and business etiquette.

Prerequisite: C grade or better in DFM 401 or DFM 402 or concurrent enrollment.
Lecture contact hours: 1

Typically offered: Fall,Demand

DFM 460 - Digital Merchandise Buying and Assortment Planning

Credit Hours: 3
Advanced merchandise mathematics. Apply six month merchandise plan and OTB formulas through a simulated 3D buying experience including store planning, merchandising and marketing.

Prerequisite: C grade or better in DFM 306.
Lecture contact hours: 3

Typically offered: Spring

DFM 470 - Advanced Digital Practices

Credit Hours: 3
Student will design, develop and present group and individual looks using 2D and 3D industry specific design software. 3D fit, pattern grading, colorways, rendering and technical package components are the focus for knit and woven garments.

Prerequisite: C grade or better in DFM 371.
Lecture contact hours: 3

Typically offered: Fall,Demand

DFM 560 - Business Analysis

Credit Hours: 3
Analyzing fashion businesses including: target market, location, merchandising classification, human resources, cash flow sheets, profit and loss, store design, assortment planning, marketing strategies and funding. A C grade or better is required for graduation.

Prerequisite: C grade or better in DFM 460 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Spring, Demand

DFM 570 - Digital Senior Studio

Credit Hours: 3
Students will use a range of industry-specific technology solutions to develop portfolio ready fashion collections and create engaging visual presentations. The development process will include digitally simulated fabrics, original 2D and

3D pattern development, technical packages and garment visualization. Students will master digital tools to design, develop and present innovative concepts.

Prerequisite: C grade or better in DFM 470.
Lecture contact hours: 3

Typically offered: Spring, Demand

Early Childhood Education

ECE 301 - Emerging Literacy and Communication Arts

Credit Hours: 3
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.

Prerequisite: CFD 260 and ECE 304; admission to Teacher Education; admission to Early Childhood Education major; concurrent enrollment in ECE 302 and ECE 303; and permission.
Corequisite: ECE 302, ECE 303
Lecture contact hours: 3

Typically offered: Fall, Spring

ECE 302 - Social Studies and Sociomoral Development

Credit Hours: 2
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.

Prerequisite: CFD 260 and ECE 304; admission to Teacher Education; admission to Early Childhood Education major; concurrent enrollment in ECE 301 and ECE 303; and permission.
Corequisite: ECE 301, ECE 303
Lecture contact hours: 2

Typically offered: Fall, Spring

ECE 303 - Mathematics and Science for Young Children

Credit Hours: 3
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.

Prerequisite: CFD 260 and ECE 304; admission to Teacher Education; admission to Early Childhood Education major; concurrent enrollment in ECE 301 and ECE 302; and permission.
Corequisite: ECE 301, ECE 302
Lecture contact hours: 3

Typically offered: Fall, Spring

ECE 304 - Introduction to Early Childhood Education

Credit Hours: 3
An overview of professionalism in the early childhood education field; being a reflective practitioner, integrating play and inquiry-based learning, formatting professional materials, personalizing teaching for children with exceptionalities, learning culturally sustaining pedagogy, and exploring the early childhood professional code of ethics. Initial public school field experience of 30 clock hours.

Prerequisite: CFD 260 or concurrent enrollment; and declared Early Childhood Education major.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

ECE 315 - Classroom Management and Positive Guidance in the Early Childhood Classroom

Credit Hours: 3
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.

Prerequisite: admission to Early Childhood Education major.
Lecture contact hours: 3

Typically offered: Fall, Spring

ECE 399 - Field Experiences in Early Childhood Education

Credit Hours: 1-4
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.

Prerequisite: permission of instructor.
Typically offered: Demand

ECE 400 - Special Topics in Early Childhood Education

Credit Hours: 1-4
Independent study for those who wish additional work in specific topic areas. Variable content course.

Prerequisite: 45 hours and permission of instructor.
Typically offered: Demand

ECE 401 - Curriculum For Early Childhood Education

Credit Hours: 3
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.

Prerequisite: ECE 301 and ECE 302 and ECE 303 and ECE 304; admission to Teacher Education; admission to Early Childhood Education major; concurrent enrollment in ECE 402 and ECE 403.
Corequisite: ECE 402, ECE 403
Lecture contact hours: 3

Typically offered: Fall, Spring

ECE 402 - Assessing Young Children

Credit Hours: 2
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.

Prerequisite: ECE 301 and ECE 302 and ECE 303 and ECE 304; admission to Teacher Education; admission to Early Childhood Education major; concurrent enrollment in ECE 401 and ECE 403.
Corequisite: ECE 401, ECE 403
Lecture contact hours: 2

Typically offered: Fall, Spring

ECE 403 - Integrated Arts in the Early Childhood Curriculum

Credit Hours: 1
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.

Prerequisite: B grade or better in ECE 301 and ECE 302 and ECE 303; and admission to the Early Childhood Education major; and concurrent enrollment in ECE 401 and ECE 402.
Corequisite: ECE 401, ECE 402
Lecture contact hours: 1

Typically offered: Fall, Spring

ECE 490 - Supervised Teaching (Infant/Toddler Settings)

Credit Hours: 6
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.

Prerequisite: all program courses except CFD 560 and CFD 563 which may be taken with or at the completion of supervised teaching; and a C grade or better in all professional education courses; and current pre-professional liability insurance; and approval for supervised teaching.
Typically offered: Fall, Spring

ECE 491 - Supervised Teaching (Preschool/Kindergarten Settings)

Credit Hours: 6
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.

Prerequisite: all program courses except CFD 560 and CFD 563 which may be taken with or at the completion of supervised teaching; and a C grade or better in all professional education courses; and current pre-professional liability insurance; and approval for supervised teaching.
Typically offered: Fall, Spring

ECE 492 - Supervised Teaching (Primary Settings)

Credit Hours: 6
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.

Prerequisite: all program courses except CFD 560 and CFD 563 which may be taken with or at the completion of supervised teaching; and a C grade or better in all professional education courses; and current pre-professional liability insurance; and approval for supervised teaching.
Typically offered: Fall, Spring

ECE 495 - Supervised Teaching in Early Childhood Education

Credit Hours: 6
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.

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.
Typically offered: Fall, Spring

ECE 496 - Supervised Teaching in Early Childhood Education

Credit Hours: 6
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.

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.
Typically offered: Fall, Spring

ECE 499 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

ECE 501 - Home/School/Community Relationships with Young Children and Their Families

Credit Hours: 3
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 501 and ECE 601.

Lecture contact hours: 3

Typically offered: Demand

ECE 575 - Working with Culturally and Linguistically Diverse Children and Families in Early Childhood

Credit Hours: 3
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 taught concurrently with ECE 675. Cannot receive credit for both ECE 575 and ECE 675.

Prerequisite: EDC 345.
Lecture contact hours: 3

Typically offered: Fall, Spring

Economics

ECO 101 - Economics of Social Issues

Credit Hours: 3
General Education Course: Focus on Public Issues **CORE 42:** MOTR number ECON 100 - Introduction to Economics.

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.

Prerequisite: 12 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

Access the CORE 42 Portal

ECO 155 - Principles of Macroeconomics

Credit Hours: 3
General Education Course: Focus on Social and Behavioral Sciences **CORE 42:** MOTR number ECON 101 - Introduction to Macroeconomics.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

Access the CORE 42 Portal

ECO 165 - Principles of Microeconomics

Credit Hours: 3
General Education Course: Focus on Social and Behavioral Sciences **CORE 42:** MOTR number ECON 102 - Introduction to Microeconomics.

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 income, pricing and output of factors of production and foreign trade.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

Access the CORE 42 Portal

ECO 303 - Behavioral Economics and Public Policy

Credit Hours: 1
This course examines solutions to public policy using behavioral economics, in particular the use of "nudges". These solutions often cost less, work as or more effectively, and can sometimes be seen as more ethical than traditional market solutions to problems such as fines, taxes and subsidies. The ethics of such policies is discussed. Topics may include how to increase the availability of organs such as kidneys, increase the savings rate of Americans, reducing the negative impacts human have on the environment, and ways to improve health in the United States.

Prerequisite: undergraduate business majors must be admitted to degree program.
Lecture contact hours: 1

Typically offered: Demand

ECO 304 - Behavioral Economics

Credit Hours: 3
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.

Prerequisite: ECO 165; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ECO 310 - Labor Economics

Credit Hours: 3
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.

Prerequisite: ECO 155 and ECO 165; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

ECO 315 - The Economics of Gender

Credit Hours: 3
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.

Prerequisite: ECO 165.
Lecture contact hours: 3

Typically offered: Demand

ECO 316 - Sports and Entertainment Economics

Credit Hours: 3
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 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.

Prerequisite: ECO 101 or ECO 165 ; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Summer

ECO 320 - American Economic History

Credit Hours: 3
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.

Prerequisite: ECO 101 or ECO 155 or ECO 165; HST 121 or HST 122; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ECO 346 - International Economic Development

Credit Hours: 3
Theory of economic growth and development, with emphasis on developing economies and the techniques for understanding and promoting development.

Prerequisite: ECO 155 and ECO 165; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall Odd

ECO 365 - Intermediate Microeconomics

Credit Hours: 3
Maximizing behavior of households and firms; theory of price and output determination under various market structures; distribution theory; introduction to general equilibrium analysis.

Prerequisite: ECO 165 and completion of General Education Quantitative Literacy requirement; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ECO 385 - Intermediate Macroeconomics

Credit Hours: 3
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.

Prerequisite: ECO 155; and completion of General Education Quantitative Literacy requirement; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ECO 390 - Intersession Topics in Economics

Credit Hours: 1-3
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 nine hours, as course topics change.

Prerequisite: undergraduate business majors must be admitted to degree program.
Typically offered: Demand

ECO 392 - Education Abroad in Economics

Credit Hours: 1-3
Offered in conjunction with an international Education Abroad program, this course consists of three parts; 1. Background research and discussion on selected economic institutions in one or more international locations to be visited. This will focus primarily on economic aspects within countries, and could include exploration of the financial, political, global, historical, social, ethical, and cultural environment. 2. A visit, typically of seven days or longer, to the international destination(s) to explore the culture and visit relevant locations. 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.

Prerequisite: acceptance into the related Education Abroad program; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

ECO 395 - Domestic Field Experience in Economics

Credit Hours: 3
Offered in conjunction with a domestic field experience through the Office of Education Abroad, the course consists of three parts; 1. Background research and discussion on selected U.S. economic institutions in one or more U.S. cities to be visited and the exploration of the financial, political, global, historical, social, ethical, and cultural environment. 2. A visit, typically of seven days or longer, to the U.S. destination(s) to explore the culture and visit relevant locations. 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.

Prerequisite: acceptance into the related field experience program, and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ECO 396 - Directed Readings in Economics

Credit Hours: 1-3
Readings and written reports in the area of particular interest to the student with the consent and guidance of the instructor.

Prerequisite: QBA 237 or equivalent; and ECO 365 or ECO 385; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

ECO 397 - Studies in Economics

Credit Hours: 1-3
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 nine hours, as course topics change.

Prerequisite: undergraduate business majors must be admitted to degree program.
Typically offered: Demand

ECO 409 - Applied Econometrics

Credit Hours: 3
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.

Prerequisite: QBA 237 or equivalent; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ECO 425 - Industrial Organization

Credit Hours: 3
Theory and public policy concerning the structure, conduct and performance of U.S. industries. Primary emphasis is on oligopolies and monopolies.

Prerequisite: ECO 165; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ECO 435 - The Economic Analysis of Law

Credit Hours: 3
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. May be taught concurrently with ECO 635. Cannot receive credit for both ECO 435 and ECO 635.

Prerequisite: ECO 165; and undergraduate business majors must be admitted to degree program.
Typically offered: Spring Odd

ECO 450 - Urban and Regional Economics

Credit Hours: 3
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. May be taught concurrently with ECO 650. Cannot receive credit for both ECO 450 and ECO 650.

Prerequisite: ECO 101 or ECO 165 or GRY 321 ; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring Even

ECO 456 - Comparative Economic Systems

Credit Hours: 3
This course examines the differing institutions of national economies. Students examine economic systems in various countries, past and present. The focus is on strategies countries use to compete globally, promote economic growth and development, provide for the public good, and protect various national interests in an increasingly global environment. Students also examine the ongoing evolution economic systems around the world, especially with regard to balancing the roles played by markets and governments in the economy. May be taught concurrently with ECO 656. Cannot receive credit for both ECO 456 and ECO 656.

Prerequisite: ECO 155; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

ECO 473 - Mathematical Methods for Economics I

Credit Hours: 3
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.

Prerequisite: ECO 155 and ECO 165; and C- grade or better in MTH 130 or higher; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall Odd

ECO 475 - Managerial Economics

Credit Hours: 3
Application of economic analysis to decision making in business management.

Prerequisite: ECO 165; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ECO 492 - Program Assessment

Credit Hours: 0
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.

Prerequisite: 102 hours.
Typically offered: Fall, Spring, Summer

ECO 494 - Internship in Economics

Credit Hours: 1-3
Opportunity to obtain practical understanding and professional growth through appropriate economics-related work experience at a cooperating financial institution, regulatory agency, etc., or in the economics area of a complex 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

Prerequisite: permission of department head; and undergraduate business majors must be admitted to degree program.
Typically offered: Fall, Spring, Summer

ECO 504 - Health Care Economics

Credit Hours: 3
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 504 and ECO 604.

Prerequisite: ECO 165; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall Even

ECO 514 - Game Theory

Credit Hours: 3
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.

Prerequisite: ECO 101 or ECO 165 ; and C- grade or better in MTH 130 or higher; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ECO 515 - Public Sector Economics

Credit Hours: 3
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 515 and ECO 615.

Prerequisite: ECO 155 or ECO 165 ; and C- grade or better in MTH 130 or higher; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ECO 520 - History of Economic Thought

Credit Hours: 3
Development of economic theory. May be taught concurrently with ECO 620. Cannot receive credit for both ECO 520 and ECO 620.

Prerequisite: ECO 155 and ECO 165; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ECO 540 - Environmental, Resource, and Energy Economics

Credit Hours: 3
This course will examine the analysis and application of economic principles to environmental, renewable, and nonrenewable natural resources. Topics include methods for valuing the environment, the role of incentives, cost-benefit analysis, the management of renewable resources such as forest, fisheries, water, and arable land as well as the management of nonrenewable resources such as oil, coal, and natural gas. The course will also examine waste and toxic substance disposal and the effect of industry and agriculture on the environment. May be taught concurrently with ECO 640. Cannot receive credit for both ECO 540 and ECO 640.

Prerequisite: ECO 165; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall Even

ECO 560 - Applied Data Analytics

Credit Hours: 3
Students will learn and apply a variety of supervised, unsupervised, and meta machine learning algorithms to learn how to transform information into actionable intelligence. To that end, students will acquire coding skills and gain experience with statistical programming applications.

Prerequisite: QBA 237 or equivalent; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ECO 565 - International Economics

Credit Hours: 3
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 565 and ECO 665.

Prerequisite: ECO 155 and ECO 165 and QBA 237 ; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

ECO 599 - Directed Research in Economics

Credit Hours: 1-3
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 599 and ECO 699.

Prerequisite: permission of instructor; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

Education, General (Teaching)

EDC 150 - Transitional Pathway: Education

Credit Hours: 0
This course lays the foundation for a successful transition for Teacher Education transfer students. Topics covered include an introduction to the Missouri State Campus and resources, foundational skill development (i.e., navigating web services, library services, other technology-related services, etc.), academic advising, support groups, and counseling services. In addition, this course will cover professional dispositions, the admittance to teacher education process, and a general overview of education as a profession. The student will complete a practicum in a major content area only if requirements were not previously met in a field experience transfer course. Graded Pass/Not Pass only.

Prerequisite: permission from the Director of Secondary Education or the Professional Education Advisement Center.
Typically offered: Fall, Spring, Summer

EDC 199 - Clinical Experiences in Teaching

Credit Hours: 2
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 master's-level certification programs.

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.
Typically offered: Fall, Spring

EDC 249 - Schooling in America

Credit Hours: 3
General Education Course: Focus on Public Issues

Examines critical and contemporary issues in education, the broad sociocultural and sociopolitical contexts of educational institutions in the United States and Missouri, including the crucial role the institution of schooling has with regard to shifting social issues and public policy.

Prerequisite: 12 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

EDC 345 - Introduction to Multicultural Education and Diversity

Credit Hours: 3
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.

Prerequisite: EDC 150 or SEC 302 or CFD 260 or ELE 302 or SPE 310 or KIN 200 or MUS 200 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

EDC 350 - School and Society

Credit Hours: 3
This course 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.

Prerequisite: admitted to Teacher Education or concurrent enrollment in EDC 150; and PSY 385 or CFD 257 (Elementary Education major) or CFD 160 (Early Childhood Education major) or PSY 360 (Secondary, Middle School, and K-12 majors) or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall, Spring

Educational Technology

EDT 365 - Educational Applications of Technology and Media

Credit Hours: 3
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.

Prerequisite: CFD 260 or ELE 302 or SEC 302 or SPE 310, or concurrent enrollment for teacher education majors.

Lecture contact hours: 3

Typically offered: Fall, Spring

EDT 520 - Technologies in a Contemporary School Setting

Credit Hours: 1
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.

Prerequisite: EDT 365 ; and concurrent enrollment in ELE 500 or MID 425 or SEC 439 .
Lecture contact hours: 1

Typically offered: Fall, Spring

EDT 530 - Technology Systems Management and Maintenance

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

EDT 545 - Building Blocks for Coding in an Educational Setting

Credit Hours: 3
This course explores systematic approaches that can be used in the classroom to help students develop computational thinking skills through computer coding. To understand how computer coding can support learning, help develop problem solving skills, be an outlet for expression and creativity, and be used to increase motivation and persistence, current research will be explored. This "learn by doing course" will introduce content and pedagogical knowledge related to coding. Students will discover resources and lessons on how to introduce computer coding in the classroom and ways to integrate digital skills to facilitate learning. May be taught concurrently with EDT 645. Cannot receive credit for both EDT 545 and EDT 645.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

EDT 560 - Digital-Age Learning Environments

Credit Hours: 3
This course covers the use of educational technology tools to guide the student in systematically developing e-learning instruction. These tools are taught and utilized as individual assignments to maximize learning in e-learning environments and include the topics of usability and accessibility. 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.

Lecture contact hours: 3

Typically offered: Fall, Spring

EDT 562 - Educational Applications of Computers for Teaching

Credit Hours: 3
Using computers in educational settings, this course includes the investigation of software applications for classroom teaching. Emphasis is placed on the selection of numerous educational technology tools for classroom utilization to enhance student learning. May be taught concurrently with EDT 662. Cannot receive credit for both EDT 562 and EDT 662.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

EDT 563 - Technology Administration and Management

Credit Hours: 2
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.

Lecture contact hours: 2

Typically offered: Demand

EDT 565 - Selection and Utilization of Educational Technology

Credit Hours: 3
This course involves the principles and techniques of selecting and utilizing computer technology as well as other basic forms of auditory, visual and tactile instructional media and technologies. These technologies are used in a variety of educational, instructional, informational, and communications settings. Educational research, instructional design skills, equipment operation, and materials production as they relate to teaching strategies are all a part of this course. May be taught concurrently with EDT 665. Cannot receive credit for both EDT 565 and EDT 665.

Lecture contact hours: 3

Typically offered: Spring

EDT 597 - Topical Issues in Educational Technology

Credit Hours: 1-6
This is a variable credit course with the 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 are covered. May

be repeated to a maximum of six hours. May be taught concurrently with EDT 690. Cannot receive credit for both EDT 597 and EDT 690.

Typically offered: Demand

Early Childhood and Elementary Education

EEM 305 - Field Experiences in Education

Credit Hours: 2
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.

Prerequisite: admitted to Teacher Education.
Lab contact hours: 4

Typically offered: Fall, Spring

EEM 399 - Problems in Education

Credit Hours: 1-3
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 three hours.

Prerequisite: admitted to Teacher Education and permission of school director.
Typically offered: Fall, Spring

EEM 501 - Introduction to Technology-Based Inquiry Instruction

Credit Hours: 3
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.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Fall

EEM 502 - Applications of Technology-Based Inquiry Instruction

Credit Hours: 3
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.

Prerequisite: admitted to Teacher Education; and C grade or better in EEM 501.
Lecture contact hours: 3

Typically offered: Spring

EEM 503 - Implementing Technology-Based Inquiry Instruction

Credit Hours: 3
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.

Prerequisite: admitted to Teacher Education; and EEM 501 and EEM 502 with grades of C or better.
Lecture contact hours: 3

Typically offered: Fall

EEM 516 - Nature Unfolds

Credit Hours: 3
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.

Prerequisite: one college level science course, BIO 100 recommended; GPA of at least 2.75.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

EEM 517 - Nature Unleased

Credit Hours: 3
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.

Prerequisite: one college level science course, BIO 100 recommended; GPA of at least 2.75.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

EEM 518 - Project Wet, WILD, and Learning Tree

Credit Hours: 3
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.

Prerequisite: one college level science course, BIO 100 recommended; GPA of at least 2.75.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

EEM 519 - Nature Unhooked: Conserving Missouri's Aquatic Ecosystems

Credit Hours: 3
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.

Prerequisite: one college level science course, BIO 100 recommended; GPA of at least 2.75.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

EEM 576 - Topical Issues in Education

Credit Hours: 1-5
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. Approved recurring course topic: B.E.A.R.S. Seminars. A series of seven 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 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. 1(1-0) F. A maximum of three hours may be used on a degree program. Variable content course. May be taught concurrently with EEM 676. Cannot receive credit for both EEM 576 and EEM 676.

Prerequisite: permission may be required, see schedule.
Lecture contact hours: 1

Typically offered: Demand

EEM 596 - Orientation for Intensive Language and Cultural Experience for Educators

Credit Hours: 1
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 596 and EEM 606.

Prerequisite: previous foreign language experience, participation in Hispanic Educational Access Initiative, and permission of instructor; students selected by application and interview process.
Lecture contact hours: 1

Typically offered: Spring

EEM 597 - Intensive Language and Cultural Experience for Educators

Credit Hours: 4
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 597 and EEM 607.

Prerequisite: EEM 596 and permission of instructor.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Summer

EEM 598 - Post-Travel Seminar for Intensive Language and Cultural Experience for Educators

Credit Hours: 1
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 598 and EEM 608.

Prerequisite: EEM 596 and EEM 597 and permission of instructor.
Lecture contact hours: 1

Typically offered: Fall

Engineering

EGR 110 - Study and Careers in Engineering

Credit Hours: 1
Examination of fields of engineering and career opportunities in engineering. Professional expectations of engineers. Introduction to resources for assisting student success.

Lecture contact hours: 1

Typically offered: Fall

Elementary Education

ELE 300 - Service-Learning in Elementary Education

Credit Hours: 1
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.

Prerequisite: EDC 150 and completion of 30 hours; and concurrent registration in an ELE course designated as a service-learning offering.
Typically offered: Demand

ELE 302 - Introduction to Elementary Education and Clinical/Field Experience

Credit Hours: 3
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 B grade or better is required in this course to enroll in supervised teaching.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

ELE 400 - Elementary Integrated Methods and Practicum

Credit Hours: 2-3
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.

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.
Corequisite: KIN 400
Typically offered: Demand

ELE 410 - Teaching and Learning in the Elementary Classroom

Credit Hours: 3
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.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Fall, Spring

ELE 425 - Methods of Teaching Communication Arts in Elementary Schools

Credit Hours: 3
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.

Prerequisite: B grade or better in ELE 410 and LTC 420 and LTC 421 ; and C grade or better in ENG 105 or ENG 110 ; and 3 hours from the General Education Focus on Written Communication and Integrative and Applied Learning;

and admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Fall, Spring

ELE 429 - Methods of Teaching of Mathematics in Elementary Schools

Credit Hours: 3
This course is designed to provide the necessary background and experience for candidates who plan to teach at the elementary or middle school level. The emphasis of this course will enable teacher candidates to learn about current trends and issues, as well as, challenge the candidates' beliefs about teaching mathematics. Issues pertaining to lesson planning and implementation, assessment, integration of appropriate mathematical resources including technology, and fostering the belief that all students learn and more importantly understand mathematics will also be emphasized.

Prerequisite: B grade or better in ELE 410 and LTC 420 and LTC 421; and C grade or better in MTH 320; and C grade or better in MTH 360 or concurrent enrollment; and admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Fall, Spring

ELE 434 - Methods of Teaching Science in Elementary Schools

Credit Hours: 3
Current issues and approaches in teaching elementary school science to children, including exceptional children who are mainstreamed in regular classrooms.

Prerequisite: B grade or better in ELE 410 and LTC 420 and LTC 421; and C grade or better in 8 hours of science (one biology and one physical science); and admitted to Teacher Education.
Recommended Prerequisite: concurrent enrollment in GRY 240.

Lecture contact hours: 3

Typically offered: Fall, Spring

ELE 438 - Methods of Teaching Social Studies in Elementary Schools

Credit Hours: 3
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.

Prerequisite: B grade or better in ELE 410 and LTC 420 and LTC 421; and C grade or better in HST 121 or HST 122 and in PLS 101; and admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Fall, Spring

ELE 440 - Classroom Management and Assessment in the Elementary Classroom

Credit Hours: 2
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.

Prerequisite: concurrent enrollment in ELE 429 and/or ELE 434 and/or ELE 438; and admitted to Teacher Education.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

ELE 458 - Theory Into Practice

Credit Hours: 2
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.

Prerequisite: concurrent enrollment in ELE 495.
Lecture contact hours: 2

Typically offered: Fall, Spring

ELE 495 - Supervised Teaching (Elementary)

Credit Hours: 6
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.

Prerequisite: B grade or better in all professional education courses; current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in ELE 496.
Corequisite: ELE 496
Typically offered: Fall, Spring

ELE 496 - Supervised Teaching (Elementary)

Credit Hours: 4-6
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.

Prerequisite: concurrent enrollment in ELE 495.
Corequisite: ELE 495
Typically offered: Fall, Spring

ELE 499 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: B grade or better in EDC 199; and admitted to Teacher Education; and B grade or better in all professional education courses; and B grade 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 LTC 420 or LTC 656, and LTC 421 or LTC 656; and C grade 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.
Typically offered: Fall, Spring

ELE 500 - Current Issues and Applications in Elementary Education

Credit Hours: 3-5
Application of current innovations and examination of contemporary issues facing elementary teachers including classroom management, inclusion, multilingual 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 500 and ELE 600. Public Affairs Capstone Experience course.

Prerequisite: B grade or better in ELE 425 and ELE 429 and ELE 434 and ELE 438 and LTC 420 and LTC 421 ; and concurrent enrollment in ELE 510 .
Corequisite: ELE 510
Typically offered: Fall, Spring

ELE 501 - Home/School/Community Relationships with Elementary Children and their Families

Credit Hours: 2
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.

Prerequisite: B grade or better in ELE 429 and ELE 434 and ELE 438 and LTC 420 and LTC 421; and concurrent enrollment in ELE 500.
Lecture contact hours: 2

Typically offered: Fall, Spring

ELE 502 - Integrated Arts in Elementary Education Curriculum

Credit Hours: 1
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.

Prerequisite: B grade or better in ELE 429 and ELE 434 and ELE 438 and LTC 420 and LTC 421; and concurrent enrollment in ELE 500.
Lecture contact hours: 1

Typically offered: Fall, Spring

ELE 510 - The Reflective Practitioner

Credit Hours: 3
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.

Prerequisite: B grade or better in ELE 429 and ELE 434 and ELE 438 and LTC 420 and LTC 421; and concurrent enrollment in ELE 500.
Corequisite: ELE 500
Lecture contact hours: 3

Typically offered: Fall, Spring

ELE 530 - Teaching Multilingual Learners in the Elementary Classroom

Credit Hours: 2
Focuses on state and federal mandates for educating multilingual 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 multilingual learners in the regular elementary classroom through differentiation and sheltered instruction of grade-level content.

Prerequisite: B grade or better in ELE 429 and ELE 434 and ELE 438 and LTC 420 and LTC 421.
Lecture contact hours: 2

Typically offered: Fall, Spring

English

ENG 100 - Introduction to College Composition

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 105 - Writing I with Studio

Credit Hours: 5
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 contexts, including social, academic, and professional. Students work on argumentation, rhetorical analysis, and editing for clarity, style, and conventions. Course uses an interactive approach that includes additional classroom support through individualized and small-group writing instruction. Cannot receive credit for both ENG 105 and ENG 110.

Prerequisite: appropriate placement score.
Lecture contact hours: 5

Typically offered: Fall

ENG 110 - Writing I

Credit Hours: 3
General Education Course: Focus on Written Communication and Information Literacy **CORE 42:** MOTR number ENGL 100 - Composition I.

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.

Prerequisite: appropriate placement score or ENG 100 .
Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

ENG 131 - Introduction to Careers in Technical and Professional Writing

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Spring

ENG 184 - Mini Literature

Credit Hours: 1
Topics in literature, such as detective fiction, Missouri writers, new fiction. Variable content course, check semester class schedule for topics offered. Course may be repeated, provided topic and title are different, to a maximum of six hours. May be counted toward General Education Humanities requirement for those following a general education catalog prior to fall 1997.

Lecture contact hours: 1

Typically offered: Fall, Spring

ENG 190 - Language Skills

Credit Hours: 1
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. Variable content course, check semester class schedule to determine topics being offered. Course may be repeated, provided topic and title are different, to a maximum of three hours. Will not satisfy the general education requirement in English.

Lecture contact hours: 1

Typically offered: Fall, Spring

ENG 191 - Grammar Skills

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

ENG 200 - Great Books and Instant Classics

Credit Hours: 3
General Education Course: Focus on Humanities **CORE 42:** MOTR number LITR 100 - Introduction to Literature.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

Access the CORE 42 Portal

ENG 201 - Public Issues in Popular Culture

Credit Hours: 3
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.

Prerequisite: 12 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 203 - Creative Writing: Poetry

Credit Hours: 3
General Education Course: Focus on the Arts **CORE 42:** MOTR number PERF 106P - Creative Writing-Poetry.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

Access the CORE 42 Portal

ENG 205 - Creative Writing: Nonfiction

Credit Hours: 3
General Education Course: Focus on the Arts **CORE 42:** MOTR number PERF 106NF - Creative Writing-Nonfiction.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

Access the CORE 42 Portal

ENG 210 - Writing II: Writing Across the Disciplines

Credit Hours: 3
General Education Course: Focus on Written Communication and Integrative and Applied Learning **CORE 42:** MOTR number ENGL 200 - Composition II.

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.

Prerequisite: 30 hours and ENG 110 or equivalent.
Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

ENG 215 - Creative Writing: Short Story

Credit Hours: 3
General Education Course: Focus on the Arts **CORE 42:** MOTR number PERF 106F - Creative Writing-Fiction.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

Access the CORE 42 Portal

ENG 216 - Introduction to the Graphic Novel

Credit Hours: 3
Introduction to the literature, theory, technique, and terminology of graphic narrative and practical experience in the writing of graphic narrative.

Lecture contact hours: 3

Typically offered: Fall

ENG 221 - Writing II: Writing for the Professions

Credit Hours: 3
General Education Course: Focus on Written Communication and Integrative and Applied Learning **CORE 42:** MOTR number ENGL 200 - Composition II.

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.

Prerequisite: 30 hours and ENG 110 or equivalent.
Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

ENG 222 - Writing for Social Change

Credit Hours: 3
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.

Prerequisite: 12 hours, and ENG 110 or equivalent.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 225 - Creative Writing: Playwriting

Credit Hours: 3
Problems in playwriting.

Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 235 - Critical Approaches to Literature

Credit Hours: 3
Writing analytical papers employing a variety of critical methods of reading and interpreting poetry, fiction, and drama.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 282 - Literature by Women

Credit Hours: 3
General Education Course: Focus on Humanities **CORE 42:** MOTR number LITR 106 - Women's Literature.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

ENG 283 - Folklore and Cultural Engagement

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 285 - Subjects in Folklore

Credit Hours: 1
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. Variable content course. May be repeated to a maximum of six hours.

Prerequisite: ENG 110.
Lecture contact hours: 1

Typically offered: Fall, Spring

ENG 287 - Life Stages in Literature

Credit Hours: 3
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.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 289 - Literature, Culture, and Social Justice

Credit Hours: 3
General Education Course: Focus on Cultural Competence **CORE 42:** MOTR number LITR 105 - Multicultural Literature.

This course explores how literature imagines cultural identities, relationships between cultural groups, systematic oppression of particular groups, and efforts to resolve intergroup conflicts and achieve social justice. 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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

ENG 291 - Introduction to Teaching English to Speakers of Other Languages TESOL

Credit Hours: 1
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.

Prerequisite: ENG 110 and 30 hours; and concurrent enrollment in ENG 300.
Lecture contact hours: 1

Typically offered: Spring

ENG 296 - Introduction to Linguistics

Credit Hours: 3
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.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 300 - Service-Learning in English

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in an English course designated as a service-learning offering.
Typically offered: Fall, Spring

ENG 301 - Seminar in English Studies and Public Affairs

Credit Hours: 3
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.

Prerequisite: ENG 235; and must be taken in the senior year or by permission (with a minimum of 75 hours completed).
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 302 - English Transfer Student Orientation

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Fall, Spring

ENG 303 - Creative Writing: Poetry II

Credit Hours: 3
An intermediate course, aimed at developing skills and extending knowledge begun in ENG 203.

Prerequisite: ENG 203.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 304 - General Methods of English Language Arts Instruction in Middle and Secondary Schools

Credit Hours: 3
This serves as the gateway course to the English education program. The course focuses on the principles and objectives of secondary education: methods of meeting the diverse educational needs of today's middle and secondary students, techniques of teaching, unit and lesson construction, and daily planning. Students participate in a 30-hour field experience in area schools with highly diverse populations. A C grade or better in this course is required to be admitted to Teacher Education. 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.

Prerequisite: 2.50 GPA; and 30 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 305 - Creative Writing: Nonfiction II

Credit Hours: 3
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 maximum of six 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.

Prerequisite: ENG 205.
Lecture contact hours: 3

Typically offered: Demand

ENG 310 - Writing II: Writing for Graduate and Professional Schools

Credit Hours: 3
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.

Prerequisite: 45 hours and ENG 110 or equivalent.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 312 - Introduction to Shakespeare

Credit Hours: 3
Selected representative plays and poems of Shakespeare.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 315 - Creative Writing: Fiction II

Credit Hours: 3
Intermediate-level work in short story writing. Introduction to the theory, techniques, and terminology of novella and novel writing. Individual conferences.

Prerequisite: ENG 215.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 316 - Graphic Narrative II

Credit Hours: 3
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.

Prerequisite: ENG 216 or permission of instructor.
Lecture contact hours: 3

Typically offered: Spring

ENG 317 - Introduction to Popular Culture Studies

Credit Hours: 3
An introduction to theories applied in the field of cultural studies. Emphasis will be placed on primary sources and their application to literature, media, and popular culture. Identical with MED 317 . Cannot receive credit for both ENG 317 and MED 317 .

Prerequisite: ENG 235 and MED 120 .
Lecture contact hours: 3

Typically offered: Spring

ENG 321 - Writing II: Beginning Technical Writing

Credit Hours: 3
General Education Course: Focus on Written Communication and Integrative and Applied Learning

Experience in professional 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.

Prerequisite: 45 hours and ENG 110 or equivalent.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 322 - Advanced Writing for Social Change

Credit Hours: 3
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.

Prerequisite: ENG 222.
Lecture contact hours: 3

Typically offered: Spring

ENG 323 - Literature of Sequential Art

Credit Hours: 3
An overview of the literature of graphic narrative (also known as comics/sequential art) from proto-comics to the graphic novel. Identical with DES 323. Cannot receive credit for both DES 323 and ENG 323.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 325 - Creative Writing Playwriting II

Credit Hours: 3
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.

Prerequisite: ENG 225.
Lecture contact hours: 3

Typically offered: Fall

ENG 326 - Advanced Argument Writing

Credit Hours: 3
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.

Prerequisite: 12 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 330 - Studies in Literature

Credit Hours: 3
Examination of literary modes such as humor, satire, fantasy, tragedy, or genres such as essay, short story, biography. May be repeated to a maximum of six hours with variable topics.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Demand

ENG 334 - Literature for Children

Credit Hours: 3
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.

Prerequisite: ENG 110.

Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 336 - Literature for Middle School

Credit Hours: 3
Study of various genres-poetry, illustrated books, modern realistic and fantasy fiction, drama, nonfiction--appropriate for middle school (grades 5-9); criteria for selection.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 338 - Literature for Young Adults

Credit Hours: 3
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.

Prerequisite: ENG 110 and 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 339 - Writing for Children and Young Adults

Credit Hours: 3
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.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall

ENG 340 - Survey of English Literature I

Credit Hours: 3
CORE 42: MOTR number LITR 102A - British Literature-Beginning to 18th Century.

Representative authors, movements, ideas, and styles in English literature from the beginning to 1790.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

ENG 341 - Survey of English Literature II

Credit Hours: 3
CORE 42: MOTR number LITR 102B - British Literature-Late 18th Century to the Present.

Representative authors, movements, ideas, and styles in English literature from 1790 to the present.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

ENG 350 - Survey of American Literature I

Credit Hours: 3
CORE 42: MOTR number LITR 101A - American Literature-Pre Civil War.

Representative authors, movements, ideas, and styles in American literature from the beginning to 1870.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

ENG 351 - Survey of American Literature II

Credit Hours: 3
CORE 42: MOTR number LITR 101B - American Literature-Post Civil War.

Representative authors, movements, ideas, and styles in American literature from 1870 to the present.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

ENG 354 - Ethnic American Literature

Credit Hours: 3
Study of representative literary works by African American, Hispanic American, Native American, or other minority authors. Variable content course. May be repeated to a maximum of six hours if topic is different.

Prerequisite: ENG 110.

Lecture contact hours: 3

Typically offered: Fall

ENG 355 - African American Literature

Credit Hours: 3
Survey of representative works of fiction, poetry, drama, and creative nonfiction in the context of social and cultural movements. Identical with AAS 355. Cannot receive credit for both ENG 355 and AAS 355.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Spring

ENG 360 - Survey of European Literature I

Credit Hours: 3
European literature beginning with the Bible and Greek works, and ending at 1700. (Excludes British literature)

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Demand

ENG 361 - Survey of European Literature II

Credit Hours: 3
European literature from 1700 to the present. (Excludes British literature)

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Demand

ENG 362 - Non-European World Literature

Credit Hours: 3
CORE 42: MOTR number LITR 200 - World Literature.

Literature from all areas (except literature of England, Western Europe, and the United States). Variable content course. May be repeated to a maximum of six hours if topic is different.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Demand

Access the CORE 42 Portal

ENG 363 - Introduction to African Literature

Credit Hours: 3
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. Identical with AAS 363. Cannot receive credit for both ENG 363 and AAS 363.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Demand

ENG 366 - Popular Fiction

Credit Hours: 3
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

Prerequisite: ENG 110 or equivalent.
Lecture contact hours: 3

Typically offered: Spring

ENG 373 - Writing with Technology

Credit Hours: 3
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.

Prerequisite: ENG 110 or equivalent; and 45 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 377 - Professional Editing

Credit Hours: 3
Study of editing and the roles of an editor in the workplace through editing cycles and contemporary editing practices. Emphasis on audience adaptation; professional ethics; and document organization, style, and mechanics.

Prerequisite: ENG 110 and 60 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 385 - Ozarks Traditions

Credit Hours: 3
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.

Prerequisite: ENG 283.
Lecture contact hours: 3

Typically offered: Spring

ENG 386 - Literature of the Ozarks

Credit Hours: 3
Survey of representative works of fiction and poetry focusing on the Ozarks or Ozarks characters.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 390 - Modern English Grammar

Credit Hours: 3
The structure of American English, with emphasis on current descriptive approaches to English grammar.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 405 - Teaching of Middle and High School English

Credit Hours: 6
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 C grade or better is required in this course in order to take ENG 432 or ENG 433. Cannot be taken Pass/Not Pass.

Prerequisite: 30 hours in English; and admitted to Teacher Education; and ENG 521.
Lecture contact hours: 4 **Lab contact hours:** 2

Typically offered: Fall, Spring

ENG 421 - Advanced Technical Writing

Credit Hours: 3
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.

Prerequisite: ENG 321.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 422 - Career Focus in Professional Writing

Credit Hours: 3
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.

Prerequisite: ENG 373 and ENG 377 and ENG 421.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 432 - Supervised Teaching (Secondary English)

Credit Hours: 5-6
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.

Prerequisite: ENG 405; and C grade or better in all professional education courses; and current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in ENG 433.
Corequisite: ENG 433
Typically offered: Fall, Spring

ENG 433 - Supervised Teaching (Secondary English)

Credit Hours: 5-6
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.

Prerequisite: concurrent enrollment in ENG 432.
Corequisite: ENG 432
Typically offered: Fall, Spring

ENG 434 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

ENG 435 - Advanced Literary Theory: From Antiquity to the Present

Credit Hours: 3
Literary theory from antiquity to the present. Emphasis on history and application of contemporary literary theories / schools to writing about literature and culture.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Demand

ENG 455 - African American Drama

Credit Hours: 3
Study of African American drama from the antebellum period to the present, with emphasis on the intersections of dramatic art and such social and cultural movements as abolitionism, the Harlem Renaissance, and the Black Arts Movement. Identical with AAS 455. Cannot receive credit for both ENG 455 and AAS 455.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Demand

ENG 464 - English Studies Internship

Credit Hours: 1-3
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. May be repeated to a maximum of three hours.

Prerequisite: declared major or minor in the Department of English and permission of Internship Coordinator.
Typically offered: Fall, Spring, Summer

ENG 473 - Writing with Technology II

Credit Hours: 3
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.

Prerequisite: ENG 373.
Lecture contact hours: 3

Typically offered: Fall

ENG 477 - Advanced Professional Editing

Credit Hours: 3
Study of the process of creating a new piece of writing by clarifying, reducing, expanding, and synthesizing materials written by others through a client-based editing project. Focus on building author-editor relationships while managing the editing cycle.

Prerequisite: ENG 377.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 483 - Folklore and Literature

Credit Hours: 3
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.

Prerequisite: ENG 283.
Lecture contact hours: 3

Typically offered: Spring

ENG 485 - Study of American Folklore

Credit Hours: 3
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.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall

ENG 487 - Analysis of Scientific Literature

Credit Hours: 3
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.

Prerequisite: ENG 110 and 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 491 - History of the English Language

Credit Hours: 3
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.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

ENG 494 - Dialects of American English

Credit Hours: 3
Regional, social, and ethnic variation in American English. Incorporates linguistic geography and sociolinguistic approaches, and considers relevant political and educational issues.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 500 - Advanced Writing: Nonfiction

Credit Hours: 3
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 to a maximum of six hours. May be taught concurrently with ENG 604. Cannot receive credit for both ENG 500 and ENG 604.

Prerequisite: ENG 305 or ENG 321.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 501 - Advanced Writing: Fiction

Credit Hours: 3
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 maximum of six hours. May be taught concurrently with ENG 601. Cannot receive credit for both ENG 501 and ENG 601.

Prerequisite: ENG 315.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 503 - Advanced Writing: Poetry

Credit Hours: 3
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 maximum of six hours. May be taught concurrently with ENG 607. Cannot receive credit for both ENG 503 and ENG 607.

Prerequisite: ENG 303.
Lecture contact hours: 3

Typically offered: Fall

ENG 505 - Methods in Teaching English to Speakers of Other Languages TESOL

Credit Hours: 3
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 505 and ENG 605.

Prerequisite: ENG 595.
Lecture contact hours: 3

Typically offered: Spring

ENG 506 - Advanced Writing: Drama

Credit Hours: 3
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 maximum of six hours. May be taught concurrently with ENG 606. Cannot receive credit for both ENG 506 and ENG 606.

Prerequisite: ENG 225.
Lecture contact hours: 3

Typically offered: Spring

ENG 510 - Chaucer

Credit Hours: 3
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 510 and ENG 615.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 512 - The British Novel

Credit Hours: 3
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 512 and ENG 618.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 513 - Shakespeare

Credit Hours: 3
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 513 and ENG 613.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 514 - British Drama

Credit Hours: 3
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 514 and ENG 614.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Demand

ENG 517 - The American Novel

Credit Hours: 3
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 517 and ENG 617.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

ENG 519 - American Drama

Credit Hours: 3
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 519 and ENG 619.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Demand

ENG 520 - Composition and Rhetoric in High School and Junior College

Credit Hours: 3
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 520 and ENG 629.

Prerequisite: ENG 235; and admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 521 - Writing for Teachers

Credit Hours: 3
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.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 523 - Writing Center Theory and Practice

Credit Hours: 3
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 523 and ENG 623.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

ENG 525 - History of Rhetoric

Credit Hours: 3
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 525 and ENG 627.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

ENG 526 - Rhetorics for the 21st Century

Credit Hours: 3
Study of rhetorical theory and argument in civic, private, professional and digital spaces. Application may include, but

is not limited to, literary criticism, literacy, technical writing and composition. May be taught concurrently with ENG 628. Cannot receive credit for both ENG 526 and ENG 628.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

ENG 532 - Writing in the Legal Profession

Credit Hours: 3
Study and application of specific writing skills and composing strategies to the field of law and legal writing. Practice in specific genres of legal writing such as case briefs, warranties, and contracts. Emphasis on learning to read case law and developing strategies and techniques for written legal documents. May be taught concurrently with ENG 632. Cannot receive credit for both ENG 532 and ENG 632.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall Odd

ENG 533 - Studies in Children's Literature

Credit Hours: 3
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 533 and ENG 633.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Demand

ENG 534 - Historical Perspectives in Children's Literature

Credit Hours: 3
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 534 and ENG 634.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Demand

ENG 536 - Young Adult Novel

Credit Hours: 3
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 536 and ENG 636.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

ENG 537 - Writing for Intercultural Audiences

Credit Hours: 3
Develop cultural competence in the area of international and intercultural communication and writing. Students will learn about communicating across cultures and writing for intercultural and international audiences. May be taught concurrently with ENG 637. Cannot receive credit for both ENG 537 and ENG 637.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring Odd

ENG 539 - Advanced Writing for Children and Young Adults

Credit Hours: 3
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 539 and ENG 639.

Prerequisite: ENG 339.
Lecture contact hours: 3

Typically offered: Spring

ENG 540 - Small Press Production

Credit Hours: 3
Introduction to the world of small press publishing. A Moon City Press publication project will be executed from inception to official publication, covering all the steps leading to completion. Steps include manuscript review, contracting, editing, design, marketing, and distribution. Student participants will be designated as official editors of the project. Variable content course. May be repeated to a maximum of six hours with permission and when projects change. May be taught concurrently with ENG 640. Cannot receive credit for both ENG 540 and ENG 640.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

ENG 541 - Renaissance Literature

Credit Hours: 3
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 541 and ENG 641.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

ENG 543 - Restoration and 18th Century Literature

Credit Hours: 3
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 543 and ENG 643.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

ENG 544 - British Romantic Literature

Credit Hours: 3
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 544 and ENG 642.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 546 - Victorian Literature

Credit Hours: 3
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 546 and ENG 646.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 547 - Modern British Literature

Credit Hours: 3
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 547 and ENG 645.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

ENG 548 - Major British Authors

Credit Hours: 3
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 or REL 341 when topic is identical. Cannot receive credit for both ENG 649 and ENG 548 or REL 341 when topic is identical.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 549 - Ethics in Professional Writing

Credit Hours: 3
Examines the ethical considerations and challenges associated with the practice of technical/professional communication. May be taught concurrently as ENG 647. Cannot receive credit for both ENG 549 and ENG 647.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring Even

ENG 550 - Writing About Food

Credit Hours: 3
Study of the broad ways writers use their document design and communication skills to participate in food-related industries. Readings from current publications and practice in food writing through blog posts, creative nonfiction, instructions, restaurant and product reviews, recipe collections, posters, and research-based writing. This course provides students in technical writing, as well as those preparing for careers in food-based industries, with enough technical and rhetorical understanding to produce effective documents and writings in the broad range of styles and formats that include writing about food. May be taught concurrently with ENG 650. Cannot receive credit for both ENG 550 and ENG 650.

Lecture contact hours: 3

Typically offered: Fall Even

ENG 551 - Literary Publication

Credit Hours: 3
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.

Prerequisite: ENG 303 or ENG 315 or ENG 325.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 553 - American Romantic Literature

Credit Hours: 3
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 553 and ENG 652.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

ENG 554 - Topics in Ethnic American Literature

Credit Hours: 3
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 to a maximum of six 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.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring Odd

ENG 557 - American Realism

Credit Hours: 3
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 557 and ENG 656.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

ENG 558 - Major American Authors

Credit Hours: 3
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 558 and ENG 661.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 559 - Modern American Literature

Credit Hours: 3
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 559 and ENG 659.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 562 - Contemporary American Poetry/Fiction

Credit Hours: 3
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 to a maximum of six 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.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 563 - Literature and Medicine

Credit Hours: 3
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.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

ENG 564 - Place-Conscious Reading and Writing

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall Even

ENG 565 - Literature and Language Workshop

Credit Hours: 1-3
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 to a maximum of six hours. May be taught concurrently with ENG 665. Cannot receive credit for both ENG 565 and ENG 665.

Prerequisite: 60 hours.
Typically offered: Fall, Spring, Summer

ENG 567 - Data Displays in Technical Documents

Credit Hours: 3
Students will analyze, synthesize, and present data visually as well as verbally. Students will recognize which forms of data graphics are most appropriate in a given context; identify and organize the data readers need; work with visual literacy and design principles to evaluate and develop data displays for accuracy and ethical presentation. May be taught concurrently with ENG 667. Cannot receive credit for both ENG 567 and ENG 667.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring Odd

ENG 568 - Major World Authors

Credit Hours: 3
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 568 and ENG 668.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 569 - Nonfiction Publishing

Credit Hours: 3
Overview of the history and evolution of the publishing industry. Exploration of the processes involved in publishing a nonfiction book title. May be taught concurrently as ENG 669. Cannot receive credit for both ENG 569 and ENG 669.

Lecture contact hours: 3

Typically offered: Spring Odd

ENG 570 - Writing in the Health Professions

Credit Hours: 3
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 570 and ENG 678.

Prerequisite: 60 hours; and ENG 321 or ENG 310 or equivalent.
Lecture contact hours: 3

Typically offered: Spring

ENG 572 - Writing Grant Proposals

Credit Hours: 3
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.

Prerequisite: Writing II and 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 573 - Writing for the Web

Credit Hours: 3
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.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 574 - Technical Writing Internship

Credit Hours: 1-3
Projects in technical writing, combining academic training and supervised work experience in business, industry, government, academia, or nonprofit organizations. After one three-hour internship is completed (135 hours in one organization), course may be repeated to a maximum of six hours. Students are required to work a minimum of 45 hours for each credit hour. May be taught concurrently with ENG 694. Cannot receive credit for both ENG 574 and ENG 694. Public Affairs Capstone Experience course.

Prerequisite: ENG 421 and permission of instructor.
Typically offered: Fall, Spring

ENG 575 - Topics in Professional Writing

Credit Hours: 3
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. Variable content course. May be repeated to a maximum of six hours when the topic varies. May be taught concurrently with ENG 684. Cannot receive credit for both ENG 575 and ENG 684 unless topic is different.

Prerequisite: ENG 421 and 60 hours.
Lecture contact hours: 3

Typically offered: Demand

ENG 576 - Reading Instruction, Assessment, and Remediation in Secondary ELA Classrooms

Credit Hours: 3
This course provides students with research-based frameworks for effective literacy instruction in secondary ELA contexts. Students will learn multiple techniques for identifying and analyzing reading difficulties in adolescent readers and will learn instructional strategies and techniques for supporting continued reading growth in adolescent readers, including individual remediation practices. Students will apply their learning in school based practical experiences with adolescent readers. May be taught concurrently with ENG 666. Cannot receive credit for both ENG 576 and ENG 666.

Prerequisite: admission to Teacher Education.
Lecture contact hours: 3

Typically offered: Spring

ENG 577 - Teaching Adolescent Readers in ELA Classrooms

Credit Hours: 3
This course focuses on the practical aspects of teaching reading and literature in ELA classrooms. Students will consider how literacy is defined in ELA contexts and how ELA classroom instruction can support literacy growth in other content areas as well. Students will learn and implement a variety of reading strategies that support adolescent readers in reading literature (poems, short stories, novels), non-fiction texts, and digital texts. Students will plan and implement whole class, small group, and individualized reading instruction in an ELA classroom setting. It is recommended that students take this course the same semester as ENG 405.

Prerequisite: ENG 576 ; and admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Fall

ENG 580 - Gender Issues in Language and Literature

Credit Hours: 3
Consideration of gender issues from the standpoint of literary history, genre, composition/rhetoric, linguistics, or feminist theory. May be repeated to a maximum of six hours if topic is different. May be taught concurrently with ENG 682. Cannot receive credit for both ENG 580 and ENG 682.

Prerequisite: ENG 110 and 60 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 583 - Themes in Folkloristics

Credit Hours: 3
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 maximum of nine hours if topic is different. May be taught concurrently with ENG 683. Cannot receive credit for both ENG 583 and ENG 683.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

ENG 590 - Grammatical Analysis

Credit Hours: 3
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 590 and ENG 690.

Prerequisite: 60 hours; and ENG 296 or ENG 390 or ENG 591.
Lecture contact hours: 3

Typically offered: Spring

ENG 591 - Linguistic Theory

Credit Hours: 3
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 591 and ENG 691.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 592 - Sociolinguistics for Language Teaching

Credit Hours: 3
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 592 and ENG 688.

Prerequisite: 60 hours; and ENG 296 or ENG 390 or ENG 591.
Lecture contact hours: 3

Typically offered: Fall

ENG 593 - Studies in Linguistics

Credit Hours: 3
Topics in linguistics including history of linguistics, language acquisition, or transformational grammars. May be repeated to a maximum of nine hours if topic is different. May be taught concurrently with ENG 689. Cannot receive credit for both ENG 593 and ENG 689.

Prerequisite: 60 hours; and ENG 296 or ENG 390 or ENG 591.

Lecture contact hours: 3

Typically offered: Fall

ENG 595 - Principles of Second Language Acquisition

Credit Hours: 3
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 595 and ENG 695.

Prerequisite: 60 hours and ENG 296 or ENG 390 or ENG 591.
Lecture contact hours: 3

Typically offered: Fall

ENG 596 - Materials and Assessment in Teaching English to Speakers of Other Languages TESOL

Credit Hours: 3
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 596 and ENG 696.

Prerequisite: 60 hours and ENG 595.
Lecture contact hours: 3

Typically offered: Spring

ENG 597 - Practicum in Teaching English to Speakers of Other Languages TESOL

Credit Hours: 1-3
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 597 and ENG 697.

Prerequisite: ENG 505 and ENG 596.
Typically offered: Fall, Spring

ENG 598 - Early English Language and Literature

Credit Hours: 3
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 a maximum of six 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 598 and ENG 698.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall

ENG 599 - Advanced Seminar in Literature

Credit Hours: 3
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.

Prerequisite: ENG 235, and Writing II General Education Course, and 80 hours.
Lecture contact hours: 3

Typically offered: Fall

Entrepreneurship

ENT 201 - Launching Your New Business Online

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

ENT 202 - Managing Your New Business Online

Credit Hours: 3
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.

Prerequisite: ENT 201.
Lecture contact hours: 3

Typically offered: Fall

ENT 203 - Leading Your New Business Online

Credit Hours: 3
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.

Prerequisite: ENT 202.
Lecture contact hours: 3

Typically offered: Spring

ENT 301 - Principles of Entrepreneurship

Credit Hours: 3
This is an introductory course designed to help students understand the critical role entrepreneurs and entrepreneurship play in the global economy. This course will provide students with an overview of the fundamental principles and processes of entrepreneurship. Students learn the history of entrepreneurship and are exposed to entrepreneurship in its variety of forms from the firm- to the individual-level. Throughout the course, students are encouraged to apply theory and principles to real world situations to gain a better understanding of how the two interrelate.

Prerequisite: undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

ENT 302 - Creativity, Innovation, and Ideation

Credit Hours: 3
This course teaches students the psychology of how to be more creative and then how to turn that creativity into innovative business or non-profit ideas. Using a lean start-up approach, students create several iterations of a business model canvas to validate their ideas in the marketplace. Through this iterative process, they learn to fast prototype, when to "pivot", and how to adapt to market feedback to refine their ideas. By the end of the course, students have mastered this business model-validation process. Ideally, students have a proven business model that is beginning to produce revenue.

Prerequisite: undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

ENT 392 - Education Abroad in Entrepreneurship

Credit Hours: 1-6
This course is intended to offer students experiential learning opportunities in the entrepreneurship domain and requires an international and/or domestic travel experience. Course requirements include research and discussion about companies and/or cultural institutions in locations to be visited, significant travel to international and/or domestic destination(s) to explore the culture and visit companies, institutions, and cultural icons, and a final project that requires reflection on the student's experience. Course may be offered in conjunction with a domestic or international Education Abroad program.

Typically offered: Demand

ENT 494 - Internship in Entrepreneurship

Credit Hours: 1-3
Opportunity to obtain simultaneously the practical as well as the theoretical knowledge through internship with cooperating businesses. 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.

Prerequisite: permission of department head; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

ENT 543 - New Venture Management

Credit Hours: 3
This course provides insight into the creation and development of an entrepreneurial venture. Students will gain an understanding of where operating 'levers' for the business are located, the going-to-market plan, and the impact of business dynamics/the marketplace on the entity's economics and organization. The course will explore evolving responses to change while maintaining operating control. The analysis and exercises will form the basis for a cogent business plan. Emphasis is placed on student preparation and presentation of a complete business plan. May be taught concurrently with ENT 643. Cannot receive credit for both ENT 543 and ENT 643.

Prerequisite: ENT 302; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

ENT 561 - Small Business Consulting

Credit Hours: 3
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 may be developed in-class and/or referred through the Small Business Development Center. May be taught concurrently with ENT 671. Cannot receive credit for both ENT 561 and ENT 671.

Prerequisite: ENT 301; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

ENT 584 - Feasibility Study

Credit Hours: 3
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 may be developed in-class and/or referred through the Small Business Development Center. Emphasis is placed on team preparation and presentation of a feasibility study. May be taught concurrently with ENT 684. Cannot receive credit for both ENT 584 and ENT 684.

Prerequisite: ENT 301 and FIN 350 and MKT 350; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

Finance

FIN 150 - Personal Finance

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

FIN 266 - Principles of Real Estate

Credit Hours: 3
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.

Prerequisite: 15 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

FIN 310 - Fundraising Principles and Practices for Nonprofit Agencies

Credit Hours: 3
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.

Prerequisite: undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

FIN 350 - Entrepreneurial Finance

Credit Hours: 3
This course introduces students to the nuances of financing the small business. Topics include basic forecasting, leverage, break-even analysis, managing working capital, and preparation of financial statements for a business plan.

Prerequisite: ACC 211 and QBA 237; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

FIN 367 - Principles of Real Estate Appraisal

Credit Hours: 3
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.

Prerequisite: FIN 266; undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

FIN 368 - Real Estate Law

Credit Hours: 3
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.

Prerequisite: FIN 266; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

FIN 369 - Real Estate Development

Credit Hours: 3
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.

Prerequisite: FIN 266; undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

FIN 380 - Financial Management

Credit Hours: 3
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.

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.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

FIN 381 - Financial Planning

Credit Hours: 3
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.

Prerequisite: 54 hours; and C grade or better in MTH 134 or higher; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

FIN 384 - Financial Markets and Investments

Credit Hours: 3
An overview of the organization and operation of major financial markets and intermediaries. Introduction to basic types of investments and tools used in the investment planning and decision-making process. Concurrent enrollment in FIN 380 is encouraged.

Prerequisite: ACC 201 and ACC 211 and ECO 155 and ECO 165 and QBA 237 ; undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

FIN 390 - Intermediate Financial Management

Credit Hours: 3
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.

Prerequisite: B- grade or better in FIN 380; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

FIN 392 - International Education Abroad in Finance

Credit Hours: 3
Offered in conjunction with an international Education Abroad 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.

Prerequisite: B- or better in FIN 380; acceptance into the related Education Abroad program; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

FIN 395 - Domestic Field Experience in Finance

Credit Hours: 3
Offered in conjunction with a domestic field experience through the Office of Education Abroad, 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.

Prerequisite: B- or better in FIN 380; acceptance into the related field experience program; undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

FIN 480 - Financial Decision Making

Credit Hours: 3
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 or business simulation.

Prerequisite: FIN 390; undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

FIN 494 - Internship in Finance

Credit Hours: 1-3
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 only. May be repeated to a maximum of three hours.

Prerequisite: B- or Better in FIN 380; permission of department head; and undergraduate business majors must be admitted to degree program.
Typically offered: Fall, Spring, Summer

FIN 496 - Readings in Finance

Credit Hours: 1-2
Planned readings designed to intensify and supplement the area of finance.

Prerequisite: permission of department head; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

FIN 538 - Introduction to Estate Planning

Credit Hours: 3
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.

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.
Lecture contact hours: 3

Typically offered: Fall, Spring

FIN 570 - Foundations of Fintech

Credit Hours: 3
This course provides an overview of the emerging field of Fintech. As a relatively new field, the world of Fintech is constantly (and rapidly) evolving. The course will cover the history of Fintech, and focus primarily on how Fintech has disrupted two areas of traditional finance: 1) financial intermediation, and 2) investment management. May be taught concurrently with FIN 670. Cannot receive credit for both FIN 570 and FIN 670.

Prerequisite: B- grade or better in FIN 380; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

FIN 581 - Professional Financial Planning

Credit Hours: 3
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.

Prerequisite: ACC 321 and FIN 381 and FIN 585 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.
Lecture contact hours: 3

Typically offered: Spring

FIN 582 - International Financial Management

Credit Hours: 3
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.

Prerequisite: B- grade or better in FIN 380; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

FIN 585 - Portfolio Management and Alternative Assets

Credit Hours: 3
An overview of the portfolio management process for traditional assets such as equity and fixed income securities. Exploration of alternative assets categories, and how such assets can improve the portfolio management outcomes for investors. May be taught concurrently with FIN 685. Cannot receive credit for both FIN 585 and FIN 685.

Prerequisite: B- grade or better in FIN 380 ; and FIN 384 ; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

FIN 586 - International Financial Statement Analysis

Credit Hours: 3
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.

Prerequisite: B- grade or better in FIN 380; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

FIN 587 - Security Valuation

Credit Hours: 3
Valuation of equity, fixed income, and derivative securities. May be taught concurrently with FIN 687. Cannot receive credit for both FIN 587 and FIN 687.

Prerequisite: B- grade or better in FIN 380 ; and FIN 384 ; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

FIN 589 - Management of Financial Institutions

Credit Hours: 3
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.

Prerequisite: B- grade or better in FIN 380; and FIN 384; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

FIN 596 - Research Issues and Problems: Finance

Credit Hours: 1-3
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 six hours of FIN 596 and FIN 697 combined.

Prerequisite: 60 hours; and permission of department head; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

FIN 598 - Financial Research and Portfolio Management

Credit Hours: 3
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.

Prerequisite: permission of instructor; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

FIN 599 - Directed Study for CFA Level I Exam

Credit Hours: 3
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.

Prerequisite: permission of instructor; and undergraduate business majors must be admitted to degree program.
Typically offered: Spring

French

FRN 101 - Elementary French I

Credit Hours: 3
CORE 42: MOTR number LANG 101 - 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.

Lecture contact hours: 3

Typically offered: Fall

Access the CORE 42 Portal

FRN 102 - Elementary French II

Credit Hours: 3
CORE 42: MOTR number LANG 102 - French II.

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.

Prerequisite: C or better in FRN 101.
Lecture contact hours: 3

Typically offered: Spring

Access the CORE 42 Portal

FRN 201 - Intermediate French I

Credit Hours: 3
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.

Prerequisite: C or better in FRN 102.
Lecture contact hours: 3

Typically offered: Fall

FRN 202 - Intermediate French II

Credit Hours: 3
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.

Prerequisite: C or better in FRN 201.
Lecture contact hours: 3

Typically offered: Spring

FRN 297 - Special Topics in French

Credit Hours: 1-6
Topics of selected interest in French studies, including travel-courses to French-speaking countries. The specific subject matter and/or inter-national 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.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

FRN 300 - Service-Learning in French

Credit Hours: 1
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.

Prerequisite: 30 hours; and concurrent registration in a French course at the 202 level or above.
Typically offered: Fall, Spring

FRN 311 - French Conversation

Credit Hours: 3
Oral practice in short speeches, group discussion and free conversation. Variable content course. May be repeated, as content changes, to a maximum of six hours.

Prerequisite: FRN 201.
Lecture contact hours: 3

Typically offered: Spring

FRN 312 - French Grammar and Composition

Credit Hours: 3
Review of French grammar with writing practice.

Prerequisite: FRN 202.
Lecture contact hours: 3

Typically offered: Fall

FRN 316 - French for the Professions

Credit Hours: 3
This course provides students with the fundamental French language skills needed in the professional field to communicate with French-speaking individuals. The course emphasizes specialized vocabulary building, role-play, and an understanding of francophone cultures. The linguistic and cultural insights learned in this course will prepare students to function in a complex multilingual and multicultural society. Topics may include French for health, social services, law enforcement, diplomacy, tourism, education, business, and communications.

Prerequisite: FRN 312.
Lecture contact hours: 3

Typically offered: Spring Even

FRN 324 - Topics in Francophone Linguistics

Credit Hours: 3
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. Variable content course. May be repeated once with different content.

Prerequisite: FRN 312.
Lecture contact hours: 3

Typically offered: Demand

FRN 326 - Culture Populaire

Credit Hours: 3
History and culture of France and francophone countries; includes geography, philosophy and arts. Variable content course. May be repeated, as content changes, to a maximum of six hours.

Prerequisite: FRN 202.
Lecture contact hours: 3

Typically offered: Spring

FRN 335 - Les Beaux-Arts du monde francophone

Credit Hours: 3
Through the study of artistic works, including fine arts, cinema, literature, and architecture, students will become more familiar with the origins, lives and influences of the most prominent Francophone figures and icons. Students will learn how to read, analyze, interpret, and discuss a wide selection of works and concepts in French from the Francophone world, connecting influences and recognizing local diversity as expressed in the artistic works. Variable content course. May be repeated to a maximum of six hours.

Prerequisite: FRN 202 or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

FRN 381 - French Literature from the Middle Ages through the Enlightenment

Credit Hours: 3
A survey of authors, movements, ideas, and styles in writings from the Middle Ages to the end of the 18th century from France. Students will study recurring themes, important influences and revolutions present in a variety of genres and texts written in French (poetry, correspondence, historical documents, ballads, essays). Variable content course. May be repeated to maximum of six hours.

Prerequisite: FRN 312 or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

FRN 382 - Literature of the French-speaking World from the 19th Century to the Present

Credit Hours: 3
A survey of authors, movements, ideas, and styles in writings from the 19th century to the present from France and the Francophone world. Students will study recurring themes, important influences and revolutions present in a variety of

genres and texts written in French (poetry, short stories, plays, correspondence, historical documents, essays). Variable content course. May be repeated to a maximum of six hours.

Prerequisite: FRN 312 or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

FRN 410 - Translation

Credit Hours: 3
Activities and exercises on oral and written translation focusing on career fields. May be repeated, as content changes, to a maximum of six hours.

Prerequisite: FRN 312.
Lecture contact hours: 3

Typically offered: Demand

FRN 412 - Le Cinema francophone

Credit Hours: 3
A study of culture, language, and literature through francophone film. Variable content course. May be repeated to a maximum of six hours.

Prerequisite: FRN 312 or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

FRN 414 - Le Francais Vivant

Credit Hours: 3
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 six hours.

Prerequisite: FRN 202.
Lecture contact hours: 3

Typically offered: Fall

FRN 415 - Vivre et Travailler en francais

Credit Hours: 3
Social and business interactions in the francophone world. Variable content course. May be repeated to a maximum of six hours as content changes.

Prerequisite: FRN 312 or permission of instructor.
Lecture contact hours: 3

Typically offered: Spring

FRN 495 - Advanced Undergraduate Seminar in French

Credit Hours: 3
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 to a maximum of six hours as content changes.

Prerequisite: FRN 312 and FRN 326 or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

FRN 498 - Seminar Course in French

Credit Hours: 1-3
Supervised independent study in literature, linguistics or other restricted topics. May be repeated to a maximum of six hours.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

FRN 510 - Advanced Translation

Credit Hours: 3
This course builds on the translation skills acquired in prior coursework, centering on comparative study of French and English in the domains of syntax, stylistics and pragmatics, and their practical application in translation. May be taught concurrently with FRN 610. Cannot receive credit for both FRN 510 and FRN 610.

Prerequisite: FRN 312 and FRN 410, or permission of instructor.
Lecture contact hours: 3

Typically offered: Fall Odd

FRN 524 - Advanced Topics in Francophone Linguistics

Credit Hours: 3
This course 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. May be taught concurrently with FRN 624. Cannot receive credit for both FRN 524 and FRN 624.

Prerequisite: FRN 324.
Lecture contact hours: 3

Typically offered: Spring Odd

FRN 590 - Advanced French Grammar

Credit Hours: 3
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.

Prerequisite: FRN 312 or permission of instructor.
Lecture contact hours: 3

Typically offered: Fall Odd

Global Studies

GBL 250 - Introduction to Global Studies and Globalization

Credit Hours: 3
General Education Course: Focus on Public Issues

This course provides students with the basic elements of global studies and introduces them to a series of public issues related to globalization in order to make them educated persons who have global awareness. In the course, students will develop competencies through the multi-disciplinary study of transnational processes and issues, related to topics such as geography, culture, climate change, social welfare, international politics, trade, and economics. This course encourages students to engage in creative and critical thinking, to synthesize and integrate data, and contemplate possible solutions to many societal aspects linked to globalization.

Prerequisite: 12 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

GBL 397 - Special Topics in Global Studies

Credit Hours: 3
This is a variable topics course related to global studies. The course may cover topics such as material culture and global "ownership", warfare and human rights, or particular current events.

Recommended Prerequisite: GBL 250 .

Lecture contact hours: 3

Typically offered: Demand

GBL 499 - Internship

Credit Hours: 3
Students meet the capstone requirement in Global Studies by participating in an advisor-approved Education Abroad experience, supervised internship, or seminar, and completing a project or sequence of assignments.

Prerequisite: permission.
Typically offered: Demand

Geospatial Sciences

GEO 200 - Exploring Our Digital Earth

Credit Hours: 3
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.

Prerequisite: 12 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

GEO 360 - Interpretation of Aerial Photography

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 3

Typically offered: Fall

GEO 363 - Introduction to Geographic Information Science

Credit Hours: 4
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.

Lecture contact hours: 3 **Lab contact hours:** 4

Typically offered: Fall, Spring

GEO 551 - Remote Sensing

Credit Hours: 3
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 551 and GEO 651.

Prerequisite: GEO 360.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

GEO 561 - Applied Geographic Information Science

Credit Hours: 3
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 561 and GEO 661.

Prerequisite: GEO 363 or permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

GEO 562 - Internet Geospatial Science

Credit Hours: 3
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 562 and GEO 662.

Prerequisite: GEO 561.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

GEO 566 - Advanced Geographic Information Science

Credit Hours: 3
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 566 and GEO 666.

Prerequisite: GEO 561.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

GEO 568 - Geovisualization

Credit Hours: 3
Visualization of geographic data and analysis is becoming increasingly important for communicating and understanding the environment and society. This course will focus on using novel geovisualization techniques and tools to bring visualization of geographic data and analysis to life. May be taught concurrently with GEO 668. Cannot receive credit for both GEO 568 and GEO 668.

Prerequisite: GEO 363.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

GEO 569 - Landscape Analysis

Credit Hours: 3
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.

Prerequisite: GEO 200 or GEO 363 or permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall Even

GEO 572 - Introduction to Photogrammetry and LiDAR Technology

Credit Hours: 3
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.

Recommended Prerequisite: GEO 360.

Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Spring

GEO 573 - Geographic Information Science Programming

Credit Hours: 3
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 573 and GEO 673.

Prerequisite: GEO 561; and either ITC 202 or CSC 121 or CSC 125.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

GEO 575 - GPS Surveying and Mapping

Credit Hours: 3
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 575 and GEO 675.

Prerequisite: 30 hours.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Spring

GEO 578 - Remote Sensing Digital Image Processing

Credit Hours: 3
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 578 and GEO 678.

Prerequisite: GEO 551 or GEO 566 or GEO 572.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

GEO 597 - Topics in Geospatial Science

Credit Hours: 1-4
Detailed treatment of a selected topic in Geospatial Science that may vary from offering to offering. Variable content course. May be repeated to a maximum of seven hours. May be taught concurrently with GEO 697. Cannot receive credit for the same topic in both GEO 597 and GEO 697.

Prerequisite: permission.
Typically offered: Demand

General Education Program

GEP 101 - First-Year Foundations

Credit Hours: 2
General Education Course: First-year Seminar

An integrative and interdisciplinary seminar designed to introduce students to the public affairs mission, improve students' academic skills, develop a foundational knowledge of university resources, and facilitate students' successful transition to Missouri State University's community of scholars. Required of all students with fewer than 24 credit hours earned post high school. Must be taken during students' first semester. Honors students must substitute UHC 110 for this course.

Prerequisite: enrollment limited to degree-seeking students only.
Lecture contact hours: 2

Typically offered: Fall, Spring, Summer

Gerontology

GER 180 - Successful Aging

Credit Hours: 3
General Education Course: Focus on Cultural Competence

Successful aging depends not only on an individual's personal lifestyle choices, but also on their community's attitudes toward aging and on society's resources for the aged. This course aims to educate learners about (1) strategies for personal health, wellbeing, and longevity, (2) the impacts of development life stages and socio-historical socialization on generational cohorts' worldviews, (3) the importance of considering multiple perspectives and striving for cultural competence of all ages, (4) how to become anti-ageist, and (5) ways to advocate for older adults and promote structural improvements that will increase the quality of late life for all citizens.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

GER 300 - Service-Learning Curricular Component

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in a gerontology course designated as service-learning offering.
Typically offered: Fall, Spring

GER 301 - The Elderly and the Media: Confronting Popular Stereotypes

Credit Hours: 1
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.

Prerequisite: 30 hours.
Lecture contact hours: 1

Typically offered: Demand

GER 309 - Identity and Aging in Literature and Film

Credit Hours: 3
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.

Prerequisite: PSY 121 or SOC 150; and ENG 110.
Lecture contact hours: 3

Typically offered: Spring

GER 351 - Psychology of Adulthood and Aging

Credit Hours: 3
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.

Prerequisite: PSY 121 or GER 375.
Lecture contact hours: 3

Typically offered: Fall, Spring

GER 354 - Gender and Sexuality in Later Life

Credit Hours: 3
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.

Prerequisite: PSY 121 or SOC 150; and GST 170 or 45 hours.
Lecture contact hours: 3

Typically offered: Spring

GER 363 - Death and Human Behavior

Credit Hours: 3
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.

Prerequisite: PSY 121 or SOC 150.
Lecture contact hours: 3

Typically offered: Fall, Spring

GER 366 - Families in Later Life

Credit Hours: 3
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.

Prerequisite: PSY 121 or SOC 150; and CFD 155 or CFD 163 or 30 hours.
Lecture contact hours: 3

Typically offered: Fall

GER 370 - Mental Health and Aging

Credit Hours: 3
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.

Prerequisite: PSY 121 or SOC 150.
Lecture contact hours: 3

Typically offered: Spring

GER 375 - Social Forces and Aging

Credit Hours: 3
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.

Prerequisite: PSY 121 or SOC 150; and 30 hours.
Lecture contact hours: 3

Typically offered: Fall

GER 396 - Directed Readings in Gerontology

Credit Hours: 1-3
Readings designed to supplement material introduced in previous Gerontology courses. Includes a wide selection of literature in the field. May be repeated to a maximum of six hours.

Prerequisite: 6 hours of gerontology and permission.
Typically offered: Demand

GER 397 - Special Topics in Gerontology

Credit Hours: 1-3
In-depth inquiry into selected interdisciplinary topics of contemporary interest in gerontology. Variable content course. May be repeated to a maximum of six hours when topic changes.

Prerequisite: 6 hours of designated courses in the gerontology major.
Typically offered: Demand

GER 470 - Community Resources for Older Adults

Credit Hours: 3
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.

Prerequisite: GER 375.
Lecture contact hours: 3

Typically offered: Fall

GER 480 - Policies and Older Adults

Credit Hours: 3
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.

Prerequisite: GER 375.
Lecture contact hours: 3

Typically offered: Spring

GER 492 - Directed Research

Credit Hours: 1-4
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 to a maximum of six hours.

Prerequisite: GER 375 and permission of sponsoring faculty member and department head.
Typically offered: Fall, Spring

GER 597 - Special Topics in Gerontology

Credit Hours: 1-3
In-depth inquiry into selected interdisciplinary topics of contemporary interest in gerontology. Variable content course. May be repeated to a maximum of six hours when topic changes. May be taught concurrently with GER 697. Cannot receive credit for both GER 597 and GER 697.

Prerequisite: 90 hours; and 12 hours of gerontology.
Typically offered: Demand

GER 598 - Supervised Practicum in Gerontology

Credit Hours: 6-9
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 maximum of 12 hours. Public Affairs Capstone Experience course.

Prerequisite: concurrent enrollment in GER 599; completion of gerontology core courses with C grade or better in each; and permission of the program coordinator.
Corequisite: GER 599
Typically offered: Fall, Spring

GER 599 - Seminar in Gerontology

Credit Hours: 3
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.

Prerequisite: concurrent enrollment in GER 598; completion of the gerontology core courses with C grade or better in each; and permission of the program coordinator.
Corequisite: GER 598
Lecture contact hours: 3

Typically offered: Fall, Spring

Geology

GLG 110 - Principles of Geology

Credit Hours: 4
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number GEOL 100L - Geology with Lab.

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.

Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

Access the CORE 42 Portal

GLG 113 - Earth: The Instruction Manual

Credit Hours: 3
General Education Course: Focus on Physical Sciences

The story of Earth's history and how our planet functions is recorded in the planet's rocks and sediments. This course will introduce students to the geologic principles that have been used by geologists to decipher that rock record and unlock our understanding of the dynamic Earth. The interior structure and composition of the Earth are explored and students learn how those characteristics drive plate tectonic process. In turn, plate tectonic processes cause earthquakes, volcanoes, rock formation, and mountain building and allow geologists to predict where geologic hazards and mineral resources will occur. An emphasis will also be placed on the surface processes that shape the human and natural

environment, including stream, groundwater, glaciers, wind, marine, and shoreline processes. Students wishing to fulfill the General Education laboratory requirement should also take GLG 116. Cannot be taken Pass/Not Pass.

Lecture contact hours: 3

Typically offered: Fall, Spring

GLG 114 - Earth: The Survival Guide

Credit Hours: 3
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number GEOL 100 - Geology.

Human societies depend on sustainable interactions with our physical environment. For humans to thrive and survive we must understand how the Earth works so that we can sustainably extract needed natural resources and build resiliency against the various geologic hazards that threaten our communities. This course emphasizes the aspects of geology that interface directly with humanity, including concepts such as plate tectonics, earthquakes, volcanoes, mineral resources, water resources, shoreline processes, and climate change. Human dependence on geologic resources is examined and related to issues confronting society. Optional field trips. Students wishing to fulfill the General Education laboratory requirement should also take GLG 116.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

GLG 115 - Life of the Past

Credit Hours: 3
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. Students wishing to fulfill the General Education laboratory requirement should also take GLG 116.

Lecture contact hours: 3

Typically offered: Fall, Spring

GLG 116 - Earth: The Hands-on Adventure

Credit Hours: 1
General Education Course: Focus on Physical Sciences

Hands-on experimental exploration of principles and techniques that relate to material presented in GLG 113, GLG 114, and GLG 115, including rock and mineral identification and classification, map interpretation and analysis, and surficial processes. Students will use geologic methodologies, including virtual reality technologies, to analyze and solve geologic questions. Optional field trips.

Prerequisite: GLG 113 or GLG 114 or GLG 115, or concurrent enrollment.
Lab contact hours: 2

Typically offered: Fall, Spring

GLG 197 - Popular Topics in Geology

Credit Hours: 1-3
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 maximum of 10 credits. Cannot be counted toward any major or minor in Geology.

Typically offered: Demand

GLG 314 - Historical Geology

Credit Hours: 3
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.

Prerequisite: GLG 113 or GLG 114 or GLG 115; and GLG 116.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

GLG 318 - Physical Oceanography

Credit Hours: 3
A comprehensive study of the physical ocean; including the origin and nature of tides, waves, and ocean currents; marine geology, resources and pollution.

Prerequisite: GLG 113 or GLG 114 or GLG 115; and GLG 116.
Lecture contact hours: 3

Typically offered: Spring

GLG 322 - Geology of Gem Deposits

Credit Hours: 3
A comprehensive study of the origin and distribution of gem deposits; including plate tectonics, the mineralogy and chemistry of gem minerals, the formation and exploration of gem deposits. Additionally, basic economic geology conceptions will be discussed.

Prerequisite: GLG 110 ; and GLG 115 or GLG 114 .
Lecture contact hours: 3

Typically offered: Spring Odd

GLG 326 - Marine Science I: Oceanography

Credit Hours: 3
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).

Prerequisite: MTH 136 or higher and CHM 160 and CHM 170 and CHM 171 and BIO 101 and BIO 101.
Lecture contact hours: 3

Typically offered: Summer

GLG 327 - Marine Science I: Oceanography Lab

Credit Hours: 2
Laboratory portion of GLG 326. Field and laboratory activities. (Must be taken at Gulf Coast Research Laboratory, Ocean Springs, Mississippi).

Prerequisite: concurrent enrollment in GLG 326.
Lab contact hours: 4

Typically offered: Summer

GLG 330 - Service-Learning in Geology

Credit Hours: 1
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 School of Earth, Environment and Sustainability and the Office of Citizenship and Service-Learning prior to registration. May be repeated. Graded Pass/Not Pass only.

Prerequisite: 30 hours and permission and concurrent registration in a Geology course designated as a service-learning offering.
Typically offered: Fall, Spring

GLG 332 - Mineralogy

Credit Hours: 3
Origin, classification, description, and identification of ore minerals and rock-forming minerals.

Prerequisite: GLG 113 or GLG 114 or GLG 115; and GLG 116; and CHM 160; and MTH 136 or higher.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

GLG 333 - Igneous and Metamorphic Petrology

Credit Hours: 3
Origin, classification, and identification of common igneous and metamorphic rocks. Field trip required. A C grade or better is required in this course in order to take GLG 413. Cannot be taken Pass/Not Pass.

Prerequisite: GLG 332.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

GLG 334 - Sedimentary Geology

Credit Hours: 3
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.

Prerequisite: GLG 314 and GLG 332.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Spring

GLG 340 - Structural Geology

Credit Hours: 4
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.

Prerequisite: GLG 314 and GLG 333 and GLG 334 or concurrent enrollment; and either MTH 137 (or higher) or PHY 123 (or higher).
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall

GLG 350 - Speleology

Credit Hours: 3
Caves, karst and cavernous terrain, their origin, geologic environment and evolution. Field trips and field research required.

Prerequisite: GLG 113 or GLG 114 or GLG 115.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

GLG 355 - Volcanology

Credit Hours: 3
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.

Prerequisite: GLG 110 or GLG 114 and GLG 116.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring Even

GLG 358 - Writing II: Reporting Geological Information

Credit Hours: 3
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.

Prerequisite: ENG 110 or equivalent, and 30 hours, and C- or better in both GLG 333 and GLG 334.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall

GLG 360 - Directed Field Trips

Credit Hours: 1-3
Geologic field trips to areas of special interest. Variable content course. Because credit hours and destinations vary, the course may be repeated to a maximum of eight hours. However, no more than four hours may count toward any Geology major. Graded Pass/Not Pass only.

Prerequisite: GLG 113 or GLG 114 or GLG 115; and GLG 116; and GLG 314; and permission.
Typically offered: Demand

GLG 397 - Selected Topics in Geology

Credit Hours: 1-3
Course devoted to a single topic which may vary from semester to semester depending upon student and faculty interest. Variable content course. Since credit and topics vary, this course may be repeated, with permission, to a maximum of five hours.

Prerequisite: permission.
Typically offered: Demand

GLG 399 - Internship in Geology

Credit Hours: 1-3
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 three hours.

Prerequisite: permission.
Typically offered: Fall, Spring

GLG 412 - Field Geology of the Midcontinent Region

Credit Hours: 4
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.

Prerequisite: GLG 314.

Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Spring

GLG 413 - Field Geology

Credit Hours: 6
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.

Prerequisite: GLG 314; and C grade or better in GLG 333 and GLG 340.
Typically offered: Summer

GLG 415 - Invertebrate Paleontology

Credit Hours: 4
Morphology and taxonomy of invertebrate fossils. May be taught concurrently with GLG 615. Cannot receive credit for both GLG 415 and GLG 615.

Prerequisite: GLG 314.
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Spring

GLG 498 - Seminar in Geology

Credit Hours: 2
Lectures and discussions of topics in geology. May be repeated to a maximum of four hours.

Prerequisite: permission.
Lecture contact hours: 2

Typically offered: Demand

GLG 499 - Research in Geology

Credit Hours: 1-3
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 maximum of six hours.

Prerequisite: permission.
Typically offered: Fall, Spring

GLG 523 - Coastal Marine Geology

Credit Hours: 2
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 523 and GLG 623.

Prerequisite: 6 hours of geology; and concurrent enrollment in GLG 524.
Corequisite: GLG 524
Lecture contact hours: 2

Typically offered: Summer

GLG 524 - Coastal Marine Geology Lab

Credit Hours: 1
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 524 and GLG 624.

Prerequisite: concurrent enrollment in GLG 523.
Corequisite: GLG 523
Lab contact hours: 2

Typically offered: Summer

GLG 530 - Optical Mineralogy

Credit Hours: 3
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 530 and GLG 630.

Prerequisite: GLG 333.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

GLG 540 - X-Ray Mineralogy

Credit Hours: 3
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 540 and GLG 640.

Prerequisite: GLG 332.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

GLG 547 - Water Resources

Credit Hours: 3
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.

Prerequisite: BIO 122 or GLG 113 or GLG 114 or GLG 115 or GRY 145.

Lecture contact hours: 3

Typically offered: Spring

GLG 570 - Principles of Stratigraphy

Credit Hours: 3
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 570 and GLG 670.

Prerequisite: GLG 314 and GLG 334.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

GLG 572 - Geohydrology

Credit Hours: 3
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. May be taught concurrently with GLG 672. Cannot receive credit for both GLG 572 and GLG 672.

Prerequisite: GLG 314; and either MTH 261 or MTH 287.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

GLG 573 - Engineering Geology

Credit Hours: 3
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.

Prerequisite: GLG 333 and either MTH 261 or MTH 287.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring Even

GLG 574 - Petroleum Geology

Credit Hours: 3
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.

Prerequisite: GLG 314.

Recommended Prerequisite: GLG 333 and GLG 570.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

GLG 580 - Geochemistry

Credit Hours: 3
Topics include the dominant chemical reactions in natural waters, equilibrium conditions between mineral precipitation and dissolution, and characteristics of contaminated groundwater. Field trips required. May be taught concurrently with GLG 680. Cannot receive credit for both GLG 580 and GLG 680.

Prerequisite: GLG 332.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

GLG 581 - Geochemical Techniques

Credit Hours: 3
A theoretical and practical overview of a range of geochemical tools used on geologic materials and practical hands-on experience of the procedures required to produce geochemical data. Students will use computer programming and its application to data analysis using geochemical examples. Field trips required. May be taught concurrently with GLG 681. Cannot receive credit for both GLG 581 and GLG 681.

Prerequisite: GLG 333 .
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

GLG 590 - Applied Geophysics

Credit Hours: 3
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 590 and GLG 690.

Prerequisite: either PHY 124 or PHY 204; and either MTH 280 or MTH 288.
Recommended Prerequisite: GLG 340.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

GLG 591 - Seismic Data Processing

Credit Hours: 3
The basic techniques to process seismic reflection data as used 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.

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.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring Even

GLG 597 - Selected Topics in Geology

Credit Hours: 1-5
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. Since credit and topics vary, the course may be repeated to a maximum of six hours. May be taught concurrently with GLG 697. Cannot receive credit for both GLG 597 and GLG 697.

Prerequisite: permission.
Typically offered: Demand

Greek

GRK 101 - Elementary Ancient Greek I

Credit Hours: 3
CORE 42: MOTR number LANG 105 - Foreign Language I.

Essentials of grammar and vocabulary building through reading and writing.

Lecture contact hours: 3

Typically offered: Demand

Access the CORE 42 Portal

GRK 102 - Elementary Ancient Greek II

Credit Hours: 3
CORE 42: MOTR number LANG 106 - Foreign Language II.

Continuation of GRK 101.

Prerequisite: C or better in GRK 101.
Lecture contact hours: 3

Typically offered: Demand

Access the CORE 42 Portal

GRK 201 - Intermediate Ancient Greek I

Credit Hours: 3
Continuation of GRK 102 with increased emphasis on reading.

Prerequisite: C or better in GRK 102.
Lecture contact hours: 3

Typically offered: Demand

GRK 202 - Intermediate Ancient Greek II

Credit Hours: 3
Introduction to Greek literature; analysis of its subjects, forms, and ideals.

Prerequisite: C or better in GRK 201.
Lecture contact hours: 3

Typically offered: Demand

GRK 297 - Special Topics in Greek

Credit Hours: 1-6
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 to a maximum of six hours as topics change.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

GRK 301 - Studies in Greek Prose

Credit Hours: 3
An introduction to ancient Greek prose: study of the New Testament and/or such writers as Xenophon, Herodotus, Plato, and Lysias. Variable content course. May be repeated once with changed content.

Prerequisite: C or better in GRK 201.
Lecture contact hours: 3

Typically offered: Demand

GRK 302 - Studies in Greek Poetry

Credit Hours: 3
An introduction to ancient Greek poetry: study of works by such writers as Homer, Sophocles, and Euripides. Variable content course. May be repeated once with changed content.

Prerequisite: C or better in GRK 201.
Lecture contact hours: 3

Typically offered: Demand

GRK 498 - Seminar Course in Ancient Greek

Credit Hours: 1-3
Supervised independent study in Greek literature and translation. May be repeated to a maximum of six hours.

Prerequisite: C or better in GRK 202 and permission of instructor and department head.
Typically offered: Demand

GRK 503 - Advanced Greek Translation

Credit Hours: 3
Advanced training in the skills of translating and explicating texts in classical and koine Greek. Variable content course. May be repeated to a maximum of nine hours if topic varies.

Prerequisite: GRK 202.
Lecture contact hours: 3

Typically offered: Demand

German

GRM 101 - Elementary German I

Credit Hours: 3
CORE 42: MOTR number LANG 105 - Foreign Language 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.

Lecture contact hours: 3

Typically offered: Fall

Access the CORE 42 Portal

GRM 102 - Elementary German II

Credit Hours: 3
CORE 42: MOTR number LANG 106 - Foreign Language II.

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.

Prerequisite: C or better in GRM 101.
Lecture contact hours: 3

Typically offered: Spring

Access the CORE 42 Portal

GRM 201 - Intermediate German I

Credit Hours: 3
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.

Prerequisite: C or better in GRM 102.
Lecture contact hours: 3

Typically offered: Fall

GRM 202 - Intermediate German II

Credit Hours: 3
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.

Prerequisite: C or better in GRM 201.
Lecture contact hours: 3

Typically offered: Spring

GRM 297 - Special Topics in German

Credit Hours: 1-6
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. Variable content course. May be repeated, as topics change, to a maximum of six hours.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

GRM 300 - Service Learning in German

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in a German course at the 202 level or above.
Typically offered: Fall, Spring

GRM 304 - Conversational Strategies

Credit Hours: 1-3
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.

Prerequisite: GRM 201.
Typically offered: Demand

GRM 311 - German Reading and Conversation

Credit Hours: 3
A structured course designed to develop and refine students reading and conversational skills. Variable content course. May be repeated, as content changes, to a maximum of six hours.

Prerequisite: GRM 202.
Lecture contact hours: 3

Typically offered: Demand

GRM 312 - German Composition

Credit Hours: 3
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 six hours.

Prerequisite: GRM 311.
Lecture contact hours: 3

Typically offered: Demand

GRM 320 - German Cinema

Credit Hours: 3
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. Variable content course. May be repeated to a maximum of six hours.

Prerequisite: GRM 202.
Lecture contact hours: 3

Typically offered: Demand

GRM 325 - Kulturkunde der deutschsprachigen Lander

Credit Hours: 3
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 to a maximum of six hours.

Prerequisite: GRM 202.
Lecture contact hours: 3

Typically offered: Demand

GRM 375 - Topics in German Studies

Credit Hours: 3
Selected topics in German society. Variable content course. May be repeated once with a different topic.

Prerequisite: GRM 202 or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

GRM 400 - Praktikum

Credit Hours: 1-3
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 three credit hours.

Prerequisite: permission of instructor.
Typically offered: Demand

GRM 410 - Translation

Credit Hours: 3
Activities and exercises focused on oral and written translation on career fields.

Prerequisite: GRM 312.
Lecture contact hours: 3

Typically offered: Demand

GRM 415 - German for Professional and Business Use

Credit Hours: 3
Focus on advanced speaking and reading proficiency for applied use in professional fields such as administration, international relations, global studies and business.

Prerequisite: GRM 311 or above.
Lecture contact hours: 3

Typically offered: Demand

GRM 455 - Masterpieces of 19th Century German Literature

Credit Hours: 3
Selected works or authors from the 19th century. Variable content course. May be repeated once with a different topic.

Prerequisite: GRM 311 or above.
Lecture contact hours: 3

Typically offered: Demand

GRM 465 - Masterpieces of 20th Century German Literature

Credit Hours: 3
Selected works or authors from the 20th century. Variable content course. May be repeated once with a different topic.

Prerequisite: GRM 311 or above.
Lecture contact hours: 3

Typically offered: Demand

GRM 475 - Topics in German(ic) Literature and Culture

Credit Hours: 3
Selected topics in German(ic) literature and culture. Variable content course. May be repeated once with a different topic.

Prerequisite: GRM 311 or above.
Lecture contact hours: 3

Typically offered: Demand

GRM 485 - Thematic Approaches to German Literature

Credit Hours: 3
A survey of German literature across multiple centuries from the perspective of a particular theme. Variable content course. May be repeated once as topics change.

Prerequisite: GRM 311 or above.
Lecture contact hours: 3

Typically offered: Demand

GRM 495 - Advanced Undergraduate Seminar in German

Credit Hours: 3
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 six hours.

Prerequisite: GRM 312 and GRM 325 or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

GRM 498 - Seminar Course in German

Credit Hours: 1-3
Supervised independent study in literature, linguistics or other restricted topics. May be repeated to a maximum of six hours.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

Geography

GRY 100 - World Regional Geography

Credit Hours: 3
General Education Course: Focus on Cultural Competence **CORE 42:** MOTR number GEOG 101 - World Regional Geography.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

GRY 108 - Principles of Sustainability

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

GRY 109 - Sustainability Roundtable

Credit Hours: 1
This discussion-based course engages students in foundational literature within the sustainability discipline. Students participate through discussions and presentations reviewing how sustainability today has origins in key economic, environmental, and social writings.

Prerequisite: GRY 108 or concurrent enrollment.
Lecture contact hours: 1

Typically offered: Fall, Spring

GRY 135 - Principles of Weather and Climate

Credit Hours: 4
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number PHYS 110LAS - Essentials in Physical Sciences with Lab-Meteorology/Atmospheric 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.

Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

Access the CORE 42 Portal

GRY 137 - Meteorology: Understanding Weather and Climate

Credit Hours: 3
General Education Course: Focus on Physical Sciences

An exploration of Earth's atmosphere, weather phenomena, and changes in climate. This course will introduce students to various aspects of weather and climate, including the mechanisms that cause the weather and how and why climate changes. Topics will include atmospheric structure and circulation, evolution of storm systems, precipitation processes, cloud formation, weather hazards, and mechanisms of climate change. Students wishing to fulfill the General Education laboratory requirement should also take GRY 138.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

GRY 138 - Meteorology: Understanding Weather and Climate Laboratory

Credit Hours: 1
General Education Course: Focus on Physical Sciences

A hands-on exploration of Earth's atmosphere, weather phenomena, and changes in climate. This course includes a series of practical activities that involve analyzing atmospheric data to test hypotheses, often in the form of weather or climate forecasts. Topics include atmospheric structure and circulation, evolution of storm systems, precipitation processes, cloud formation, weather hazards, and mechanisms of climate change.

Prerequisite: GRY 137 or concurrent enrollment.
Lab contact hours: 2

Typically offered: Fall, Spring

GRY 142 - Earth's Natural Environment

Credit Hours: 4
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number GEOG 100L - Physical Geography with Lab.

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.

Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

Access the CORE 42 Portal

GRY 145 - Earth's Natural Environment

Credit Hours: 3
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. Cannot receive credit for both GRY 145 and GRY 240.

Lecture contact hours: 3

Typically offered: Fall, Spring

GRY 146 - Earth's Natural Environment Laboratory

Credit Hours: 1
General Education Course: Focus on Physical Sciences

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.

Lab contact hours: 2

Typically offered: Fall, Spring

GRY 197 - Selected Topics in Geography I

Credit Hours: 1-3
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. Variable content course. Students should check the semester class schedule to determine the topic title for any given semester. May be repeated to a maximum of five hours.

Prerequisite: permission.
Typically offered: Demand

GRY 240 - Earth Science for Teachers

Credit Hours: 4
CORE 42: MOTR number PHYS 110LT - Essentials in Physical Sciences with Lab.

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. Cannot receive credit for both GRY 145 and GRY 240.

Prerequisite: 30 hours; and open only to Early Childhood, Elementary, and Middle School majors.
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Fall, Spring

Access the CORE 42 Portal

GRY 275 - Introduction to Plane Surveying

Credit Hours: 3
Fundamental concepts and practices of land surveying. Practical exercises comparable to those used at Missouri University of Science and Technology.

Prerequisite: MTH 137 or higher.
Lecture contact hours: 2 **Lab contact hours:** 3

Typically offered: Fall

GRY 300 - Geography of the United States

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

GRY 301 - Geography of the Ozarks

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

GRY 305 - Selected World Regions

Credit Hours: 3
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 course will be devoted to a single region that can vary from semester to semester. Variable content course. Students should check the current class schedule to determine the topic title for any given semester. Since topics vary, the course may be repeated with permission.

Lecture contact hours: 3

Typically offered: Demand

GRY 310 - Fundamentals of Tourism

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

GRY 315 - Service-Learning in Geography

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent enrollment in a Geography course designated as a service-learning offering.
Typically offered: Fall, Spring

GRY 316 - Geography of Global Health and Disease

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

GRY 318 - Geography of the National Parks

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

GRY 320 - Cultural Geography

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

GRY 321 - Economic Geography

Credit Hours: 3
Location, distribution and extent of world economic activity. Topics include resource extraction, agriculture, manufacturing, retailing, and services.

Prerequisite: 30 hours.
Lecture contact hours: 3

Typically offered: Spring

GRY 322 - Urban Geography

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

GRY 323 - World Political Geography

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

GRY 325 - Rural Geography

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall Odd

GRY 348 - Geomorphology

Credit Hours: 3
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.

Prerequisite: GRY 145 and GRY 146; or GLG 113 or GLG 114 and GLG 116.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

GRY 351 - Sustainable Management of Natural Resources

Credit Hours: 3
A comprehensive examination of Earth's natural resources and their sustainable management approaches. Emphasizes exploration of challenges and opportunities of natural resource management practices considering diverse ecosystems, societal needs, and environmental changes. Focuses on analyzing natural resource systems, applying interdisciplinary approaches, and developing policy insights to foster sustainable management of natural resources.

Prerequisite: 30 hours.
Lecture contact hours: 3

Typically offered: Spring

GRY 353 - Field Experience in Geography (inside continental USA)

Credit Hours: 3
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 school director, field experience study courses in other departments may substitute for GRY 353. May be repeated to a maximum of six hours if the destinations differ. Graded Pass/Not Pass only.

Prerequisite: permission.
Lab contact hours: 6

Typically offered: Demand

GRY 367 - Research Methods in Geography and Geospatial Science

Credit Hours: 3
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.

Prerequisite: MTH 340 or AGR 330 or PSY 200 or QBA 237 or SPR 328 or SOC 220.
Lecture contact hours: 3

Typically offered: Fall

GRY 375 - Advanced Plane Surveying

Credit Hours: 3
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.

Prerequisite: GRY 275.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

GRY 377 - Legal Aspects of Boundary Surveying

Credit Hours: 3
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.

Prerequisite: GRY 375.
Lecture contact hours: 3

Typically offered: Demand

GRY 379 - Surveying Computations

Credit Hours: 3
Computations in horizontal control networks, projections including Universal Transverse Mercator and State Plane Coordinates, Practical Astronomy, and Global Positioning Systems.

Prerequisite: GRY 375.
Lecture contact hours: 3

Typically offered: Demand

GRY 397 - Selected Topics in Geography II

Credit Hours: 1-3
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. Variable content course. Students should check the current class schedule to determine the topic title for any given semester. Since credit and topics vary, this course may be repeated, with permission, to a maximum of five hours.

Prerequisite: permission.
Typically offered: Demand

GRY 399 - Internship in Geography

Credit Hours: 1-3
Work experience in geography. Students have periodic conferences with geosciences school faculty and supervisory personnel of the employing business or agency. May be repeated to a maximum of six hours.

Prerequisite: permission.
Typically offered: Fall, Spring

GRY 429 - Geography of World Tourism

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

GRY 470 - Field Experience in Geography (outside continental USA)

Credit Hours: 3
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 school director, field study and Education Abroad courses in other departments may substitute for GRY 470. May be repeated to a maximum of six hours if the destinations differ. Graded Pass/Not Pass only.

Prerequisite: permission.
Lab contact hours: 6

Typically offered: Demand

GRY 495 - Undergraduate Research in Geography

Credit Hours: 1-3
Enrichment through guided but independent, original research in geography and geography related subject areas. May be repeated to a maximum of six hours.

Prerequisite: permission.
Typically offered: Demand

GRY 496 - Readings in Geography

Credit Hours: 2
Selected readings and reports on geographical literature. May be repeated to a maximum of four hours.

Prerequisite: permission.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall, Spring

GRY 497 - Special Topics in Geography

Credit Hours: 1-3
Open to students majoring and minoring in the School of Earth, Environment and Sustainability. Outstanding students obtain additional experience through guided independent study in geography. May be repeated to a maximum of five hours.

Prerequisite: permission.
Typically offered: Fall, Spring

GRY 507 - Geography of Subsaharan Africa

Credit Hours: 3
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 507 and GRY 607.

Lecture contact hours: 3

Typically offered: Demand

GRY 508 - The Philosophy of Geosustainability

Credit Hours: 3
This discussion and inquiry-based course provides students increased understanding in the historical and philosophical underpinnings of sustainability. Emphasis is placed evenly on social, economic and environmental factors and how they all contribute to present-day applications of sustainability in varying contexts such as policy, business, and development. Special emphasis is placed on how sustainability intersects with conservation, preservation, economic and social development, and the United Nations Sustainable Development Goals (SDGs). May be taught concurrently with GRY 608. Cannot receive credit for both GRY 508 and GRY 608.

Prerequisite: GRY 108 and GRY 109.
Lecture contact hours: 3

Typically offered: Fall, Spring

GRY 510 - Applications in Sustainable Geotourism

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

GRY 525 - Environmental Hazards

Credit Hours: 3
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 525 and GRY 625.

Prerequisite: GRY 145 and GRY 146; or GRY 137 and GRY 138; and GLG 113 or GLG 114.
Lecture contact hours: 3

Typically offered: Demand

GRY 535 - Global Climate and Weather Cycles

Credit Hours: 3
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 535 and GRY 635.

Prerequisite: GRY 137 and GRY 138; and MTH 340 or AGR 330 or PSY 200 or QBA 237 or SPR 328.
Lecture contact hours: 3

Typically offered: Demand

GRY 545 - Global Environmental Change

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

GRY 549 - Sustainable Landform Management

Credit Hours: 3
A study of the earth's landforms focusing on the scientific understanding of the landform development processes integrating management practices and sustainability. Emphasis is placed on the role of humans as a geomorphic agent in the 21st century and the need for a sustainable approach towards landform management. May be taught concurrently with GRY 649. Cannot receive credit for both GRY 549 and GRY 649.

Recommended Prerequisite: GRY 145 and GRY 146; or GLG 113 or GLG 114 and GLG 116.

Lecture contact hours: 3

Typically offered: Spring Even

GRY 550 - Fluvial Geomorphology

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

GRY 596 - Topical Issues in Education

Credit Hours: 1-5
Selected topics in geography and earth science to upgrade understandings and skills in improvement of elementary or secondary teaching. Variable content course. Each class 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 maximum of five hours. May be taught concurrently with GRY 696. Cannot receive credit for both GRY 596 and GRY 696.

Prerequisite: permission.
Typically offered: Demand

GRY 597 - Special Topics in Geography

Credit Hours: 1-5
Selected topics in geography. Special topics will be included in the class schedule for each term. Field trips may be required. Variable content course. Number of class hours determined by semester hours of credit. May be repeated to a maximum of six hours. May be taught concurrently with GRY 697. Cannot receive credit for both GRY 597 and GRY 697.

Prerequisite: permission.
Typically offered: Demand

Gender Studies

GST 170 - Sex, Gender, and Self

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

GST 315 - The Economics of Gender

Credit Hours: 3
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.

Prerequisite: ECO 165.
Lecture contact hours: 3

Typically offered: Demand

GST 326 - Feminist Theories of Social Order

Credit Hours: 3
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.

Prerequisite: SOC 150 or GST 170.
Lecture contact hours: 3

Typically offered: Spring

GST 400 - Gender in Global Community

Credit Hours: 3
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.

Prerequisite: SOC 150 or GST 170.
Lecture contact hours: 3

Typically offered: Fall

GST 497 - Special Topics in Gender Studies

Credit Hours: 1-3
In-depth inquiry into selected topics of Gender Studies. May be repeated to a maximum of six hours if the topic is different.

Prerequisite: permission.
Typically offered: Fall, Spring

Hebrew

HBW 101 - Elementary Biblical Hebrew I

Credit Hours: 3
CORE 42: MOTR number LANG 105 - Foreign Language I.

The essentials of grammar and vocabulary building of Ancient Hebrew through reading and writing.

Lecture contact hours: 3

Typically offered: Demand

Access the CORE 42 Portal

HBW 102 - Elementary Biblical Hebrew II

Credit Hours: 3
CORE 42: MOTR number LANG 106 - Foreign Language II.

Continuation of HBW 101.

Prerequisite: C or better in HBW 101.
Lecture contact hours: 3

Typically offered: Demand

Access the CORE 42 Portal

HBW 201 - Intermediate Biblical Hebrew I

Credit Hours: 3
Continuation of HBW 102, with increased emphasis on reading.

Prerequisite: C or better in HBW 102.
Lecture contact hours: 3

Typically offered: Demand

HBW 202 - Intermediate Biblical Hebrew II

Credit Hours: 3
Introduction to Ancient Hebrew Literature; analysis of its subject, forms and ideals.

Prerequisite: C or better in HBW 201.
Lecture contact hours: 3

Typically offered: Demand

HBW 297 - Special Topics in Hebrew

Credit Hours: 1-6
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. Variable content course. May be repeated to a maximum of six hours as topics change.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

Health Care Management

HCM 301 - Health Care Organization

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

HCM 303 - Health Care Legal Issues

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

HCM 504 - Health Care Economics

Credit Hours: 3
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 504 and HCM 604.

Recommended Prerequisite: ECO 165 or AGB 144.

Lecture contact hours: 3

Typically offered: Fall

Hindi

HIN 101 - Elementary Hindi I

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

HIN 102 - Elementary Hindi II

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

Health

HLH 195 - Introduction to the Health Professions

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall, Spring

HLH 399 - Cooperative Education in the Health Sciences

Credit Hours: 1-6
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.

Prerequisite: acceptance into the Cooperative Education Program and permission.
Typically offered: Fall, Spring

HLH 582 - Motivational Interviewing for Health Professionals

Credit Hours: 3
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 HLH 682. Cannot receive credit for both HLH 582 and HLH 682.

Prerequisite: permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

Hospitality Leadership

HSP 210 - Essentials of Hospitality Leadership

Credit Hours: 2
This course is designed to examine the hospitality 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.

Lecture contact hours: 2

Typically offered: Fall, Spring

HSP 212 - Introduction to Theme Park and Attraction Management

Credit Hours: 2
This course provides a comprehensive examination of the theme park and attraction industry, with a focus on resources, ride operations, merchandising, culinary services, and architectural design. The course's primary purpose is to familiarize students with the theme park and attraction industry. Emphasis is placed on the application of class material to current industry trends and focus on the organization and management functions of these huge entertainment complexes.

Lecture contact hours: 2

Typically offered: Fall, Spring

HSP 215 - Introduction to Lodging Management

Credit Hours: 3
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.

Prerequisite: HSP 210 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall, Spring

HSP 218 - Safety and Sanitation

Credit Hours: 3
Introduction to food service sanitation and safety practices pertinent to hospitality management. Emphasis on sanitation requirements, safe food handling, storage practices and accident prevention.

Prerequisite: HSP 210 or concurrent enrollment or permission.
Lecture contact hours: 3

Typically offered: Fall, Spring

HSP 220 - Money Talks: Managing Hospitality Finances

Credit Hours: 2
The course is intended as an introduction to hospitality financial accounting. The course provides students with a basic understanding of hospitality industry accounting concepts and procedures necessary to succeed within hospitality organizations.

Lecture contact hours: 2

Typically offered: Fall, Spring

HSP 230 - Creating Exceptional Guest Experiences

Credit Hours: 2
This course introduces the application of service concepts, principles, and techniques to the hospitality industry and explores the components of creating positive guest experience in hospitality organizations. Significant attention is given to making strategic decisions that enhance the guest experience.

Lecture contact hours: 2

Typically offered: Fall, Spring

HSP 300 - Special Topics in Hospitality Leadership

Credit Hours: 1-3
Selected topics of contemporary interest in hospitality leadership. Variable content course. Offered when resources and demand allow. May be repeated to a maximum of six hours when topics change.

Prerequisite: permission of school director.
Typically offered: Demand

HSP 302 - Hospitality Leadership Study Tour

Credit Hours: 1-3
Study of and visits to museums, international hospitality tours, historic sites, trade shows, conferences, and conventions related to the hospitality industry. May be repeated to a maximum of six hours.

Prerequisite: permission of school director.
Typically offered: Demand

HSP 310 - Analyzing Financial Performance in Hospitality Operations

Credit Hours: 3
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.

Prerequisite: HSP 210; and HSP 220 or ACC 201.
Lecture contact hours: 3

Typically offered: Fall, Spring

HSP 315 - Advanced Lodging Management

Credit Hours: 3
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.

Prerequisite: HSP 210 and HSP 215.
Lecture contact hours: 3

Typically offered: Spring

HSP 321 - Principles of Food Preparation

Credit Hours: 3
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.

Prerequisite: proof of valid ServSafe certification.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall, Spring

HSP 325 - Cultural Cuisine

Credit Hours: 1-3
A course designed to extensively explore various cultures through a hands-on culinary experience. May be repeated to a maximum of six hours.

Prerequisite: permission of instructor.
Typically offered: Demand

HSP 330 - Banquet Operations

Credit Hours: 3
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.

Prerequisite: HSP 210 and HSP 321; and Hospitality Leadership major or enrolled in Food and Beverage Operations certificate program.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

HSP 340 - Destination Development

Credit Hours: 3
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.

Prerequisite: HSP 410 or concurrent enrollment; or GRY 310.
Lecture contact hours: 3

Typically offered: Spring

HSP 345 - Club Management

Credit Hours: 3
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.

Prerequisite: HSP 210 and HSP 215 and HSP 218.
Lecture contact hours: 3

Typically offered: Fall

HSP 354 - Hospitality Human Resource Development

Credit Hours: 3
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.

Prerequisite: HSP 210; and HSP 220 or ACC 201; and HSP 230.
Lecture contact hours: 3

Typically offered: Fall, Spring

HSP 360 - Hospitality Facilities Management

Credit Hours: 3
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

Prerequisite: HSP 210 and HSP 215.
Lecture contact hours: 3

Typically offered: Fall

HSP 370 - Hospitality Industry Revenue Management

Credit Hours: 3
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.

Prerequisite: HSP 310 or HSP 315 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Spring

HSP 380 - Be the Boss: A guidebook to Hospitality Innovation

Credit Hours: 3
This course is designed to examine and explore the world of business ownership within the hospitality field through strategic innovation. Students will study concepts, practices, and theories geared toward preparing them for a career path as a strategic innovator.

Prerequisite: HSP 220 or MTH 130 or higher; and Hospitality Leadership major or enrolled in certificate program.
Lecture contact hours: 3

Typically offered: Fall Odd

HSP 400 - Problems in Hospitality Leadership

Credit Hours: 1-3
Independent study for those who wish additional work in specific subject areas.

Prerequisite: permission of school director.
Typically offered: Demand

HSP 409 - Beverage Operations

Credit Hours: 3
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.

Prerequisite: senior standing; and Hospitality Leadership major or enrolled in Food and Beverage Operations certificate program.
Lecture contact hours: 3

Typically offered: Fall, Spring

HSP 410 - Hospitality Marketing

Credit Hours: 3
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.

Prerequisite: HSP 310 or concurrent enrollment.

Lecture contact hours: 3

Typically offered: Fall, Spring

HSP 426 - Food and Beverage Management

Credit Hours: 3
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.

Prerequisite: HSP 321; and MTH 130 or higher; and junior standing; and Hospitality Leadership major or enrolled in Food and Beverage Operations certificate program.
Lecture contact hours: 3

Typically offered: Fall, Spring

HSP 428 - Hospitality Law

Credit Hours: 3
The study of the legal aspect of lodging and food service operations. Problem-solving approach applied to liability and litigation problems confronting hospitality executives.

Prerequisite: HSP 210; and HSP 220 or ACC 201; and HSP 230; and Hospitality Leadership major or enrolled in Essentials of Hospitality Management certificate.
Lecture contact hours: 3

Typically offered: Fall, Spring

HSP 430 - Special Event Planning

Credit Hours: 3
In-depth analysis of management and operational challenges involved in planning and deploying events as they relate to the hospitality industry.

Prerequisite: HSP 321.
Lecture contact hours: 3

Typically offered: Fall, Spring

HSP 435 - Restaurant Management

Credit Hours: 3
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 maximum of six hours.

Prerequisite: HSP 321; and Hospitality Leadership major or enrolled in Food and Beverage Operations certificate program.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall, Spring

HSP 436 - Casino Operations

Credit Hours: 3
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.

Prerequisite: HSP 354 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall, Spring

HSP 480 - Global Strategic Management in the Hospitality Industry

Credit Hours: 3
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.

Prerequisite: HSP 310; and HSP 410 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall, Spring

HSP 490 - Advanced Hospitality Leadership

Credit Hours: 3
An in-depth investigation into leadership principles and practices required of professionals in the hospitality industry. Public Affairs Capstone Experience course.

Prerequisite: HSP 354 or concurrent enrollment; and Hospitality Leadership major or enrolled in Advanced Hospitality Leadership certificate.
Lecture contact hours: 3

Typically offered: Fall, Spring

HSP 497 - International Hospitality Field Study

Credit Hours: 1-3
Provides students with first-hand exposure to international issues in hospitality administration. This Education Abroad opportunity 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. Variable content course. Because credit and destinations vary, the course may be repeated to a maximum of six hours. Graded Pass/Not Pass only.

Prerequisite: HSP 210 and HSP 215 and HSP 218 and permission.
Typically offered: Demand

HSP 499 - Internship in Hospitality

Credit Hours: 6
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.

Prerequisite: senior standing; and Hospitality Leadership major; and permission.
Typically offered: Demand

HSP 510 - Theme Park Merchandising and Gaming Management

Credit Hours: 3
The focus of this course is on the concepts of merchandising and gaming management, including price strategies, cost methods, sales analysis, promotional techniques, visual merchandising or consumer behavior in both stores, attractions, and gaming establishments.

Prerequisite: HSP 212 or concurrent enrollment; and Hospitality Leadership major or enrolled in certificate program.
Lecture contact hours: 3

Typically offered: Fall, Spring

HSP 540 - Tourism Analytics

Credit Hours: 3
This course offers systematic steps to complete a comprehensive, industry quality research project with data from Smith Travel Research where students identify the problem or objective and present findings at the end. The class will introduce the four most popular types of tourism research projects: Market Study, Impact Analysis, Economic Analysis, and Feasibility Study. Students will gain hands-on experiences with data analysis, data visualization and presentation of the results completing a market study research project. Case Scenarios with destinations are used to demonstrate the steps to create each of the different research projects. Students will learn the key concepts and competencies for the Certification in Advanced Hospitality and Tourism Analytics (CAHTA) and complete the requirements for the CAHTA certification.

Prerequisite: HSP 340 or concurrent enrollment; and Hospitality Leadership major or enrolled in certificate program.
Lecture contact hours: 3

Typically offered: Fall, Spring

History

HST 103 - World History to Circa 1600 C.E.

Credit Hours: 3
General Education Course: Focus on Humanities **CORE 42:** MOTR number HIST 201 - World History I.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

HST 104 - World History since 1600 C.E.

Credit Hours: 3
General Education Course: Focus on Humanities **CORE 42:** MOTR number HIST 202 - World History II.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

HST 121 - Survey of the History of the United States to 1877

Credit Hours: 3
General Education Course: Focus on Constitutions of US and Missouri and American History and Institutions
CORE 42: MOTR number HIST 101 - American History I.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

HST 122 - Survey of the History of the United States since 1877

Credit Hours: 3
General Education Course: Focus on Constitutions of US and Missouri and American History and Institutions
CORE 42: MOTR number HIST 102 - American History II.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

HST 199 - Preparation Strategies for the Missouri Content Assessment in Social Science

Credit Hours: 0
This course supports students in their preparation to take the Missouri Content Assessment in Social Science. The course familiarizes students with the test framework and types of questions covered in the exam. The course does not provide comprehensive coverage of the test content; students taking this course should have already obtained that content through the content courses required for the degree. Graded Pass/Not Pass only.

Prerequisite: admission to Teacher Education and concurrent enrollment in either HST 417 or HST 418.
Typically offered: Fall, Spring

HST 210 - Writing II: Historical Inquiry

Credit Hours: 3
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.

Prerequisite: ENG 110 and 30 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

HST 300 - Service-Learning in History

Credit Hours: 1
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.

Prerequisite: 30 hours, concurrent registration in a History course designated as a service-learning offering and permission of department head.
Typically offered: Fall, Spring

HST 301 - Introduction to Digital Humanities, Public History, and Information Literacy

Credit Hours: 3
Digital Humanities is an academic field in which Humanities-driven research questions are interrogated or communicated using digital or computational methods. In an increasingly technological and globalized world, this field has contributed to the accessibility and democratization of historical knowledge. This has brought both incredible benefits and challenges to the discipline of History, and more specifically the sub-field of Public History. That is, history education and dissemination conducted outside the classroom in contexts that engage popular audiences, such as museums and archaeological or historical sites, through printed materials, online content creation, public performances, and the like. This has at times created new dynamics between the public, with varying levels of information literacy, and Historians, as the professional stewards of our shared past. This course introduces students to

the foundational concepts and methods of Digital Humanities, Public History, and Information Literacy (DPHIL), provides opportunities for practical skill building, interrogates paradigms of academia and knowledge acquisition, and considers the roles of citizens and scholars in the maintenance of historical knowledge. The course culminates in a practical DPHIL project. Graded Pass/Not Pass only. May not be repeated for History credit.

Prerequisite: General Education Focus on Written Communication and Integrative and Applied Learning course, preferably HST 210.
Lecture contact hours: 3

Typically offered: Demand

HST 312 - History of American Baseball

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

HST 313 - American Cultural History

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

HST 314 - American Expansion and Empire

Credit Hours: 3
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.

Recommended Prerequisite: HST 121 or HST 122.

Lecture contact hours: 3

Typically offered: Demand

HST 315 - Military History of the United States

Credit Hours: 3
American Military History from the colonial period to the present; its relation to the national development in war and peace.

Recommended Prerequisite: HST 121 or HST 122.

Lecture contact hours: 3

Typically offered: Fall, Spring

HST 323 - Women in Africa

Credit Hours: 3
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. Identical with AAS 323. Cannot receive credit for both HST 323 and AAS 323.

Recommended Prerequisite: HST 103 or HST 104.

Lecture contact hours: 3

Typically offered: Demand

HST 324 - Women in American History

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

HST 329 - The Automobile in American Life

Credit Hours: 3
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.

Recommended Prerequisite: HST 122

Lecture contact hours: 3

Typically offered: Demand

HST 331 - African American History I

Credit Hours: 3
Survey of the experiences of Americans of African descent to 1865. Emphasis on African heritage; African-American contributions and institutions; slavery and quasi-freedom. Identical with AAS 331. Cannot receive credit for both HST 331 and AAS 331.

Recommended Prerequisite: HST 121 or AAS 100.

Lecture contact hours: 3

Typically offered: Demand

HST 332 - African American History II

Credit Hours: 3
Continuation of HST 331, 1865-present. Emphasis on the struggles for racial justice; protest organizations, philosophies and tactics. Identical with AAS 332. Cannot receive credit for both HST 332 and AAS 332.

Recommended Prerequisite: HST 122 or AAS 100.

Lecture contact hours: 3

Typically offered: Demand

HST 334 - Conflict and Peace Building in Africa

Credit Hours: 3
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. Identical with AAS 334. Cannot receive credit for both HST 334 and AAS 334.

Recommended Prerequisite: HST 103 or HST 104 or HST 121 or AAS 100.

Lecture contact hours: 3

Typically offered: Demand

HST 335 - African Civilization

Credit Hours: 3
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. Identical with AAS 335. Cannot receive credit for both HST 335 and AAS 335.

Recommended Prerequisite: HST 103 or HST 104.

Lecture contact hours: 3

Typically offered: Demand

HST 338 - Sources and Methods in African History

Credit Hours: 3
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. Identical with

AAS 338. Cannot receive credit for both HST 338 and AAS 338.

Lecture contact hours: 3

Typically offered: Demand

HST 339 - Africa and the Wider World

Credit Hours: 3
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. Identical with AAS 339. Cannot receive credit for both HST 339 and AAS 339.

Recommended Prerequisite: HST 103 or HST 104 or HST 121 or AAS 100.

Lecture contact hours: 3

Typically offered: Demand

HST 340 - Industrialization in Global Perspective

Credit Hours: 3
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.

Recommended Prerequisite: HST 122.

Lecture contact hours: 3

Typically offered: Demand

HST 343 - Ancient Rome

Credit Hours: 3
Roman civilization to the downfall of the Empire. Broad social, economic, technological and cultural developments. The problems of the decline of ancient civilization.

Recommended Prerequisite: HST 103.

Lecture contact hours: 3

Typically offered: Demand

HST 345 - Enslavement in the Atlantic World

Credit Hours: 3
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. Identical with AAS 345. Cannot receive credit for both HST 345 and AAS 345.

Recommended Prerequisite: HST 103 and HST 104; and HST 121 or AAS 100.

Lecture contact hours: 3

Typically offered: Demand

HST 346 - Drunk History: A Global History of Alcohol

Credit Hours: 3
The course provides a 'global' survey of the history of alcohol, especially in its relationship with labor, political policies, and the economy. Course will explore how these substances became implicated in the formation of gendered, racial, and ethnic identities, as well as in the contexts of imperialism and nationalism. This course will also survey the relationship between inebriation and incarceration, and how alcohol facilitated labor exploitation and racial oppression.

Lecture contact hours: 3

Typically offered: Demand

HST 350 - Latin American Civilization

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

HST 351 - History of Europe to 1650

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

HST 352 - Crisis in the Late Middle Ages

Credit Hours: 3
This course examines environmental, biological, political, and spiritual crises in Europe between 1300 and 1500, with a primary focus on the Great Famine, the Black Death, the Hundred Years War, the Avignon Papacy, and the Great Schism. The course focuses on the role of spiritual crises, prolonged war, and death from famine and disease in reshaping social, political, and economic expectations at the end of the Middle Ages, as well as the ways in which large-scale changes were experienced by individual people living at the time.

Recommended Prerequisite: HST 103.

Lecture contact hours: 3

Typically offered: Demand

HST 354 - History of Europe, 1715-Present

Credit Hours: 3
This course surveys the major themes of European history from the 18th century to the present. Topics will include the Enlightenment, the French Revolution and the Napoleonic Empire, industrialization and its consequences, nationalism and imperialism during the "Long 19th Century" the "World Wars" of the 20th century, and the evolving social, political, and cultural dynamics of modern and contemporary Europe.

Prerequisite: HST 104.
Lecture contact hours: 3

Typically offered: Demand

HST 356 - Nazi Germany

Credit Hours: 3
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.

Recommended Prerequisite: HST 104.

Lecture contact hours: 3

Typically offered: Demand

HST 360 - Britain and the World, 55 B.C.-1707

Credit Hours: 3
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, the Glorious Revolution, and the Unification of Britain.

Recommended Prerequisite: HST 103.

Lecture contact hours: 3

Typically offered: Demand

HST 361 - Britain and World 1707-Present

Credit Hours: 3
Transition to industrial society; aristocratic power and influence; consumer culture; overseas empire and race relations; welfare state; economic and international decline.

Recommended Prerequisite: HST 103 or HST 104.

Lecture contact hours: 3

Typically offered: Demand

HST 362 - Modern Latin American History: From Independence to Present

Credit Hours: 3
This course is the second course in the Latin American Civilization sequence covering the history of Modern Latin American from the wars of independence in the early nineteenth century until the present. The class will explore the racial, class, and gender hierarchies that emerged out of the region's postcolonial past, and their impact on Latin American people's lives. The course will conclude with an examination of twenty-first-century Latin American cultural, political and social issues. Major themes and topics include democracy, dictatorship, revolution, religion, and the importance of race, class, and gender in the history of the region.

Lecture contact hours: 3

Typically offered: Demand

HST 364 - History of Women in Latin America

Credit Hours: 3
This course assesses the continuities and changes in the lives of Latin American women through the lens of gender. The course themes will examine concepts that have structured Latin American beliefs about gender including honor and shame, and machismo and marianismo, and examine issues of gender relations, sexuality, and political involvement. This course will examine the history of women in Latin America from the colonial through the modern periods. Other topics will include how women participated in and were influenced by political, economic, and social change, and representations of women in art, music, literature, and recent films.

Lecture contact hours: 3

Typically offered: Demand

HST 369 - Ancient Civilizations of the Mediterranean and Middle East

Credit Hours: 3
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.

Recommended Prerequisite: HST 103.

Lecture contact hours: 3

Typically offered: Demand

HST 370 - Religions, Cultures, and Empires of the Middle East and North Africa, 570 CE to 1798 CE

Credit Hours: 3
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.

Recommended Prerequisite: HST 103 and/or HST 104.

Lecture contact hours: 3

Typically offered: Demand

HST 371 - The Making of the Modern Middle East, 1750 CE to 1923 CE

Credit Hours: 3
This course provides students with an overview of the broad social, economic, and political trends that reshaped the Middle East and North Africa between the late eighteenth century and the end of the First World War. This includes the growth of European influence over the region, manifest in both direct colonial rule as in Algeria and Egypt, and more indirect forms of domination, as in the Ottoman Empire and Qajar Iran. It also includes an examination of the various responses this changing balance of power provoked in the societies of the Middle East and North Africa. It concludes by contextualizing the collapse of the Ottoman and Qajar empires and the emergence of the region's modern system of nation-states in the aftermath of the First World War.

Recommended Prerequisite: HST 104.

Lecture contact hours: 3

Typically offered: Demand

HST 375 - The Ozarks in American History

Credit Hours: 3
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.

Recommended Prerequisite: HST 121 or HST 122.

Lecture contact hours: 3

Typically offered: Demand

HST 380 - Premodern East Asia

Credit Hours: 3
A comparative historical treatment of the countries of East Asia--China, Japan, and Korea--from earliest times to 1600.

Lecture contact hours: 3

Typically offered: Fall

HST 381 - Modern East Asia

Credit Hours: 3
A comparative historical treatment of the countries of East Asia--China, Japan, and Korea--from 1600 to the present.

Lecture contact hours: 3

Typically offered: Spring

HST 382 - Asia Pacific War

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

HST 383 - A Global History of the Inquisition, 1478-1834: The Holy Office in Europe, Asia, and the Americas

Credit Hours: 3
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).

Lecture contact hours: 3

Typically offered: Demand

HST 384 - History of Piracy in the Americas, 1492-1820

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Summer

HST 388 - The Second World War

Credit Hours: 3
This course examines the causes, the major events, and the consequences of the Second World War from a global perspective, meaning that both the European and Asian/Pacific theaters will be covered. Although the significant military campaigns and battles of the war are addressed, this is not intended to be a military history course. Rather, the emphasis will be on the Second World War as the transformative event of the 20th century politically, culturally, socially, economically, and morally, addressing: the ideological agenda of the "Axis Powers" before and during the war; the significance of the home front in the context of "total war"; propaganda and the role of media; human rights and war crimes; and the evolving ways in which the war has been remembered and represented the war in the U.S., Europe, and Asia since 1945.

Prerequisite: HST 104.
Lecture contact hours: 3

Typically offered: Demand

HST 390 - Introduction to Historiography

Credit Hours: 3
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.

Prerequisite: 9 hours of history.
Lecture contact hours: 3

Typically offered: Spring

HST 392 - European History Primary Source Seminar

Credit Hours: 3
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.

Prerequisite: HST 210.

Lecture contact hours: 3

Typically offered: Demand

HST 393 - United States History Primary Source Seminar

Credit Hours: 3
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.

Prerequisite: HST 210.
Lecture contact hours: 3

Typically offered: Demand

HST 394 - World History Primary Source Seminar

Credit Hours: 3
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.

Prerequisite: HST 210.
Lecture contact hours: 3

Typically offered: Demand

HST 395 - Spanish Conquest and Colonization in the Americas, 1492-1700

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

HST 397 - Special Topics in History

Credit Hours: 1-3
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 to a maximum of six hours as topics change.

Recommended Prerequisite: 3 hours of history.

Typically offered: Demand

HST 399 - Internship in Public History

Credit Hours: 1-3
Supervised and approved work in oral history or a public or private agency which manages a museum, archive, or historic site. Additionally, students may work with a faculty member or member of the public history community in an internship, presuming the work is focused on skill development or job training. One credit hour is awarded for each 40 hours of service. May be repeated for credit but only six hours may be counted toward the BA, BS, or BSEd in History.

Prerequisite: permission.
Typically offered: Fall, Spring, Summer

HST 417 - Methods of Teaching Secondary Social Studies I

Credit Hours: 3
This course introduces students to the theory and methods of teaching social studies on the secondary level in a diverse society. Course topics include the history of the social studies; application of disciplinary thinking to instructional planning; culturally responsive teaching in the social studies classroom; teaching social studies through inquiry; aligning standards, objectives, and instruction; and assessment, student data, and data-based decision making in the social studies classroom.

Prerequisite: admission to Teacher Education.
Lecture contact hours: 3

Typically offered: Fall, Spring

HST 418 - Methods of Teaching Secondary Social Studies II

Credit Hours: 4
This course engages students in the application of social studies teaching methods in secondary classrooms. Course topics include the development and application of differentiated instruction in the social sciences; lesson and unit planning in diverse contexts; culturally responsive classroom management; application of inquiry and inquiry-based assessments in the social studies classroom; and advanced practice in aligning standards, objectives, and instruction. Completion of minimum of 45 hour practicum assigned at Greenwood Laboratory School or Springfield area secondary school is required. A C grade 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.

Prerequisite: 12 hours in history; and HST 417 and EDC 350 and SEC 302 and SPE 340; and current preprofessional liability insurance; and admission to Teacher Education.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

HST 420 - Supervised Teaching (Secondary Social Studies)

Credit Hours: 6
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.

Prerequisite: HST 418; and C grade or better in all professional education courses; and current pre-professional liability insurance; and approval for supervised teaching.

Corequisite: HST 421
Typically offered: Fall, Spring

HST 421 - Supervised Teaching (Secondary Social Studies)

Credit Hours: 6
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.

Prerequisite: concurrent enrollment in HST 420.
Corequisite: HST 420
Typically offered: Fall, Spring

HST 422 - Supervised Teaching (Secondary Social Studies)

Credit Hours: 5-10
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.

Prerequisite: HST 199 and HST 418; and C grade or better in all professional education courses; and minimum GPA of 3.00 Social Sciences; and current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in HST 423.
Corequisite: HST 423
Typically offered: Fall, Spring

HST 423 - Seminar in Supervised Teaching

Credit Hours: 2
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.

Prerequisite: HST 418; and C grade or better in all professional education courses; and minimum GPA of 3.00 in Social Sciences; and approval for supervised teaching; and concurrent enrollment in HST 422.
Corequisite: HST 422
Lecture contact hours: 2

Typically offered: Fall, Spring

HST 496 - Independent Readings in History

Credit Hours: 1-3
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. Areas offered for independent readings: United States, Latin American, Ancient, Medieval, European, Asian and African history. May be

repeated to a maximum of six hours

Prerequisite: permission of instructor and department head.
Typically offered: Demand

HST 499 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

HST 504 - Global Terrorism

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

HST 509 - Indian History

Credit Hours: 3
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 509 and HST 609.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Fall

HST 510 - The Plains Indians

Credit Hours: 3
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 510 and HST 611.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Spring

HST 514 - 17th-19th Century British Atlantic

Credit Hours: 3
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.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 515 - American Environmental History

Credit Hours: 3
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 515 and HST 615.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 516 - American Religious History

Credit Hours: 3
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.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Spring

HST 517 - Legal and Constitutional History of the United States

Credit Hours: 3
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 517 and HST 617.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 518 - Colonial America

Credit Hours: 3
Character, development and modification of the English Empire in North America. May be taught concurrently with HST 618. Cannot receive credit for both HST 518 and HST 618.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 519 - The American Revolution

Credit Hours: 3
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 519 and HST 619.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 521 - Early American Republic

Credit Hours: 3
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 521 and HST 621.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 523 - Nineteenth Century America

Credit Hours: 3
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 523 and HST 623.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 524 - Civil War and Reconstruction

Credit Hours: 3
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 524 and HST 624.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 525 - Gilded Age/Progressive Era America, 1865-1920

Credit Hours: 3
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 525 and HST 625.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 528 - U.S. History Since 1945

Credit Hours: 3
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 528 and HST 628.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 529 - Plagues and Pandemics

Credit Hours: 3
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.

Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Spring

HST 531 - African American Leaders and Movements

Credit Hours: 3
Study of African American leaders and movements in the United States, with emphasis on the period since World War II. Identical with AAS 531. Cannot receive credit for both HST 531 and AAS 531. May be taught concurrently with HST 631. Cannot receive credit for both HST 531 and HST 631.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 532 - History of Ancient Egypt

Credit Hours: 3
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. Identical with AAS 532 . Cannot receive credit for both AAS 532 and HST 532. May be taught concurrently with HST 632. Cannot receive credit for both HST 532 and HST 632.

Recommended Prerequisite: HST 103.

Lecture contact hours: 3

Typically offered: Demand

HST 536 - History of Missouri

Credit Hours: 3
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 536 and HST 636.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 537 - History of the American West

Credit Hours: 3
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 537 and HST 637.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 538 - History of the American South, 1607-Present

Credit Hours: 3
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 538 and HST 638.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 541 - The Ancient Near East to 1200 BCE

Credit Hours: 3
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 541 and HST 641.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Fall

HST 542 - Ancient Israel

Credit Hours: 3
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 542 and HST 642.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Spring

HST 543 - Nationalism, Sectarianism, and Conflict in the Middle East

Credit Hours: 3
This course will focus on the origins and development of various ethnonational and sectarian conflicts in the Middle East during the nineteenth and twentieth centuries. This includes the Armenian question, the Israeli-Palestinian dispute, and the Kurdish issue. May be taught concurrently with HST 643. Cannot receive credit for both HST 543 and HST 643.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 545 - Medieval Europe

Credit Hours: 3
This course explores the history of Europe between the 5th and 15th centuries, from the collapse of the Western Roman Empire to the end of the Hundred Years War. Topics covered include the Germanic migrations; the spread of Christianity; the rise and fall of the Carolingian Empire; monastic life; feudal monarchy in France and England; conflicts between secular and ecclesiastical authority; the crusades; heresy and the papal inquisition; Jewish, Christian, and Muslim interaction; the movement of people, objects, and ideas between Europe and neighboring regions; and the Black Death and other crises of the late Middle Ages. May be taught concurrently with HST 645. Cannot receive credit for both HST 545 and HST 645.

Prerequisite: 50 hours.
Recommended Prerequisite: HST 103.

Lecture contact hours: 3

Typically offered: Fall

HST 548 - The Renaissance

Credit Hours: 3
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 548 and HST 648.

Prerequisite: 50 hours.
Recommended Prerequisite: HST 103.

Lecture contact hours: 3

Typically offered: Demand

HST 549 - The Reformation

Credit Hours: 3
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 549 and HST 649.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 553 - History of Europe in the 19th Century, 1815-1918

Credit Hours: 3
Forces unleashed by the French Revolution and other movements, including liberalism, reaction, nationalism, industrialization, and imperialism. May be taught concurrently with HST 653. Cannot receive credit for both HST 553 and HST 653.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 555 - Europe in the 20th Century

Credit Hours: 3
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.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 559 - Germany, 1815-Present

Credit Hours: 3
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 559 and HST 659.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 562 - Communism in Eastern Europe, 1917-1990

Credit Hours: 3
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.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 563 - History of Fascism

Credit Hours: 3
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.

Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Demand

HST 564 - History of the Holocaust

Credit Hours: 3
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.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 566 - Victorian and Edwardian England

Credit Hours: 3
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 566 and HST 666.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 567 - Race and Gender in the British Empire

Credit Hours: 3
In the aftermath of Brexit and with new attention directed to the legacies of colonization in and outside the classroom by movements such as Black Lives Matter, the history of the British Empire has become increasingly scrutinized. This course seeks to dispel the myths of imperial nostalgia and white exceptionalism by offering new approaches to doing imperial history, specifically through the lens of race and gender. Course will prioritize otherwise-silenced voices of women, as well as Black and indigenous persons of color. Course will seek to examine the formation of identities between colonizer and the colonized, and how these racialized and gendered identities were constantly challenged over time. May be taught concurrently with HST 667. Cannot receive credit for both HST 567 and HST 667.

Lecture contact hours: 3

Typically offered: Demand

HST 569 - The Material Worlds of Antiquity: Archaeology and Ancient History

Credit Hours: 3
The study of the past is built largely upon written sources -- i.e. histories, decrees, tax receipts, wills, letters, religious

literature. In fact, for many "History" begins with writing, regulating earlier human events to the category of "prehistory". Whether "prehistoric" or "historic", however, texts only provide partial insight into the ancient world and its inhabitants. Archaeology has become an invaluable tool for histories of all periods, but especially for ancient history. This course seeks to better understand ancient history -- specifically, the histories of Egypt, the Near East, Greece, and Rome -- from an archaeological perspective. This course is not a survey, but rather will focus on particular historical moments, people, and places, relying on archaeological evidence to elucidate and/or complicate ancient histories. Texts will still be considered, but will be treated as artifacts alongside other objects, monuments, and sites from antiquity. In addition to learning about the histories of ancient peoples from across the Mediterranean, Middle East, and North Africa, this course will also introduce students to archaeological theories, practices, and technologies, as they relate to the study of the ancient past. May be taught concurrently with HST 669. May not receive credit for both HST 569 and HST 669.

Lecture contact hours: 3

Typically offered: Demand

HST 571 - China in the Twentieth Century

Credit Hours: 3
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 571 and HST 671.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 572 - Gender and Sexuality in Modern East Asia

Credit Hours: 3
This course explores the formation, institutionalization, and ongoing negotiation of gendered discourses and practices in China, Japan, and Korea from the late imperial period until the present. Drawing on a range of sources, including literature, images, and films, students will analyze the ways in which changing conceptions of gender and sexuality have informed the legal system, medicine, political movements, and economic formations in East Asia, among others. May be taught concurrently with HST 672. Cannot receive credit for both HST 572 and HST 672.

Lecture contact hours: 3

Typically offered: Demand

HST 574 - Jordan Archaeology Education Abroad

Credit Hours: 3
This course is a formal archaeological field school--with field, lab, and classroom components--held on-site in Jordan as an Education Abroad opportunity 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. 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.

Prerequisite: permission of instructor.
Recommended Prerequisite: HST 103.

Typically offered: Summer

HST 587 - Mexico from Colony to Nation

Credit Hours: 3
Mexican history from the colonial period to the Revolution of 1910. May be taught concurrently with HST 682. Cannot receive credit for both HST 587 and HST 682.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 588 - Twentieth-Century Mexico

Credit Hours: 3
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 588 and HST 688.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 597 - Topics in History

Credit Hours: 1-3
The topics studied will change from term to term depending on the interests of professors and students. Variable content course. May be repeated as topics change. May be taught concurrently with HST 697. Cannot receive credit for both HST 597 and HST 697.

Prerequisite: 50 hours.
Typically offered: Demand

HST 598 - Senior Seminar in History

Credit Hours: 3
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.

Prerequisite: HST 390; and Writing II or concurrent enrollment; and 90 hours.
Lecture contact hours: 3

Typically offered: Demand

HST 599 - Internship in Public History

Credit Hours: 1-3
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 three 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 599 and HST 698.

Prerequisite: 60 hours and permission of the department head and host institution.
Typically offered: Demand

Honors College

UHC 110 - Freshman Honors Seminar

Credit Hours: 2
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.

Lecture contact hours: 2

Typically offered: Fall

UHC 300 - Honors Service-Learning

Credit Hours: 1
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.

Prerequisite: 30 hours; and concurrent registration in a course designated as a service-learning offering; open to Honors College members only.
Typically offered: Fall, Spring, Summer

UHC 350 - Honors Study Abroad

Credit Hours: 3
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.

Prerequisite: permission; open to Honors College members only.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

UHC 396 - Honors Independent Study

Credit Hours: 1-3
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.

Prerequisite: permission; open to Honors College members only.
Typically offered: Demand

UHC 397 - Honors Colloquia

Credit Hours: 3
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.

Prerequisite: 50 hours or permission; open to Honors College members only.
Lecture contact hours: 3

Typically offered: Fall, Spring

UHC 398 - Honors Undergraduate Research

Credit Hours: 1-3
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.

Prerequisite: permission; open to Honors College members only.
Typically offered: Demand

UHC 399 - Honors Internship/Apprenticeship

Credit Hours: 3
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.

Prerequisite: permission of supervising instructor, the Honors College and the host institution; open to Honors College members only.
Lecture contact hours: 3

Typically offered: Demand

UHC 410 - Senior Honors Seminar

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

UHC 499 - Honors Distinction Project

Credit Hours: 3-4
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 to a maximum of eight hours.

Prerequisite: permission; open to Honors College members only.
Typically offered: Demand

Interdisciplinary Studies

IDS 101 - Interdisciplinary Seminar

Credit Hours: 1-3
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.

Typically offered: Demand

IDS 102 - Exploring Public Affairs

Credit Hours: 1
The Public Affairs Mission at Missouri State University sets our education apart and encourages students to use their knowledge and skills to make a positive impact in our world. This course provides the foundation for understanding and applying the three pillars of our Public Affairs Mission - ethical leadership, cultural consciousness, and community engagement. Students will gain an understanding of the connections between the underlying concepts of the pillars and the ways in which public affairs may be enacted in the community. As informed citizens, students will understand the significance and relevance of public issues and public affairs actions they may take in their personal and developing

professional lives. Cannot receive credit for both IDS 102 and IDS 302. First-year students will register for IDS 102 and those with more than 60 hours will register for IDS 302.

Lecture contact hours: 1

Typically offered: Fall, Spring, Summer

IDS 118 - Enhancing Learning Techniques for College and Life

Credit Hours: 1
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 LTC 107.

Lecture contact hours: 1

Typically offered: Fall, Spring

IDS 120 - Exploring Majors and Careers

Credit Hours: 1-2
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.

Typically offered: Demand

IDS 250 - Special Topics: International Travel Course

Credit Hours: 1-6
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.

Typically offered: Demand

IDS 275 - Resident Assistant Seminar

Credit Hours: 1
Designed to facilitate new Resident Assistants in developing the skills necessary to work with students living in the residence halls.

Lab contact hours: 2

Typically offered: Fall, Spring

IDS 280 - Student/Life Leadership

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Spring

IDS 297 - International Culture and Study Abroad

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

IDS 302 - Exploring Public Affairs

Credit Hours: 1
The Public Affairs Mission at Missouri State University sets our education apart and encourages students to use their knowledge and skills to make a positive impact in our world. This course provides the foundation for understanding and applying the three pillars of our Public Affairs Mission - ethical leadership, cultural consciousness, and community engagement. Students will gain an understanding of the connections between the underlying concepts of the pillars and the ways in which public affairs may be enacted in the community. As informed citizens, students will understand the significance and relevance of public issues and public affairs actions they may take in their personal and developing professional lives. Cannot receive credit for both IDS 102 and 302. First-year students will register for IDS 102 and those with more than 60 hours will register for IDS 302.

Lecture contact hours: 1

Typically offered: Fall, Spring, Summer

IDS 310 - Leadership Seminar

Credit Hours: 1-2
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 maximum of six hours.

Typically offered: Demand

IDS 320 - Job Search Preparation and Career/Life Planning

Credit Hours: 2
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.

Lecture contact hours: 2

Typically offered: Fall, Spring

IDS 350 - British Life and Culture

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

IDS 397 - International Culture and Study Abroad

Credit Hours: 3
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. Variable content course. May be repeated once with content change.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

IDS 499 - Senior Integrating Experience

Credit Hours: 0
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.

Prerequisite: permission of Associate Provost for Student Development and Public Affairs.
Typically offered: Demand

Interprofessional Education

IPE 300 - Service Learning in Health Services

Credit Hours: 1
This service component of an existing course provides students with exposure to a variety of health care fields and practices, while providing a beneficial public service to the community. Students will be able to contribute in a meaningful way to the betterment of the community learning site and the clients it serves. Additionally, students will expand their experiential base and will increase their skills in critical thinking and problem solving. May be repeated.

Prerequisite: IPE 375 and admission to the Health Services program.
Typically offered: Fall, Spring

IPE 375 - Introduction to Interprofessional Health Care

Credit Hours: 3
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.

Prerequisite: 30 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

IPE 376 - Cultural Competence in Health Care

Credit Hours: 3
This course explores issues and challenges that can be encountered in the health care setting working with cultural and ethnically diverse patient populations.

Lecture contact hours: 3

Typically offered: Spring

IPE 377 - Global Issues in Health Services

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

IPE 378 - Healthcare Quality Management

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

IPE 379 - Interprofessional Perspectives on Population Health

Credit Hours: 3
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 of the interprofessional health care team in improving the health of the public.

Lecture contact hours: 3

Typically offered: Spring

IPE 381 - Statistics for the Health Professions

Credit Hours: 3
This course introduces 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, SPR 328, or SOC 220.

Prerequisite: 30 hours and the General Education Quantitative Literacy requirement.
Lecture contact hours: 3

Typically offered: Fall, Spring

IPE 382 - Introduction to Health Insurance and Managed Care

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

IPE 413 - Informatics and Terminology in Healthcare

Credit Hours: 3
This course will cover various aspects of health informatics and data collection, storage, retrieval, and analysis. Special focus on widely available informatic systems, medical terminology, and their application to the healthcare field. Identical with ATC 413. Cannot receive credit for both IPE 413 and ATC 413.

Lecture contact hours: 3

Typically offered: Fall

IPE 470 - Foundations of Patient Safety for Health Professionals

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

IPE 475 - Evidence-Based Health Care Practice

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

IPE 540 - Foundations of Social and Behavioral Health

Credit Hours: 3
This course will introduce students to the basic foundational principles of social and behavioral health. Students will be exposed to the differences between public, community and individual health, frameworks to both understand and address health issues, social determinants of health and behavior change theory with a focus on interprofessional cultural competence. May be taught concurrently with HLH 640. Cannot receive credit for both IPE 540 and HLH 640.

Lecture contact hours: 3

Typically offered: Fall

IPE 575 - Collaborative Health Care Leadership

Credit Hours: 3
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.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

IPE 576 - Professional Issues in Health Services

Credit Hours: 3
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.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall

IPE 599 - Health Literacy in the Human Services

Credit Hours: 3
This 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; may be taught concurrently with SWK 696 or PBH 699. May only receive credit for one of the following: IPE 599, SWK 599, SWK 696, or PBH 699.

Lecture contact hours: 3

Typically offered: Fall, Spring

Information Technology and Cybersecurity

ITC 200 - Critical and Creative Thinking Using Information Technology

Credit Hours: 3
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.

Prerequisite: 12 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 201 - Computer Applications for Business

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 205 - Web Site Design and Development

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 235 - Computer Hardware and Operating Systems

Credit Hours: 3
Introduction to computer hardware and operating systems. Topics include components of a computer, the Windows operating system, and the Linux operating system.

Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 260 - Programing Logic and Design for Business

Credit Hours: 3
This course introduces students to business problem-solving techniques using a computer programming language. Topics include the problem-solving process, control structures, functional decomposition, and data structures. Upon completion, students should be able to create basic applications for business using a programming language.

Prerequisite: MTH 134 or higher.
Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 290 - Advanced Microcomputer Applications

Credit Hours: 3
Emphasis on problem-solving activities using advanced applications such as word processing, desktop publishing, database, graphics, and multimedia.

Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 295 - Database Management Systems Concepts and Design

Credit Hours: 3
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.

Prerequisite: MTH 134 or higher.
Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 330 - Introduction to Networking

Credit Hours: 3
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.

Prerequisite: ITC 235; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 353 - Data Mining

Credit Hours: 3
This course explores the use of descriptive and predictive data mining techniques to solve modern business issues. Students will learn to uncover important patterns and relationships in complex organizational data. Emphasis will be placed on the evaluation, selection, and application of primary data mining methods such as cluster analysis, classification and regression trees (CART), random forest models, and association rules, among others. Students will experience the application of these techniques to business scenarios through case studies and hands-on exercises. Upon completing this course, students will be able to effectively apply data mining techniques to business decision-making, an essential skill in the data analytics profession.

Prerequisite: QBA 237 ; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ITC 360 - Fundamentals of Cybersecurity

Credit Hours: 3
The course is an introduction to the basic issues in cybersecurity. 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.

Prerequisite: ITC 330 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ITC 362 - Mobile App Development

Credit Hours: 3
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.

Prerequisite: ITC 260.
Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 366 - Introduction to .Net Development with C#

Credit Hours: 3
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.

Prerequisite: ITC 260.
Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 370 - Introduction to Web Development

Credit Hours: 3
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). Additional new technologies in web development may also be presented.

Prerequisite: ITC 260; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

ITC 388 - Information Systems Analysis and Design

Credit Hours: 3
A study of the analysis and design of computer information systems covering applications, data, and infrastructure.

Prerequisite: ITC 235 or ITC 260 or ITC 295 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 389 - Digital Business Transformation

Credit Hours: 3
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.

Prerequisite: undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ITC 394 - Cooperative Education in Information Technology and Cybersecurity

Credit Hours: 1-3
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.

Prerequisite: acceptance into Cooperative Education Program and permission of department head; and undergraduate business majors must be admitted to degree program.
Typically offered: Fall, Spring

ITC 397 - Topics in Information Technology and Cybersecurity

Credit Hours: 1-3
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.

Prerequisite: permission; and undergraduate business majors must be admitted to degree program.
Typically offered: Fall, Spring

ITC 420 - IT Project Management

Credit Hours: 3
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.

Prerequisite: undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

ITC 429 - Information Systems with Business Intelligence

Credit Hours: 3
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.

Prerequisite: ITC 201; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 430 - Advanced Networking

Credit Hours: 3
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.

Prerequisite: ITC 330; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ITC 466 - Advanced .Net Development with C#

Credit Hours: 3
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.

Prerequisite: ITC 295 and ITC 366; and ITC 388 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 475 - Advanced Web Development

Credit Hours: 3
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).

Prerequisite: ITC 295 and ITC 370; and ITC 388 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

ITC 494 - Internship in Information Technology and Cybersecurity

Credit Hours: 1-3
A work-study program providing students an opportunity to earn course credit while working in the Information Technology field. Students will 1) gain valuable, first-hand work experience as an employee, 2) network with Information Technology professionals, and 30 enhance prior classroom learnings by applying their knowledge and skills in actual work situation. Students must complete the minimum expected number of on-site contact hours and complete a portfolio of course assignments as determined by the course instructor. Students are responsible for acquiring a qualifying employment opportunity prior to enrollment. Graded Pass/Not Pass only. May be repeated to a maximum of three hours.

Prerequisite: permission of department head; and undergraduate business majors must be admitted to degree program.
Typically offered: Fall, Spring

ITC 495 - Advanced Data Management and Integration

Credit Hours: 3
The study of advanced data design, integration, management, optimization and dissemination from the perspective of the data manager is essential for students pursuing degrees in Data Analytics, IT Infrastructure, and Application Development. This course provides an in-depth exploration of data quality, data cleansing, and data integration optimization. Particular attention will be given to Extract, Transformation, and Load (ETL) processes, with a focus on

ensuring efficient and seamless data flow. Through hands-on practice, students will become familiar with advanced data architectures and integration modeling designs, equipping them with best practices to ensure data integrity and quality in their respective fields.

Prerequisite: ITC 295; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ITC 528 - Database Application Development with Oracle

Credit Hours: 3
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, Pl/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 ITC 628. Cannot receive credit for both ITC 528 and ITC 628.

Prerequisite: ITC 260 and ITC 295; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 535 - Machine Learning

Credit Hours: 3
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.

Prerequisite: undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ITC 545 - Data Infrastructure for Data Analytics

Credit Hours: 3
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 ITC 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 ITC 545 and ITC 645.

Prerequisite: ITC 295 and QBA 237; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 555 - Data Visualization

Credit Hours: 3
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 ITC 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 ITC 555 and 655.

Prerequisite: QBA 237; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

ITC 563 - Introduction to Network Security

Credit Hours: 3
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.

Prerequisite: ITC 360; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ITC 564 - Introduction to Ethical Hacking

Credit Hours: 3
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.

Prerequisite: ITC 360; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ITC 565 - Computer Forensics

Credit Hours: 3
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 ITC 765. Cannot receive credit for both ITC 565 and ITC 765.

Prerequisite: ITC 360; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ITC 566 - Web Application Security

Credit Hours: 3
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.

Prerequisite: ITC 360; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ITC 580 - Fundamentals of Blockchain Technology

Credit Hours: 3
This class explores the fundamental components and architecture of blockchain technology. Students will obtain a basic understanding of the blockchain technology, its history and current developments, and business/technical challenges and emerging solutions. Students will have a hands-on building experience of blockchain applications, learn how blockchain technology works with various programming languages, and explore current protocols and platforms of blockchain. Topics covered include components of Blockchain applications (consensus protocols, distributed ledgers, digital assets, smart contracts, cryptography, etc.); characteristics of different types of blockchains (permissioned vs. permissionless; public vs. private; etc.); and use cases (Blockchain vs. traditional distributed databases, etc.). May be taught concurrently with ITC 680. Cannot receive credit for both ITC 580 and ITC 680.

Prerequisite: ITC 260 and QBA 237; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ITC 581 - Data Analytics for Business Decision Making

Credit Hours: 3
This course provides a foundational overview of Data Analytics (DA), which enables enterprise clarity by defining data-driven insights and recommending solutions that deliver value to stakeholders. Topics covered in the course include foundational principles of data-driven strategy and governance, analytics/business alignment, IT data management, and the DA process model. May be taught concurrently with ITC 681. Cannot receive credit for both ITC 581 and ITC 681.

Prerequisite: undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

ITC 583 - Cloud Computing

Credit Hours: 3
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 ITC 683. Cannot receive credit for both ITC 583 and ITC 683.

Prerequisite: undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

Interior Design and Construction

IDC 140 - Fundamentals of Design and Interiors

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

IDC 201 - Studio I

Credit Hours: 3
Space planning and design for both residential design and commercial design. This course will cover interior design specifications, material, and green design.

Prerequisite: IDC 140.
Lab contact hours: 6

Typically offered: Fall

IDC 202 - Studio II

Credit Hours: 3
Residential design projects with emphasis on color and light, presentation techniques as well as universal design.

Prerequisite: IDC 140 and IDC 201 and IDC 208.
Lab contact hours: 6

Typically offered: Spring

IDC 208 - CAD for Interior Design

Credit Hours: 3
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.

Prerequisite: IDC 140 or TCM 221.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

IDC 241 - Residential Design I

Credit Hours: 3
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.

Prerequisite: IDC 140 or concurrent enrollment.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

IDC 300 - Special Topics in Interior Design and Construction

Credit Hours: 1-3
Selected topics of contemporary interest in interior design and construction. Offered when resources and demand allow. Variable content course. May be repeated to a maximum of six hours when topics change.

Typically offered: Demand

IDC 302 - Interior Design and Construction Study Tour

Credit Hours: 1-3
Study of and visits to museums, international hospitality tours, historic sites, trade shows, conferences, and conventions related to the interior design industry. May be repeated to a maximum of six hours.

Typically offered: Demand

IDC 303 - Studio III

Credit Hours: 3
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.

Prerequisite: IDC 241.
Lab contact hours: 6

Typically offered: Fall

IDC 304 - Studio IV

Credit Hours: 3
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.

Prerequisite: IDC 201.
Lab contact hours: 6

Typically offered: Spring

IDC 325 - Pre-Internship Seminar

Credit Hours: 1
Sourcing and acquisition of an internship are examined. Includes resume writing, phone, email and correspondence etiquette, and interview skills.

Prerequisite: IDC 201 or concurrent enrollment; and IDC 241.
Lecture contact hours: 1

Typically offered: Fall

IDC 340 - Sustainable Design

Credit Hours: 3
Examines sustainable design and building practices employed in residential and commercial structures.

Lecture contact hours: 3

Typically offered: Demand

IDC 344 - Historical Design Pre 19th Century

Credit Hours: 3
Ancient, Medieval, and Renaissance art, furnishings, and decorative design with emphasis on historical relevance for the 21st century.

Lecture contact hours: 3

Typically offered: Fall

IDC 346 - Historical Design: 19th - 21st Century

Credit Hours: 3
An overview of interiors, furnishings, and related structure design during the 19th - 21st century with emphasis on historical relevancy for the 21st century.

Lecture contact hours: 3

Typically offered: Spring

IDC 400 - Problems in Interior Design and Construction

Credit Hours: 1-3
Independent study for those who wish additional work in specific subject areas.

Typically offered: Demand

IDC 405 - Studio V

Credit Hours: 3
Retail design and display and presentation techniques design from store planning to merchandise display.

Prerequisite: IDC 140.
Lab contact hours: 6

Typically offered: Fall

IDC 406 - Studio VI

Credit Hours: 3
Advanced presentation techniques, digital portfolio and models.

Prerequisite: IDC 208.
Lab contact hours: 6

Typically offered: Spring

IDC 408 - Computer Applications for Interior Design

Credit Hours: 3
Various computer programs with an emphasis on presentation and portfolios.

Prerequisite: IDC 208.
Lab contact hours: 6

Typically offered: Spring

IDC 424 - Business Practices

Credit Hours: 2
Business principles and practices of interior design and Senior Show.

Prerequisite: IDC 201 and IDC 405 and LAW 231 ; and ACC 201 or MKT 350 ; and 90 hours.
Lecture contact hours: 2

Typically offered: Spring

IDC 441 - National Council of Interior Design Qualifications (NCIDQ) and Senior Show

Credit Hours: 2
Study of NCIDQ written and practical exams.

Prerequisite: IDC 201 and IDC 405; and 90 hours.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring

IDC 499 - Internship in Interior Design

Credit Hours: 4-6
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.

Prerequisite: IDC 201 and IDC 241 and IDC 325.
Typically offered: Summer, Demand

Italian

ITL 101 - Elementary Italian I

Credit Hours: 3
CORE 42: MOTR number LANG 105 - Foreign Language 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.

Lecture contact hours: 3

Typically offered: Fall

Access the CORE 42 Portal

ITL 102 - Elementary Italian II

Credit Hours: 3
CORE 42: MOTR number LANG 106 - Foreign Language II.

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.

Prerequisite: C or better in ITL 101.
Lecture contact hours: 3

Typically offered: Spring

Access the CORE 42 Portal

ITL 201 - Intermediate Italian I

Credit Hours: 3
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.

Prerequisite: C or better in ITL 102.
Lecture contact hours: 3

Typically offered: Demand

ITL 202 - Intermediate Italian II

Credit Hours: 3
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.

Prerequisite: C or better in ITL 201.
Lecture contact hours: 3

Typically offered: Demand

ITL 297 - Special Topics in Italian

Credit Hours: 1-6
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. Variable content course. May be repeated to a maximum of six hours as topics change.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

Japanese

JPN 101 - Elementary Japanese I

Credit Hours: 3
CORE 42: MOTR number LANG 105 - Foreign Language 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.

Lecture contact hours: 3

Typically offered: Fall

Access the CORE 42 Portal

JPN 102 - Elementary Japanese II

Credit Hours: 3
CORE 42: MOTR number LANG 106 - Foreign Language II.

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.

Prerequisite: C or better in JPN 101.
Lecture contact hours: 3

Typically offered: Spring

Access the CORE 42 Portal

JPN 201 - Intermediate Japanese I

Credit Hours: 3
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.

Prerequisite: C or better in JPN 102.
Lecture contact hours: 3

Typically offered: Fall

JPN 202 - Intermediate Japanese II

Credit Hours: 3
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.

Prerequisite: C or better in JPN 201.
Lecture contact hours: 3

Typically offered: Spring

JPN 297 - Special Topics in Japanese

Credit Hours: 1-6
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. Variable content course. May be repeated to a maximum of six hours as topics change.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

JPN 311 - Japanese Reading and Conversation

Credit Hours: 3
This course is designed to further develop and refine students' reading and speaking skills through readings of short texts, group discussions, and free conversation. Variable content course. May be repeated to a maximum of six hours as content changes.

Prerequisite: JPN 202.
Lecture contact hours: 3

Typically offered: Demand

JPN 312 - Japanese Reading and Composition

Credit Hours: 3
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.

Prerequisite: JPN 202.
Lecture contact hours: 3

Typically offered: Demand

JPN 410 - Japanese Translation

Credit Hours: 3
This course will focus on an introduction to concepts and techniques for translating Japanese from authentic sources found in daily life, such as news reports or websites, and document types related to a variety of career fields. Students will learn key general elements related to professional translation as well as language-specific considerations. Variable content course. May be repeated once with different content.

Prerequisite: JPN 312 or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

JPN 415 - Professional and Business Japanese

Credit Hours: 3
This course will focus on an introduction to Japanese language and culture as used in business and other professional contexts. Students will learn key elements of social interactions, presentations, documents, and Japanese language use common in the workplace. Variable content course. May be repeated once with different content.

Prerequisite: JPN 312 or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

JPN 498 - Seminar Course in Japanese

Credit Hours: 3
Supervised independent study in Japanese literature, linguistics, current events or other restricted topics. May be repeated to a maximum of six hours.

Prerequisite: JPN 312 or permission of instructor or department head.
Lecture contact hours: 3

Typically offered: Demand

Journalism

JRN 270 - Introduction to Journalism

Credit Hours: 3
Study of the purposes and forms of journalism. Includes writing the basic types of stories. Typing skills required.

Prerequisite: Eligibility for ENG 110.
Lecture contact hours: 3

Typically offered: Fall, Spring

JRN 300 - Special Topics in Journalism

Credit Hours: 1-3
A curse upon a single topic of current interest. May be repeated to a maximum of six hours with permission if topics are different.

Typically offered: Demand

JRN 305 - Service-Learning in Journalism

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in a journalism course designated as a service-learning offering.
Typically offered: Fall, Spring

JRN 370 - News Reporting and Writing

Credit Hours: 3
Instruction and practice in gathering news material, writing news reports, and editing copy. Includes introduction to news beats and specialized reporting techniques.

Prerequisite: JRN 270.
Lecture contact hours: 3

Typically offered: Fall, Spring

JRN 374 - Opinion Writing

Credit Hours: 3
Instruction and practice in writing editorials, opinion columns, news analyses and critical reviews.

Prerequisite: JRN 270.
Lecture contact hours: 3

Typically offered: Spring Even

JRN 375 - Feature Writing

Credit Hours: 3
Practice in writing feature articles for print and online publications, including human interest stories, news features, personality profiles, how-to articles and historical pieces.

Prerequisite: JRN 270.
Lecture contact hours: 3

Typically offered: Fall Even

JRN 376 - Business Reporting

Credit Hours: 3
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.

Prerequisite: JRN 270.
Lecture contact hours: 3

Typically offered: Fall Odd

JRN 381 - Broadcast News Writing

Credit Hours: 3
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.

Prerequisite: JRN 270.
Lecture contact hours: 3

Typically offered: Fall, Spring

JRN 384 - Broadcast Performance

Credit Hours: 3
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.

Prerequisite: JRN 270.
Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Spring

JRN 388 - Electronic News Gathering

Credit Hours: 3
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.

Prerequisite: JRN 381.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

JRN 407 - Media Law

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

JRN 476 - Copy Editing and Design

Credit Hours: 3
Principles and practices of copy-editing and rewriting news stories, headline writing, use of graphics, and makeup for print and online newspapers.

Prerequisite: JRN 270.
Lecture contact hours: 3

Typically offered: Fall

JRN 478 - Mobile Journalism

Credit Hours: 3
Instruction and practice in multimedia reporting and publishing for mobile screens, including digital still photography, video, audio, social media, and text. The course will also address content management systems for the web, compatibility for mobile display, ethics, and legal concerns. Note: Students must have a current smartphone.

Prerequisite: JRN 270.

Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Fall, Spring

JRN 481 - Multi-platform News Producing

Credit Hours: 3
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.

Prerequisite: JRN 381.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

JRN 492 - Independent Study in Journalism

Credit Hours: 1-3
Supervised independent study exploring topics determined by the student in consultation with journalism faculty member. May be repeated to a maximum of six hours with permission of the department.

Prerequisite: JRN 270 and permission of instructor.
Typically offered: Demand

JRN 493 - Practicum in Journalism

Credit Hours: 1-3
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 maximum of six hours with permission of the department when project is different.

Prerequisite: permission of instructor.
Typically offered: Demand

JRN 572 - Public Affairs Reporting

Credit Hours: 3
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.

Prerequisite: JRN 370.
Lecture contact hours: 3

Typically offered: Spring

JRN 590 - Issues in Journalism

Credit Hours: 3
A variable content course addressing topics of current interest as well as timeless issues. May be repeated to a maximum of six hours with permission if topic is different. May be taught concurrently with JRN 690. Cannot receive credit for both JRN 590 and JRN 690.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Demand

JRN 592 - Newscast Practicum

Credit Hours: 3
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 maximum of six hours.

Prerequisite: JRN 384 and JRN 388 and permission of instructor.
Lab contact hours: 6

Typically offered: Spring

JRN 595 - Journalism Internship

Credit Hours: 1-6
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 maximum of six hours.

Prerequisite: 60 hours and permission of instructor.
Typically offered: Fall, Spring

Kinesiology

KIN 101 - Beginning Swimming

Credit Hours: 1
Designed to teach novice swimmer basic swimming skills.

Lab contact hours: 2

Typically offered: Demand

KIN 102 - Intermediate Swimming

Credit Hours: 1
Review of basic strokes. Instruction in competitive strokes. Basic diving instruction. May be repeated to a maximum of two hours.

Prerequisite: KIN 101 or demonstrate swimming skill first day of class; first aid and CPR certification.
Lab contact hours: 2

Typically offered: Summer

KIN 103 - Lifesaving

Credit Hours: 1
Development of personal safety skills and techniques of aquatic rescue for lifeguarding; certification in American Red Cross Life Guard Training may be obtained.

Prerequisite: KIN 102 or demonstrate swimming skill first day of class, first aid and CPR certification.
Lab contact hours: 2

Typically offered: Demand

KIN 104 - Water Safety Instruction

Credit Hours: 1
Prepares the student for complete American Red Cross Water Safety Instruction Certificate.

Prerequisite: KIN 103 and permission of instructor.
Lab contact hours: 2

Typically offered: Spring

KIN 105 - Alpine Skiing

Credit Hours: 1
Fundamental skills of alpine skiing; required Student Union ski trip for the purpose of instruction and practice on snow.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Fall

KIN 106 - Sailing

Credit Hours: 1
Development of skills and knowledge of sailing.

Prerequisite: demonstrate swimming skill first day of class.
Lab contact hours: 2

Typically offered: Fall, Spring

KIN 107 - Intermediate Sailing

Credit Hours: 1
The course includes a refinement of basic skills and discussion of sailing theory and sailboat racing tactics. May be repeated to a maximum of two hours.

Prerequisite: KIN 106 or comparable skill and swimming skills.
Lab contact hours: 2

Typically offered: Fall, Spring

KIN 109 - Cycling

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Demand

KIN 110 - Backpacking

Credit Hours: 1
Backpacking as a lifetime leisure activity. Emphasis on equipment, safety, techniques, and trip planning. Field trips required.

Lab contact hours: 2

Typically offered: Demand

KIN 111 - Beginning Badminton

Credit Hours: 1
Fundamentals of grip, stance, footwork and badminton strokes.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 112 - Beginning Handball

Credit Hours: 1
Rules, techniques and strategy of four wall handball.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 113 - Beginning Racquetball

Credit Hours: 1
Fundamental skills, rules, techniques and strategy of racquetball.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 114 - Canoeing

Credit Hours: 1
River canoeing as a lifetime leisure activity. Emphasis on safety, techniques, trip planning, and equipment. Field trips required.

Prerequisite: demonstrate swimming skill first day of class.
Lab contact hours: 2

Typically offered: Demand

KIN 118 - Bowling

Credit Hours: 1
History, fundamental skills, techniques, terminology, rules, strategy and safety skills of bowling.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 120 - Beginning Gymnastics

Credit Hours: 1
Emphasis on skill progressions in tumbling and vaulting with an introduction to apparatus and balance work. Principles of training, conditioning, and spotting included.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 121 - Intermediate to Advanced Gymnastics

Credit Hours: 1
Emphasis on skill progressions for the Olympic events. Principles of training, conditioning, and spotting are included. May be repeated to a maximum of three hours.

Prerequisite: KIN 120.
Lab contact hours: 2

Typically offered: Fall, Spring

KIN 122 - Fencing

Credit Hours: 1
History, fundamental skills, techniques, terminology, nomenclature, rules, strategy and safety skills of fencing.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 123 - Intermediate Fencing

Credit Hours: 1
Advanced compound offenses and defenses; detailed work on competitive techniques. May be repeated to a maximum of two hours.

Prerequisite: KIN 122.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 124 - Techniques and Principles of Hunting and Fishing

Credit Hours: 1
Skills and safety factors of hunting and fishing; Missouri hunting, fishing, and conservation laws and principles upon which these laws are founded.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 125 - Aerobic Dance

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 126 - Folk and Square Dance

Credit Hours: 1
Understanding folk and square dance skills, directional patterns, structure.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 127 - Weight Training

Credit Hours: 1
Scientifically founded isotonic and isometric weight training programs; development of cardiovascular and muscular endurance, strength and flexibility.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 128 - Western Square Dance

Credit Hours: 1
Review of the 50 basics and introduction to the 25 extended basic skills and patterns of Western Square Dance.

Lab contact hours: 2

Typically offered: Demand

KIN 130 - Adapted Physical Activity

Credit Hours: 1
Adapted physical activity to meet the needs of students with disabilities and other physical limitations. May be repeated for credit.

Prerequisite: physician's approval.
Lab contact hours: 2

Typically offered: Fall, Spring

KIN 133 - Volleyball

Credit Hours: 1
Basic skills of power volleyball.

Lab contact hours: 2

Typically offered: Demand

KIN 135 - Selected Activities

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Demand

KIN 136 - Ballroom Dance

Credit Hours: 1
Ballroom dances: technique, lead and style.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 138 - Archery

Credit Hours: 1
Cultural aspects of archery throughout history; target archery, field archery, bowhunting and bowfishing.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 143 - Beginning Tennis

Credit Hours: 1
Fundamental tennis skills and mechanical principles. Rules, courtesies and etiquette.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 144 - Intermediate Tennis

Credit Hours: 1
Instruction in intermediate and advanced elements of strokes and strategy used in singles and doubles. May be repeated to a maximum of two hours.

Prerequisite: KIN 143.
Lab contact hours: 2

Typically offered: Fall, Spring

KIN 145 - Beginning Golf

Credit Hours: 1
Choice and use of clubs, form to be used, rules and courtesies of golf.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 146 - Intermediate Golf

Credit Hours: 1
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 repeated to a maximum of two hours.

Prerequisite: KIN 145.
Lab contact hours: 2

Typically offered: Fall, Spring

KIN 147 - Beginning Judo

Credit Hours: 1
Fundamental falling (ukemi), holding techniques (Katamewaza), basic mat and free exercises (mat randori), and history of judo.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 148 - Intermediate Judo

Credit Hours: 1
Basic throwing techniques of judo; all mat techniques required for third degree brown belt status (sankyu). May be repeated to a maximum of two hours.

Prerequisite: KIN 147 or Brown or Black Belt Ranking.
Lab contact hours: 2

Typically offered: Spring

KIN 149 - Self Defense

Credit Hours: 1
Introduction to self-defense techniques including combative and defensive stances and position, taisabaki movement, parries, counterattack movement, hold releases, attack techniques, and ground defense.

Prerequisite: KIN 147.
Lab contact hours: 2

Typically offered: Fall, Spring

KIN 200 - History and Foundations of Physical Education

Credit Hours: 3
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 C grade or better is required in this course for graduation. For students who have not earned a composite score or superscore of 17 or better on the ACT, the Missouri State Board of Education entry examination must be taken during enrollment in this course. Cannot be taken Pass/Not Pass.

Lecture contact hours: 3

Typically offered: Fall, Spring

KIN 203 - Introduction to Esports

Credit Hours: 3
This course introduces Esports. The focus of the class is on learning the Esports foundations as well as the status and progression of the industry. In this course, students will not only learn about the Esports industry, but they will also engage in the play experience and get a deeper insight into the Esports experience. In the course, students will play Esports games as gamers but will also look at the experience as coaches, and critical thinkers.

Lecture contact hours: 3

Typically offered: Fall

KIN 205 - Exercise and Training for Esports Participants

Credit Hours: 2
The focus of this course is on the health aspects of Esports participants. Students will review mental and physical training techniques. Students will explore exercise and conditioning programs as well as general wellness concepts.

Lecture contact hours: 2

Typically offered: Fall

KIN 210 - Healthy Lifestyles: Preventive Approaches

Credit Hours: 3
General Education Course: Focus on Public Issues **CORE 42:** MOTR number IDSE 102 - Wellness for the Individual.

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.

Prerequisite: 12 hours.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

Access the CORE 42 Portal

KIN 212 - Introduction to Exercise Science

Credit Hours: 3
This course is an orientation for students interested in pursuing a degree in Exercise Science. The history of, current trends, and job opportunities in Exercise Science are presented. Research methodology used in the field will be explored, including legal and ethical ramifications of using human participants, through review of current publications. Clinical programs pursued with the degree are discussed. These programs include Physical Therapy, Occupational Therapy, Athletic Training, Physician Assistant, and Chiropractic Medicine. Exercise Science majors are required to earn a C grade or better in this course.

Lecture contact hours: 3

Typically offered: Fall, Spring

KIN 218 - Organization and Administration of Intramurals

Credit Hours: 2
Organization and administration of an effective program of intramural activities for secondary and college levels.

Prerequisite: 30 hours.
Lecture contact hours: 2

Typically offered: Demand

KIN 234 - Sports Officiating

Credit Hours: 2
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.

Lecture contact hours: 2 **Lab contact hours:** 1

Typically offered: Fall, Spring

KIN 240 - Creative Dance and Movement Education

Credit Hours: 3
Creative dance and movement skills necessary for the development of the PK-2nd grade learner. Fundamental dance skills, themes, and movement concepts necessary for the early childhood educator will be covered regarding instructional practices. Coverage of basic dance styles and elements included in content.

Lecture contact hours: 3

Typically offered: Demand

KIN 250 - Applied Human Anatomy

Credit Hours: 4
CORE 42: MOTR number LIFS 105LA - Human Biology with Lab.

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 C grade or better is required in this course in order to take KIN 360.

Prerequisite: BIO 101 and BIO 111, or BIO 121, or BMS 110 and BMS 111.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

Access the CORE 42 Portal

KIN 252 - Applied Human Physiology

Credit Hours: 4
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 C grade or better is required in this course in order to take KIN 362.

Prerequisite: CHM 116 or CHM 160; and BMS 307 or C grade or better in KIN 250.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

KIN 253 - First Aid

Credit Hours: 2
First aid and civil defense knowledge; procedures in times of emergency, sickness, wounds, shock, poisoning, fractures, unconsciousness, stoppage of breathing.

Lecture contact hours: 2

Typically offered: Fall, Spring

KIN 256 - Community Health

Credit Hours: 2
School, community, state, national and international health programs; their relationship to the student; major communicable and non-communicable diseases and community health.

Lecture contact hours: 2

Typically offered: Fall, Spring

KIN 257 - Personal Health

Credit Hours: 2
Health problems; factors that contribute to development and maintenance of health for the individual living in a contemporary, automated society.

Lecture contact hours: 2

Typically offered: Fall, Spring

KIN 260 - Outdoor Leisure Education

Credit Hours: 2
Introduction to outdoor leisure skills. Selected outdoor education activities, e.g. orienteering, hiking, etc. Field trips required.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall, Spring

KIN 261 - Wrestling Techniques

Credit Hours: 1
Fundamental wrestling skills necessary for demonstration purposes in teaching-coaching situations. Recommended for men only.

Lab contact hours: 2

Typically offered: Fall

KIN 264 - Team Sports

Credit Hours: 2
Fundamental skills and techniques of basketball, field hockey, soccer/speedball, softball and volleyball; emphasis on demonstration in teaching-coaching situations.

Lab contact hours: 4

Typically offered: Fall, Spring

KIN 270 - Recreational and Aerobic Dance Techniques

Credit Hours: 1
Fundamental skills in folk, square, social, and aerobic dance necessary for demonstration purposes in teaching situations.

Lab contact hours: 2

Typically offered: Fall, Spring

KIN 273 - Aquatics

Credit Hours: 1
Emphasis on stroke mechanics for swimming and basic diving. Development of the skills necessary to demonstrate in teaching-coaching situations.

Prerequisite: demonstrate swimming skill first day of classes.
Lab contact hours: 2

Typically offered: Fall, Spring

KIN 277 - Team and Individual Sports

Credit Hours: 3
This course covers the fundamental skills and techniques involved in teaching team and individual sports, including basketball, soccer, volleyball, softball, flag football, ultimate tennis, golf, badminton, pickleball, archery, bowling, handball, and weight training. Emphasis will be placed on teaching and coaching situations, not just skill acquisition. The student will be involved in several class teaching opportunities. The course will cover task analysis, teaching outlines, and assessment processes, group division and sport assignments, and sport-by-sport presentations of task analysis, teaching outlines, and specific assessment procedures.

Lecture contact hours: 3

Typically offered: Demand

KIN 281 - The Athlete's Diet

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Fall, Spring

KIN 282 - Sports Conditioning

Credit Hours: 1
Instruction on the theory and practical aspects of designing and evaluating training and conditioning programs for competitive athletes.

Lecture contact hours: 1

Typically offered: Fall, Spring

KIN 283 - Multiplayer Online Battle Arena (MOBA)

Credit Hours: 1
This course will focus on learning the fundamentals, skills, and rules of popular competitive (MOBA) Multiplayer Online Battle Arena games. Students will play, study, and evaluate performance in MOBA titles, with the goal to further their understanding of tactics and how to improve skills and performance within this genre.

Lab contact hours: 2

Typically offered: Fall

KIN 284 - First Person Shooter (FPS)

Credit Hours: 1
This course will focus on learning the fundamentals, skills, and rules of popular competitive first person shooter titles played today within Esports. Students will play, study, and evaluate performance in FPS titles, with the goal to further their understanding of tactics and how to improve skills and performance within this genre.

Lab contact hours: 2

Typically offered: Fall

KIN 286 - Ethics and Diversity in American Sport

Credit Hours: 3
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.)

Prerequisite: 12 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

KIN 293 - Real Time Strategy Titles (RTS)

Credit Hours: 1
This course will focus on learning the fundamentals, skills, and rules of popular competitive (RTS) Real Time Strategy games. Students will play, study, and evaluate performance in RTS titles, with the goal to further their understanding of tactics and how to improve skills and performance within this genre.

Lab contact hours: 2

Typically offered: Spring

KIN 294 - Current Trends

Credit Hours: 1
This course will assist students in developing their ability to participate in identifying, analyzing, and discussion related to current issues in the field of Esports. These learning activities will help them to become leaders in the area and transfer these skills to real-life settings. Examples of trends could include manipulatives, applications, and virtual reality.

Lab contact hours: 2

Typically offered: Spring

KIN 297 - Special Topics

Credit Hours: 1-2
Special study of physical education or leisure skills. Variable content and variable credit course. May be repeated to a maximum of four hours. Same topic may be repeated once for credit.

Typically offered: Demand

KIN 300 - Teaching and Coaching Volleyball

Credit Hours: 1
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.

Prerequisite: 60 hours.
Lab contact hours: 2

Typically offered: Fall, Spring

KIN 301 - Teaching and Coaching Football

Credit Hours: 1
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.

Prerequisite: 60 hours.
Lab contact hours: 2

Typically offered: Fall, Spring

KIN 302 - Teaching and Coaching Basketball

Credit Hours: 1
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.

Prerequisite: 60 hours.
Lab contact hours: 2

Typically offered: Fall, Spring

KIN 303 - Teaching and Coaching Track and Field

Credit Hours: 1
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.

Prerequisite: 60 hours.
Lab contact hours: 2

Typically offered: Fall, Spring

KIN 304 - Teaching and Coaching Baseball

Credit Hours: 1
Analysis of baseball skills. Development of a baseball team, selection of players by position, team drills, offensive and defensive strategies, scouting, management of players.

Prerequisite: 60 hours.
Lab contact hours: 2

Typically offered: Fall, Spring

KIN 305 - Teaching and Coaching Softball

Credit Hours: 1
Analysis of softball skills. Development of competitive softball team, player selection by position, team drills, offensive and defensive strategies, scouting and player management.

Prerequisite: 60 hours.
Lab contact hours: 2

Typically offered: Fall, Spring

KIN 306 - Genres in Gaming

Credit Hours: 3
This course will focus on learning the fundamentals, skills, and rules of popular competitive esports games. Students will play, study, and evaluate performance in all genres in gaming, with the goal to further their understanding of tactics and how to improve skills and performance within all genres.

Lecture contact hours: 3

Typically offered: Fall, Spring

KIN 307 - Theory and Application of Esports

Credit Hours: 3
The focus of this course will be on analysis of skills regularly executed in Esports as well as individual and team Esports coaching principles. Specifically, attention will be given to the identification of strategies and weaknesses of various offensive and defensive strategies involved in popular Esports games. Additional focus will be placed on the development of player and team processes involved in the screening and selection of players.

Prerequisite: KIN 203.
Lecture contact hours: 3

Typically offered: Spring

KIN 310 - Philosophical and Historical Issues in Physical Education, Recreation and Sport

Credit Hours: 3
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.

Prerequisite: ENG 110 and KIN 200 or SPR 152; and 45 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

KIN 335 - Organization and Administration of Physical Education and Sport

Credit Hours: 3
This course is intended to assist students in gaining an understanding of the roles and responsibilities of a physical education administrator from both a theoretical and a practical perspective. Major topics included in this course focus on leadership and management, curriculum and instruction, human capital, and teacher evaluation as well as on how to conduct special events, write grants and perform fundraising, and be fiscally responsible. Directed coaching experience on campus and in the middle/secondary school setting is required.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Demand

KIN 341 - Physical Education for Elementary Teachers

Credit Hours: 2
Games, rhythms, material and methods utilized by elementary school classroom teachers to teach physical education.

Prerequisite: KIN 210.
Lecture contact hours: 2

Typically offered: Fall, Spring

KIN 350 - Health and Wellness Promotion

Credit Hours: 3
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 C grade or better in this course. A C grade or better is required in this course in order to take KIN 550.

Lecture contact hours: 3

Typically offered: Fall, Spring

KIN 358 - Health Education Methods

Credit Hours: 3
Methods, materials and resources for preparation, development and implementation of an effective school Health Education program.

Lecture contact hours: 3

Typically offered: Fall, Spring

KIN 359 - Qualitative Sport Skill Analysis

Credit Hours: 3
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.

Prerequisite: KIN 250 or permission.
Lecture contact hours: 3

Typically offered: Demand

KIN 360 - Human Movement Analysis and Biomechanics

Credit Hours: 4
The anatomical, physiologic and biomechanical principles that govern human motion will be presented and used to

develop a systematic approach to analyzing a variety of fundamental movements, common exercises, sports skills and basic rehabilitation activities. The analysis of human gait will be used as a unifying theme throughout the course. Cannot receive credit for both KIN 359 and 360.

Prerequisite: C grade or better in KIN 250 or BMS 307 or equivalent.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

KIN 361 - Principles of Motor Learning and Development

Credit Hours: 3
Motor learning encompasses the processes involved in acquiring and perfecting motor skills. One of the primary tasks is to promote motor skill learning in their clients. This course will examine the major theories and concepts of motor learning and their application, it is a study of the continuous process of motor development and motor behavior across the lifespan. The phylogenetic and ontogenetic factors mediating human growth and development will be discussed and applied. Relationships among growth, maturation, motor performance and the persons' context will be taught. Developmental considerations will be discussed with respect to planning and directing movement experiences for individuals across the lifespan. Classification systems of motor skills, motor abilities, measurement of motor learning, performer characteristics, attention, feedback, practice conditions, motivation, and instructional climate will be examined and applied to motor skill instruction. As a result of this course, students will reflect and critique their personal approach as a practitioner. The course incorporates lecture and credit service-learning experience. The service-learning experience consists of weekly instruction in a community-based early childhood motor development program. Academic concepts learned in class will be applied and utilized in the service-learning setting. Exercise Science majors and Physical Education majors are required to earn a C grade or better in this course.

Prerequisite: BMS 307 or C grade or better in KIN 250.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

KIN 362 - Exercise Physiology

Credit Hours: 4
Physiologic effects of muscular activity under different intensities, durations and environments on the human organism. A C grade or better is required in this course in order to take KIN 465, KIN 468, KIN 569 and BMS 563. Cannot not be taken Pass/Not Pass. Cannot receive credit for both KIN 362 and KIN 366.

Prerequisite: CHM 116 or CHM 160 and BMS 307 or C grade or better in KIN 250 .
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

KIN 366 - Exercise Physiology

Credit Hours: 3
Identical to the lecture portion of KIN 362. 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.

Prerequisite: BMS 308 or C grade or better in KIN 252.
Lecture contact hours: 3

Typically offered: Fall, Spring

KIN 370 - Introduction to Safety Education

Credit Hours: 3
General safety education in the instruction program of elementary and secondary schools; accident causes and remedial action.

Lecture contact hours: 3

Typically offered: Demand

KIN 371 - Driver Task Analysis

Credit Hours: 3
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.

Prerequisite: valid operator's license.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

KIN 372 - Developing Vehicle Operation Skills and Competencies

Credit Hours: 3
Acquaints the prospective driver education teacher with problems of automotive and traffic safety.

Prerequisite: KIN 371.
Lecture contact hours: 3

Typically offered: Demand

KIN 373 - Developing Classroom Knowledge

Credit Hours: 3
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.

Prerequisite: KIN 371 and KIN 372.
Lecture contact hours: 3

Typically offered: Demand

KIN 386 - Social Basis of Physical Activity and Sport

Credit Hours: 3
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.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

KIN 392 - Coaching Practicum

Credit Hours: 2
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.

Prerequisite: permission of instructor.
Lab contact hours: 4

Typically offered: Fall, Spring

KIN 400 - Movement to Enhance Cognition: Elementary Physical Education for Elementary Teachers

Credit Hours: 1
Games, rhythms, materials, and methods utilized by elementary school classroom teachers to teach physical education and integrate kinesthetic movement into classroom instruction.

Prerequisite: concurrent enrollment in ELE 500 for 4 hours.
Corequisite: ELE 500
Lecture contact hours: 1

Typically offered: Fall, Spring, Summer

KIN 402 - Women In Sport

Credit Hours: 3
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.

Prerequisite: 60 hours.
Lecture contact hours: 3

Typically offered: Spring

KIN 405 - Gender and Sport

Credit Hours: 1
An examination of sport as a major institutional locus for the historical and contemporary construction of gender relations.

Lecture contact hours: 1

Typically offered: Demand

KIN 411 - Teaching of Secondary Physical Education

Credit Hours: 3
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 C grade or better is required in this course in order to take KIN 493 or KIN 496. Cannot be taken Pass/Not Pass.

Prerequisite: KIN 200 and KIN 277; and KIN 359 or KIN 360; and C grade or better in KIN 431; and admitted to Teacher Education; and combined (Missouri State and transfer) GPA of 2.75 or higher; and earned a composite score or superscore of 17 or better on the ACT or passed all sections of the Missouri State Board of Education entry examination.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

KIN 412 - Organization and Administration of Esports

Credit Hours: 3
This course is designed to introduce students to organizational procedures and management principles involved in Esports.

Prerequisite: KIN 203.
Lecture contact hours: 3

Typically offered: Spring

KIN 430 - History and Philosophy of Physical Education

Credit Hours: 3
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.

Prerequisite: KIN 200 and 75 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

KIN 431 - Teaching K-4 Physical Education

Credit Hours: 3
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 C grade or better is required in this course in order to take KIN 493 or KIN 496. Cannot be taken Pass/Not Pass.

Prerequisite: KIN 200 and KIN 240 and KIN 277; and admitted to Teacher Education; and combined (Missouri State and transfer) GPA of 2.75 or higher; and earned a composite score or superscore of 17 or better on the ACT or passed all sections of the Missouri State Board of Education entry examination.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

KIN 440 - Middle School (5-9) Physical Education

Credit Hours: 3
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 C grade or better is required in this course in order to take KIN 493 or KIN 496. Cannot be taken Pass/Not Pass.

Prerequisite: KIN 240 and KIN 264 and KIN 270 and KIN 360; and admitted to Teacher Education; and combined (Missouri State and transfer) GPA of 2.75 or higher; and earned a composite score or superscore of 20 or better on the ACT or passed all sections of the Missouri State Board of Education entry examination.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

KIN 445 - Teaching of Middle and Secondary Physical Education

Credit Hours: 4
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 C grade or better is required in this course in order to take KIN 493 or KIN 496. Cannot be taken Pass/Not Pass.

Prerequisite: 70 hours; and KIN 200, KIN 240, KIN 250, KIN 252, KIN 261, KIN 264, KIN 270, KIN 273, KIN 277, and KIN 360; and combined (Missouri State and transfer) GPA of 2.75 or higher; and earned a composite score or superscore of 20 or better on the ACT or passed all sections of the Missouri State Board of Education entry examination.
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Fall, Spring

KIN 465 - Strength and Conditioning

Credit Hours: 3
Physiology and biomechanics of strength training and conditioning. Topics include: testing and evaluation of athletics, resistance training techniques, exercise prescription, 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 Science majors are required to earn a C grade or better in this course.

Prerequisite: C grade or better in KIN 360 and in KIN 362.
Lecture contact hours: 2 **Lab contact hours:** 1

Typically offered: Fall, Spring

KIN 466 - Physical Education for Intellectual Disabilities

Credit Hours: 3
Identification and program development of physical activities for individuals with varying levels of intellectual disabilities. Laboratory is off campus.

Prerequisite: permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

KIN 468 - Adapted Physical Education

Credit Hours: 4
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 C grade or better in this course. A C grade 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.

Prerequisite: C grade or better in KIN 360 and 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.
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Fall, Spring

KIN 485 - Psychology of Sport and Physical Activity

Credit Hours: 3
Inquiry into the psychological implications of sport and physical activity participation in relation to motivation and behavior of the participant.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Fall, Spring

KIN 488 - Capstone in Esports

Credit Hours: 3
Opportunities for students can include internships, research projects, or other culminating experiences. Students will have the opportunity to review emerging topics and issues in the Esports industry. Students will also explore and prepare for employment opportunities. Public Affairs Capstone Experience course.

Prerequisite: 80 hours; and permission.
Lecture contact hours: 3

Typically offered: Fall, Spring

KIN 490 - Sports Practicum

Credit Hours: 1-4
Short-term course updates physical educators in new developments within selected sport areas. Techniques of coaching and conditioning. May be repeated.

Prerequisite: senior or graduate standing.
Typically offered: Fall, Spring

KIN 491 - Field Experience

Credit Hours: 3-12
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 but no more than 12 hours will count toward a degree. Exercise and Movement Science majors are required to earn a C grade or better in this course. Public Affairs Capstone Experience course.

Prerequisite: 80 hours and permission.
Typically offered: Fall, Spring, Summer

KIN 493 - Supervised Teaching (Secondary Physical Education)

Credit Hours: 5-6
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

Prerequisite: completion of all method courses in physical education; and C grade 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.
Corequisite: KIN 496
Typically offered: Fall, Spring

KIN 496 - Supervised Teaching (Elementary Physical Education)

Credit Hours: 5-6
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.

Prerequisite: concurrent enrollment in KIN 493.
Corequisite: KIN 493
Typically offered: Fall, Spring

KIN 498 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

KIN 499 - Special Problems in Kinesiology

Credit Hours: 1-5
Investigation of a problem within physical education or exercise science as assigned by members of the departmental faculty. May be repeated to a maximum of five hours. May be taught concurrently with KIN 699. Cannot receive credit for both KIN 499 and KIN 699.

Prerequisite: permission of department head.
Typically offered: Fall, Spring

KIN 500 - Seminar in Kinesiology

Credit Hours: 1-3
Directed reading and special investigation of selected subjects in physical education or exercise science; research projects under faculty supervision. Variable content course. May be repeated to a maximum of nine hours. May be taught concurrently with KIN 600. Cannot receive credit for both KIN 500 and KIN 600. Public Affairs Capstone Experience course.

Prerequisite: 60 hours and permission of department head.
Typically offered: Demand

KIN 545 - Perceptual and Motor Development

Credit Hours: 3
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.

Prerequisite: PSY 360 or PSY 380 or PSY 385 or PSY 390 or CFD 160; and 90 hours.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

KIN 550 - Organization and Administration for Kinesiology Professionals

Credit Hours: 3
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.

Prerequisite: C grade or better in KIN 350.
Lecture contact hours: 3

Typically offered: Spring

KIN 567 - Physical Activities for the Aging Adult

Credit Hours: 3
The effects of aging and common degenerative diseases of the aged on physical performance and activities of daily living. Included are units on assessment of physical working capacity, flexibility, body composition and strength maintenance. Also, units on program design for performance activities commensurate with functioning capacity. May be taught concurrently with KIN 667. Cannot receive credit for both KIN 567 and KIN 667.

Prerequisite: KIN 250 or BMS 307; and KIN 252 or BMS 308.
Lecture contact hours: 3

Typically offered: Fall, Spring

KIN 569 - Health Appraisal and Exercise Testing Techniques

Credit Hours: 4
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 569 and KIN 669. Exercise and Movement Science majors are required to earn a C grade or better in this course.

Prerequisite: C grade or better in KIN 360 and in KIN 362.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

KIN 575 - Measurement and Evaluation Applied to Physical Education

Credit Hours: 3
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 C grade or better is 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.

Prerequisite: 90 hours; and admitted to Teacher Education, and a combined (Missouri State and transfer) GPA of 2.75 or higher.
Lecture contact hours: 3

Typically offered: Fall, Spring

Korean

KOR 101 - Elementary Korean I

Credit Hours: 3
CORE 42: MOTR number LANG 105 - Foreign Language 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.

Lecture contact hours: 3

Typically offered: Fall

Access the CORE 42 Portal

KOR 102 - Elementary Korean II

Credit Hours: 3
CORE 42: MOTR number LANG 106 - Foreign Language II.

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.

Prerequisite: C or better in KOR 101.
Lecture contact hours: 3

Typically offered: Spring

Access the CORE 42 Portal

KOR 201 - Intermediate Korean I

Credit Hours: 3
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.

Prerequisite: C or better in KOR 102.
Lecture contact hours: 3

Typically offered: Fall

KOR 202 - Intermediate Korean II

Credit Hours: 3
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.

Prerequisite: C or better in KOR 201.
Lecture contact hours: 3

Typically offered: Spring

KOR 297 - Special Topics in Korean

Credit Hours: 1-6
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 six hours.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

KOR 311 - Korean Reading and Conversation

Credit Hours: 3
This course is designed to develop and refine students' conversational and reading skills through short speeches, group discussion, free conversation and reading. The students in this course will explore different styles and topics in Korean, develop fluency, and improve command over grammar and vocabulary. Variable content course. May be repeated, as content changes, to a maximum of six hours.

Prerequisite: C grade or better in KOR 202 or permission of instructor.
Lecture contact hours: 3

Typically offered: Fall

KOR 312 - Korean Reading and Composition

Credit Hours: 3
This course is designed to help students strengthen and expand their reading and writing skills in Korean through the reading of authentic articles from Korean media, grammar review, and writing practice. A focus will be given to Korean language practices, history, and important cultural figures common to daily life in Korea.

Prerequisite: C grade or better in KOR 202 or permission of instructor.
Lecture contact hours: 3

Typically offered: Spring

Law

LAW 231 - Legal Environment of Business

Credit Hours: 3
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.

Prerequisite: 24 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

LAW 332 - Debtor and Creditor Rights and Remedies

Credit Hours: 1
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.

Prerequisite: LAW 231; undergraduate business majors must be admitted to degree program.
Lecture contact hours: 1

Typically offered: Fall, Spring, Summer

LAW 335 - Business Enterprises, Rights/Liabilities

Credit Hours: 2
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.

Prerequisite: LAW 231 and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 2

Typically offered: Demand

LAW 341 - Legal Research and Writing

Credit Hours: 3
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.

Prerequisite: LAW 231; undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

LAW 368 - Real Estate Law

Credit Hours: 3
Identical with FIN 368. Cannot receive credit for both LAW 368 and FIN 368.

Prerequisite: FIN 266; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

LAW 531 - Labor Law and Employment Discrimination

Credit Hours: 3
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.

Prerequisite: LAW 231; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

LAW 532 - Legal Environment of Business Organizations for Professionals

Credit Hours: 3
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.

Prerequisite: LAW 231; and 54 hours; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

LAW 537 - Environmental Regulation

Credit Hours: 3
Environmental laws and government regulations of air, water and land utilization, energy resources, solid and toxic waste disposal, torts, labeling of toxic substances, recycling; ethical, public policy and international implications such regulations and court interpretations pose for business practices, natural resource utilization, health quality, biodiversity, and endangered species. May be taught concurrently with LAW 637. Cannot receive credit for both LAW 537 and LAW 637.

Prerequisite: 36 hours; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

LAW 539 - Legal Regulation of International Commerce

Credit Hours: 3
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.

Prerequisite: LAW 231; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

LAW 550 - Negotiation, Mediation, and Arbitration in Business

Credit Hours: 3
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.

Prerequisite: 60 hours; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

Library Science

LIS 101 - Introduction to Information Literacy

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Fall, Spring

LIS 397 - Special Topics

Credit Hours: 1-3
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 to a maximum of six hours when topic changes.

Typically offered: Demand

Language and Literature

LLT 102 - Scientific and Medical Terminology

Credit Hours: 2
A study of technical terminology as derived from Greek and Latin elements. Does not fulfill any language requirement.

Lecture contact hours: 2

Typically offered: Fall, Spring

LLT 121 - Classical Mythology

Credit Hours: 3
General Education Course: Focus on Humanities **CORE 42:** MOTR number LITR 201 - Mythology.

A study of Greek and Roman myths and legends as they appear in art, music and literature, especially epic and tragedy.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

LLT 180 - From Hero to Superhero

Credit Hours: 3
General Education Course: Focus on Cultural Competence

This course explores the depictions of heroes and heroines in literature and art and inspires students to think critically about the development of our value systems, ethics, and self-identity. Readings will include Greco-Roman texts on a heroic theme, and students will investigate heroes from diverse cultural, historical, and gendered perspectives. Classical heroes studied may include Achilles, Mulan, Penelope, and Hercules.

Lecture contact hours: 3

Typically offered: Fall, Spring

LLT 215 - Asian Cultural Studies

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

LLT 225 - German Cultural Studies

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

LLT 240 - Epics from Classical Antiquity

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

LLT 271 - Special Topics in German(ic) Literature in English Translation

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

LLT 296 - Major Authors in Translation

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

LLT 321 - Comparative Mythology

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

LLT 325 - Greek Civilization

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

LLT 326 - Roman Civilization

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

Languages, Cultures, and Religions

LCR 100 - Language and Culture in Global Context

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

LCR 197 - Introduction to a Foreign Language

Credit Hours: 1-6
Special elementary studies in a foreign language and culture. Variable content course. May be repeated, as topics change, to a maximum of six hours.

Typically offered: Demand

LCR 297 - Intermediate Studies in a Foreign Language

Credit Hours: 1-6
Special intermediate studies in a foreign language and culture. Variable content course. May be repeated, as topics change, to a maximum of six hours.

Typically offered: Demand

LCR 303 - Coping with Culture

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

LCR 310 - Introduction to Translation and Interpreting

Credit Hours: 3
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.

Prerequisite: CHI 202 or FRN 202 or GRM 202 or SPN 202 or permission of instructor.
Lecture contact hours: 3

Typically offered: Fall

LCR 397 - Advanced Studies in a Foreign Language

Credit Hours: 1-6
Special advanced studies in a foreign language and culture. Variable content course. May be repeated, as topics change, to a maximum of six hours.

Typically offered: Demand

LCR 400 - World Languages Practicum

Credit Hours: 1-10
This course is an approved languages-related practicum experience or internship on or off campus. Students will gain experience in target-language use, structures and presentations in professional contexts. Variable content course. May be repeated, as content changes, to a maximum of 10 hours. No more than three hours of LCR 400 credit may be applied toward the requirements of any Bachelor of Science-Modern Languages degree.

Prerequisite: permission of instructor.
Typically offered: Demand

LCR 410 - Translation Capstone Project

Credit Hours: 1
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.

Prerequisite: permission of instructor and department head.
Lecture contact hours: 1

Typically offered: Demand

LCR 413 - Teaching of Foreign Languages

Credit Hours: 3
With an emphasis on best practices in world language instruction and proficiency levels, students acquire and apply methods and techniques specific to learning languages other than English and teaching them in a secondary educational setting. The course also introduces students to foundational principles and concepts required for K-12 teaching and helps students to develop their educational philosophy. Students complete a practicum with teaching and observation

components in foreign language classrooms. Credited only on Bachelor of Science in Modern Language, Teacher Certification, or BSEd (Secondary). A C grade or better is required in the course in order to take LCR 493 or LCR 496. Cannot be taken Pass/Not Pass.

Prerequisite: equivalent of 12 hours in foreign language; and admitted to Teacher Education.
Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Spring

LCR 414 - Practice and Application in K-12 World Language Teaching

Credit Hours: 3
With an emphasis placed on target language use and authentic materials for proficiency development, students deepen their skills in methods and techniques specific to learning languages other than English and teaching them in a secondary educational setting. Students continue their understanding and implementation of foundational principles and concepts required for K-12 teaching, including refinement of their educational philosophy. The practical application includes a practicum with teaching and observation components in foreign language classrooms. A C grade or better is required in this course in order to take LCR 493 or LCR 496. Cannot be taken Pass/Not Pass. Can only be credited on Bachelor of Science in Modern Language, Teacher Certification, or BSEd.

Prerequisite: LCR 413 or permission of Program Coordinator or Department Head.
Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Fall

LCR 491 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

LCR 493 - Supervised Teaching Seminar

Credit Hours: 2
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 supervised 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.

Prerequisite: LCR 413 and LCR 414; a C grade or better in all professional education courses; and current pre-professional liability insurance; and approval for supervised teaching; and all coursework required for the major in

Modern Languages-Teacher Education Option completed; and minimum combined (Missouri State and transfer) GPA of 2.75; and minimum GPA of 3.00 in Modern Language of Certification with no grade lower than a C; and minimum GPA of 3.00 in professional education; and concurrent enrollment in LCR 496.
Corequisite: LCR 496
Lecture contact hours: 2

Typically offered: Fall, Spring

LCR 495 - Languages and Society Capstone

Credit Hours: 3
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 Education Abroad) 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.

Prerequisite: permission of instructor or department head.
Lecture contact hours: 3

Typically offered: Fall, Spring

LCR 496 - Supervised Teaching

Credit Hours: 10
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.

Prerequisite: concurrent enrollment in LCR 493.
Corequisite: LCR 493
Typically offered: Fall, Spring

LCR 497 - Superior Studies in a Foreign Language

Credit Hours: 1-6
Special superior studies in a foreign language and culture. Variable content course. May be repeated, as topics change, to a maximum of six hours.

Typically offered: Demand

LCR 499 - Program Assessment

Credit Hours: 0
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.

Prerequisite: permission of instructor.
Typically offered: Demand

LCR 550 - Advanced Study Abroad

Credit Hours: 3-6
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 LCR 650. Cannot receive credit for both LCR 550 and LCR 650.

Prerequisite: FRN 311 or GRM 311 or SPN 205 and permission of instructor and language advisor.
Typically offered: Demand

LCR 597 - Topics for Teachers of Foreign Languages

Credit Hours: 1-6
Topics of discipline-specific interest to foreign language teachers, e.g., specialized technological resources or contemporary cultural materials. Variable content course. Sections may be specific to a particular language or concern general pedagogical issues. May be repeated to a maximum of six hours. May be taught concurrently with LCR 697. Cannot receive credit for both LCR 597 and LCR 697.

Prerequisite: 60 hours.
Typically offered: Demand

Latin

LTN 101 - Elementary Latin I

Credit Hours: 3
CORE 42: MOTR number LANG 105 - Foreign Language I.

Grammar and pronunciation; vocabulary study through reading and derivative study.

Lecture contact hours: 3

Typically offered: Fall

Access the CORE 42 Portal

LTN 102 - Elementary Latin II

Credit Hours: 3
CORE 42: MOTR number LANG 106 - Foreign Language II.

Continuation of LTN 101.

Prerequisite: C or better in LTN 101.
Lecture contact hours: 3

Typically offered: Spring

Access the CORE 42 Portal

LTN 201 - Intermediate Latin I

Credit Hours: 3
Continuation of LTN 102, with increased emphasis on reading.

Prerequisite: C or better in LTN 102.
Lecture contact hours: 3

Typically offered: Fall

LTN 202 - Intermediate Latin II

Credit Hours: 3
Introduction to Latin literature, analysis of its subjects, forms and ideals.

Prerequisite: C or better in LTN 201.
Lecture contact hours: 3

Typically offered: Spring

LTN 312 - Latin Composition

Credit Hours: 3
Review of grammar with practice in writing, giving emphasis to style.

Prerequisite: LTN 202.
Lecture contact hours: 3

Typically offered: Demand

LTN 450 - Readings in Roman Public Affairs

Credit Hours: 3
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 six hours.

Prerequisite: LTN 202.
Lecture contact hours: 3

Typically offered: Demand

LTN 451 - Roman Elegy and Lyric

Credit Hours: 3
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 six hours.

Prerequisite: LTN 202.
Lecture contact hours: 3

Typically offered: Demand

LTN 460 - Roman History

Credit Hours: 3
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 six hours.

Prerequisite: LTN 202.
Lecture contact hours: 3

Typically offered: Demand

LTN 461 - Roman Epic

Credit Hours: 3
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 six hours.

Prerequisite: LTN 202.
Lecture contact hours: 3

Typically offered: Demand

LTN 470 - Roman Letters and Personal Life

Credit Hours: 3
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 six hours.

Prerequisite: LTN 202.
Lecture contact hours: 3

Typically offered: Demand

LTN 471 - Roman Satire

Credit Hours: 3
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 six hours.

Prerequisite: LTN 202.

Lecture contact hours: 3

Typically offered: Demand

LTN 480 - Research in Latin Literature

Credit Hours: 1
A writing project designed to develop skills necessary for research in original texts of ancient authors. Must be taken in conjunction with LTN 450, LTN 451, LTN 460, LTN 461, LTN 470, LTN 471 or LTN 485. May be repeated once to a maximum of two hours. Does not count toward the 12-hour B.A. language requirement.

Prerequisite: LTN 202.
Lecture contact hours: 1

Typically offered: Demand

LTN 485 - Patristics and Late Latin Writers

Credit Hours: 3
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 six hours.

Prerequisite: LTN 202.
Lecture contact hours: 3

Typically offered: Demand

LTN 499 - Independent Studies in Latin

Credit Hours: 1-3
Supervised independent study in literature, linguistics or other restricted topics. May be repeated to a maximum of six hours.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

LTN 525 - Seminar in Latin Literature

Credit Hours: 3
Selected topics in Latin literature such as genre studies, period studies, or concentration on one or more authors. Variable content course. May be repeated once with changed content. May be taught concurrently with LTN 625. Cannot receive credit for both LTN 525 and LTN 625.

Prerequisite: 60 hours and permission of instructor or department head.
Lecture contact hours: 3

Typically offered: Demand

Literacy

LTC 107 - Critical Reading and Study Skills in Academic Texts

Credit Hours: 2
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 LTC 107 and IDS 118.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

LTC 300 - Service-Learning in Literacy

Credit Hours: 1
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 LTC 421 or any other required practicum. May be repeated.

Prerequisite: 30 hours; and concurrent registration in a LTC course designated as a service-learning offering; and admitted to Teacher Education.
Typically offered: Fall, Spring

LTC 318 - Foundations of Literacy Instruction

Credit Hours: 3
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.

Prerequisite: 30 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

LTC 319 - Practicum-Foundations of Literacy Instruction

Credit Hours: 1
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.

Prerequisite: admitted to Teacher Education and current professional liability insurance.
Lab contact hours: 2

Typically offered: Demand

LTC 420 - Methods of Assessing and Personalizing Reading and Writing

Credit Hours: 3
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.

Prerequisite: LTC 318; and concurrent enrollment in LTC 421.
Corequisite: LTC 421
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

LTC 421 - Practicum-Methods of Assessing and Personalizing Reading and Writing

Credit Hours: 2
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.

Prerequisite: LTC 318; and concurrent enrollment in LTC 420.
Corequisite: LTC 420
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall, Spring, Summer

LTC 422 - Techniques of Teaching Literacy in the Content Fields

Credit Hours: 2
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.

Prerequisite: LTC 318 and admitted to Teacher Education.
Lecture contact hours: 2

Typically offered: Demand

LTC 474 - Reading and Writing in the Content Fields

Credit Hours: 3
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.

Prerequisite: admitted to Teacher Education or concurrent enrollment in EDC 150.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

LTC 480 - Problems in Literacy Education

Credit Hours: 1-3
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 maximum of five hours.

Typically offered: Demand

LTC 540 - Analysis and Correction of Difficulties in Literacy

Credit Hours: 3
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 LTC 640. Cannot receive credit for both LTC 540 and LTC 640.

Prerequisite: LTC 318 or both LTC 420 and LTC 421, or equivalent.
Lecture contact hours: 3

Typically offered: Fall, Spring

LTC 556 - Topical Issues in Literacy

Credit Hours: 1-5
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 maximum of five hours when topics change. A maximum of three hours may be used toward degree. May be taught concurrently with LTC 656. Cannot receive credit for both LTC 556 and LTC 656 on same topic.

Prerequisite: permission may be required (see class schedule).
Typically offered: Demand

LTC 560 - Diversity Issues in Literacy and Content Area Instruction

Credit Hours: 3
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 LTC 660. Cannot receive credit for both LTC 560 and LTC 660.

Lecture contact hours: 3

Typically offered: Fall

LTC 565 - Cultural Diversity in Literacy and Instruction: Classrooms and Community

Credit Hours: 3
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 LTC 665. Cannot receive credit for both LTC 565 and LTC 665.

Lecture contact hours: 3

Typically offered: Spring

LTC 573 - Psychology of Global Literacies

Credit Hours: 3
The study of the mindset and behaviors involved in the acquisition and application of literacy from multicultural and global perspectives. Students will investigate and analyze the connections between language, literacy, and culture in schools and communities within a global setting. Students will examine the purpose and function of literacy while reading multicultural and international fiction and nonfiction literature. May be taught concurrently with LTC 673. Cannot receive credit for both LTC 573 and LTC 673.

Lecture contact hours: 3

Typically offered: Demand

LTC 574 - Analysis and Correction of Difficulties in Adolescent Literacy

Credit Hours: 3
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 LTC 624. Cannot receive credit for both LTC 574 and LTC 624.

Prerequisite: LTC 474 or concurrent enrollment, or equivalent.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

LTC 580 - Successful Classroom Communities to Enhance Student Learning

Credit Hours: 3
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 LTC 680. Cannot receive credit for both LTC 580 and LTC 680.

Lecture contact hours: 3

Typically offered: Fall, Summer

LTC 585 - Techniques of Responsive Support in the Literacy Classroom

Credit Hours: 3
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 LTC 685. Cannot receive credit for both LTC 585 and LTC 685.

Lecture contact hours: 3

Typically offered: Fall, Summer

LTC 599 - Literacy Projects

Credit Hours: 1-3
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 maximum of three hours. May be taught concurrently with LTC 600. Cannot receive credit for both LTC 599 and LTC 600.

Typically offered: Demand

Materials Science

MAT 509 - Special Topics in Materials Science

Credit Hours: 1-3
Variable content course. Topics to be chosen from current areas of interest in Materials Science. May be repeated to a maximum of six hours with a different topic. May be taught concurrently with MAT 609. Cannot receive credit for both MAT 509 and MAT 609.

Prerequisite: permission of instructor.
Typically offered: Demand

MAT 514 - Techniques in Electron Microscopy

Credit Hours: 2
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.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring Even

MAT 540 - Thermodynamics of Materials

Credit Hours: 3
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.

Prerequisite: PHY 343 or CHM 506.
Lecture contact hours: 3

Typically offered: Fall Even

MAT 550 - Introduction to Materials Science

Credit Hours: 3
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.

Prerequisite: PHY 375 or CHM 507.
Lecture contact hours: 3

Typically offered: Fall

MAT 580 - Structure of Solids

Credit Hours: 3
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.

Prerequisite: PHY 575 or CHM 507.
Lecture contact hours: 3

Typically offered: Spring Even

Media

MED 120 - Mass Media and Society

Credit Hours: 3
General Education Course: Focus on Social and Behavioral Sciences **CORE 42:** MOTR number SBSC 100 - Introduction to Mass Communications.

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.

Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Fall, Spring

Access the CORE 42 Portal

MED 130 - Media Professionalism

Credit Hours: 3
An introduction to professionalism across all areas of media. Emphasis will be placed on collaborating to produce audio, video, web and social media content. Students create and maintain an online portfolio, learn to manage a professional online presence, and learn to write basic proposals for media projects.

Lecture contact hours: 3

Typically offered: Fall, Spring

MED 274 - Introduction to Film

Credit Hours: 3
General Education Course: Focus on Humanities **CORE 42:** MOTR number FILM 100 - Introduction to Film Studies.

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.

Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Fall, Spring

Access the CORE 42 Portal

MED 290 - Fundamentals of Multimedia Design

Credit Hours: 3
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.

Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Fall, Spring

MED 300 - Special Topics in Media

Credit Hours: 1-3
A course upon a single topic of current interest. Topics may include: Asian Horror Cinema; Great Directors; Sci-Fi Noir; The Films of the Coen Brothers; Advanced Storytelling; Promoting Yourself in the Digital Age; Miyazaki!; Disney Animation: The Golden Age; Warner Bros. Animation: The Golden Age; Steadicam Practicum; Selling Your Idea: The Art of the Pitch; Collaborate: Make a Web Series; Storytelling Across All Media; Reality TV and Genre; Writing the Short Film. Variable content course. May be repeated to a maximum of six hours if topics are different. May be taught concurrently with MED 600. Cannot receive credit for both MED 300 and MED 600 for the same topic.

Typically offered: Demand

MED 304 - Media Effects

Credit Hours: 3
An examination of the history, development, and current state of media effects theory and research. Emphasis will be from a social science perspective and will consider behavioral, cognitive, emotional, and other media effects.

Prerequisite: MED 120.
Lecture contact hours: 3

Typically offered: Fall, Spring

MED 305 - Service-Learning in Media

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in a media course designated as a service-learning offering.
Typically offered: Fall, Spring

MED 317 - Introduction to Popular Culture Studies

Credit Hours: 3
An introduction to theories applied in the field of cultural studies. Emphasis will be placed on primary sources and their application to literature, media, and popular culture. Identical with ENG 317 . Cannot receive credit for both ENG 317 and MED 317.

Prerequisite: ENG 235 and MED 120 .
Lecture contact hours: 3

Typically offered: Spring

MED 320 - Understanding the Broadcast Industry

Credit Hours: 3
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.

Prerequisite: MED 120.
Lecture contact hours: 3

Typically offered: Demand

MED 325 - Media History

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

MED 345 - Fundamentals of Media Production

Credit Hours: 3
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.

Prerequisite: open to all students except Digital Film and Television Production, Mass Media (Comprehensive) and Electronic Arts majors.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall, Spring

MED 355 - Social Media

Credit Hours: 3
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.

Prerequisite: MED 120.
Lecture contact hours: 3

Typically offered: Demand

MED 360 - Beginning Screenwriting

Credit Hours: 3
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 to a maximum of six 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.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall, Spring

MED 361 - Introduction to Sound Recording for Media

Credit Hours: 3
A foundational audio course with an emphasis on field and custom sound recording. The course is designed to invoke awareness and creativity of sound as an art form to deliver the message and convey the feeling. Fundamental recording technologies and techniques will be introduced to record the sounds from the field and live events, and to edit and mix them with basic tactics. Students are expected to apply the knowledge to design and manipulate sounds creatively for a variety of applications, such as film, television, radio, podcasting, games, and immersive media.

Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Spring

MED 365 - Digital Film and Media Production

Credit Hours: 3
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.

Prerequisite: major in Digital Film and Television Production, Film and Media Studies, or Electronic Arts, or permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

MED 370 - Color Theory

Credit Hours: 3
The course provides an exploration of how color theory can drive a story, both visually and psychologically. Students will understand the relationship between colors and learn to design visually, using the principles of color theory to influence a viewers' emotions. Students will examine genre, theme, and color concepts to learn effective communication through aesthetic design to produce a portfolio-worthy project based within their major.

Prerequisite: MED 345 or MED 365 or permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 1

Typically offered: Demand

MED 374 - History of Film I

Credit Hours: 3
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. May be taught concurrently with MED 674. Cannot receive credit for both MED 374 and MED 674.

Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Fall

MED 375 - History of Film II

Credit Hours: 3
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. May be taught concurrently with MED 675. Cannot receive credit for both MED 375 and MED 675.

Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Spring

MED 381 - Broadcast Writing

Credit Hours: 3
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.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Fall, Spring

MED 382 - Audio Post-Production

Credit Hours: 3
Study and exploration of the creativity of sound through recording and editing/mixing, with an emphasis on sound design for motion pictures, in studio and post-production settings. Students will learn to "see" the diegetic and non-diegetic sounds in movies and create them, particularly in the form of ADRs and Foleys, to improve and enrich movie soundtracks and ultimately enhance storytelling. The essential sound recording and editing technology, workflow and techniques will be taught and applied to a set of designated hands-on projects.

Prerequisite: MED 461 or permission of instructor.
Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Demand

MED 383 - Television Production

Credit Hours: 3
Orientation to and practical experience in creating TV production in the professional studio setting.

Prerequisite: MED 365 or JRN 388.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

MED 385 - Client-Based Video Production

Credit Hours: 3
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.

Prerequisite: MED 345 or MED 365.
Lecture contact hours: 2 **Lab contact hours:** 1

Typically offered: Fall

MED 390 - Interactive Web Design

Credit Hours: 3
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.

Prerequisite: MED 290.
Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Fall, Spring

MED 412 - Documentary Storytelling

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

MED 450 - Media Ecology

Credit Hours: 3
A historical examination of communicative media technologies, how they affect human perception, understanding, feeling, and value, and how each new technological development fundamentally changed society.

Lecture contact hours: 3

Typically offered: Fall, Spring

MED 454 - Media Analysis and Criticism

Credit Hours: 3
The political, cultural, economic and social impact of the American media and their content as they affect and influence the individual and the culture.

Prerequisite: MED 120; and COM 209 or MED 304.
Lecture contact hours: 3

Typically offered: Fall, Spring

MED 461 - Sound Editing

Credit Hours: 3
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.

Prerequisite: MED 365.
Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Fall, Spring

MED 462 - TV/Film Producing

Credit Hours: 3
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. May be taught concurrently with MED 642. Cannot receive credit for both MED 462 and MED 642.

Lecture contact hours: 3

Typically offered: Fall

MED 463 - Writing Adaptations for Television and Film

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

MED 464 - Genre Writing for Film and Television

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

MED 465 - Principles of Cinematography

Credit Hours: 3
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.

Prerequisite: MED 365.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

MED 466 - Editing for Film and Television

Credit Hours: 3
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.

Prerequisite: MED 365.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

MED 470 - Special Topics in Film

Credit Hours: 3
An examination of special topics from historical or current interest in film. Topic will vary from semester to semester depending on student interest and faculty availability. Approved recurring course topics: Animation, Asian Cinema, Postmodern Trends in Movies, Women Directors, Women Characters in Film. Viewing of selected films outside of class may be required. Variable content course. May be repeated to a maximum of six hours when the topic is different. May be taught concurrently with MED 690. Cannot receive credit for both MED 470 and MED 690 for the same topic.

Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Demand

MED 472 - Directing the Short Film

Credit Hours: 3
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.

Prerequisite: MED 345 or MED 365.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

MED 483 - Intermediate Production

Credit Hours: 3
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.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

MED 490 - Advanced Interactivity Multimedia Design

Credit Hours: 3
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. Variable content course. May be repeated to a maximum of six hours if topics are different.

Prerequisite: MED 290.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring Even

MED 492 - Independent Study in Electronic Media

Credit Hours: 1-3
Supervised independent study exploring selected areas determined by the student in consultation with the media faculty. Coursework may include readings, term papers, or projects. May be repeated to a maximum of six hours with permission of the department.

Prerequisite: admission to a departmental major, permission of instructor and 6 hours of upper division MED or JRN coursework.
Typically offered: Demand

MED 493 - Practicum in Electronic Media

Credit Hours: 1-3
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 maximum of six hours with permission of the department when project is different.

Prerequisite: permission of instructor.
Typically offered: Demand

MED 498 - Senior Project in Electronic Arts

Credit Hours: 3
Admission to this course is contingent upon the successful completion of the Electronics Arts junior portfolio review and the achievement of a C grade or better 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.

Prerequisite: ART 300 and permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

MED 512 - Documentary Film Practicum

Credit Hours: 3
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.

Prerequisite: MED 345 or MED 365.
Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Fall

MED 552 - Preproduction

Credit Hours: 3
Principles, skills, and techniques involved in preproduction for television or film. Practical experience in writing, rewriting, and producing elements to develop a film, pilot, series or season of an existing series. Producing elements include fundraising, location scouting, designing and creating sets, acquiring props and wardrobe, casting, workflow, technical elements, system needs, and marketing. May be taught concurrently with MED 652. Cannot receive credit for both MED 552 and MED 652.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 3

Typically offered: Fall

MED 561 - Sound Mixing

Credit Hours: 3
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.

Prerequisite: MED 461.
Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Fall

MED 562 - Digital Filmmaking Capstone

Credit Hours: 3
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 562 and MED 662.

Prerequisite: six hours of intermediate production courses and permission of the instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

MED 565 - Intermediate Screenwriting

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

MED 566 - Writing for Television

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

MED 568 - Writing the Web Series

Credit Hours: 3
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 to a maximum of six 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.

Prerequisite: permission of instructor.
Lecture contact hours: 3

Typically offered: Spring

MED 569 - Advanced Screenwriting

Credit Hours: 3
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 to a maximum of six 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.

Prerequisite: MED 565 or MED 566, and permission of instructor.
Lecture contact hours: 3

Typically offered: Spring

MED 570 - Film Theory

Credit Hours: 3
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 570 and MED 670.

Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Spring

MED 580 - Media in Politics

Credit Hours: 3
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 580 and MED 680.

Prerequisite: MED 120; and COM 209 or MED 304.
Lecture contact hours: 3

Typically offered: Demand

MED 581 - Media Ethics and Law

Credit Hours: 3
An examination of legal and ethical issues in media, including news and information media, entertainment media, and social media. Focus on the historical foundations of media rights and regulation and the application of ethical principles to past and current debates about media practice and content. May be taught concurrently with MED 681. Cannot receive credit for both MED 581 and MED 681. Public Affairs Capstone Experience course.

Prerequisite: MED 120 and MED 304.
Lecture contact hours: 3

Typically offered: Fall, Spring

MED 582 - Producing the Feature Film

Credit Hours: 3
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. May be taught concurrently with MED 684. Cannot receive credit for both MED 582 and MED 684.

Prerequisite: MED 365.
Lecture contact hours: 3

Typically offered: Spring

MED 583 - Advanced Television Production

Credit Hours: 3
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.

Prerequisite: MED 383.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

MED 593 - Rewriting Features and Pilots

Credit Hours: 3
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 693. Cannot receive credit for both MED 593 and MED 669 for the same project.

Prerequisite: MED 569.
Lecture contact hours: 3

Typically offered: Spring

MED 595 - Media Internship

Credit Hours: 1-6
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 maximum of six hours. May be taught concurrently with MED 695. Cannot receive credit for both MED 595 and MED 695.

Prerequisite: 60 hours and permission of instructor.
Typically offered: Fall, Spring

MED 596 - Postproduction

Credit Hours: 3
Principles, skills, and techniques involved in postproduction for television or film. Practical experience in post workflow, editing, sound design, mixing and marketing to create professional media products. May be taught concurrently with MED 696. Cannot receive credit for both MED 596 and MED 696.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 3

Typically offered: Summer

MED 597 - Advanced Studies in Media

Credit Hours: 3
In-depth examination of a special topic in media. Variable content course. May be repeated to a maximum of six hours. May be taught concurrently with MED 697. Cannot receive credit for both MED 597 and MED 697.

Prerequisite: permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

Management

MGT 211 - Talent Management in Music and Entertainment

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

MGT 286 - Business Communication and Professional Development

Credit Hours: 3
This course will enhance communication effectiveness and professionalism within organizational and business settings by developing career-readiness skills - e.g., oral and written communication, professionalism and engagement, teamwork and networking, critical thinking, and ethical leadership.

Prerequisite: ENG 105 or ENG 110 .
Lecture contact hours: 3

Typically offered: Fall, Spring

MGT 300 - Service-Learning in Management

Credit Hours: 1
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.

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.
Typically offered: Fall, Spring

MGT 310 - Introduction to the Entertainment Industry

Credit Hours: 3
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.

Prerequisite: 54 hours; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

MGT 320 - Patterns of Management

Credit Hours: 3
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.

Prerequisite: 54 hours.
Lecture contact hours: 3

Typically offered: Demand

MGT 325 - Fundamentals of Personnel Administration

Credit Hours: 3
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.

Prerequisite: 54 hours.

Lecture contact hours: 3

Typically offered: Demand

MGT 340 - Principles of Management

Credit Hours: 3
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. Cannot be taken Pass/Not Pass. Public Affairs Capstone Experience course.

Prerequisite: 54 hours, including PSY 121; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MGT 341 - Organizational Behavior and Leadership

Credit Hours: 3
This course studies individual and group behaviors, processes, and leadership. It will allow students to develop the ability to understand individual differences, group dynamics, change, and development within organizational settings and cultures.

Prerequisite: MGT 340 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MGT 342 - Leading and Designing Organizations

Credit Hours: 3
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.

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MGT 345 - Human Resources Management

Credit Hours: 3
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.

Prerequisite: MGT 340 and QBA 237; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MGT 392 - Education Abroad in Management

Credit Hours: 1-6
This course is intended to offer students experiential learning opportunities in the management domain and requires an international and/or domestic travel experience. Course requirements include research and discussion about companies and/or cultural institutions in locations to be visited, significant travel to international and/or domestic destination(s) to explore the culture and visit companies, institutions, and cultural icons, and a final project that requires reflection on the student's experience. Course may be offered in conjunction with a domestic or international Education Abroad program.

Typically offered: Demand

MGT 394 - Cooperative Education in Management

Credit Hours: 1-3
The opportunity to earn academic credit in a planned learning process that integrates academic training with supervised work experience. Variable content course. May be repeated to a maximum of six.

Prerequisite: acceptance into Cooperative Education Program and permission of department head; and undergraduate business majors must be admitted to degree program.
Typically offered: Fall, Spring

MGT 397 - Business Report Writing

Credit Hours: 3
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.

Prerequisite: MGT 286; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MGT 398 - Managerial Communication

Credit Hours: 3
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 MGT 397.

Prerequisite: UHC 110 and COM 115 and ENG 221; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

MGT 400 - Topics in Management

Credit Hours: 1-3
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 f 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 maximum of three hours.

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

MGT 408 - Sponsorships in Entertainment and Sport

Credit Hours: 3
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.

Prerequisite: MGT 310 or MGT 410; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

MGT 410 - Venue Management

Credit Hours: 3
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.

Prerequisite: undergraduate business majors must be admitted to degree program.
Recommended Prerequisite: MGT 310.

Lecture contact hours: 3

Typically offered: Demand

MGT 412 - Managing Events in Entertainment and Sport

Credit Hours: 3
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.

Prerequisite: MGT 310 and MGT 340; and undergraduate business majors must be admitted to degree program; others by permission of instructor.
Lecture contact hours: 3

Typically offered: Fall, Spring

MGT 413 - Managing the Sport Enterprise

Credit Hours: 3
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.

Prerequisite: undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring, Demand

MGT 440 - Leadership Skill Development

Credit Hours: 3
This course will develop student's leadership skills by applying leadership behaviors to management functions, roles, and activities through self-assessments of leadership styles, cases, and experiential exercises. It also includes a comprehensive review of leadership theories and core behaviors.

Prerequisite: MGT 340 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MGT 441 - Ethical Leadership in Business

Credit Hours: 3
This course examines the unique ethical demands of leadership in a business setting. Topics include emergent ethical issues facing organizations and society including sustainability and corporate social responsibility. The overall mission of the course is to promote ethical decision-making. The course seeks to teach students to recognize and be sensitive to ethical dilemmas**,** 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.

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

MGT 442 - Selected Topics in Organizational Behavior

Credit Hours: 3
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.

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

MGT 447 - International Management

Credit Hours: 3
This course explores the challenges faced by business managers in the international arena. Students will learn the fundamentals of international strategies, cross-cultural management, and global resource allocation while developing the ability to understand people from different cultures. Cannot receive credit for both MGT 447 and MGT 747.

Prerequisite: MGT 340 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

MGT 450 - Training and Development

Credit Hours: 3
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.

Prerequisite: MGT 345; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

MGT 451 - Talent Acquisition

Credit Hours: 3
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.

Prerequisite: MGT 345; and QBA 337 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

MGT 465 - Managing the Human Resource Environment and Employment Relationship

Credit Hours: 3
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.

Prerequisite: MGT 345; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MGT 466 - Advanced Issues in Human Resources Management

Credit Hours: 3
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.

Prerequisite: MGT 345 and QBA 237; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

MGT 486 - Administrative Communication

Credit Hours: 3
Analysis of various business problem situations and development of appropriate communication strategies.

Prerequisite: MGT 286; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

MGT 487 - Strategic Management and Policy

Credit Hours: 3
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.

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.
Lecture contact hours: 3

Typically offered: Fall, Spring

MGT 494 - Internship in Management

Credit Hours: 1-6
Opportunity to obtain simultaneously the practical as well as the theoretical knowledge through internship with cooperating businesses.

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.
Typically offered: Demand

MGT 496 - Readings in Management and Leadership

Credit Hours: 1-6
This course will provide content designed to intensify and supplement management-related knowledge. It may include experiential learning opportunities. Students can take the course twice for a maximum of six total hours (three hours at a time).

Prerequisite: permission of department head; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

MGT 546 - Direct Compensation System Management

Credit Hours: 3
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 646. Cannot receive credit for both MGT 546 and MGT 646.

Prerequisite: MGT 345; and QBA 337 or concurrent enrollment; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

MGT 560 - History of Management Thought

Credit Hours: 3
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 560 and MGT 680.

Prerequisite: MGT 340; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

MGT 596 - Research Issues and Problems: Management

Credit Hours: 1-3
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. Undergraduate students only may repeat to a maximum of six hours. May be taught concurrently with MGT 697. Cannot receive credit for both MGT 596 and MGT 697.

Prerequisite: 90 hours; and permission of department head; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

Middle School Education

MID 400 - Philosophy, Curriculum, and Organization of Middle School Education

Credit Hours: 3
This course provides an overview of middle level education philosophy, curriculum planning and development and organization. Emphasis is on cognitive, behavioral, and affective needs of middle level students, interdisciplinary teaching, team teaching, and intervention strategies. Course can be taken concurrently with EDC 150.

Prerequisite: B grade or better in SEC 302 or PEU 015.

Lecture contact hours: 3

Typically offered: Fall, Spring

MID 421 - Philosophy and Organization of Middle School Education

Credit Hours: 2
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.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 2

Typically offered: Demand

MID 425 - Middle School Curriculum and Instruction

Credit Hours: 2
This course will apply principles and components of middle school curriculum to the development of lesson plans. Emphasis will be on developmentally and culturally responsive strategies, including differentiation, and formative and summative assessments. The course requires a 15 hour practicum.

Prerequisite: B grade or better in MID 400 ; and admission to Teacher Education.
Lecture contact hours: 2

Typically offered: Fall, Spring, Summer

MID 439 - Middle School Instructional Strategies and Field Experience

Credit Hours: 3
This course will provide pre-service teachers with a review of best practices in instructional strategies and classroom management techniques to facilitate practicum and student-teaching experiences. The course requires a 45-hour practicum in an area middle school in which a lesson will be taught in the preservice teachers' content area and a formal observation will be conducted by university faculty/staff.

Prerequisite: B grade or better in MID 425; and admission to Teacher Education.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

MID 493 - Supervised Teaching (Middle School)

Credit Hours: 6
The student observes and then teaches under the direction of the cooperating teacher and university supervisor. Student participates in exploratory activities and attends individual and group conferences, and team meetings. Students must obtain professional liability insurance and attempt to pass the Missouri Content Area Assessment before being placed as a supervised teacher. Public Affairs Capstone Experience course.

Prerequisite: B grade or better in of all professional education courses; and concurrent enrollment in MID 494 .
Corequisite: MID 494
Typically offered: Fall, Spring

MID 494 - Supervised Teaching (Middle School)

Credit Hours: 6
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. Public Affairs Capstone Experience course.

Prerequisite: concurrent enrollment in MID 493.
Corequisite: MID 493
Typically offered: Fall, Spring

MID 499 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

Military Science

MIL 101 - Introduction to Military Science

Credit Hours: 2
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

Lecture contact hours: 2

Typically offered: Fall

MIL 102 - Introduction to Basic Military Skills

Credit Hours: 2
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.

Lecture contact hours: 2

Typically offered: Spring

MIL 125 - Leadership Fitness

Credit Hours: 1
Development of individual fitness and acquire the skills necessary to lead group fitness training. May be repeated to a maximum of three 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.

Prerequisite: permission of the instructor.
Lab contact hours: 3

Typically offered: Demand

MIL 211 - Basic Military Skills and Techniques

Credit Hours: 2
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.

Prerequisite: MIL 101 and MIL 102 or permission.
Lecture contact hours: 2 **Lab contact hours:** 1

Typically offered: Fall

MIL 212 - Military Fundamentals Practicum

Credit Hours: 2
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.

Prerequisite: permission.
Lecture contact hours: 2 **Lab contact hours:** 1

Typically offered: Spring

MIL 220 - Basic Military Science Fundamentals

Credit Hours: 2-5
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.

Prerequisite: permission.
Typically offered: Summer

MIL 225 - Basic Military Science Practicum

Credit Hours: 5
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.

Prerequisite: permission.
Typically offered: Fall, Summer

MIL 301 - Military Leadership and Operations

Credit Hours: 3
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.

Prerequisite: permission.
Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Fall

MIL 302 - Military Skill Building

Credit Hours: 3
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.

Prerequisite: permission.
Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Spring

MIL 325 - Advanced Military Science Practicum

Credit Hours: 5
A prerequisite to receive a commission in the U.S. Army through R.O.T.C. and for MIL 411 and MIL 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.

Lecture contact hours: 5

Typically offered: Fall, Summer

MIL 411 - Military Qualification Skills for the Advanced Cadet

Credit Hours: 3
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.

Prerequisite: permission.

Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Fall

MIL 412 - Transition from Cadet to Lieutenant

Credit Hours: 3
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.

Prerequisite: permission.
Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Spring

MIL 496 - Readings/Research in Military Science

Credit Hours: 1-3
Planned readings and research on subjects in or related to Military Science. May be repeated to a maximum of three hours. Cannot be taken Pass/Not Pass.

Prerequisite: permission.
Typically offered: Fall, Spring

Marketing

MKT 150 - Marketing Fundamentals

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 300 - Service-Learning in Marketing

Credit Hours: 1
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.

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.
Typically offered: Demand

MKT 350 - Principles of Marketing

Credit Hours: 3
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.

Prerequisite: 54 hours and PSY 121; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 351 - Consumer Behavior

Credit Hours: 3
An overview of the applied social science of consumer behavior, which observes the psychological and behavioral processes of consumers as they engage in the selection, acquisition, usage, and disposition of products in the global marketplace. Specifically, the course examines the internal and external influences on the consumer decision making process. Theories of consumer behavior and current research in the field of study are employed to elucidate some implications for marketing management strategy.

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 352 - Professional Sales

Credit Hours: 3
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.

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 354 - Principles of Advertising

Credit Hours: 3
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.

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 355 - Principles of Retailing

Credit Hours: 3
The application of retailing principles to real-world issues. Students are challenged to solve retailing scenarios using an "experience-based" format.

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

MKT 360 - Marketing Research

Credit Hours: 3
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.

Prerequisite: MKT 350 and QBA 337; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 364 - Operations Management

Credit Hours: 3
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.

Prerequisite: MGT 340; nonbusiness majors QBA 237 or equivalent; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 365 - Introduction to Logistics

Credit Hours: 3
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.

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 367 - Purchasing and Supply Management

Credit Hours: 3
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.

Prerequisite: MKT 364; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

MKT 368 - Supply Chain and Operations Modeling

Credit Hours: 3
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 models, inventory management, and queueing models.

Prerequisite: QBA 337; and MKT 364 or MKT 365 or MKT 450; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 380 - Creative Advertising

Credit Hours: 3
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.

Prerequisite: MKT 354; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

MKT 394 - Cooperative Education in Marketing

Credit Hours: 1-3
The opportunity to earn academic credit in a planned learning process that integrates academic training with supervised work experience. Variable content course. May be repeated to a maximum of six hours.

Prerequisite: acceptance into Cooperative Education Program and permission of the department head; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

MKT 410 - Services Marketing

Credit Hours: 3
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.

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 450 - Supply Chain Management and Sustainability

Credit Hours: 3
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.

Prerequisite: MKT 350 or BUS 510; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 451 - Advanced Professional Sales

Credit Hours: 3
This course 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.

Prerequisite: MKT 352; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 452 - Sales Management

Credit Hours: 3
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.

Prerequisite: MKT 352; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 455 - Advanced Retailing Practices

Credit Hours: 3
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.

Prerequisite: MKT 355; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

MKT 456 - Advanced Advertising

Credit Hours: 3
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.

Prerequisite: MKT 354; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 460 - Logistics and Supply Chain Strategy

Credit Hours: 3
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.

Prerequisite: MKT 450; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 464 - Global Supply Chain Management

Credit Hours: 3
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.

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

MKT 472 - Marketing Strategy

Credit Hours: 3
An analysis of the marketing concepts, functions, and principles involved in planning, implementing, and evaluating

the total marketing program of various organizations. This course emphasizes market analysis, targeting and segmenting, and the development of marketing-mix strategies structured to deliver superior customer value proposition and organizational performance.

Prerequisite: MKT 351 and MKT 360; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 474 - International Marketing

Credit Hours: 3
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.

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 476 - Futuristics: Business and Society

Credit Hours: 3
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.

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

MKT 480 - Advertising Campaigns

Credit Hours: 3
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 in a national competition.

Prerequisite: MKT 350; and permission of instructor; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

MKT 485 - Marketing Yourself

Credit Hours: 3
A participative course designed to provide students with information regarding the skills necessary to succeed in their

professional career.

Prerequisite: MKT 350; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 494 - Executive Internship-Marketing

Credit Hours: 3
Opportunity to obtain simultaneously the practical as well as the theoretical knowledge through internship with cooperating business executives. Graded Pass/Not Pass only.

Prerequisite: permission of department head; and undergraduate business majors must be admitted to degree program.
Typically offered: Fall, Spring

MKT 496 - Readings in Business Administration-Marketing

Credit Hours: 1-3
Planned readings designed to intensify and supplement the study of marketing.

Prerequisite: permission of the department head; and undergraduate business majors must be admitted to degree program.
Typically offered: Fall, Spring

MKT 497 - Topics in Marketing

Credit Hours: 1-3
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 maximum of three hours.

Prerequisite: MKT 350 and permission of the department head; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

MKT 510 - Digital and Social Media Marketing

Credit Hours: 3
An exploration and evaluation of marketing activities as they pertain to social media and an organization's online presence. Topics include the various tools available to marketers for establishing a social media presence, evaluating the effectiveness of social media strategies, and the use of online tools like display ads as part of an integrated marketing campaign. May be taught concurrently with MKT 610. Cannot receive credit for both MKT 510 and MKT 610.

Prerequisite: MKT 354 or MKT 355; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 515 - Contemporary Issues in Advertising/Promotion

Credit Hours: 3
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.

Prerequisite: MKT 350 and MKT 354; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 565 - Business Process Management

Credit Hours: 3
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.

Prerequisite: MKT 364; and undergraduate majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

MKT 570 - Marketing Analytics

Credit Hours: 3
This course covers a wide variety of analytical techniques commonly used to interpret marketing data, including but no limited to multiple regression analysis, general linear modeling, cluster analysis (for market segmentation), and multidimensional scaling (for perceptual maps). Emphasis is placed on using data to inform marketing policies and strategy. Students will use SPSS to edit and analyze primary and secondary data. May be taught concurrently with MKT 670. Cannot receive credit for both MKT 570 and MKT 670.

Prerequisite: MKT 350 and MKT 360; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

MKT 596 - Research Issues and Problems: Marketing

Credit Hours: 1-3
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.

Prerequisite: MKT 360 and permission of the department head; and undergraduate business majors must be admitted to degree program.
Typically offered: Demand

Museum Studies

MST 350 - Citizenship and Service-Learning in Museum Studies

Credit Hours: 1
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.

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.
Typically offered: Demand

MST 380 - Museum Collections Management

Credit Hours: 3
This course explores the development, storage, and preservation of museum collections.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Demand

MST 381 - Museum Exhibits

Credit Hours: 3
This course explores museum exhibit development, design, and preparation.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Demand

MST 382 - Museum Programs

Credit Hours: 3
This course explores museum educational programs and outreach.

Prerequisite: ENG 110.
Lecture contact hours: 3

Typically offered: Demand

MST 388 - The Museum: History and Perspectives

Credit Hours: 3
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.

Prerequisite: ENG 110 and permission of instructor.

Lecture contact hours: 3

Typically offered: Demand

MST 488 - Basic Conservation of Art and Artifacts

Credit Hours: 3
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.

Prerequisite: ART 273.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

MST 493 - Undergraduate Apprenticeship: Museum Applications in Special Topics

Credit Hours: 6
This undergraduate paid apprenticeship is an intensive instruction, hands-on training, and mentored work program that takes place at a museum or museum-related institution. This program will consist of a minimum of 48 hours of formal, in-person classroom education by instructors at the apprenticeship venue; hands-on-training at the apprenticeship venue; and of mentored work at the apprenticeship venue, for a total of at least 300 paid hours. Variable content course. Graded Pass/Not Pass only.

Prerequisite: permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Summer

MST 494 - Independent Study in Museum Studies

Credit Hours: 3
Individual projects and special problems in Museum Studies. May be repeated to a maximum of six hours.

Prerequisite: ART 271 or ART 272 or ART 273 or ART 274, and permission of instructor (granted only in special circumstances).
Lecture contact hours: 3

Typically offered: Demand

MST 495 - Museum Studies Internship

Credit Hours: 1-6
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 maximum of six hours. Graded Pass/Not Pass only.

Prerequisite: permission of instructor.
Typically offered: Demand

MST 496 - Selected Topics in Museum Studies

Credit Hours: 3
The specific topics will change from semester to semester depending upon the interest of students and professors, e.g. museum management, museum registration methods, controversy in museums. May be repeated to a maximum of six hours.

Prerequisite: ENG 110 and permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

MST 501 - Natural History Museum Techniques

Credit Hours: 2
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.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

Medical Technology

MTC 401 - Clinical Chemistry

Credit Hours: 9-12
Analytical and theoretical aspects of the clinical biochemistry of body fluid constituents, utilizing both manual and instrumental techniques including automation and special procedures.

Typically offered: Demand

MTC 402 - Clinical Microscopy-Urinalysis

Credit Hours: 1-3
Principles and techniques of the physical, chemical and microscopic examination of urine and other excreta as related to disease processes.

Typically offered: Demand

MTC 403 - Hematology-Coagulation

Credit Hours: 4-6
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.

Typically offered: Demand

MTC 404 - Serology-Immunology

Credit Hours: 3-4
The science of immunity including antibody development, principles of antigen-antibody interactions, and techniques of serological testing for various disease states.

Typically offered: Demand

MTC 405 - Clinical Microbiology

Credit Hours: 7
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.

Typically offered: Demand

MTC 406 - Blood Bank-Immunohematology

Credit Hours: 3-5
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.

Typically offered: Demand

MTC 407 - Special Topics in Medical Technology-Education and Management

Credit Hours: 2
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.

Typically offered: Demand

Mathematics

MTH 101 - Intermediate Algebra A

Credit Hours: 3
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 C grade or better is required in this course in order to take MTH 130, MTH 134, MTH 136, or MTH 138. Cannot be taken Pass/Not Pass.

Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

MTH 103 - Intermediate Algebra

Credit Hours: 3
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 C grade or better is required in this course in order to take MTH 130, MTH 134, MTH 136, or MTH 138. Cannot be taken Pass/Not Pass.

Prerequisite: appropriate score on the mathematics placement exam.
Lecture contact hours: 3

Typically offered: Fall, Spring

MTH 107 - Contemporary Mathematics Corequisite

Credit Hours: 1
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.

Prerequisite: concurrent enrollment in MTH 130.
Lab contact hours: 2

Typically offered: Fall, Spring, Summer

MTH 121 - Multicultural Views of History and Mathematics

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

MTH 130 - Contemporary Mathematics

Credit Hours: 3
General Education Course: Focus on Quantitative Literacy **CORE 42:** MOTR number MATH 120 - Mathematical Reasoning and Modeling.

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 134 or MTH 136.

Prerequisite: C grade or better in MTH 101 or MTH 103 or appropriate score on the mathematics placement exam; 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 appropriate score on the mathematics placement exam may enroll in MTH 130 concurrently with MTH 107.
Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

MTH 134 - Algebraic Reasoning and Modeling

Credit Hours: 3
General Education Course: Focus on Quantitative Literacy **CORE 42:** MOTR number MATH 120 - Mathematical Reasoning and Modeling.

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.

Prerequisite: C grade or better in MTH 101 or MTH 103 or appropriate score on the mathematics placement exam.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

Access the CORE 42 Portal

MTH 136 - Precalculus 1

Credit Hours: 3
General Education Course: Focus on Quantitative Literacy **CORE 42:** MOTR number MATH 130 - Pre-Calculus Algebra.

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). A C grade or better is required in this course in order to take MTH 137 or MTH 287. Cannot receive credit for both MTH 136 and MTH 138. Cannot count toward the mathematics major or minor. Cannot be taken Pass/Not Pass.

Prerequisite: C grade or better in MTH 101 or MTH 103 or appropriate score on the mathematics placement exam.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

Access the CORE 42 Portal

MTH 137 - Precalculus 2

Credit Hours: 3
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). A C grade or better is required to enroll in MTH 261. Cannot receive credit for both MTH 137 and MTH 138. Cannot count toward the mathematics major or minor. Cannot be taken Pass/Not Pass.

Prerequisite: C grade or better in MTH 136 or appropriate score on the mathematics placement exam.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

MTH 138 - Pre-Calculus Mathematics

Credit Hours: 5
General Education Course: Focus on Quantitative Literacy **CORE 42:** MOTR number MATH 150 - Pre-Calculus.

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 C grade or better is required in this course in order to take 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.

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.
Lecture contact hours: 5

Typically offered: Fall, Spring

Access the CORE 42 Portal

MTH 261 - Analytic Geometry and Calculus I

Credit Hours: 5
General Education Course: Focus on Quantitative Literacy

Analytic geometry of the plane, limits, continuity, differentiation with applications, introductory integration with applications. A C grade or better is required in this course in order to take MTH 280 or MTH 288. Cannot be taken Pass/Not Pass.

Prerequisite: C grade or better in MTH 137 or MTH 138 or appropriate score on the mathematics placement exam.
Lecture contact hours: 5

Typically offered: Fall, Spring

MTH 280 - Analytic Geometry and Calculus II

Credit Hours: 5
Applications of integration, integration techniques, indeterminate forms, improper integrals, sequences, series, conic sections, parametrization, polar coordinates. Cannot be taken Pass/Not Pass.

Prerequisite: C grade or better in MTH 261.
Lecture contact hours: 5

Typically offered: Fall, Spring

MTH 287 - Computational Calculus with Analytic Geometry I

Credit Hours: 3
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. A C grade or better is required in this course in order to take MTH 288. Cannot be taken Pass/Not Pass.

Prerequisite: C or better in MTH 136 or MTH 138 or approved score on a mathematics placement exam.
Lecture contact hours: 3

Typically offered: Fall

MTH 288 - Computational Calculus II

Credit Hours: 3
Continuation of MTH 287. Cannot receive credit toward graduation for both MTH 288 and MTH 280. Cannot be taken Pass/Not Pass.

Prerequisite: C grade or better in MTH 261 or MTH 287.
Lecture contact hours: 3

Typically offered: Spring

MTH 299 - Introductory Topics in Mathematics

Credit Hours: 1-3
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.

Typically offered: Demand

MTH 300 - Service-Learning in Mathematics

Credit Hours: 1
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. 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.

Prerequisite: 30 hours and concurrent registration in a Mathematics course designated as a service-learning offering.
Typically offered: Fall, Spring

MTH 302 - Multivariate Calculus

Credit Hours: 3
Vector algebra and calculus, solid analytic geometry, partial differentiation, multiple integration, vector fields.

Prerequisite: MTH 280.
Lecture contact hours: 3

Typically offered: Fall, Spring

MTH 303 - Differential Equations

Credit Hours: 3
Ordinary differential equations; their solutions and applications. Introduction to operators and the Laplace transformation.

Prerequisite: MTH 280.
Lecture contact hours: 3

Typically offered: Fall, Spring

MTH 314 - Discrete Mathematics

Credit Hours: 3
Topics include: logic, mathematical reasoning, basic counting, discrete probability, matrices, recursion, sets and relations, graphs and trees.

Prerequisite: MTH 137 or MTH 138 or approved calculus course or appropriate placement score.
Lecture contact hours: 3

Typically offered: Fall, Spring

MTH 315 - Algebraic Structures

Credit Hours: 3
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.

Prerequisite: MTH 261.
Lecture contact hours: 3

Typically offered: Fall, Spring

MTH 320 - Foundations of Mathematics for Teachers

Credit Hours: 3
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.

Prerequisite: completion of General Education mathematics requirement with C grade or better; MTH 130 recommended.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

MTH 333 - Linear Algebra

Credit Hours: 3
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.

Prerequisite: MTH 280.
Lecture contact hours: 3

Typically offered: Fall, Spring

MTH 340 - Statistical Methods

Credit Hours: 3
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, SPR 328, SOC 220.

Prerequisite: completion of General Education mathematics requirement or appropriate placement score.
Lecture contact hours: 3

Typically offered: Fall, Spring

MTH 343 - Foundations of Probability and Statistics for Teachers

Credit Hours: 3
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.

Prerequisite: C grade or better in MTH 261 or C grade or better in MTH 320.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

MTH 345 - Statistics for Scientists and Engineers

Credit Hours: 3
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.

Prerequisite: MTH 280 or MTH 288.
Lecture contact hours: 3

Typically offered: Fall, Spring

MTH 360 - Foundations of Geometry for Teachers

Credit Hours: 3
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.

Prerequisite: C grade or better in MTH 320.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

MTH 377 - Mathematical Processes

Credit Hours: 3
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.

Prerequisite: MTH 138; and MTH 340 or MTH 343.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

MTH 409 - Teaching and Learning of Mathematics I

Credit Hours: 3
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.

Prerequisite: SEC 302 and 15 hours of college mathematics, and admission to Teacher Education.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

MTH 410 - Teaching and Learning of Mathematics II, with Practicum

Credit Hours: 3
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 C grade 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.

Prerequisite: MTH 409, and admission to Teacher Education.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

MTH 411 - Teaching and Learning of Mathematics III

Credit Hours: 3
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 C grade or better is required in this course in order to take MTH 493. Cannot be taken Pass/Not Pass. Will not count toward the major GPA.

Prerequisite: MTH 409; and admission to Teacher Education; and concurrent enrollment in MTH 410.
Corequisite: MTH 410
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

MTH 421 - Numerical Analysis I

Credit Hours: 3
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.

Prerequisite: MTH 280.
Recommended Prerequisite: CSC 125 or CSC 130.

Lecture contact hours: 3

Typically offered: Demand

MTH 422 - Numerical Analysis II

Credit Hours: 3
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.

Prerequisite: MTH 303 and MTH 421.
Lecture contact hours: 3

Typically offered: Demand

MTH 450 - Theory of Interest

Credit Hours: 3
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.

Prerequisite: MTH 280.
Lecture contact hours: 3

Typically offered: Spring

MTH 460 - College Geometry

Credit Hours: 3
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.

Prerequisite: MTH 315.
Lecture contact hours: 3

Typically offered: Fall, Spring

MTH 478 - Mathematical Modeling for Teachers

Credit Hours: 3
Recommended Prerequisite: 15 hours of elementary or middle school mathematics. This course will focus on topics in upper elementary and middle school mathematics. This includes, within the context of problem solving: algebraic reasoning, proportional reasoning, integer operations, decimal operations, transformational geometry, and coordinate geometry. The course will also focus on integrating mathematical practices and process standards developed by professional organizations in mathematics education. The use of technological tools and manipulatives are embedded in the development of strategies for modeling mathematics. The course also includes school-based experiences for practical implementation.

Prerequisite: MTH 343 or MTH 360 or concurrent enrollment.
Recommended Prerequisite: 15 hours of elementary or middle school mathematics.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

MTH 479 - Mathematical Tools and Structures

Credit Hours: 3
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.

Prerequisite: MTH 343 or MTH 360.
Recommended Prerequisite: 15 hours of elementary or middle school mathematics.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

MTH 492 - Seminar in Supervised Teaching (Secondary Mathematics)

Credit Hours: 2
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 supervised teaching. Cannot be taken Pass/Not Pass. Course will not count toward the major GPA. Public Affairs Capstone Experience course.

Prerequisite: MTH 409 and MTH 410 and MTH 411; and C grade or better in all professional education courses; and current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in MTH 494.
Corequisite: MTH 494
Lecture contact hours: 2

Typically offered: Fall, Spring

MTH 493 - Supervised Teaching (Secondary Mathematics)

Credit Hours: 5-6
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.

Prerequisite: MTH 409 and MTH 410 and MTH 411; and C grade or better in all professional education courses; and current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in MTH 494.
Corequisite: MTH 494
Typically offered: Fall, Spring

MTH 494 - Supervised Teaching (Secondary Mathematics)

Credit Hours: 10
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 supervised teaching. Cannot be taken Pass/Not Pass. Course will not count toward the major GPA. Public Affairs Capstone Experience course.

Prerequisite: concurrent enrollment in MTH 492.
Corequisite: MTH 492
Typically offered: Fall, Spring

MTH 496 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

MTH 497 - Topics

Credit Hours: 1
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.

Prerequisite: 90 hours.
Recommended Prerequisite: completion of or concurrent enrollment in all mathematics courses required for the mathematics major.

Lecture contact hours: 1

Typically offered: Fall, Spring

MTH 503 - Advanced Calculus I

Credit Hours: 3
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 503 and MTH 603. Public Affairs Capstone Experience course.

Prerequisite: MTH 280 and MTH 315.

Lecture contact hours: 3

Typically offered: Fall, Spring

MTH 504 - Advanced Calculus II

Credit Hours: 3
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 504 and MTH 604.

Prerequisite: MTH 302 and MTH 503.
Lecture contact hours: 3

Typically offered: Demand

MTH 506 - Theory of Functions of a Complex Variable

Credit Hours: 3
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 506 and MTH 605.

Prerequisite: MTH 280 and MTH 315.
Lecture contact hours: 3

Typically offered: Demand

MTH 507 - Introduction to Partial Differential Equations

Credit Hours: 3
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 507 and MTH 607.

Prerequisite: MTH 302 and MTH 303 and MTH 315.
Lecture contact hours: 3

Typically offered: Demand

MTH 510 - High School Mathematics from an Advanced Perspective

Credit Hours: 3
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.

Prerequisite: permission of instructor.
Lecture contact hours: 3

Typically offered: Spring

MTH 532 - Introduction to Abstract Algebra

Credit Hours: 3
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 532 and MTH 631. Public Affairs Capstone Experience course.

Prerequisite: MTH 302 and MTH 315.
Lecture contact hours: 3

Typically offered: Fall

MTH 534 - Advanced Linear Algebra

Credit Hours: 3
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 534 and MTH 634.

Prerequisite: MTH 315 and MTH 333.
Lecture contact hours: 3

Typically offered: Demand

MTH 536 - Theory of Numbers

Credit Hours: 3
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 536 and MTH 636.

Prerequisite: MTH 302 and MTH 315.
Lecture contact hours: 3

Typically offered: Demand

MTH 537 - Applied Abstract Algebra

Credit Hours: 3
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 537 and MTH 637.

Prerequisite: MTH 333 or MTH 532.
Lecture contact hours: 3

Typically offered: Demand

MTH 540 - Statistical Theory I

Credit Hours: 3
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 540 and MTH 640. Public Affairs Capstone Experience course.

Prerequisite: MTH 302.
Lecture contact hours: 3

Typically offered: Fall

MTH 541 - Statistical Theory II

Credit Hours: 3
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 541 and MTH 643.

Prerequisite: MTH 540 or equivalent.
Lecture contact hours: 3

Typically offered: Spring

MTH 543 - Stochastic Modeling

Credit Hours: 3
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 543 and MTH 653.

Prerequisite: MTH 540.
Lecture contact hours: 3

Typically offered: Spring

MTH 545 - Applied Statistics

Credit Hours: 3
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 545 and MTH 645.

Prerequisite: 60 hours and completion of General Education Mathematics Requirement.
Lecture contact hours: 3

Typically offered: Fall

MTH 546 - Analysis of Variance and Design of Experiments

Credit Hours: 3
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 546 and MTH 646.

Prerequisite: MTH 345 or MTH 541 or MTH 545.
Lecture contact hours: 3

Typically offered: Demand

MTH 547 - Applied Regression Analysis

Credit Hours: 3
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 547 and MTH 647.

Prerequisite: MTH 345 or MTH 541 or MTH 545.
Lecture contact hours: 3

Typically offered: Demand

MTH 548 - Applied Time Series Analysis

Credit Hours: 3
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 548 and MTH 648. 3(3-0) F

Prerequisite: MTH 540; and MTH 345 or MTH 541 or MTH 545.
Lecture contact hours: 3

Typically offered: Fall

MTH 567 - Introduction to Non-Euclidean Geometry

Credit Hours: 3
Development of non-Euclidean geometries; intensive study of hyperbolic geometry. May be taught concurrently with MTH 667. Cannot receive credit for both MTH 567 and MTH 667.

Prerequisite: MTH 302 and MTH 315.
Lecture contact hours: 3

Typically offered: Spring

MTH 570 - Combinatorial Analysis

Credit Hours: 3
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 570 and MTH 670.

Prerequisite: MTH 280 and MTH 315.
Lecture contact hours: 3

Typically offered: Demand

MTH 575 - History of Mathematics

Credit Hours: 3
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 575 and MTH 675.

Prerequisite: MTH 302 and MTH 315.
Lecture contact hours: 3

Typically offered: Fall, Spring

MTH 580 - Applied Mathematics

Credit Hours: 3
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 580 and MTH 680.

Prerequisite: MTH 303 and MTH 333.
Lecture contact hours: 3

Typically offered: Demand

MTH 582 - Introductory Topology

Credit Hours: 3
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 582 and MTH 682.

Prerequisite: MTH 302 and MTH 315.
Lecture contact hours: 3

Typically offered: Demand

MTH 596 - Readings

Credit Hours: 1-3
Periodic conferences with an advisor are required. May be repeated to a maximum of six hours. May be taught concurrently with MTH 696. Cannot receive credit for both MTH 596 and MTH 696.

Prerequisite: permission of department head.
Typically offered: Fall, Spring

Music

MUS 100 - Music Fundamentals

Credit Hours: 2
CORE 42: MOTR number MUSC 101 - Music Fundamentals.

Rudiments of music (scales, key signatures, rhythms, intervals, notation) with their application within the context of music.

Lecture contact hours: 2

Typically offered: Demand

Access the CORE 42 Portal

MUS 101 - Beginning Piano

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall, Spring

MUS 103 - Theory and Musicianship I

Credit Hours: 3
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.

Prerequisite: MUS 100 or permission of department.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall

MUS 104 - Theory and Musicianship II

Credit Hours: 3
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.

Prerequisite: MUS 103.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Spring

MUS 107 - Recital Attendance I

Credit Hours: 0
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.

Typically offered: Fall, Spring

MUS 108 - Recital Attendance II

Credit Hours: 0
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.

Typically offered: Fall, Spring

MUS 115 - Musicianship for the Musical Theatre Performer I

Credit Hours: 3
Practical music training and skill development directly related to the music competencies needed by the Musical Theatre performer; notation, clefs, intervals, scales, rhythm and meter, terminology; triads and seventh chords; solfege, reading, and dictation of melodies and rhythms.

Lecture contact hours: 3

Typically offered: Fall

MUS 116 - Musicianship for the Musical Theatre Performer II

Credit Hours: 3
A continuation of MUS 115; practical music training and skill development directly related to the music competencies needed by the Musical Theatre performer; modal scales, chromatic harmony, modulation; complex and asymmetrical meters; reading and dictation of melodies, rhythms, and chord progressions.

Prerequisite: MUS 115.
Lecture contact hours: 3

Typically offered: Spring

MUS 119 - Jazz Theory/Jazz Keyboard Skills

Credit Hours: 2
The study of jazz theory and the practical application of functional jazz keyboard skills.

Prerequisite: MUS 103.
Lecture contact hours: 2

Typically offered: Spring

MUS 131 - String Techniques and Skills for the Music Educator

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Spring

MUS 133 - Guitar for the Music Educator I

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall, Spring

MUS 135 - Voice Class I

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall

MUS 136 - Voice Class II

Credit Hours: 1
Application of vocal principles is given on individual basis with the introduction of interpretation, style, and Italian diction.

Prerequisite: MUS 135.
Lab contact hours: 2

Typically offered: Fall, Spring

MUS 137 - Piano Class I

Credit Hours: 1
Coordination exercises, major scales, harmonization with I, IV, V7 chords, transposition, reading, elementary repertoire.

Prerequisite: MUS 100 or MUS 103 or MUS 115.
Lab contact hours: 2

Typically offered: Fall, Spring

MUS 138 - Piano Class II

Credit Hours: 1
Minor scales, harmonization of major and minor melodies, transposition, reading, repertoire.

Prerequisite: MUS 137.
Lab contact hours: 2

Typically offered: Fall, Spring

MUS 141 - Single Reed Techniques and Skills for the Music Educator

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall

MUS 142 - Flute and Double Reed Techniques and Skills for the Music Educator

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Spring

MUS 144 - High Brass Techniques and Skills for the Music Educator

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall

MUS 145 - Low Brass Techniques and Skills for the Music Educator

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Spring

MUS 146 - Percussion Techniques and Skills for the Music Educator I

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall

MUS 148 - Introduction to Music Teaching

Credit Hours: 2
This course is an orientation to Pre-K12 school music teaching across different class settings (e.g. general music, ensembles, music technology, fretted instruments, keyboard, music analysis, composition, etc.) and to the music teacher education program. Students explore and experience varied roles and responsibilities of music teaching with a diversity of leaners through hands-on practicum experiences. Students will design and lead musical activities, complete field observations and instruction and examine the working, knowledge experience and skills involved in teaching music. Initial formative assessments of the students' ability to lead instruction with their voice and fretted instruments (i.e., guitar ukulele) will be completed. The field observation and instruction component requires the student to carry professional liability insurance and obtain a Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI fingerprinting background check.

Lecture contact hours: 2 **Lab contact hours:** 1

Typically offered: Fall, Spring

MUS 149 - String (Instrument)

Credit Hours: 1-4
Applied instruction available in violin, viola, violoncello, bass viola. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 151 - Piano

Credit Hours: 1-4
Applied instruction in piano. May be repeated for credit.

Prerequisite: permision of instructor.
Typically offered: Fall, Spring

MUS 152 - Organ

Credit Hours: 1-4
Applied instruction in organ. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 153 - Voice

Credit Hours: 1-4
Applied instruction in voice. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 155 - Woodwind (Instrument)

Credit Hours: 1-4
Applied instruction available in flute, oboe, clarinet, bassoon, saxophone. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 156 - Brass (Instrument)

Credit Hours: 1-4
Applied instruction available in horn, trumpet, trombone, baritone, and tuba. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 157 - Percussion

Credit Hours: 1-4
Applied instruction in percussion instruments. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 158 - Guitar

Credit Hours: 1-4
Applied instruction in classical guitar. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 159 - Harp

Credit Hours: 1-4
Applied instruction in harp. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 160 - Carillon

Credit Hours: 1-4
Applied instruction in carillon. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 161 - Men's Chorus

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall, Spring

MUS 162 - Choral Union

Credit Hours: 1
CORE 42: MOTR number PERF 102C - Music Performance-Choir.

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.

Lab contact hours: 2

Typically offered: Fall, Spring

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MUS 163 - Women's Chorus

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall, Spring

MUS 168 - Chorale

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall, Spring

MUS 172 - Small Ensemble

Credit Hours: 1
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.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Fall, Spring

MUS 173 - Chamber Orchestra

Credit Hours: 1
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. 1(1-1) F,S

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 1

Typically offered: Fall, Spring

MUS 174 - Jazz Ensemble

Credit Hours: 1
Laboratory course in instrumentation, materials, arranging and organization of Jazz Ensemble. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Fall, Spring

MUS 175 - Band

Credit Hours: 1
CORE 42: MOTR number PERF 102B - Music Performance-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.

Lab contact hours: 4

Typically offered: Fall, Spring

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MUS 176 - University Symphony

Credit Hours: 1
CORE 42: MOTR number PERF 102O - Music Performance-Orchestra.

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.

Lab contact hours: 2

Typically offered: Fall, Spring

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MUS 177 - Marching Band

Credit Hours: 1
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. No more than two hours of MUS 177 or MUS 377 may be counted toward Large Ensemble credit.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Fall

MUS 178 - University/Community Band

Credit Hours: 1
CORE 42: MOTR number PERF 102B - Music Performance-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. Only 8 hours of

ensembles can be counted toward a degree.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Fall, Spring

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MUS 192 - Accompanying

Credit Hours: 1
Development of skills in accompanying for pianist. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Fall, Spring

MUS 193 - Opera Workshop

Credit Hours: 1
Preparation and production of opera as it pertains to singing actors and ensembles. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Fall, Spring

MUS 200 - Principles and General Methods of Music Education

Credit Hours: 3
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 C grade or better is required in this course to be admitted to Teacher Education. 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.

Prerequisite: MUS 148.
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Fall, Spring

MUS 203 - Theory and Musicianship III

Credit Hours: 3
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.

Prerequisite: MUS 104.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall

MUS 204 - Theory and Musicianship IV

Credit Hours: 3
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.

Prerequisite: MUS 203.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Spring

MUS 207 - Recital Attendance III

Credit Hours: 0
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.

Typically offered: Fall, Spring

MUS 208 - Recital Attendance IV

Credit Hours: 0
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.

Typically offered: Fall, Spring

MUS 216 - Introduction to Audio Techniques

Credit Hours: 3
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).

Prerequisite: departmental permission.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

MUS 219 - Jazz Improvisation I

Credit Hours: 2
The study of beginning improvisation including chord/scale relationship, ii-V-I in all twelve major keys, blues, standards, and solo transcription.

Prerequisite: MUS 104.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall

MUS 220 - Jazz Improvisation II

Credit Hours: 2
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.

Prerequisite: MUS 219.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring

MUS 237 - Piano Class III

Credit Hours: 1
Chord patterns for harmonization using secondary chords, broken chords, instrumental and vocal scores, ensemble playing, repertoire.

Prerequisite: MUS 138.
Lab contact hours: 2

Typically offered: Fall, Spring

MUS 239 - Introduction to World Music

Credit Hours: 3
General Education Course: Focus on the Arts **CORE 42:** MOTR number MUSC 102 - World Music.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

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MUS 241 - The Language of Music

Credit Hours: 3
General Education Course: Focus on Humanities **CORE 42:** MOTR number MUSC 100 - Music Appreciation.

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.

Prerequisite: Open to all students except music majors.
Lecture contact hours: 3

Typically offered: Fall, Spring

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MUS 249 - String Instrument

Credit Hours: 1-4
Applied instruction available in violin, viola, violoncello, bass viol. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 251 - Piano

Credit Hours: 1-4
Applied instruction in piano. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 252 - Organ

Credit Hours: 1-4
Applied instruction in organ. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 253 - Voice

Credit Hours: 1-4
Applied instruction in voice. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 255 - Woodwind (Instrument)

Credit Hours: 1-4
Applied instruction available in flute, oboe, clarinet, bassoon, saxophone. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 256 - Brass (Instrument)

Credit Hours: 1-4
Applied instruction available in horn, trumpet, trombone, baritone, and tuba. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 257 - Percussion

Credit Hours: 1-4
Applied instruction in percussion instruments. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 258 - Guitar

Credit Hours: 1-4
Applied instruction in classical guitar. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 259 - Harp

Credit Hours: 1-4
Applied instruction in harp. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 260 - Carillon

Credit Hours: 1-4
Applied instruction in carillon. May be repeated for credit.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 280 - Musical Theatre Workshop

Credit Hours: 1-3
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.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 294 - Singing Diction I

Credit Hours: 1
Proper pronunciation of English, Italian, and Latin; mastery of the International Phonetic Alphabet.

Lab contact hours: 2

Typically offered: Fall

MUS 295 - Singing Diction II

Credit Hours: 1
Proper pronunciation of German and French; continued application of the International Phonetic Alphabet.

Prerequisite: MUS 294.
Lab contact hours: 2

Typically offered: Spring

MUS 298 - Upper Division Applied Status

Credit Hours: 0
Evaluation of lower division (100 and 200 level) applied studies is required by the end of the sophomore year of all pre-admitted music majors at the conclusion of the fourth semester of applied study. This evaluation is also required of transfer students. Grade of Pass/Not Pass will be assigned by the area coordinator in consultation with the area applied faculty. Specific requirements may vary by applied area and are found in the course syllabus. This course serves as a checkpoint/gateway to upper division applied courses and partially fulfills admission requirements to the major. Graded Pass/Not Pass only.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 301 - Service-Learning in Music

Credit Hours: 1
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.

Prerequisite: 30 hours, concurrent registration in a Music course designated as a service-learning offering.
Typically offered: Fall, Spring

MUS 307 - Recital Attendance V

Credit Hours: 0
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.

Prerequisite: piano proficiency.
Typically offered: Fall, Spring

MUS 308 - Recital Attendance VI

Credit Hours: 0
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.

Prerequisite: piano proficiency.
Typically offered: Fall, Spring

MUS 313 - 16th Century Counterpoint

Credit Hours: 2
Analysis and writing in the style of the vocal music of the late Renaissance as embodied in the sacred vocal works of Palestrina.

Prerequisite: MUS 203.
Lecture contact hours: 2

Typically offered: Spring Even

MUS 314 - 18th Century Counterpoint

Credit Hours: 2
Analysis and writing in the style of the instrumental music of the late Baroque as embodied in the keyboard works of J.S. Bach.

Prerequisite: MUS 203.
Lecture contact hours: 2

Typically offered: Spring Odd

MUS 315 - Form and Analysis

Credit Hours: 2
The study of formal aspects of music, ranging from smaller structural units to complete movements. Analysis of forms and styles from selected historical periods.

Prerequisite: MUS 204.
Lecture contact hours: 2

Typically offered: Fall, Spring

MUS 316 - Advanced Audio Recording Techniques

Credit Hours: 3
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.

Prerequisite: MUS 216 and permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

MUS 319 - Jazz Improvisation III

Credit Hours: 2
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.

Prerequisite: MUS 220.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

MUS 321 - Conducting

Credit Hours: 2
Fundamentals of conducting, with emphasis upon basic baton techniques, transposition and score reading.

Prerequisite: MUS 104.
Lecture contact hours: 2

Typically offered: Fall

MUS 322 - Conducting-Choral

Credit Hours: 2
Conducting techniques specifically related to choral music.

Prerequisite: MUS 321.
Lecture contact hours: 2

Typically offered: Spring

MUS 323 - Conducting-Instrumental

Credit Hours: 2
Conducting techniques specifically related to instrumental music.

Prerequisite: MUS 321.
Lecture contact hours: 2

Typically offered: Spring

MUS 327 - Composition Class

Credit Hours: 2
Requires composition of short musical pieces using a variety of styles, and the analysis of works by 20th century composers.

Prerequisite: MUS 103.
Lecture contact hours: 2

Typically offered: Spring

MUS 328 - Instrumentation

Credit Hours: 2
Techniques, arranging, scoring and transcribing for large and small ensembles; with attention given to the practical application in a teaching situation.

Prerequisite: MUS 203.
Lecture contact hours: 2

Typically offered: Fall

MUS 340 - Adaptive Music for Special Learners

Credit Hours: 2
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.

Prerequisite: music major and admitted to Teacher Education.
Lecture contact hours: 2

Typically offered: Fall

MUS 343 - Musical Theatre History I

Credit Hours: 3
Development of musical theatre in England, continental Europe and America from The Beggar's Opera, 1728 to Show Boat, 1927.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

MUS 344 - Musical Theatre History II

Credit Hours: 3
Development of musical theatre mainly in America from Show Boat, 1927 to present. Public Affairs Capstone Experience course.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

MUS 345 - Music in Western Culture and Society I

Credit Hours: 3
CORE 42: MOTR number MUSC 103 - Music History 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.

Lecture contact hours: 3

Typically offered: Fall

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MUS 346 - Music in Western Culture and Society II

Credit Hours: 3
CORE 42: MOTR number MUSC 104 - Music History 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.

Lecture contact hours: 3

Typically offered: Spring

Access the CORE 42 Portal

MUS 347 - History of Jazz in American Culture

Credit Hours: 3
CORE 42: MOTR number MUSC 100J - Music Appreciation-Jazz.

The development of jazz music in America. The historical unfolding of jazz art music and developmental advances from early 20th century to the present.

Lecture contact hours: 3

Typically offered: Spring Even

Access the CORE 42 Portal

MUS 349 - String (Instrument)

Credit Hours: 1-4
Applied instruction available in violin, viola, violoncello, bass viol. May be repeated for credit.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 351 - Piano

Credit Hours: 1-4
Applied instruction in piano. May be repeated for credit.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 352 - Organ

Credit Hours: 1-4
Applied instruction in organ. May be repeated for credit.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 353 - Voice

Credit Hours: 1-4
Applied instruction in voice. May be repeated for credit.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 355 - Woodwind (Instrument)

Credit Hours: 1-4
Applied instruction available in flute, oboe, clarinet, bassoon, saxophone. May be repeated for credit.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 356 - Brass (Instrument)

Credit Hours: 1-4
Applied instruction available in French horn, trumpet, trombone, baritone, tuba. May be repeated for credit.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 357 - Percussion

Credit Hours: 1-4
Applied instruction in percussion instruments. May be repeated for credit.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 358 - Guitar

Credit Hours: 1-4
Applied instruction in classical guitar. May be repeated for credit.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 359 - Harp

Credit Hours: 1-4
Applied instruction in harp. May be repeated for credit.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 360 - Carillon

Credit Hours: 1-4
Applied instruction in carillon. May be repeated for credit.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 361 - Men's Chorus

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall, Spring

MUS 362 - Choral Union

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall, Spring

MUS 363 - Women's Chorus

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall, Spring

MUS 368 - Chorale

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall, Spring

MUS 372 - Small Ensemble

Credit Hours: 1
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.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Fall, Spring

MUS 373 - Chamber Orchestra

Credit Hours: 1
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.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 1

Typically offered: Fall, Spring

MUS 374 - Jazz Ensemble

Credit Hours: 1
Laboratory course in instrumentation, materials, arranging and organization of Jazz Ensemble. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Fall, Spring

MUS 375 - Band

Credit Hours: 1
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.

Lab contact hours: 4

Typically offered: Fall, Spring

MUS 376 - University Symphony

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall, Spring

MUS 377 - Marching Band

Credit Hours: 1
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. No more than two hours of MUS 177 or MUS 377 may be counted toward Large Ensemble credit.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Fall

MUS 380 - Musical Theatre Workshop

Credit Hours: 1-3
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.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 392 - Accompanying

Credit Hours: 1
Development of skills in accompanying for pianist. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Fall, Spring

MUS 393 - Opera Workshop

Credit Hours: 1
Preparation and production of opera as it pertains to singing actors and ensembles. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

Prerequisite: permission of instructor.
Lab contact hours: 2

Typically offered: Fall, Spring

MUS 398 - Junior Recital

Credit Hours: 2-4
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.

Prerequisite: MUS 298 and permission of instructor.
Typically offered: Fall, Spring

MUS 399 - Special Topics in Music

Credit Hours: 1-3
Topic of interest determined by student and professor. May be repeated, as topics change, to maximum of 6 credit hours. Variable content course.

Prerequisite: permission of instructor.
Typically offered: Demand

MUS 407 - Recital Attendance VII

Credit Hours: 0
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.

Prerequisite: piano proficiency.
Typically offered: Fall, Spring

MUS 410 - Middle Childhood and Preadolescent Vocal Methods and Materials

Credit Hours: 3
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.

Prerequisite: admission to Teacher Education; and MUS 204 and MUS 322 and MUS 518.
Lecture contact hours: 3

Typically offered: Fall

MUS 411 - Secondary Instrumental Methods and Materials

Credit Hours: 3
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).

Prerequisite: admission to Teacher Education; and MUS 204 and MUS 323 and MUS 328.
Lecture contact hours: 3

Typically offered: Fall

MUS 416 - Recording Arts Practicum

Credit Hours: 3
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.

Prerequisite: permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

MUS 430 - Music in Early Childhood and the Elementary School

Credit Hours: 3
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.

Prerequisite: admission to Teacher Education.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

MUS 449 - String (Instrument)

Credit Hours: 1-4
Applied instruction available in violin, viola, violoncello, bass viol. May be repeated for credit. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 451 - Piano

Credit Hours: 1-4
Applied instruction in piano. May be repeated for credit. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 452 - Organ

Credit Hours: 1-4
Applied instruction in organ. May be repeated for credit. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 453 - Voice

Credit Hours: 1-4
Applied instruction in voice. May be repeated for credit. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 455 - Woodwind (Instrument)

Credit Hours: 1-4
Applied instruction available in flute, oboe, clarinet, bassoon, saxophone. May be repeated for credit. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 456 - Brass (Instrument)

Credit Hours: 1-4
Applied instruction available in horn, trumpet, trombone, baritone, and tuba. May be repeated for credit. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 457 - Percussion

Credit Hours: 1-4
Applied instruction in percussion instruments. May be repeated for credit. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 458 - Guitar

Credit Hours: 1-4
Applied instruction in classical guitar. May be repeated for credit. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 459 - Harp

Credit Hours: 1-4
Applied instruction in harp. May be repeated for credit. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 460 - Carillon

Credit Hours: 1-4
Applied instruction in carillon. May be repeated for credit. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor; and admission to Music degree program.
Typically offered: Fall, Spring

MUS 480 - Musical Theatre Workshop

Credit Hours: 1-3
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.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 488 - Seminar in Supervised Teaching

Credit Hours: 2
A blended seminar focused on the analysis of diverse teaching contexts, student learning, and field experiences during supervised 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.

Prerequisite: all coursework required for the Bachelor of Music Education completed including the senior recital and piano proficiency; and minimum combined (Missouri State and transfer) GPA of 2..75; and minimum GPA in Music of 3.00 with no grade lower than a C; and minimum GPA of 3.00 in professional education; and concurrent enrollment in MUS 494 and MUS 496.
Corequisite: MUS 494, MUS 496
Lecture contact hours: 2

Typically offered: Fall, Spring

MUS 494 - Supervised Teaching (Elementary Music K-6)

Credit Hours: 5
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 supervised 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.

Prerequisite: all coursework required for the Bachelor of Music Education completed including the senior recital and piano proficiency; and minimum combined (Missouri State and transfer) GPA of 2..75; and minimum GPA of 3.00 in music with no grade lower than a C; and minimum GPA of 3.00 in professional education; and current pre-professional liability insurance; and completion of Transition Points 1 and 2; and approval for supervised teaching; and concurrent enrollment in MUS 496 and MUS 488.
Corequisite: MUS 488, MUS 496
Typically offered: Fall, Spring

MUS 496 - Supervised Teaching (Secondary Music 7-12)

Credit Hours: 5
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 supervised 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.

Prerequisite: all coursework required for the Bachelor of Music Education completed including the senior recital and piano proficiency; and minimum combined (Missouri State and transfer) GPA of 2..75; and minimum GPA of 3.00 in music with no grade lower than a C; and minimum GPA of 3.00 in professional education; and current pre-professional liability insurance; and completion of Transition Points 1 and 2; and approval for supervised teaching; and concurrent enrollment in MUS 488 and MUS 494.
Corequisite: MUS 488, MUS 494
Typically offered: Fall, Spring

MUS 498 - Senior Recital

Credit Hours: 2-4
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.

Prerequisite: MUS 298, and permission of instructor, 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.
Typically offered: Fall, Spring

MUS 499 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

MUS 501 - Music Education Workshop

Credit Hours: 1-3
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 501 and MUS 611.

Typically offered: Spring

MUS 503 - Orff in the Classroom

Credit Hours: 3
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 503 and MUS 613.

Lecture contact hours: 3

Typically offered: Fall

MUS 506 - Band Administration and Materials

Credit Hours: 1-3
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 506 and MUS 606.

Typically offered: Fall Even

MUS 510 - Adolescent and Early Adult Choral/Vocal Literature and Materials for Secondary Levels

Credit Hours: 3
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.

Prerequisite: admission to Teacher Education; MUS 204 and MUS 321 and MUS 518.
Lecture contact hours: 3

Typically offered: Spring

MUS 516 - Composition I

Credit Hours: 2-4
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 516 and MUS 616.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 517 - Composition II

Credit Hours: 2-4
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 517 and MUS 617.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 518 - Choral Arranging

Credit Hours: 2
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 518 and MUS 618.

Prerequisite: MUS 203.
Lecture contact hours: 2

Typically offered: Fall

MUS 520 - Composition III

Credit Hours: 2-4
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 520 and MUS 619. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 521 - Composition IV

Credit Hours: 2-4
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 521 and MUS 621. Public Affairs Capstone Experience course.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring

MUS 522 - Keyboard Literature I

Credit Hours: 2
Keyboard works from Antiquity to the Baroque. May be taught concurrently with MUS 622. Cannot receive credit for both MUS 522 and MUS 622.

Recommended Prerequisite: MUS 345 and MUS 346 .

Lecture contact hours: 2

Typically offered: Fall Even

MUS 523 - Keyboard Literature II

Credit Hours: 2
Keyboard works from the Classical Period to the present. May be taught concurrently with MUS 623. Cannot receive credit for both MUS 523 and MUS 623.

Recommended Prerequisite: MUS 345 and MUS 346.

Lecture contact hours: 2

Typically offered: Spring

MUS 524 - Song and Opera Literature

Credit Hours: 2
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 524 and MUS 624.

Lecture contact hours: 2

Typically offered: Fall Even

MUS 526 - Advanced Arranging

Credit Hours: 3
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. Variable content course. May be repeated to a maximum of six hours when topic varies. May be taught concurrently with MUS 626. Cannot receive credit for both MUS 526 and MUS 626.

Prerequisite: MUS 204.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

MUS 529 - Introduction to Commercial Music

Credit Hours: 3
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 529 and MUS 629.

Prerequisite: permission of instructor.
Lecture contact hours: 3

Typically offered: Spring

MUS 530 - Vocal Pedagogy and Materials

Credit Hours: 3
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 530 and MUS 630.

Lecture contact hours: 3

Typically offered: Fall Odd

MUS 538 - Survey of Pedagogical Methods

Credit Hours: 2
A study of methods of teaching applied music. May be taught concurrently with MUS 658. Cannot receive credit for both MUS 538 and MUS 658.

Lecture contact hours: 2

Typically offered: Demand

MUS 539 - String Pedagogy and Instrumental Literature and Materials for Elementary and Secondary Levels

Credit Hours: 3
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 539 and MUS 659.

Prerequisite: permission of instructor.
Lecture contact hours: 3

Typically offered: Spring

MUS 541 - Keyboard Harmony

Credit Hours: 2
Development of keyboard harmony skills through study and practice of figured bass, score reading, transposition, chord structures, harmonic progressions, and improvisation. May be taught concurrently with MUS 641. Cannot receive credit for both MUS 541 and MUS 641.

Prerequisite: piano proficiency.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring Even

MUS 543 - Music of the Renaissance

Credit Hours: 3
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 543 and MUS 683.

Prerequisite: MUS 345.
Lecture contact hours: 3

Typically offered: Demand

MUS 544 - Music of the Baroque Era

Credit Hours: 3
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 544 and MUS 684.

Prerequisite: MUS 345.
Lecture contact hours: 3

Typically offered: Demand

MUS 545 - Music of the Classical Era

Credit Hours: 3
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 545 and MUS 685.

Prerequisite: MUS 346.
Lecture contact hours: 3

Typically offered: Demand

MUS 546 - Music of the Romantic Era

Credit Hours: 3
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 546 and MUS 686.

Prerequisite: MUS 346.
Lecture contact hours: 3

Typically offered: Demand

MUS 547 - Music Since 1900

Credit Hours: 3
A comprehensive study of Western music from 1900 to the present. May be taught concurrently with MUS 687. Cannot receive credit for both MUS 547 and MUS 687.

Prerequisite: MUS 346.
Lecture contact hours: 3

Typically offered: Demand

MUS 548 - Choral Literature

Credit Hours: 2
Choral literature from the Renaissance through the 20th Century. May be taught concurrently with MUS 688. Cannot receive credit for both MUS 548 and MUS 688.

Lecture contact hours: 2

Typically offered: Demand

MUS 561 - Men's Chorus

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall, Spring

MUS 563 - Women's Chorus

Credit Hours: 1
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.

Lab contact hours: 2

Typically offered: Fall, Spring

MUS 580 - Instrumental Conducting

Credit Hours: 1-3
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 580 and MUS 670. May be repeated for variable credit hours to a maximum of 12 hours.

Prerequisite: MUS 323.
Typically offered: Fall

MUS 581 - Choral Conducting

Credit Hours: 1-3
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 581 and MUS 671. May be repeated for variable credit hours to a maximum of 12 hours.

Prerequisite: MUS 322.
Typically offered: Fall

MUS 599 - Special Topics in Music

Credit Hours: 1-3
Topic of interest determined by student and professor. Variable content course. May be repeated, as topics change, to a maximum of six hours. May be taught concurrently with MUS 689. Cannot receive credit for both MUS 599 and MUS 689.

Prerequisite: permission of instructor.
Typically offered: Demand

Nursing-RN Completion Program

NRS 306 - Professional Emergence

Credit Hours: 3
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.

Prerequisite: admission to Nursing (completion program for registered nurses).
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

NRS 335 - Pathophysiology for the Registered Nurse

Credit Hours: 3
This course provides a study of the essential concepts of major diseases/disorders and disease processes relevant to the registered nurse.

Prerequisite: admission to Nursing (completion program for registered nurses); and meet program progression requirements or permission of instructor.
Lecture contact hours: 3

Typically offered: Fall, Spring

NRS 338 - Pharmacology for the Registered Nurse

Credit Hours: 3
This course provides an in-depth study of the pharmacological treatments of the most current diseases/disorders and disease processes identified in Missouri.

Prerequisite: NRS 335 or permission of the instructor; and admission to Nursing (completion program for registered nurses); and meet program progression requirements.
Lecture contact hours: 3

Typically offered: Fall, Spring

NRS 341 - Nursing: Individuals and Families

Credit Hours: 3
Application of nursing theory and nursing process in the health care of individuals and families.

Prerequisite: RN; and admission to Nursing (completion program for registered nurses); and meet program progression requirements.
Lecture contact hours: 3

Typically offered: Fall, Spring

NRS 342 - Nursing: Health Assessment

Credit Hours: 3
Improvement and utilization of skills in health history interviewing and physical assessment of clients throughout the life span.

Prerequisite: admission to Nursing (completion program for registered nurses); and meet program progression requirements.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

NRS 357 - Evidence Based Practice for the Registered Nurse

Credit Hours: 3
This course provides the registered nurse an introduction to nursing research, evidence-based practice, and concepts of quality improvement at the baccalaureate level. This course will examine basic components of qualitative and quantitative research, correlations between patient-centered care, safety, evidence-based practice, and patient outcomes.

Prerequisite: admission to Nursing (completion program for registered nurses); and meet program progression requirements.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

NRS 442 - Community Health Nursing I

Credit Hours: 3
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.

Prerequisite: admission to Nursing (completion program for registered nurses); and permission of instructor.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

NRS 443 - Community Health Nursing II

Credit Hours: 3
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. Includes direct learning experience at the advanced nursing level. Public Affairs Capstone Experience.

Prerequisite: NRS 442; and admission to Nursing (completion program for registered nurses).
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

NRS 482 - Advanced Leadership and Management for Registered Nurses

Credit Hours: 3
Development of the licensed registered nurse as a leader and manager in diverse settings. Includes direct learning experiences at the advanced level.

Prerequisite: admission to Nursing (completion program for registered nurses).
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

NRS 515 - Healthcare Informatics

Credit Hours: 3
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 healthcare. Identical with NUR 515 . Cannot receive credit for both NUR 515 and NRS 515. May be taught concurrently with NUR 635. Cannot receive credit for both NRS 515 and NUR 635.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

NRS 565 - Advanced Human Pathophysiology

Credit Hours: 3
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.

Prerequisite: admission to Nursing (completion program for registered nurses).
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

Nursing

NUR 199 - Health Topics

Credit Hours: 1-3
Topics of general interest in health care system, and the health professions. Variable content course. Topics may vary each semester. May be repeated to a maximum of 10 hours provided the same topic is not repeated.

Typically offered: Fall, Spring

NUR 300 - Nursing Transition

Credit Hours: 2
Content relevant to the transition from the practical nurse role to the professional registered nurse role.

Prerequisite: graduate of a practical nurse program approved by a US state board of nursing.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall

NUR 302 - Concepts in Nursing

Credit Hours: 3
Introduction to nursing process, theory, and concepts relevant to professional nursing.

Prerequisite: admission to Nursing (Pre-licensure).
Lecture contact hours: 3

Typically offered: Fall, Spring

NUR 303 - Fundamentals of Nursing

Credit Hours: 5
Introduction to basic nursing skills, including math concepts required for calculations of medications, and technology used in professional nursing. Includes clinical experience of not less than 90 hours.

Prerequisite: admission to Nursing (pre-licensure program).
Lecture contact hours: 3 **Lab contact hours:** 6

Typically offered: Fall, Spring, Summer

NUR 304 - Medical Surgical Nursing I

Credit Hours: 2-6
Introduction to complex skills, technology, and nursing care of the adult client in professional nursing. Includes clinical experience of not less than 90 hours. May be repeated to a maximum of six hours.

Prerequisite: admission to Nursing (pre-licensure program); and meet program progression requirements.
Typically offered: Fall, Spring, Summer

NUR 312 - Medical Surgical Nursing II

Credit Hours: 2-6
Professional nursing care of adult clients experiencing acute and chronic illness. Includes clinical experience of not less than 90 hours. May be repeated to a maximum of six hours.

Prerequisite: admission to Nursing (Pre-licensure); and meet program progression requirements.
Typically offered: Fall, Spring, Summer

NUR 322 - Nursing: The Childbearing Family

Credit Hours: 1-4
Professional nursing care of childbearing families in diverse settings. Includes clinical experience of not less than 45 hours. May be repeated to a maximum of four hours.

Prerequisite: admission to Nursing (Pre-licensure); and meet program progression requirements.
Typically offered: Fall, Spring, Summer

NUR 323 - Nursing: The Pediatric Client and Family

Credit Hours: 1-4
Professional nursing care of pediatric clients and their families in diverse settings. Includes clinical experience of not less than 45 hours. May be repeated to a maximum of four hours.

Prerequisite: admission to Nursing (pre-licensure program); and meet program progression requirements.
Typically offered: Fall, Spring, Summer

NUR 326 - Current Issues in Children's Health and Safety

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

NUR 327 - Issues in Women's Health

Credit Hours: 1
Issues concerning women's health. Content is appropriate for non-nursing majors. Variable course content. Cannot be

used to meet the nursing elective requirement.

Lecture contact hours: 1

Typically offered: Demand

NUR 331 - Nursing: The Mental Health Client

Credit Hours: 1-4
Professional nursing care of mental health clients in diverse settings. Includes clinical experience of not less than 48 hours. May be repeated to a maximum of four hours.

Prerequisite: admission to Nursing (Pre-licensure); and meet program progression requirements.
Typically offered: Fall, Spring, Summer

NUR 342 - Nursing: Health Assessment

Credit Hours: 1-4
Acquisition and utilization of skills in health history interviewing and physical assessment of clients throughout the life span. May be repeated to a maximum of four hours.

Prerequisite: admission to Nursing (Pre-licensure); and meet program progression requirements.
Typically offered: Fall, Spring, Summer

NUR 355 - Nursing: Pathophysiology for Healthcare Providers

Credit Hours: 3
Exploration of pathophysiology with a focus on health care problems relevant to the entry-level nurse or healthcare professional.

Prerequisite: admission to Nursing (Pre-licensure); and introductory biology course and physiology course; and meet program progression requirements or permission of instructor.
Lecture contact hours: 3

Typically offered: Fall, Spring

NUR 360 - Introduction to Pharmacology

Credit Hours: 3
Introduction to basic pharmacology, pharmacokinetics and pharmacodynamics of major drug classifications.

Prerequisite: admission to Nursing (Pre-licensure); and meet program progression requirements, or permission of instructor.
Lecture contact hours: 3

Typically offered: Fall, Spring

NUR 416 - Nursing: The Older Adult Client

Credit Hours: 2
Professional nursing care of older adults in diverse settings.

Prerequisite: admission to Nursing (Pre-licensure); and meet program progression requirements.
Lecture contact hours: 2

Typically offered: Fall, Spring

NUR 420 - Integrative Healthcare Concepts

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

NUR 442 - Nursing: Community Health

Credit Hours: 1-4
Theory and clinical experience in community nursing practice 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 45 hours. May be repeated to a maximum of four hours.

Prerequisite: admission to Nursing (Pre-licensure); and meet program progression requirements.
Typically offered: Fall, Spring, Summer

NUR 475 - Nursing Internship

Credit Hours: 3
This clinical course fosters the development of nursing roles, clinical nursing skills, communication, therapeutic nursing interventions, and critical thinking in approved health care agencies and in the community. Will include clinical hours of not less than 135 hours. May be repeated. Graded Pass/Not Pass only.

Prerequisite: admission to Nursing (Pre-licensure).
Lab contact hours: 9

Typically offered: Fall, Spring, Summer

NUR 478 - Nursing: Senior Seminar

Credit Hours: 2
Exploration of issues and policies affecting nursing as a profession. Also includes preparation for licensure.

Prerequisite: admission to Nursing (Pre-licensure); and meet program progression requirements.
Lecture contact hours: 2

Typically offered: Fall, Spring

NUR 482 - Nursing: Leadership and Management

Credit Hours: 4
Development of the nurse as a leader and manager in diverse settings. Includes clinical experience of not less than 45 hours. Public Affairs Capstone Experience course**.**

Prerequisite: admission to Nursing (pre-licensure program); and meet program progression requirements.
Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Fall, Spring, Summer

NUR 487 - Research and Evidence-Based Practice

Credit Hours: 3
This course provides the student an introduction of nursing research and scholarly writing, evidence-based practice, and concepts of quality improvement.

Prerequisite: admission to the Nursing (Pre-licensure); and meet program progression requirements.
Lecture contact hours: 3

Typically offered: Fall, Spring

NUR 490 - Advanced Medical-Surgical Nursing

Credit Hours: 4
An overview of physiological, psychological, social, cultural, legal and ethical factors that influence the health of persons with critical health needs. Emphasis will be placed on roles and responsibilities of the nurse caring for patients with complex medical-surgical conditions. Includes clinical experiences of no less than 45 hours.

Prerequisite: NUR 312; admission to Nursing (pre-licensure program); and meet progression requirements.
Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Fall, Spring, Summer

NUR 492 - Basic EKG Interpretation

Credit Hours: 1
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.

Prerequisite: admission to Nursing (Pre-licensure or completion program for registered nurses); and meet program progression requirements or permission of instructor.
Lecture contact hours: 1

Typically offered: Demand

NUR 499 - Special Topics in Nursing

Credit Hours: 1-6
Independent study in area of special interest. May be taken up to maximum of 6 hours.

Prerequisite: permission.
Typically offered: Demand

NUR 501 - Gerontological Health Care

Credit Hours: 3
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 501 and NUR 631.

Prerequisite: junior standing.
Lecture contact hours: 3

Typically offered: Fall, Spring

NUR 502 - Rural Health

Credit Hours: 3
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 502 and NUR 632.

Prerequisite: junior standing.
Lecture contact hours: 3

Typically offered: Fall, Spring

NUR 503 - Transcultural Healthcare

Credit Hours: 3
Exploration of health beliefs, values, and practices of other cultures. This is a short-term Education Abroad 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 503 and NUR 633.

Prerequisite: permission of instructor.
Lecture contact hours: 3

Typically offered: Spring

NUR 515 - Healthcare Informatics

Credit Hours: 3
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 515 and NUR 635.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

NUR 530 - Forensic Nursing: A Multidisciplinary Approach

Credit Hours: 3
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.

Prerequisite: admission to Nursing (Pre-licensure or completion program for registered nurses); and meet program progression requirements or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

NUR 565 - Advanced Human Pathophysiology

Credit Hours: 3
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.

Prerequisite: admission to Nursing (Pre-licensure or completion program for registered nurses); and meet program progression requirements or permission of instructor.
Lecture contact hours: 3

Typically offered: Fall, Spring

NUR 596 - Independent Study in Nursing

Credit Hours: 1-6
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 to a maximum of six hours as topics change. May be taught concurrently with NUR 695. Cannot receive credit for both NUR 596 and NUR 695.

Prerequisite: permission of instructor.
Typically offered: Demand

NUR 597 - Special Topics in Nursing

Credit Hours: 1-3
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 to a maximum of six hours as topics change. May be taught concurrently with NUR 696. Cannot receive credit for both NUR 597 and NUR 696.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 3

Typically offered: Demand

Ozarks Studies

OZK 150 - Introduction to Ozarks Studies

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

OZK 300 - Topics in Ozarks Studies

Credit Hours: 1-3
In-depth inquiry into topics in Ozarks Studies. May be repeated to a maximum of six hours if the topic is different.

Typically offered: Demand

Philosophy

PHI 105 - Critical Thinking

Credit Hours: 3
General Education Course: Focus on Public Issues **CORE 42:** MOTR number PHIL 101 - Introduction to Logic.

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.

Prerequisite: 12 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

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PHI 110 - Introduction to Philosophy

Credit Hours: 3
General Education Course: Focus on Humanities **CORE 42:** MOTR number PHIL 100 - Introduction to Philosophy.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

PHI 115 - Ethics and Contemporary Issues

Credit Hours: 3
General Education Course: Focus on Public Issues **CORE 42:** MOTR number PHIL 102 - Introduction to Ethics.

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.

Prerequisite: 12 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

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PHI 120 - Professional and Business Ethics

Credit Hours: 3
This course surveys ethical theories and applies them to current professional and business decision-making.

Lecture contact hours: 3

Typically offered: Demand

PHI 197 - Perspectives in Philosophy

Credit Hours: 1-3
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. May be repeated to a maximum of six hours as topics change.

Typically offered: Demand

PHI 300 - Philosophical Ideas in Literature

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

PHI 301 - Service-Learning in Philosophy

Credit Hours: 1
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.

Prerequisite: 30 hours and permission, and concurrent registration in a Philosophy course designated as a service-learning offering.
Typically offered: Fall, Spring

PHI 302 - Environmental Ethics

Credit Hours: 3
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?

Lecture contact hours: 3

Typically offered: Demand

PHI 305 - Elements of Symbolic Logic

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

PHI 306 - History of Western Philosophy: Ancient

Credit Hours: 3
Historical study of ancient philosophy based on the reading of representative writings of major philosophers.

Lecture contact hours: 3

Typically offered: Fall

PHI 310 - History of Western Philosophy: Modern

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

PHI 312 - Contemporary Continental Philosophy

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

PHI 313 - Bioethics

Credit Hours: 3
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 313 and PHI 613.

Lecture contact hours: 3

Typically offered: Demand

PHI 314 - Asian Philosophy

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

PHI 315 - Philosophy of Religion

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

PHI 319 - Feminist Philosophy

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

PHI 320 - Aesthetics

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

PHI 330 - Introduction to Political Theory

Credit Hours: 3
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.

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Fall

PHI 331 - Philosophy of Psychology

Credit Hours: 3
A survey of prominent theories in the philosophy of mind and theoretical psychology.

Lecture contact hours: 3

Typically offered: Fall Odd

PHI 332 - Data Ethics

Credit Hours: 3
This course explores ethical issues emerging from the exponentially-increasing importance of data collection and analytics for a variety of fields (government and intelligence, genetics and health care, computer science and AI, business and marketing), and how such issues impact nearly every aspect of our contemporary world. Topics may include disinformation and democracy, privacy and security, algorithmic bias and machine learning, and social media and community.

Lecture contact hours: 3

Typically offered: Demand

PHI 336 - Knowledge and Reality: Contemporary Approaches

Credit Hours: 3
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".

Lecture contact hours: 3

Typically offered: Demand

PHI 340 - Philosophy of Law

Credit Hours: 3
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?"

Lecture contact hours: 3

Typically offered: Demand

PHI 342 - Global Ethics

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

PHI 345 - Theories of Ethics

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

PHI 350 - Philosophy and Public Affairs

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

PHI 397 - Seminar in Philosophy

Credit Hours: 1-4
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.

Typically offered: Demand

PHI 496 - Philosophy Tutorial

Credit Hours: 2-4
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.

Prerequisite: permission of department head.
Typically offered: Demand

PHI 596 - Selected Topics in Philosophy

Credit Hours: 2-4
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 596 and PHI 696.

Prerequisite: permission of department head.
Typically offered: Demand

Physics

PHY 100 - Survey of Physics with Laboratory

Credit Hours: 4
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number PHYS 100L - Essentials in Physics with Lab.

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.

Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall

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PHY 101 - Physics by Inquiry for Educators

Credit Hours: 4
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number PHYS 100LT - Essentials in Physics with Lab-Teaching.

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.

Prerequisite: open only to Early Childhood, Elementary, Middle School, and Special Education majors.
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Fall, Spring

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PHY 110 - Big Ideas in Physics

Credit Hours: 2
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.

Lecture contact hours: 2

Typically offered: Fall

PHY 123 - Introduction to Physics I

Credit Hours: 4
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number PHYS 150L - Physics I with Lab.

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 C grade or better is required in this course in order to take PHY 124.

Prerequisite: C grade or better in MTH 136 or MTH 287 or eligibility for enrollment in MTH 261.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

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PHY 124 - Introduction to Physics II

Credit Hours: 4
A continuation of PHY 123 in the content areas of electricity and magnetism, electronics, and optics.

Prerequisite: C grade or better in PHY 123.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall, Spring

PHY 131 - Mini Physics

Credit Hours: 1
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. Variable content course. May be repeated to a maximum of five hours provided topic and title are different.

Lecture contact hours: 1

Typically offered: Fall, Spring

PHY 141 - Mini Physics Laboratory

Credit Hours: 1
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. Variable content course. May be repeated to a maximum of five hours provided the topic title is different.

Lab contact hours: 2

Typically offered: Fall, Spring

PHY 203 - Foundations of Physics I

Credit Hours: 5
General Education Course: Focus on Physical Sciences **CORE 42:** MOTR number PHYS 200L - Advanced Physics I with Lab.

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 C grade or better is required in this course in order to take PHY 204.

Prerequisite: MTH 261 (completed); or MTH 261 (concurrent enrollment) and ACT mathematics score equal to more than 29.
Lecture contact hours: 3 **Lab contact hours:** 4

Typically offered: Fall, Spring

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PHY 204 - Foundations of Physics II

Credit Hours: 5
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.

Prerequisite: C grade or better in PHY 203; and; either MTH 280 or MTH 288 or concurrent enrollment in MTH 280.
Lecture contact hours: 3 **Lab contact hours:** 4

Typically offered: Fall, Spring

PHY 220 - Introduction to Structure and Logic of Digital Computers

Credit Hours: 4
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.

Prerequisite: eligibility for MTH 261.
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Fall, Spring

PHY 233 - Engineering Statics

Credit Hours: 3
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.

Prerequisite: C grade or better in MTH 280 and in PHY 203.
Lecture contact hours: 3

Typically offered: Fall, Spring

PHY 252 - Introduction to Circuit Analysis

Credit Hours: 3
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.

Prerequisite: MTH 280.
Lecture contact hours: 3

Typically offered: Spring

PHY 291 - Introduction to Computational Physics

Credit Hours: 3
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.

Prerequisite: MTH 280.
Lecture contact hours: 3

Typically offered: Spring

PHY 300 - Service-Learning in Physics

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in a Physics course designated as a service-learning offering.
Typically offered: Fall, Spring

PHY 319 - Mathematics for Science and Engineering I

Credit Hours: 3
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.

Prerequisite: MTH 302.
Lecture contact hours: 3

Typically offered: Fall

PHY 325 - Experimental Instrumentation

Credit Hours: 3
The use of instrumentation to acquire and process data in physics and astronomy. Equipment will include multimeters, oscilloscopes, filters, lock-in amplifiers, detectors and related systems. The laboratory work will cover direct applications of all equipment and techniques covered in lecture.

Prerequisite: PHY 204.

Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall

PHY 333 - Intermediate Mechanics

Credit Hours: 3
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.

Prerequisite: PHY 203 and PHY 319 and MTH 303.
Lecture contact hours: 3

Typically offered: Spring

PHY 343 - Thermal Physics

Credit Hours: 3
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.

Prerequisite: PHY 203; and MTH 302 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall

PHY 351 - Circuit, Signals, and Controls

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

PHY 353 - Electricity and Magnetism

Credit Hours: 3
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.

Prerequisite: PHY 204 and PHY 319.
Lecture contact hours: 3

Typically offered: Spring

PHY 373 - Radiation Physics

Credit Hours: 3
Basic principles of electromagnetic and particulate radiation physics including production of ionizing radiation and its interactions with biological tissue, radioactive decay, radiation detectors, dosimetry, and radiation imaging. The course will include lectures, experiments, and demonstrations.

Prerequisite: PHY 124 or PHY 204.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

PHY 375 - Modern Physics

Credit Hours: 3
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.

Prerequisite: PHY 204; and MTH 302 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall

PHY 385 - Experiments in Modern Physics

Credit Hours: 2
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.

Prerequisite: PHY 375.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring

PHY 386 - Undergraduate Research I

Credit Hours: 1
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.

Prerequisite: permission.
Lecture contact hours: 1

Typically offered: Fall, Spring

PHY 390 - Interdisciplinary Topics in Physics

Credit Hours: 1-4
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. Variable content course. May be repeated to a maximum of six hours.

Prerequisite: permission.
Typically offered: Demand

PHY 392 - Mathematics for Science and Engineering II

Credit Hours: 3
A continuation of PHY 319 with topics selected from complex integration, numerical solutions to differential equations, special functions, probability distribution functions, and group theory.

Prerequisite: PHY 319.
Lecture contact hours: 3

Typically offered: Demand

PHY 399 - Cooperative Education in Physics

Credit Hours: 1-3
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.

Prerequisite: acceptance into the Cooperative Education Program and permission.
Typically offered: Demand

PHY 409 - Selected Topics in Physics

Credit Hours: 1-5
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. Variable content course. May be repeated to a maximum of six hours.

Prerequisite: permission.
Typically offered: Demand

PHY 476 - Introduction to Nuclear and Particle Physics

Credit Hours: 3
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.

Prerequisite: PHY 319 and PHY 375 and MTH 303.
Lecture contact hours: 3

Typically offered: Spring

PHY 486 - Undergraduate Research II

Credit Hours: 1
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.

Prerequisite: PHY 386.
Lab contact hours: 2

Typically offered: Fall, Spring

PHY 495 - Readings in Physics

Credit Hours: 1-4
Independent reading; topics not offered in regular courses. May be repeated to a maximum of four hours.

Prerequisite: permission of department head.
Typically offered: Demand

PHY 496 - Capstone Physics

Credit Hours: 2
The goal of this course is to provide senior-level students with current research-level information in physics, astronomy, and materials science to help them make post-graduate decisions. This course will involve current research reviews, also including insights into ethics, historical ethnic bias, and the trends in equity and inclusion. Public Affairs Capstone Experience course.

Prerequisite: 20 hours of Physics courses at the 200 and 300 level.
Lecture contact hours: 2

Typically offered: Spring

PHY 499 - Honors Project in Physics

Credit Hours: 1-3
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. May be repeated to a maximum of five hours.

Prerequisite: permission of department head.
Typically offered: Demand

PHY 509 - Special Topics in Physics and Astronomy

Credit Hours: 1-3
Variable content, variable credit course. Topics to be chosen from current areas of interest. May be repeated to a maximum of six hours with different topic. May be taught concurrently with PHY 609. Cannot receive credit for both PHY 509 and PHY 609.

Prerequisite: permission.
Typically offered: Demand

PHY 575 - Quantum Mechanics

Credit Hours: 3
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.

Prerequisite: PHY 375 or CHM 507.
Lecture contact hours: 3

Typically offered: Fall

PHY 591 - Computational Methods and Data Analysis in Physical Sciences

Credit Hours: 3
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.

Prerequisite: PHY 291 or permission of instructor.
Lecture contact hours: 3

Typically offered: Fall Odd

Planning

PLN 100 - Introduction to Urban Studies

Credit Hours: 3
General Education Course: Focus on Public Issues **CORE 42:** MOTR number URBN 202 - Introduction to Urban Studies.

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.

Prerequisite: 12 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

PLN 300 - Graphic Communication for Planners

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

PLN 367 - Planning Methods

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

PLN 370 - Fundamentals of Planning

Credit Hours: 3
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 examines the history and forces behind the development of the planning profession in the United States. This course also 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. 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? A major aim of this course is for students to appreciate the link between planning history, theory and praxis.

Lecture contact hours: 3

Typically offered: Fall

PLN 397 - Selected Topics in Planning

Credit Hours: 1-3
Course devoted to a single topic which may vary from semester to semester depending upon student and faculty interest. Variable content course. May be repeated, with permission, to a maximum of five hours. 1-3 D

Typically offered: Demand

PLN 505 - Social Planning

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

PLN 570 - Planning Law

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

PLN 571 - Land Use Planning

Credit Hours: 3
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.

Prerequisite: PLN 371 or PLN 372 or FIN 266.
Lecture contact hours: 3

Typically offered: Fall

PLN 572 - Community Planning Practicum

Credit Hours: 4
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.

Prerequisite: PLN 571.
Recommended Prerequisite: PLN 367.

Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Spring

PLN 573 - Urban Design and Preservation

Credit Hours: 3
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 573 and PLN 673.

Prerequisite: PLN 371 and GRY 322.
Lecture contact hours: 3

Typically offered: Spring

PLN 574 - Open Space Planning

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

PLN 576 - Site Planning and Design Studio

Credit Hours: 4
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 576 and PLN 676.

Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall

PLN 596 - Research in Planning

Credit Hours: 1-3
Enrichment through guided but independent, original research in planning and planning related subject areas. May be repeated to a maximum of six hours. May be taught concurrently with PLN 696. Cannot receive credit for both PLN 596 and PLN 696.

Prerequisite: permission.
Typically offered: Fall, Spring

PLN 597 - Selected Topics in Planning

Credit Hours: 1-5
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 maximum of six hours. May be taught concurrently with PLN 697. Cannot receive credit for both PLN 597 and PLN 697.

Typically offered: Demand

PLN 599 - Internship in Community and Regional Planning

Credit Hours: 1-3
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 maximum of six hours. May be taught concurrently with PLN 699. Cannot receive credit for both PLN 599 and PLN 699.

Prerequisite: 90 hours and PLN 571.
Typically offered: Fall, Spring, Summer

Political Science

PLS 101 - American Democracy and Citizenship

Credit Hours: 3
General Education Course: Focus on Constitutions of US and Missouri and American History and Institutions
CORE 42: MOTR number POSC 101 - American Government.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

PLS 102 - Introduction to American Public Policy

Credit Hours: 3
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.

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Fall, Spring

PLS 205 - Comparative Politics

Credit Hours: 3
CORE 42: MOTR number POSC 202 - Introduction to Comparative Politics.

A course that engages in cross-national comparative analysis to explore fundamental political issues, such as regime type, democratization, constitutional design, political violence, ethnic conflict, and natural resource governance.

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

PLS 232 - International Relations

Credit Hours: 3
CORE 42: MOTR number POSC 201 - International Relations.

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.

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

PLS 255 - Public Administration

Credit Hours: 3
This course provides a general survey of public administration. The overarching theme is how to make government agencies efficient, effective, and accountable. The topics include American administrative organization, activities, budget process, human resources management, policy implementation, and regulations.

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Fall, Spring

PLS 300 - Service-Learning in Political Science

Credit Hours: 1
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.

Prerequisite: 30 hours; and concurrent registration in a Political Science course designated as a service-learning offering; and permission.
Typically offered: Fall, Spring

PLS 301 - U.S. National Security

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

PLS 315 - Federalism and Intergovernmental Relations

Credit Hours: 3
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.

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Fall

PLS 316 - Political Parties, Elections and Interest Groups

Credit Hours: 3
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.

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Fall

PLS 317 - American Political Behavior

Credit Hours: 3
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.

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Fall Even

PLS 319 - Women in Politics

Credit Hours: 3
A course that examines why women engage in political action and how the broader socio-economic and institutional context shapes their involvement and impact.

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Spring Even

PLS 320 - American Foreign Policy

Credit Hours: 3
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 320 and PLS 635.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Fall

PLS 330 - Introduction to Political Theory

Credit Hours: 3
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.

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Fall, Spring

PLS 333 - Model United Nations

Credit Hours: 3
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. Coursework 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.

Prerequisite: permission.
Lecture contact hours: 3

Typically offered: Spring Odd

PLS 338 - Politics of Less Developed Countries

Credit Hours: 3
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 focuses on such issues as democratization, economic development and ethnic and religious conflict. Students will also learn about the politics of a number of individual countries in Africa, Asia and Latin America.

Lecture contact hours: 3

Typically offered: Fall Even

PLS 343 - Post-Soviet Politics

Credit Hours: 3
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.

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Demand

PLS 351 - Municipal Government and Administration

Credit Hours: 3
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.

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Fall

PLS 355 - Emergencies, Disasters and Catastrophes

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

PLS 397 - Mini Course in Political Issues

Credit Hours: 1
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. Variable content course. May be repeated to a maximum of three hours. 1(1-0) D

Prerequisite: permission of instructor.
Lecture contact hours: 1

Typically offered: Demand

PLS 413 - The American Executive

Credit Hours: 3
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. 3(3-0) S

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Spring

PLS 414 - The Legislative Process

Credit Hours: 3
Theory, principles, procedures and problems of the legislative process in democratic societies; operation of American state and national legislatures.

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Fall Odd

PLS 419 - The Judicial Process

Credit Hours: 3
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.

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Fall Even

PLS 437 - International Organizations and Law

Credit Hours: 3
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.

Prerequisite: PLS 101.
Lecture contact hours: 3

Typically offered: Spring Even

PLS 439 - Playing Games with the World

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring Even

PLS 443 - Nationalisms and Islamisms of the Middle East

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall Even

PLS 492 - Program Assessment

Credit Hours: 0
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.

Prerequisite: permission.
Recommended Prerequisite: senior standing.

Typically offered: Fall, Spring

PLS 493 - Part-time Internship in Political Science

Credit Hours: 3
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.

Prerequisite: 75 hours; and 15 hours in Political Science; and 3:00 GPA; and advance permission of department head.
Typically offered: Demand

PLS 494 - Full-time Internship in Political Science

Credit Hours: 3-6
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.

Prerequisite: 75 hours; and 15 hours in Political Science; and 3:00 GPA; and advance permission of department head.
Typically offered: Demand

PLS 495 - Senior Honors Project in Political Science

Credit Hours: 1-6
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 six hours.

Prerequisite: permission.
Typically offered: Demand

PLS 496 - Independent Study in Political Science

Credit Hours: 1-3
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.

Prerequisite: permission.
Recommended Prerequisite: 2.50 GPA; and junior or senior standing.

Typically offered: Demand

PLS 497 - Special Topics

Credit Hours: 1-6
A course designed to provide a means of study for topics not addressed elsewhere in the curriculum. Variable content course. May be repeated to a maximum of nine hours. Public Affairs Capstone Experience course.

Typically offered: Demand

PLS 498 - Part-time Internship in Public Administration

Credit Hours: 3
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.

Prerequisite: 75 hours; and 15 hours in Political Science; and 3:00 GPA; and advance permission of department head.
Typically offered: Demand

PLS 515 - Constitutional Law I: Powers and Constraints

Credit Hours: 3
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.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Fall

PLS 517 - Constitutional Law II: Liberties and Rights

Credit Hours: 3
This course examines the civil liberties of individuals and groups, with focus on church-state relations, religious liberty, freedom of speech, and the right to privacy. 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.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Spring

PLS 520 - The U.S. Constitution and Equality

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

PLS 530 - Nonstate Actors in International Politics

Credit Hours: 3
Nation states have long been the primary players in international relations, endowed with sovereignty to reflect their premier status. While nonstate actors have always been around, scholarly attention to them has increased in recent decades. This course will explore benevolent actors such as NGOs, faith based organizations, and social and environmental movements as well as malevolent groups like pirates, criminal organizations, and terrorists. Students will gain a deeper understanding of international relations through an examination of the myriad actors involved in contemporary world politics. May be taught concurrently with PLS 630. Cannot receive credit for both PLS 530 and PLS 630.

Lecture contact hours: 3

Typically offered: Fall

PLS 544 - Government and Politics of the Middle East

Credit Hours: 3
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 544 and PLS 644.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Fall

PLS 545 - Asian Politics

Credit Hours: 3
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 545 and PLS 645.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Spring

PLS 546 - Political Violence and Terrorism

Credit Hours: 3
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 546 and PLS 646.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Spring

PLS 547 - Politics of the European Union and Its Members

Credit Hours: 3
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 547 and PLS 647.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Demand

PLS 548 - Latin American Politics

Credit Hours: 3
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 548 and PLS 648.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Spring

PLS 550 - Modern African Politics

Credit Hours: 3
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. Identical with AAS 550. Cannot receive credit for both PLS 550 and AAS 550. May be taught concurrently with PLS 650. Cannot receive credit for both PLS 650 and PLS 550.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Fall

PLS 555 - Public Policy for a Global Environment

Credit Hours: 3
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 555 and PLS 685.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Demand

PLS 561 - Ancient Political Thought

Credit Hours: 3
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.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Fall Odd

PLS 563 - Modern Political Theory

Credit Hours: 3
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.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Spring Odd

PLS 565 - Contemporary Political Ideologies

Credit Hours: 3
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 565 and PLS 642.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Spring Even

PLS 567 - American Political Thought

Credit Hours: 3
Political ideas in American institutional and historical development. An examination of the relations between American thought and political structures and processes.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Demand

PLS 569 - Foreign Policies of the Middle Eastern States

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring Odd

PLS 573 - Policy Analysis

Credit Hours: 3
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 573 and PLS 673.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Spring

PLS 576 - Quantitative Methods of Political Science and Public Policy

Credit Hours: 3
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 576 and PLS 676.

Prerequisite: PLS 101.
Recommended Prerequisite: 50 hours.

Lecture contact hours: 3

Typically offered: Fall, Spring

Psychology

PSY 101 - Psychology for Personal Growth

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 121 - Introductory Psychology

Credit Hours: 3
General Education Course: Focus on Social and Behavioral Sciences **CORE 42:** MOTR number PSYC 100 - General Psychology.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

PSY 150 - Introduction to the Psychology Major

Credit Hours: 1
Exploration of careers, educational paths, and professional development for new psychology majors (typically, first-year students, sophomores, and some transfer students with limited coursework completed in psychology.

Lecture contact hours: 1

Typically offered: Fall, Spring, Summer

PSY 160 - The Pursuit of Happiness: A Psychological Perspective

Credit Hours: 1
Explore the sources of our moods with an emphasis on skills for achieving healthy, happy, and productive feelings.

Lecture contact hours: 1

Typically offered: Demand

PSY 197 - Topics in Psychology

Credit Hours: 1
Selected topics especially appropriate for lower division students (examples: meaning of death, preparation for marriage, and child rearing practices). May be repeated to a maximum of four hours.

Lecture contact hours: 1

Typically offered: Fall, Spring

PSY 200 - Psychological Statistical Methods

Credit Hours: 3
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, SPR 328, SOC 220.

Prerequisite: PSY 121; and completion of General Education mathematics requirement.
Lecture contact hours: 3

Typically offered: Fall

PSY 203 - Introduction to Research

Credit Hours: 3
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.

Prerequisite: PSY 121; and completion of General Education mathematics requirement.
Lecture contact hours: 3

Typically offered: Spring

PSY 240 - Psychology of Humor

Credit Hours: 3
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.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Spring

PSY 250 - Analysis of Interpersonal Behavior

Credit Hours: 3
Ongoing processes of interpersonal behavior. Observation and experience as participant of a self-analytic group in the human relations laboratory.

Prerequisite: PSY 121 and permission of instructor.
Lab contact hours: 6

Typically offered: Demand

PSY 300 - Naturalistic Methods in Social Psychology

Credit Hours: 3
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.

Prerequisite: PSY 121, and 6 additional hours of Psychology.
Lecture contact hours: 3

Typically offered: Demand

PSY 302 - Experimental Psychology

Credit Hours: 3
Research methods in Psychology; major emphasis on experimentation.

Prerequisite: PSY 121 and PSY 200.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

PSY 303 - Stress and Tension Control

Credit Hours: 3
An examination of the nature and treatment of the stress response. Laboratory experience with several forms of relaxation training including biofeedback.

Prerequisite: PSY 121.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

PSY 304 - Abnormal Psychology

Credit Hours: 3
Psychopathology and the systems of classification, methods of assessment, and modes of treatment from research, clinical, ethical, and cultural perspectives.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

PSY 305 - Introduction to Industrial-Organizational Psychology

Credit Hours: 3
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.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 306 - Learning Processes

Credit Hours: 3
A survey of the methods of classical and instrumental conditioning.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 307 - Human Sexuality

Credit Hours: 3
A balanced and comprehensive perspective of the field of human sexuality. Content includes the psychological, physiological, and interpersonal variables of human sexuality.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Demand

PSY 309 - Identity and Aging in Literature and Film

Credit Hours: 3
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.

Prerequisite: ENG 110 and PSY 121.
Lecture contact hours: 3

Typically offered: Spring

PSY 310 - Applied Psychology

Credit Hours: 3
Practical areas of application of psychology. Limited enrollment; field trips required.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Demand

PSY 311 - Service-Learning in Psychology

Credit Hours: 1
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.

Prerequisite: 30 hours, concurrent registration in a Psychology course designated as a service-learning offering.
Typically offered: Fall, Spring

PSY 315 - History and Systems of Psychology

Credit Hours: 3
Present psychological systems in the light of their historical development from ancient Greek and medieval thought.

Prerequisite: PSY 121 and 6 additional hours of psychology.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 317 - Psychology of Addictions

Credit Hours: 3
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 course is intended to give students an understanding of individual, motivational, and social psychological perspectives.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 320 - Psychology and the Law

Credit Hours: 3
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.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 330 - Psychology of Digital Success

Credit Hours: 1
Our world is becoming increasingly digital. Achieving and succeeding in educational and workplace settings now requires a range of digital learning, literacy, and citizenship skills. Using a self-regulation framework, this course will explore the role of these skills needed to engage effectively in a digital learning environment. Students will synthesize information regarding self-regulation approaches and digital literacy, learning, citizenship, and professional community to create an action-oriented plan for success in future digital and seated learning environments. To support the development of this plan, students will learn to: find, use, share, and evaluate information from online sources, accessing commonly used digital learning platforms, sites, and resources; analyze digital citizenship in the context of both academic and global communities; participate in online professional communities for students and professionals in the field of psychology; reflect on current readiness for online learning and engagement using self-assessments; and utilize evidence-based approaches to stress management and problem solving to support psychological well-being.

Prerequisite: declared Psychology major.
Lecture contact hours: 1

Typically offered: Demand

PSY 331 - Psychology of Childhood

Credit Hours: 3
This course examines major psychological issues, theories and research concerning child development. Influences on cognitive, personality and social development are analyzed.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 336 - Ethology

Credit Hours: 3
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.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 339 - Introduction to Clinical Psychology

Credit Hours: 3
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.

Prerequisite: PSY 121 and PSY 304.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 350 - Psychology of Adulthood and Aging

Credit Hours: 3
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.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 354 - Gender and Sexuality in Later Life

Credit Hours: 3
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.

Prerequisite: PSY 121; and GST 170 or 45 hours.
Lecture contact hours: 3

Typically offered: Spring

PSY 357 - Psychology of Gender

Credit Hours: 3
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).

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Spring

PSY 359 - Theories of Social Psychology

Credit Hours: 3
A survey of research strategies in social psychology; social perception; interpersonal attraction; attitudes and persuasion; sex differences in social behavior.

Prerequisite: PSY 121 or SOC 150.
Lecture contact hours: 3

Typically offered: Fall

PSY 360 - Educational Psychology

Credit Hours: 3
Introduction to theory and research in educational psychology. Topics include cognitive and social development, learning, memory, cognition, intelligence, motivation, measurement, and individual differences.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 363 - Death and Human Behavior

Credit Hours: 3
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.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Demand

PSY 366 - Families in Later Life

Credit Hours: 3
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.

Prerequisite: PSY 121; and CFD 155 or CFD 163 or 30 hours.
Lecture contact hours: 3

Typically offered: Fall

PSY 370 - Mental Health and Aging

Credit Hours: 3
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.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Spring

PSY 379 - Environmental Psychology

Credit Hours: 3
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.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Spring

PSY 380 - Development of the Student

Credit Hours: 4
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.

Prerequisite: PSY 121; and either ELE 302 or SEC 302.
Lecture contact hours: 4

Typically offered: Fall, Spring

PSY 385 - Development of the Early Childhood and Elementary School Student

Credit Hours: 3
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.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 390 - Development of the Adolescent Student

Credit Hours: 3
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.

Prerequisite: PSY 121 and SEC 302.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 405 - Exercise Psychology

Credit Hours: 1
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.

Prerequisite: PSY 121.
Lecture contact hours: 1

Typically offered: Demand

PSY 411 - Psychology of Diversity

Credit Hours: 3
Knowledge base, theory, research, professional ethics, workplace skills, and cultural context related to diversity. Public Affairs Capstone Experience course.

Prerequisite: senior standing; and 24 hours of Psychology.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

PSY 422 - Memory and Cognition

Credit Hours: 3
Theoretical, empirical, and practical consideration of human memory and cognition. Laboratory will focus on investigation and demonstration of various cognitive phenomena.

Prerequisite: PSY 121 and 6 additional hours of psychology.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

PSY 424 - Teaching of Psychology

Credit Hours: 3
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 to a maximum of six hours.

Prerequisite: permission of instructor.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 441 - Psychology of Adolescence

Credit Hours: 3
This course examines major psychological issues, theories, and research concerning adolescent development. Influences on cognitive, personality, and social development are analyzed.

Prerequisite: PSY 121 and one additional psychology course, and junior standing.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 481 - Human Engineering

Credit Hours: 3
Focuses on systematic attempts to develop principles and data to be applied in adapting equipment, machines, work space, and environments for human use.

Prerequisite: PSY 121 or 60 hours.
Lecture contact hours: 3

Typically offered: Fall

PSY 486 - Management and Assessment in the Middle and Secondary Classroom

Credit Hours: 3
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.

Prerequisite: admission to Teacher Education; and PSY 360 or equivalent competencies.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

PSY 487 - Behavior Problems of Childhood

Credit Hours: 3
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.

Prerequisite: PSY 121 or PSY 331.

Lecture contact hours: 3

Typically offered: Demand

PSY 490 - Preparation for Graduate School

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Fall

PSY 493 - Directed Readings in Educational Psychology

Credit Hours: 1
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.

Prerequisite: PSY 121 and permission of instructor.
Typically offered: Fall, Spring

PSY 495 - Senior Seminar

Credit Hours: 1
Activities to help students identify and explore postgraduate career opportunities. A major field achievement test and program evaluation will be administered.

Prerequisite: senior standing (90 hours); and 27 hours of Psychology.
Lecture contact hours: 1

Typically offered: Fall, Spring

PSY 496 - Directed Readings in Psychology

Credit Hours: 1-4
Outstanding students who wish to undertake directed readings must consult with a professor of the school who specializes in the area selected, and with his or her consent present a written proposal to the school director 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 tor a maximum of six hours.

Prerequisite: 10 hours of psychology and permission of department head.
Typically offered: Fall, Spring

PSY 497 - Advanced Topics in Psychology

Credit Hours: 1-3
In depth inquiry into selected topics of psychology. 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. May be repeated to a maximum of nine hours if topic is different.

Prerequisite: 9 hours of psychology.
Typically offered: Fall, Spring

PSY 498 - Directed Research

Credit Hours: 1-4
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 to a maximum of six hours.

Prerequisite: PSY 121 and permission of sponsoring faculty member and school director.
Typically offered: Fall, Spring

PSY 499 - Practicum in Psychology

Credit Hours: 1-4
Offers an opportunity for the student to obtain experience through field work. Such experience need not be confined to the campus. May be repeated to a maximum of six hours.

Prerequisite: PSY 121 and 14 additional hours of psychology and permission of school director.
Typically offered: Fall, Spring

PSY 502 - Learning Theories

Credit Hours: 3
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 502 and PSY 602.

Prerequisite: PSY 121 and 3 additional hours of psychology.
Lecture contact hours: 3

Typically offered: Spring

PSY 505 - Forensic Child Psychology

Credit Hours: 3
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 505 and PSY 604.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Demand

PSY 506 - Perception

Credit Hours: 3
Nature of perception, concept formation and role of language. May be taught concurrently with PSY 606. Cannot receive credit for both PSY 506 and PSY 606.

Prerequisite: PSY 121 and 3 additional hours of psychology.
Lecture contact hours: 3

Typically offered: Spring

PSY 508 - Introduction to Applied Behavior Analysis

Credit Hours: 3
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 508 and PSY 614.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Fall

PSY 510 - Research in Psychology

Credit Hours: 4
Advanced course in research methodology for psychology. The course focuses on individual research projects.

Prerequisite: PSY 121; and PSY 200 or equivalent; and PSY 302.
Lecture contact hours: 3 **Lab contact hours:** 2

Typically offered: Fall

PSY 512 - Personality Theory and Systems

Credit Hours: 3
Current theories of personality, research background and historical development. May be taught concurrently with PSY 612. Cannot receive credit for both PSY 512 and PSY 612.

Prerequisite: PSY 121 and PSY 304.
Lecture contact hours: 3

Typically offered: Spring

PSY 513 - Neuropsychology

Credit Hours: 3
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.

Prerequisite: PSY 121 and 3 additional hours of Psychology.

Lecture contact hours: 3

Typically offered: Demand

PSY 514 - Psychology of Child Abuse and Exploitation

Credit Hours: 3
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.

Prerequisite: PSY 121 and 60 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 519 - Cognitive Development

Credit Hours: 3
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 519 and PSY 619.

Prerequisite: PSY 121 and PSY 331 and 3 additional hours of psychology.
Lecture contact hours: 3

Typically offered: Demand

PSY 521 - Physiological Psychology

Credit Hours: 3
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 521 and PSY 622.

Prerequisite: PSY 121 and 3 additional hours of psychology.
Lecture contact hours: 3

Typically offered: Fall

PSY 523 - Psychology and Language

Credit Hours: 3
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.

Recommended Prerequisite: 6 hours of Psychology.

Lecture contact hours: 3

Typically offered: Fall

PSY 524 - Honors Project in Psychology

Credit Hours: 3
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.

Prerequisite: PSY 121; and PSY 200 or equivalent; and PSY 302; and PSY 510, and permission of sponsoring faculty member and school director; open to Honors College students only.
Typically offered: Demand

PSY 525 - Motivation and Emotions

Credit Hours: 3
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 525 and PSY 625.

Prerequisite: PSY 121 and 3 additional hours of psychology.
Lecture contact hours: 3

Typically offered: Fall

PSY 527 - Advanced Psychological Statistical Methods

Credit Hours: 3
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 527 and PSY 627.

Prerequisite: introductory statistics selected from: PSY 200, 711; AGR 330; MTH 340; QBA 237; SPR 328; SOC 220; or equivalent.
Lecture contact hours: 3

Typically offered: Spring

PSY 529 - Psychological Tests and Measurements

Credit Hours: 3
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 529 and PSY 629.

Prerequisite: PSY 121; and PSY 200 or equivalent.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 533 - Psychological Issues in Religion

Credit Hours: 3
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 533 and PSY 633.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Fall

PSY 534 - Psychology of Infancy

Credit Hours: 3
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 534 and PSY 634.

Prerequisite: PSY 121 and PSY 331.
Lecture contact hours: 3

Typically offered: Demand

PSY 535 - Discipline and Social Behavior in the Classroom

Credit Hours: 3
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 535 and PSY 635.

Prerequisite: PSY 121; and PSY 360 or PSY 380 or PSY 385 or PSY 390.
Lecture contact hours: 3

Typically offered: Demand

PSY 550 - Psychological Testing in Remedial Reading

Credit Hours: 3
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 550 and PSY 648.

Prerequisite: permission of school director.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

PSY 555 - Developing Sport Team Leaders

Credit Hours: 1
This 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 555 and PSY 649.

Lecture contact hours: 1

Typically offered: Demand

PSY 556 - Developing Sport Team Leaders Practicum

Credit Hours: 2
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 556 and PSY 656.

Prerequisite: PSY 555 or concurrent enrollment; and permission of instructor.
Lecture contact hours: 2

Typically offered: Demand

PSY 557 - Forensic Psychology: Child Abuse and the Law

Credit Hours: 3
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.

Prerequisite: PSY 121 and 60 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

PSY 565 - Psychological Effects of Dementia

Credit Hours: 4
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 565 and PSY 669.

Prerequisite: PSY 121 and PSY 370.
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Demand

PSY 597 - Specialized Topics in Psychology

Credit Hours: 1-3
Specialized investigation into selected topics in psychology. Graduate students will be required to complete an extra project to be determined by the instructor. Variable content course. May be repeated to a maximum of nine hours if topic is different. May be taught concurrently with PSY 695. Cannot receive credit for both PSY 597 and PSY 695.

Prerequisite: 9 hours of Psychology.
Typically offered: Demand

Portuguese

PTG 101 - Elementary Portuguese I

Credit Hours: 3
CORE 42: MOTR number LANG 105 - Foreign Language 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. 3(3-0) F

Lecture contact hours: 3

Typically offered: Fall

Access the CORE 42 Portal

PTG 102 - Elementary Portuguese II

Credit Hours: 3
CORE 42: MOTR number LANG 106 - Foreign Language II.

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.

Prerequisite: C or better in PTG 101.
Lecture contact hours: 3

Typically offered: Spring

Access the CORE 42 Portal

PTG 201 - Intermediate Portuguese I

Credit Hours: 3
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.

Prerequisite: C or better in PTG 102.
Lecture contact hours: 3

Typically offered: Demand

PTG 202 - Intermediate Portuguese II

Credit Hours: 3
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.

Prerequisite: C or better in PTG 201.
Lecture contact hours: 3

Typically offered: Demand

PTG 297 - Special Topics in Portuguese

Credit Hours: 1-6
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. Variable content course. May be repeated to a maximum of six hours as topics change.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

Quantitative Business Analysis

QBA 237 - Basic Business Statistics

Credit Hours: 3
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, SPR 328, SOC 220.

Prerequisite: C grade or better in MTH 134 or higher.
Lecture contact hours: 3

Typically offered: Fall, Spring

QBA 337 - Applied Business Statistics

Credit Hours: 3
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.

Prerequisite: QBA 237 or equivalent; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

Radiography

RAD 110 - Introduction to Radiologic Technology

Credit Hours: 1
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).

Lecture contact hours: 1

Typically offered: Demand

RAD 120 - Radiographic Anatomy

Credit Hours: 2
An introduction to human anatomy with a detailed study of the structure of the human skeletal system with special emphasis on radiographic landmarks.

Lecture contact hours: 2

Typically offered: Demand

RAD 130 - Radiographic Procedures I

Credit Hours: 2
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.

Lecture contact hours: 1 **Lab contact hours:** 3

Typically offered: Demand

RAD 140 - Medical Terminology

Credit Hours: 1
A structural analysis of word roots, suffixes, and prefixes for terms pertinent to the medical field with an emphasis on radiologic technology.

Lecture contact hours: 1

Typically offered: Demand

RAD 150 - Radiologic Science I

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

RAD 160 - Radiographic Procedures II

Credit Hours: 2
Advanced procedures and positioning techniques with emphasis on trauma and special views of bony anatomy. Includes image analysis, lab demonstrations, practice, and lab evaluations. 2(1-2) D

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

RAD 170 - Image Processing

Credit Hours: 1
A study of the equipment, materials, and procedures used to produce radiographic images to include quality control procedures and image analysis.

Lecture contact hours: 1

Typically offered: Demand

RAD 180 - Radiographic Imaging I

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

RAD 190 - Practicum I

Credit Hours: 7
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.

Lecture contact hours: 1 **Lab contact hours:** 12

Typically offered: Demand

RAD 310 - Radiologic Physiology

Credit Hours: 3
Normal structure and function of human systems with emphasis on related radiographic examinations.

Lecture contact hours: 3

Typically offered: Demand

RAD 315 - Radiologic Pathology

Credit Hours: 2
The study of human disease to include disease etiology, diagnosis, clinical interpretation and treatment.

Lecture contact hours: 2

Typically offered: Demand

RAD 320 - Radiographic Procedures III

Credit Hours: 2
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.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

RAD 330 - Radiographic Procedures IV

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

RAD 340 - Contrast Agents

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

RAD 350 - Radiographic Science II

Credit Hours: 2
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.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

RAD 360 - Radiographic Imaging II

Credit Hours: 2
A study of specialized imaging technologies to include fluoroscopy, digital imaging, tomography, and other modalities.

Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Demand

RAD 370 - Radiographic Procedures V

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

RAD 380 - Practicum II

Credit Hours: 8
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.

Lecture contact hours: 1 **Lab contact hours:** 14

Typically offered: Demand

Religious Studies

REL 100 - Introduction to Religion

Credit Hours: 3
General Education Course: Focus on Cultural Competence **CORE 42:** MOTR number RELG 100 - World Religion.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

REL 101 - Old Testament/Hebrew Bible

Credit Hours: 3
General Education Course: Focus on Humanities **CORE 42:** MOTR number RELG 101O - Religious Texts-Old Testament.

Explores the religion, life experiences, cultures, thoughts, and history of the ancient Israelites as found in their literature and artifacts.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

REL 102 - New Testament

Credit Hours: 3
General Education Course: Focus on Humanities **CORE 42:** MOTR number RELG 101N - Religious Texts-New Testament.

An introduction to early Christian literature and the persons and movements that produced it in their Jewish and Greco-Roman contexts.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

REL 110 - World Religions

Credit Hours: 3
General Education Course: Focus on Cultural Competence **CORE 42:** MOTR number RELG 100 - World Religion.

Judaism, Christianity, Islam, Hinduism, Buddhism, and other world religions have an important impact on public affairs. By surveying the world's religions, this course equips students to understand the perspectives of various faith communities, to think critically about the role of religion in human experience past and present, and to engage constructively with religious and cultural diversity.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

REL 131 - Religion in America

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

REL 200 - Religion in the News

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Demand

REL 312 - The Hebrew Prophets

Credit Hours: 3
A survey of the prophetic literature of ancient Israel in its social and historical contexts.

Recommended Prerequisite: REL 101.

Lecture contact hours: 3

Typically offered: Demand

REL 315 - Native American Religions

Credit Hours: 3
A survey of historical and contemporary Native American cultures and spiritualities, including Native responses to European contact and colonization.

Recommended Prerequisite: REL 131.

Lecture contact hours: 3

Typically offered: Demand

REL 319 - The Bible and Film

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

REL 320 - Jesus of Nazareth

Credit Hours: 3
Jesus as presented in the canonical gospels and other early sources with attention given to literary and historical issues.

Recommended Prerequisite: REL 102

Lecture contact hours: 3

Typically offered: Fall

REL 321 - Paul

Credit Hours: 3
An introduction to the historical Paul and scholarly interpretation of his writings.

Recommended Prerequisite: REL 102

Lecture contact hours: 3

Typically offered: Spring

REL 322 - Romans

Credit Hours: 3
Scholarly analysis of Paul's most influential writing with attention given to important historical and contemporary interpretations.

Recommended Prerequisite: REL 102

Lecture contact hours: 3

Typically offered: Demand

REL 323 - Apocalypses

Credit Hours: 3
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.

Recommended Prerequisite: REL 101 or REL 102 .

Lecture contact hours: 3

Typically offered: Demand

REL 325 - Dead Sea Scrolls

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

REL 326 - Greek and Roman Religions

Credit Hours: 3
Using ancient texts, images, and archaeology, discover Greek and Roman perspectives on the connection between humans and the divine. Themes covered may include the following: sacrifices and libations, temples and sacred spaces, priesthoods and rituals, festivals and rites of passage, state religion and mystery religions, magic and divination, and the interaction between the living and the dead.

Lecture contact hours: 3

Typically offered: Fall Even

REL 327 - Religions of the Ancient Near East

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

REL 330 - Judaism

Credit Hours: 3
A survey of the history and religion of the Jewish peoples, including the Holocaust, the State of Israel, and modern Jewish movements.

Lecture contact hours: 3

Typically offered: Demand

REL 332 - Modern Religious Thought

Credit Hours: 3
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).

Lecture contact hours: 3

Typically offered: Demand

REL 338 - Death, Dying, and Afterlife

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

REL 340 - Christianity

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

REL 341 - C. S. Lewis

Credit Hours: 3
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. May be taught concurrently with ENG 548 when topics are identical. Cannot receive credit for both REL 341 and ENG 548 when topics are identical.

Lecture contact hours: 3

Typically offered: Demand

REL 342 - Catholicism

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

REL 344 - New Religious Movements

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

REL 345 - African American Religious Experience

Credit Hours: 3
Explores the establishment and maintenance of African American religious institutions, particularly the Black Churches and their future development. Identical with AAS 346. Cannot receive credit for both REL 345 and AAS 346.

Recommended Prerequisite: REL 131.

Lecture contact hours: 3

Typically offered: Demand

REL 346 - Sexuality and American Religion

Credit Hours: 3
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.

Recommended Prerequisite: REL 131.

Lecture contact hours: 3

Typically offered: Demand

REL 347 - Suffering and Meaning

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

REL 348 - Religion, Spirituality, and Health

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

REL 350 - Islam

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

REL 355 - Buddhism

Credit Hours: 3
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.

Recommended Prerequisite: REL 110.

Lecture contact hours: 3

Typically offered: Demand

REL 357 - Religions of China and Japan

Credit Hours: 3
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.

Recommended Prerequisite: REL 110.

Lecture contact hours: 3

Typically offered: Demand

REL 358 - Yoga and Meditation

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

REL 360 - Hinduism

Credit Hours: 3
An historical and thematic survey of the religions of India from the Vedic period to the present day.

Recommended Prerequisite: REL 110.

Lecture contact hours: 3

Typically offered: Demand

REL 362 - Jesus and the Parable Tradition

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

REL 368 - Body and Health in American Religions

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

REL 370 - Women and Religion

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

REL 375 - Religion and Science Fiction

Credit Hours: 3
Where do we come from? Where are we going? What does it mean to be human? What is reality? While religions typically provide answers to these fundamental questions in our lives, science fiction has also probed them in creative and radical ways. This course will explore the various relationships between religion and science fiction as they have appeared in movies, books, and actual cults (such as Scientology and the Raelians) from the so-called "Golden Age" of sci-fi to the present day.

Lecture contact hours: 3

Typically offered: Demand

REL 378 - Religion and Healing in Modern America

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

REL 385 - Service-Learning in Religious Studies

Credit Hours: 1
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.

Prerequisite: 30 hours; and concurrent registration in a Religious Studies course designated as a service-learning offering.

Lab contact hours: 2

Typically offered: Demand

REL 390 - Religion in Society

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

REL 397 - Religious Studies Topics

Credit Hours: 1-3
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. Variable content course. May be repeated to a maximum of nine hours as topics change.

Recommended Prerequisite: 3 hours in Religious Studies.

Typically offered: Demand

REL 399 - Independent Study

Credit Hours: 1-3
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. Variable content course. May be repeated to a maximum of nine hours.

Prerequisite: 9 hours in Religious Studies and permission of instructor.
Typically offered: Fall, Spring

REL 499 - Internship in Religious Studies

Credit Hours: 1-6
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 to a maximum of six hours, but no more than three hours may be counted toward the Religious Studies major or minor.

Prerequisite: Religious Studies major or minor and permission of instructor.
Typically offered: Demand

REL 510 - Topics in Biblical Studies

Credit Hours: 3
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 to a maximum of nine hours as topics change. May be taught concurrently with REL 615. Cannot receive credit for both REL 510 and REL 615 for the same topic.

Prerequisite: 50 hours.
Recommended Prerequisite: REL 101 or REL 102.

Lecture contact hours: 3

Typically offered: Demand

REL 530 - Topics in Religion and Culture

Credit Hours: 3
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 to a maximum of nine hours as topics change. May be taught concurrently with REL 635. Cannot receive credit for both REL 530 and REL 635 for the same topic.

Prerequisite: 50 hours.
Recommended Prerequisite: REL 100 or REL 131.

Lecture contact hours: 3

Typically offered: Demand

REL 532 - Religion, Media, and Popular Culture

Credit Hours: 3
Explores the relationship of religion and popular culture in multiple areas of American life, including film, television, sports, politics, popular music, and the comics. Examining the presence of religious stories and symbols in popular media, this course pays special attention to the influence of different religious traditions (Christian, Buddhist, Jewish, Muslim, etc.) while recognizing the internal diversity within each tradition. May be taught concurrently with REL 632. Cannot receive credit for both REL 532 and REL 632.

Prerequisite: 50 hours.
Recommended Prerequisite: REL 100 or REL 131 .

Lecture contact hours: 3

Typically offered: Demand

REL 538 - History of Pentecostalism

Credit Hours: 3
An historical overview of Pentecostalism in the United States from the early twentieth century to the present. Course themes include Beginnings, Healing, Media, Gentrification, Controversy, and Prosperity. Students will engage a range of sources, including primary texts, films and videos, artwork and photography, music and testimony. Combining attention to change-over-time with a topical focus on broader themes, students will recognize the fascinating nuances and variety of Pentecostal history. May be taught concurrently with REL 638. Cannot receive credit for both REL 538 and REL 638.

Prerequisite: 50 hours.
Lecture contact hours: 3

Typically offered: Demand

REL 540 - Topics in the Religions of Asia

Credit Hours: 3
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 to a maximum of nine hours as topics change. May be taught concurrently with REL 645. Cannot receive credit for both REL 540 and REL 645 for the same topic.

Prerequisite: 50 hours.
Recommended Prerequisite: REL 110.

Lecture contact hours: 3

Typically offered: Demand

REL 550 - Topics in Religions of Europe and the Middle East

Credit Hours: 1-3
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 to a maximum of nine hours as topics change. May be taught concurrently with REL 655. Cannot receive credit for both REL 550 and REL 655 for the same topic.

Prerequisite: 50 hours.
Recommended Prerequisite: REL 330, REL 340, or REL 350.

Typically offered: Demand

REL 570 - Archaeology and the Bible

Credit Hours: 3
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 570 and REL 675.

Prerequisite: 50 hours.
Recommended Prerequisite: REL 101 or REL 102.

Lecture contact hours: 3

Typically offered: Demand

REL 580 - Theories of Religion

Credit Hours: 3
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 580 and REL 685. Public Affairs Capstone Experience course.

Prerequisite: 60 hours and permission.
Lecture contact hours: 3

Typically offered: Fall

Risk Management and Insurance

RMI 211 - Principles of Risk Management and Insurance

Credit Hours: 3
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.

Prerequisite: 15 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

RMI 310 - Principles of ERM: Theory and Application

Credit Hours: 3
Decision making under uncertainty: Theory and application of enterprise risk management, risk premiums, and measures of risk.

Prerequisite: QBA 237 or equivalent; undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

RMI 312 - Life Insurance

Credit Hours: 3
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.

Prerequisite: RMI 211; undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

RMI 313 - Property and Liability Insurance

Credit Hours: 3
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.

Prerequisite: RMI 211; undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

RMI 314 - Employee Benefits and Social Insurance

Credit Hours: 3
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.

Prerequisite: 30 hours; undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

RMI 392 - International Education Abroad in Risk Management and Insurance

Credit Hours: 3
Offered in conjunction with an international Education Abroad 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.

Prerequisite: RMI 211; acceptance into the related Education Abroad program; and undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

RMI 395 - Domestic Field Experience in Risk Management and Insurance

Credit Hours: 3
Offered in conjunction with a domestic field experience through the Office of Education Abroad, 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.

Prerequisite: RMI 211; acceptance into the related field experience program; and undergraduate business majors must

be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

RMI 397 - Topics in Insurance

Credit Hours: 1-3
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 to a maximum of six hours.

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.
Typically offered: Demand

RMI 415 - Risk Management

Credit Hours: 3
Identifying and analyzing the loss exposures. Developing alternative techniques for treating each exposure with emphasis on risk control and risk financing.

Prerequisite: 80 hours including RMI 211; undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

RMI 494 - Internship in Risk Management and Insurance

Credit Hours: 1-3
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. Variable content course. May be repeated to a maximum of three hours. Graded Pass/Not Pass only.

Prerequisite: B- or Better in RMI 211; 2.
Typically offered: Fall, Spring, Summer

RMI 520 - Risk Modeling and Analytics

Credit Hours: 3
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.

Prerequisite: FIN 390 or FIN 585 or MTH 261 or RMI 310 or concurrent enrollment in any of these courses; undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Fall

RMI 530 - Risk Transfer

Credit Hours: 3
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.

Prerequisite: FIN 390 or FIN 585 or MTH 261 or RMI 310 or concurrent enrollment in any of these courses; undergraduate business majors must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Spring

RMI 538 - Introduction to Estate Planning

Credit Hours: 3
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.

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.
Lecture contact hours: 3

Typically offered: Fall, Spring

Respiratory Therapy

RTH 111 - Fundamentals of Respiratory Therapy I

Credit Hours: 4
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.

Typically offered: Demand

RTH 112 - Fundamentals of Respiratory Therapy II

Credit Hours: 4
A continuation of fundamentals with major emphasis and topics of aerosols, humidity, equipment maintenance, IPPB therapy and asepsis techniques.

Typically offered: Demand

RTH 113 - Fundamentals of Respiratory Therapy III

Credit Hours: 4
Ventilatory insufficiency and failure, mechanical ventilation, and chest physio-therapy. Skills and techniques are developed in the clinical setting.

Typically offered: Demand

RTH 311 - Pulmonary Functions

Credit Hours: 2
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.

Typically offered: Demand

RTH 313 - Clinical Application of Acid-Base Balance

Credit Hours: 3
Acid-Base Homeostasis is related to clinical therapeutics. Topics include expired gas analysis, hemodynamics, biomedical instrumentation of biostatistical analysis.

Prerequisite: RTH 311.
Typically offered: Demand

RTH 350 - Respiratory Therapy Pharmacology

Credit Hours: 2
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.

Typically offered: Demand

RTH 352 - Pathology and Chest Disease

Credit Hours: 2
Physio-pathology of respiratory disease states as they relate to normal structure.

Typically offered: Demand

RTH 360 - Respiratory Therapy Practicum

Credit Hours: 3
Departmental responsibilities including principles and practices of planning, directing and evaluating a respiratory therapy department.

Typically offered: Demand

RTH 361 - Respiratory Physiology

Credit Hours: 2
In-depth study and analysis of ventilation, the response to chemical and gaseous agents and manifestation and diagnosis and treatment of pulmonary disease.

Typically offered: Demand

RTH 370 - Advanced Clinical Techniques

Credit Hours: 4
Selected topics in the use of biomedical electronic and health related equipment as applied to Respiratory Therapy.

Prerequisite: permission of instructor.
Typically offered: Demand

RTH 371 - Cardiovascular Physiology

Credit Hours: 3
A course describing detailed anatomy and physiology of the cardiovascular system. Topics included are: neurogenic and histogenic homeostasis, shock, disease processes and diagnostic testing.

Typically offered: Demand

RTH 380 - Special Studies in Respiratory Therapy

Credit Hours: 4
Provides the student with the opportunity for advanced work in a specialty area on an individual basis.

Typically offered: Demand

RTH 381 - Clinical Practicum in Respiratory Care

Credit Hours: 3
Supervised practical application of various respiratory care procedures performed in clinical settings.

Typically offered: Demand

RTH 382 - Clinical Practicum in Respiratory Care

Credit Hours: 3
Supervised practical application of various respiratory care procedures performed in clinical settings.

Prerequisite: RTH 381.
Typically offered: Demand

RTH 383 - Clinical Practicum in Respiratory Care

Credit Hours: 3
Continuation of RTH 382.

Prerequisite: RTH 382.
Typically offered: Demand

Russian

RUS 101 - Elementary Russian I

Credit Hours: 3
CORE 42: MOTR number LANG 105 - Foreign Language 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. 3(3-0) F

Lecture contact hours: 3

Typically offered: Fall

Access the CORE 42 Portal

RUS 102 - Elementary Russian II

Credit Hours: 3
CORE 42: MOTR number LANG 106 - Foreign Language II.

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.

Prerequisite: C or better in RUS 101.
Lecture contact hours: 3

Typically offered: Spring

Access the CORE 42 Portal

RUS 201 - Intermediate Russian I

Credit Hours: 3
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.

Prerequisite: C or better in RUS 102.
Lecture contact hours: 3

Typically offered: Fall

RUS 202 - Intermediate Russian II

Credit Hours: 3
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.

Prerequisite: C or better in RUS 201.

Lecture contact hours: 3

Typically offered: Spring

RUS 297 - Special Topics in Russian

Credit Hours: 1-6
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. Variable content course. May be repeated to a maximum of six hours as topics change.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

RUS 498 - Seminar Course in Russian

Credit Hours: 1-3
Supervised independent study in literature, linguistics or other restricted topics. May be repeated to a maximum of six hours.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

Science Education

SCI 404 - Teaching of Middle School Natural Science

Credit Hours: 3
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.

Prerequisite: BIO 100 or BIO 101 and BIO 111 ; and CHM 116 and CHM 117 and PHY 101 and GRY 240 ; EDC 350 or concurrent enrollment; and admission to Teacher Education.
Recommended Prerequisite: LTC 318 and MID 421 .

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

SCI 499 - Clinical Experience in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

SCI 505 - Intellectual Foundations of Science and Technology

Credit Hours: 3
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 505 and SCI 605.

Prerequisite: 70 hours including 8 hours of natural science.
Lecture contact hours: 3

Typically offered: Spring

SCI 580 - Topics in Science Education

Credit Hours: 1-4
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 to a maximum of six hours when the topic varies. No more than six hours may be counted toward a degree. May be taught concurrently with SCI 685. Cannot receive credit for both SCI 580 and SCI 685.

Prerequisite: 70 hours.
Typically offered: Demand

Secondary Education

SEC 300 - Clinical and Field Experiences in Secondary Education

Credit Hours: 2
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.

Prerequisite: SFR 250; and earned a composition score or superscore of 20 or better on the ACT or attempted Missouri State Board of Education entry examination; and concurrent enrollment in SEC 301.
Corequisite: SEC 301
Lab contact hours: 4

Typically offered: Demand

SEC 301 - Introduction to Teaching in the Secondary School

Credit Hours: 2
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.

Prerequisite: SFR 250; and earned a composition score or superscore of 20 or better on the ACT or attempted Missouri State Board of Education entry examination; and concurrent enrollment in SEC 300.
Corequisite: SEC 300
Lecture contact hours: 2

Typically offered: Demand

SEC 302 - General Methods of Instruction in the Middle and Secondary Schools

Credit Hours: 3
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. Cannot be taken Pass/Not Pass.

Prerequisite: 30 hours.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

SEC 439 - Instructional Strategies in Career and Technical Education

Credit Hours: 3
This course will provide opportunities for supervised, direct involvement in the public school setting at the secondary level. Preservice teachers will learn and implement instructional strategies including facilitation of student learning and managing the learning environment in order to provide effective instruction for CTE. This course includes 45 hours of practicum experience. A lesson will be taught, and a formal observation will be conducted by university faculty/staff at local/area secondary schools.

Prerequisite: SEC 526 and SEC 527; and admitted to Teacher Education or instructor approval.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

SEC 493 - Supervised Teaching (Secondary)

Credit Hours: 5-6
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.

Prerequisite: completion of all method courses in chosen content area; and a B grade or better in all professional education courses; and current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in SEC 494.
Corequisite: SEC 494
Typically offered: Fall, Spring

SEC 494 - Supervised Teaching (Secondary)

Credit Hours: 5-6
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.

Prerequisite: concurrent enrollment in SEC 493; and a B grade or better in all professional education courses.
Corequisite: SEC 493
Typically offered: Fall, Spring

SEC 495 - Theory into Practice: Applications Workshop

Credit Hours: 1-3
Students enroll in workshops, offered during the supervised 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.

Prerequisite: completion of all method courses in chosen content area; and a C grade or better in all professional education courses; approval for supervised teaching; and concurrent enrollment in SEC 493 or other supervised teaching course.
Corequisite: SEC 493
Typically offered: Fall, Spring

SEC 499 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

SEC 522 - Philosophy of Vocational Business Education

Credit Hours: 3
Philosophical foundations of vocational education; philosophies of Vocational Business Education in a contemporary school setting; including assessing specific program needs as determined from occupational surveys and other demographic data, and evaluating the overall effectiveness of the program on manpower needs in a given labor market area.

Lecture contact hours: 3

Typically offered: Demand

SEC 526 - Curriculum in Career and Technical Education

Credit Hours: 3
Investigation of various types of CTE curriculum including fundamental concepts in CTE for implementing effective programs. May be taught concurrently with SEC 626. Cannot receive credit for both SEC 526 and SEC 626.

Lecture contact hours: 3

Typically offered: Demand

SEC 527 - Teaching and Learning in Career and Technical Education

Credit Hours: 3
Methods, techniques, assessment, and current issues and trends in CTE.

Lecture contact hours: 3

Typically offered: Fall, Spring

SEC 528 - Measurement and Evaluation of Vocational Education Programs

Credit Hours: 1-3
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 maximum of three hours. May be taught concurrently with SEC 628. Cannot receive credit for both SEC 528 and SEC 628.

Typically offered: Demand

Secondary Education, Foundations, and Research

SFR 250 - Foundations of American Education

Credit Hours: 3
This course introduces education majors to the academic units. 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.

Prerequisite: 30 hours.
Lecture contact hours: 3

Typically offered: Demand

SFR 305 - Field Experiences in Education

Credit Hours: 2
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.

Lab contact hours: 4

Typically offered: Fall, Spring

SFR 351 - Philosophical Problems of Education

Credit Hours: 2
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.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 2

Typically offered: Demand

SFR 353 - History of Educational Thought

Credit Hours: 2
The history of major educational ideas and their relationships to contemporary educational theories and practices.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 2

Typically offered: Demand

SFR 354 - Social and Philosophical Foundations of American Education

Credit Hours: 2
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.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 2

Typically offered: Demand

SFR 396 - Student Assessment and Evaluation

Credit Hours: 2
Planning, constructing, using, and analyzing a variety of assessment practices to enable preservice teachers to make reflective decisions in the classroom.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 2

Typically offered: Demand

SFR 399 - Problems in Education

Credit Hours: 1-3
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 three hours.

Typically offered: Demand

SFR 442 - Techniques of Classroom Management

Credit Hours: 2
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.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 2

Typically offered: Demand

SFR 444 - Approaches to Individualizing Education

Credit Hours: 2
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.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 2

Typically offered: Demand

SFR 482 - Teacher Relationships with the School of Society

Credit Hours: 2
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.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 2

Typically offered: Demand

SFR 486 - Management and Assessment in the Middle and Secondary Classroom

Credit Hours: 3
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.

Prerequisite: admission to Teacher Education or concurrent enrollment in EDC 150; and PSY 360 or equivalent competencies.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

SFR 521 - Techniques for Teaching Adults

Credit Hours: 3
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 521 and SFR 621.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Demand

SFR 547 - Guidance and Interpersonal Relationships in the Classroom

Credit Hours: 2
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 547 and SFR 647.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 2

Typically offered: Demand

SFR 576 - Topical Issues in Education

Credit Hours: 1-5
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 576 and SFR 676.

Typically offered: Demand

SFR 581 - Law and the Classroom Teacher

Credit Hours: 2
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 581 and SFR 681.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 2

Typically offered: Demand

SFR 583 - Contemporary Issues in Education

Credit Hours: 2
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 583 and SFR 682.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 2

Typically offered: Demand

SFR 595 - Applications of Educational Measurement

Credit Hours: 2
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 595 and SFR 695.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 2

Typically offered: Demand

Sociology

SOC 150 - Introduction to Society

Credit Hours: 3
General Education Course: Focus on Social and Behavioral Sciences **CORE 42:** MOTR number SOCI 101 - General Sociology.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

SOC 152 - Social Problems in the Community

Credit Hours: 3
General Education Course: Focus on Public Issues **CORE 42:** MOTR number SOCI 201 - Social Problems.

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.

Prerequisite: 12 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

SOC 220 - Statistics for Social Research

Credit Hours: 3
A first course in statistics for students whose college and career paths require knowledge of the fundamentals of the collection, analysis and interpretation of data. Topics include the presentation of interpretation of univariate and bivariate data using graphical and numerical methods, probability, discrete and continuous probability distributions, linear regression, statistical inference, confidence intervals and hypothesis testing. Emphasis is placed on the development of statistical thinking and the use of technology. Cannot receive credit toward a degree for more than one of the following courses: AGR 330, IPE 381, MTH 340, PSY 200, QBA 237, SPR 328, SOC 220.

Lecture contact hours: 3

Typically offered: Fall, Spring

SOC 300 - Service Learning Curricular Component

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in a Sociology course designated as service-learning offering.
Typically offered: Demand

SOC 301 - Research Methodology

Credit Hours: 3
Methods of collecting and analyzing data including survey, interviewing and observation techniques, scaling and sampling designs.

Lecture contact hours: 3

Typically offered: Fall, Spring

SOC 309 - Work, Employment, and Society

Credit Hours: 3
This course explores the concept of work in Western society with a focus on the social organization of work, current trends affecting the workplace, and inequalities. Topics include the structure of work, economic changes, and concerns of workers such as earnings, benefits, unemployment, and the balance between work and family.

Lecture contact hours: 3

Typically offered: Demand

SOC 310 - Social Deviance

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

SOC 311 - Sociology of Sexuality

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring Even

SOC 315 - The Family

Credit Hours: 3
The family as a social institution; its adjustment to modern social conditions; personality adjustments in marriage.

Lecture contact hours: 3

Typically offered: Demand

SOC 316 - Urban Sociology

Credit Hours: 3
The rise and development of urban settlements (cities), their ecology, problems, and an examination of urbanism as a way of life generated in cities.

Lecture contact hours: 3

Typically offered: Fall

SOC 318 - Sociology of Intimate Relationships

Credit Hours: 3
This course will explore love, romance, desire, courtship, and intimate relationships in the modern world. Course 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.

Lecture contact hours: 3

Typically offered: Spring

SOC 319 - Environmental Sociology

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

SOC 320 - Political Sociology

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

SOC 325 - Introduction to Sociological Theory

Credit Hours: 3
A survey of the development of sociological theory with emphasis upon the social and historical influences shaping the thought of classical theorists.

Prerequisite: SOC 150.
Lecture contact hours: 3

Typically offered: Fall, Spring

SOC 332 - Juvenile Delinquency

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

SOC 336 - Race and Ethnicity

Credit Hours: 3
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. Identical with AAS 336. Cannot receive credit for both SOC 336 and AAS 336.

Lecture contact hours: 3

Typically offered: Demand

SOC 337 - Sociology of Gender

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

SOC 340 - Global Health and Social Justice

Credit Hours: 3
This course considers social forces that affect people's health, risk of illness, and access to adequate health services across the globe. Course will analyze social and political conditions that give rise to and reinforce inequities in health and health outcomes. With the understanding that health is, at its core, a social justice issue, this course also considers policies and programs that attempt to address health problems by reducing disparities. Students will gain familiarity with global perspectives and influences on human health that are relevant to careers in health care and other fields. Specific topics include major health threats and global health priorities, social and environmental contributions to health and illness, and organizational responses to health concerns.

Lecture contact hours: 3

Typically offered: Fall Odd

SOC 341 - Medical Sociology

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

SOC 350 - Violence and Society in Latin America

Credit Hours: 3
This course offers an interdisciplinary approach towards the understanding of violence and society in Latin America, allowing the students to develop an in-depth understanding of Latin American social history. Students will examine the issue of violence as the history, government, culture, values, language, nation, gender, race, and social inequalities within Latin American societies. The course will provide a broad understanding of the major elements in the development of Latin America over the past decades. Topics may include socioeconomic development, poverty and

inequality, social movements, institutions, and social change. The course will demonstrate Latin America in a transnational context. Students are expected to be critically engaged throughout the course. Expert guest lecturers will also be invited to participate.

Lecture contact hours: 3

Typically offered: Fall

SOC 354 - Sociology of Reality Television

Credit Hours: 3
How does "Are You the One" shed light on contemporary courtship rituals? What can "The Challenge" teach us about race and how does "Drag Race" interrogate gender? Reality television shows may seem like frivolous fun (and they are!), but they are also illuminating social artifacts that reflect contemporary American tastes, cultural norms, and values. Through discussion of sociological principles paired with episodes of reality shows, students will learn to analyze these forms of contemporary entertainment through a social scientific lens.

Lecture contact hours: 3

Typically offered: Fall

SOC 357 - Sociology of Sport

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

SOC 360 - The Individual in Society

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

SOC 375 - Social Forces and Aging

Credit Hours: 3
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.

Prerequisite: sophomore standing.
Lecture contact hours: 3

Typically offered: Demand

SOC 380 - Sociology of Law

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

SOC 384 - Social Movements

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

SOC 390 - Religion in Society

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

SOC 397 - Special Topics

Credit Hours: 1-3
Selected topics of contemporary interest in Sociology. Variable content course. May be repeated to a maximum of six hours when the topic changes.

Typically offered: Demand

SOC 398 - Public Sociology and Community Studies

Credit Hours: 3
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.

Prerequisite: SOC 150 and Sociology major or minor.
Lecture contact hours: 3

Typically offered: Fall, Spring

SOC 403 - Special Topics in Social Research

Credit Hours: 1-3
This course provides instruction and applied experience in a particular research method such as: survey design, program evaluation, interview/focus groups, field method, quantitative analysis, etc. Variable content course. May be repeated to a maximum of six hours when the topic changes. No more than six hours may be applied to the Sociology major.

Prerequisite: SOC 301.
Typically offered: Demand

SOC 420 - Social Inequality

Credit Hours: 3
An analysis of the structure, sources, and consequences of social inequality and the dimensions along which it may be observed.

Prerequisite: SOC 150.
Lecture contact hours: 3

Typically offered: Spring

SOC 430 - The Nonprofit Sector and Civil Society

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring Even

SOC 450 - Population, Society, and Public Policy

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

SOC 456 - Food in Society

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

SOC 470 - Practicum in Applied Sociological Research

Credit Hours: 3
Group experience in designing and carrying out an applied community research project. Variable content course.

Prerequisite: SOC 301 and SOC 220 and SOC 325 and permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 4

Typically offered: Demand

SOC 480 - Health Inequities Across the Life Course

Credit Hours: 3
Why are some social groups more susceptible to poorer health outcomes than others? In this course, we address this question by examining the extent of, patterns of, and reasons behind social inequities in health and wellbeing across the life span. This course draws on interdisciplinary perspectives including sociology, social epidemiology, psychology, health demography, feminist theory, critical studies, and health services research to provide an in-depth investigation of how health inequities across race/ethnicity, gender/sex, sexual identity, class and other social locations emerge and are perpetuated throughout time. The focus will largely center on social and structural determinants of health. Lastly, the course will focus on health policy, and the ways that health policy shapes priorities regarding actions taken to lessen health inequities across groups. Though the course will center on the U.S. context, we will also investigate health inequities across the globe, particularly as they compare to U.S. inequities. This course is ideal for anyone interested in research or applied careers in health and health care as well as those curious at how the social environment can influence one's health and wellbeing.

Prerequisite: SOC 150 or permission of instructor.
Lecture contact hours: 3

Typically offered: Fall

SOC 492 - Leadership and Professional Development

Credit Hours: 3
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.

Prerequisite: senior standing.
Typically offered: Fall, Spring

SOC 497 - Special Topics

Credit Hours: 1-3
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. Variable content course. May be repeated to a maximum of six hours when topic changes.

Prerequisite: 9 hours sociology and permission of instructor.
Typically offered: Demand

SOC 499 - Internship in Applied Sociology

Credit Hours: 1-6
Supervised work experience in business, industry, governmental, institutional and/or agency settings where sociological skills are utilized. One credit hour for each 35 clock hours on the job. No more than six hours internship credit may be applied to the Sociology major.

Prerequisite: 18 hours in Sociology and permission of instructor.
Typically offered: Demand

SOC 596 - Directed Readings in Sociology

Credit Hours: 1-3
Readings designed to supplement material introduced in previous Sociology courses. Includes a wide selection from literature in the field. May be repeated to a maximum of nine hours, but no more than six hours may be applied to the sociology major. May be taught concurrently with SOC 697. Cannot receive credit for both SOC 596 and SOC 697.

Prerequisite: permission of instructor.
Typically offered: Demand

SOC 599 - Sociological Research

Credit Hours: 1-3
Independent and/or group work in research methodology, data manipulation and presentation in selected fields of sociology. May be repeated to a maximum of nine hours.

Prerequisite: SOC 150 and SOC 301 and SOC 220 and SOC 325 and permission of instructor.
Typically offered: Demand

Social Work

SWK 200 - Introduction to Social Work

Credit Hours: 3
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 C grade or better is required for admission to the BSW program.

Lecture contact hours: 3

Typically offered: Fall, Spring

SWK 213 - Social Welfare Policy and Services

Credit Hours: 3
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 C grade or better is required for admission to the BSW program.

Prerequisite: C grade or better in SWK 200 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Spring

SWK 219 - Human Diversity

Credit Hours: 3
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 C grade or better is required for admission to the BSW program.

Lecture contact hours: 3

Typically offered: Fall, Spring

SWK 300 - Service-Learning in Social Work

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent enrollment in SWK 213.
Lab contact hours: 2

Typically offered: Fall, Spring

SWK 304 - Professional Development and Social Work Ethics

Credit Hours: 3
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.

Prerequisite: admission to the BSW program.
Lecture contact hours: 3

Typically offered: Spring

SWK 307 - Social Work Practice with Individuals

Credit Hours: 3
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.

Prerequisite: admission to the BSW program.
Lecture contact hours: 3

Typically offered: Fall

SWK 313 - Social Justice

Credit Hours: 3
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.

Prerequisite: admission to the BSW program; and ECO 155 or ECO 165 or concurrent enrollment; and PLS 101.
Lecture contact hours: 3

Typically offered: Fall

SWK 315 - Social Work Practice with Groups

Credit Hours: 3
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.

Prerequisite: admission to the BSW program.
Lecture contact hours: 3

Typically offered: Spring

SWK 325 - Human Behavior and the Social Environment I

Credit Hours: 3
An introduction to the dynamics of human behavior and the effects of the social environment on the development of individuals and families.

Prerequisite: admission to the BSW program; PSY 121 and SOC 150 or concurrent enrollment in PSY 121 and SOC 150.
Lecture contact hours: 3

Typically offered: Fall

SWK 326 - Human Behavior and the Social Environment II

Credit Hours: 3
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.

Prerequisite: admission to the BSW program; and SWK 325.
Lecture contact hours: 3

Typically offered: Spring

SWK 330 - Social Work Practice with Addictions

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

SWK 365 - Families in Later Life

Credit Hours: 3
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.

Prerequisite: PSY 121; and CFD 155 or CFD 163 or 30 hours.
Lecture contact hours: 3

Typically offered: Fall

SWK 370 - Child Welfare Services

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

SWK 375 - Social Work Perspectives with Latino/a Communities

Credit Hours: 3
This course focuses on providing services to Spanish-speaking communities, with historical context for understanding current social, health, economic, political, and legal issues facing the population. Strategies for serving individuals and families through culturally and linguistically appropriate services will be presented in class. A strengths perspective will be offered to identify alternative service frameworks for addressing contemporary barriers to health and social services.

Lecture contact hours: 3

Typically offered: Fall

SWK 397 - Special Topics

Credit Hours: 1-3
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. Variable content course. May be repeated to a maximum of six hours as topics change.

Prerequisite: permission of instructor.
Typically offered: Demand

SWK 418 - Methods of Social Research in Social Work Practice

Credit Hours: 3
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.

Prerequisite: admission to the BSW program; SWK 307 and SWK 326; and one of the following statistics courses: SOC 220, PSY 200, IPE 381, AGR 330, MTH 340, QBA 237, SPR 328, or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall

SWK 420 - Social Work Practice with Families

Credit Hours: 3
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.

Prerequisite: admission to the BSW program; and SWK 307 and SWK 326.
Lecture contact hours: 3

Typically offered: Fall

SWK 430 - Social Work Practice in Communities and Organizations

Credit Hours: 3
Problem assessment and practice interventions with macrosystems. Examines strategies and techniques for social work practice with organizations and communities.

Prerequisite: admission to the BSW program; and SWK 307 and SWK 326.
Lecture contact hours: 3

Typically offered: Fall

SWK 470 - Community Resources for Older Adults

Credit Hours: 3
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.

Prerequisite: PSY 121.
Lecture contact hours: 3

Typically offered: Fall

SWK 480 - Social Work Integrative Seminar

Credit Hours: 3
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.

Prerequisite: admission to the BSW program; and SWK 418 and SWK 420 and SWK 430; and concurrent enrollment in SWK 490.
Corequisite: SWK 490
Lecture contact hours: 3

Typically offered: Spring

SWK 490 - Practicum in Social Work

Credit Hours: 9
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 400 hours. Failure to pass this course will result in failure to pass SWK 480. Graded Pass/Not Pass only. Public Affairs Capstone Experience course.

Prerequisite: admission to the BSW program; and SWK 418 and SWK 420 and SWK 430; and concurrent enrollment in SWK 480.

Corequisite: SWK 480
Lab contact hours: 32

Typically offered: Spring

SWK 496 - Directed Readings in Social Work

Credit Hours: 1-3
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 maximum of nine hours.

Prerequisite: 6 hours of social work and permission.
Typically offered: Demand

SWK 502 - Rural Health

Credit Hours: 3
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 502 and SWK 602.

Prerequisite: junior standing.
Lecture contact hours: 3

Typically offered: Fall, Spring

SWK 543 - Non-Profit Management in the Health and Human Services

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

SWK 595 - Grant Writing in the Health and Human Services

Credit Hours: 3
This 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.

Lecture contact hours: 3

Typically offered: Fall

SWK 597 - Special Topics

Credit Hours: 1-3
Selected topic of advanced content in social work, relevant to fields of practice or practice methodologies. May be repeated to a maximum of six hours as topics change. May be taught concurrently with SWK 699. Cannot receive credit for both SWK 597 and SWK 699.

Prerequisite: junior standing.
Typically offered: Demand

SWK 599 - Health Literacy in the Human Services

Credit Hours: 3
This 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 and IPE 599; may be taught concurrently with SWK 696 or PBH 699. Can only receive credit for one of the following: BMS 599, IPE 599, SWK 599, SWK 696, or PBH 699.

Lecture contact hours: 3

Typically offered: Spring

Spanish

SPN 101 - Elementary Spanish I

Credit Hours: 3
CORE 42: MOTR number LANG 103 - 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.

Lecture contact hours: 3

Typically offered: Fall, Spring

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SPN 102 - Elementary Spanish II

Credit Hours: 3
CORE 42: MOTR number LANG 104 - Spanish II.

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.

Prerequisite: C or better in SPN 101.
Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

SPN 103 - Elementary Spanish I and II

Credit Hours: 6
This course encompasses in one semester what is typically offered as the first and second part of the introductory sequence in Spanish (SPN 101 and SPN 102). Students acquire Novice High-level proficiency in the interpersonal, interpretive, and presentational communicative modes and begin to explore the cultural perspectives, products, and practices of Spanish-speaking peoples. The amount of contact time for class meetings per week is twice as much as in one SPN 101 or SPN 102 course. Students with prior credit for SPN 101 and/or SPN 102 cannot receive credit toward graduation for SPN 103.

Lecture contact hours: 6

Typically offered: Fall, Spring

SPN 195 - The Spanish Heritage Speaker Experience

Credit Hours: 3
This course introduces students to a wide range of historical, cultural, political, and sociolinguistic issues that contribute to shaping the experiences, identities, and language backgrounds of heritage speakers of Spanish throughout the United States. Related topics, such as language loss and preservation, dialectal variation, bilingualism, code-switching, immigration, language policy, and cultural identity, are also explored. This course will be taught in English.

Lecture contact hours: 3

Typically offered: Fall

SPN 201 - Intermediate Spanish I

Credit Hours: 3
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.

Prerequisite: C or better in SPN 102 or SPN 103.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPN 202 - Intermediate Spanish II

Credit Hours: 3
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.

Prerequisite: C or better in SPN 201.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPN 203 - Intermediate Spanish I and II

Credit Hours: 6
This course encompasses in one semester what is typically offered as the first and second part of the intermediate sequence in Spanish (SPN 201 and SPN 202). Students acquire Intermediate Mid-level proficiency in the interpersonal, interpretive, and presentational communicative modes, while exploring the cultural perspectives, products, and practices of Spanish-speaking peoples. The amount of contact time for class meetings per week is twice as much as in one SPN 201 or SPN 202 course. Students with prior credit for SPN 201 and/or SPN 202 cannot receive credit toward graduation for SPN 203.

Prerequisite: SPN 102 or SPN 103.
Lecture contact hours: 6

Typically offered: Fall, Spring

SPN 205 - Spanish Proficiency Skills

Credit Hours: 3
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.

Prerequisite: C or better in SPN 201 or SPN 203.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPN 290 - Intermediate Grammar Review

Credit Hours: 3
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, and the class will be conducted in Spanish. This course is recommended for intermediate-level students who want and need more grammar instruction after recently completing SPN 202 or SPN 203.

Prerequisite: SPN 202 or SPN 203.

Lecture contact hours: 3

Typically offered: Spring

SPN 295 - Spanish for Heritage Speakers

Credit Hours: 3
This course is designed for Spanish heritage learners who have attained some proficiency in Spanish through previous exposure but have had little to no formal instruction. The course builds upon the strengths of heritage learners while also addressing their unique needs. Through a focus on real-world contexts and tasks, heritage learners build their vocabulary and knowledge of grammar and syntax; enhance their proficiency in reading, writing, speaking, and listening; and learn to effectively communicate in speech and writing in a variety of registers. This course is for heritage speakers of Spanish only.

Prerequisite: SPN 195; and permission of instructor.
Lecture contact hours: 3

Typically offered: Summer

SPN 297 - Special Topics in Spanish

Credit Hours: 1-6
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. Variable content course. May be repeated to a maximum of six hours as topics change.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

SPN 300 - Service Learning in Spanish

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in a Spanish course at the 202 level or above.
Typically offered: Fall, Spring

SPN 312 - Spanish Composition

Credit Hours: 3
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.

Prerequisite: SPN 202 or SPN 203 or SPN 205.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPN 314 - Hispanic Contemporary Issues

Credit Hours: 3
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.

Prerequisite: SPN 312.
Lecture contact hours: 3

Typically offered: Fall

SPN 316 - Spanish for the Professions

Credit Hours: 3
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.

Prerequisite: SPN 312.
Lecture contact hours: 3

Typically offered: Fall

SPN 317 - Medical Spanish

Credit Hours: 3
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.

Prerequisite: SPN 312.
Lecture contact hours: 3

Typically offered: Spring

SPN 318 - Spanish for Law Enforcement

Credit Hours: 3
This course is intended for students who wish to enhance their basic and intermediate Spanish skills in the law enforcement and the legal fields. Students will develop skills to interact successfully in informal and formal contexts with victims, witnesses, and other legal system participants. This course will also cover topics that relate to Hispanic cultural views, particularly with regard to the legal system, authority perceptions, and social justice to help students respond appropriately within the law enforcement context.

Prerequisite: SPN 312.

Lecture contact hours: 3

Typically offered: Fall

SPN 320 - Hispanic Cinema

Credit Hours: 3
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.

Prerequisite: SPN 312.
Lecture contact hours: 3 **Lab contact hours:** 1

Typically offered: Spring

SPN 324 - Introduction to Spanish Linguistics

Credit Hours: 3
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.

Prerequisite: SPN 312.
Lecture contact hours: 3

Typically offered: Fall

SPN 325 - Civilization of Spain

Credit Hours: 3
Origin and development of Iberian culture; includes geography, history, philosophy and arts.

Prerequisite: SPN 312.
Lecture contact hours: 3

Typically offered: Spring

SPN 326 - Civilization of Spanish America

Credit Hours: 3
Origin and development of Spanish American culture; includes geography, history, philosophy, and the arts.

Prerequisite: SPN 312.
Lecture contact hours: 3

Typically offered: Fall

SPN 410 - Translation

Credit Hours: 3
Activities and exercises in oral and written translation focusing on career fields.

Prerequisite: SPN 312.
Lecture contact hours: 3

Typically offered: Fall

SPN 411 - Introduction to Interpreting

Credit Hours: 3
This course develops students' interpersonal oral communication skills and cultural competence by focusing on the development of English-to-Spanish and Spanish-to-English interpreting skills applicable in medical, educational, social services, and some legal settings. Students learn specialized terminology, techniques for interpreting in various modes (consecutive, simultaneous and sight translation), ethical protocols, and basic business practices employed in the language services industry.

Prerequisite: SPN 312.
Lecture contact hours: 3

Typically offered: Spring

SPN 415 - Business Spanish

Credit Hours: 3
This course presents language skills and business terminology necessary for future careers in business, trade, marketing, or commerce. Emphasis is given to business related scenarios such as personal interviews, business writing etiquette, etc. Course also examines political, economic, social, and cultural factors which affect business in the Hispanic countries and the U.S. Hispanic community.

Prerequisite: SPN 312 or higher.
Lecture contact hours: 3

Typically offered: Fall

SPN 450 - Modern Peninsular Literature

Credit Hours: 3
Selected works or authors from Modern Peninsular literature. Variable content course. May be repeated once with a different topic.

Prerequisite: SPN 312.
Lecture contact hours: 3

Typically offered: Fall

SPN 460 - Spanish American Literature

Credit Hours: 3
Selected works or authors from Spanish American Literature. Variable content course. May be repeated once with a different topic.

Prerequisite: SPN 312.
Lecture contact hours: 3

Typically offered: Spring

SPN 480 - Directed Readings

Credit Hours: 1-3
May be repeated to a maximum of six hours.

Prerequisite: permission of instructor and department head.
Typically offered: Demand

SPN 495 - Advanced Undergraduate Seminar in Spanish

Credit Hours: 3
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 to a maximum of six hours as content changes.

Prerequisite: SPN 325 or SPN 326; and SPN 450 or SPN 460; or permission of instructor.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPN 510 - Advanced Translation

Credit Hours: 3
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 510 and SPN 610.

Prerequisite: SPN 410.
Lecture contact hours: 3

Typically offered: Demand

SPN 524 - Advanced Topics in Hispanic Linguistics

Credit Hours: 3
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.

Prerequisite: SPN 324.
Lecture contact hours: 3

Typically offered: Spring Odd

SPN 590 - Advanced Spanish Grammar

Credit Hours: 3
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.

Prerequisite: SPN 312 or permission of instructor.
Lecture contact hours: 3

Typically offered: Spring

Special Education

SPE 300 - Service-Learning in Special Education

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in SPE 310 or SPE 340 or SPE 715.
Typically offered: Fall, Spring

SPE 301 - Conceptually Accurate Signed English I

Credit Hours: 3
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 SPE 630. Cannot receive credit for both SPE 301 and SPE 630.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

SPE 302 - Conceptually Accurate Signed English II

Credit Hours: 3
Prerequisite: SPE 301. 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 SPE 631. Cannot receive credit for both SPE 302 and SPE 631.

Prerequisite: SPE 301.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

SPE 306 - Integrating the Arts for Students with Disabilities

Credit Hours: 2
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.

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.
Lecture contact hours: 2

Typically offered: Fall, Spring

SPE 310 - Introduction to Special Education

Credit Hours: 3
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 posting of initial Teacher Education Contract and Contact Information.

Prerequisite: 30 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

SPE 311 - Introduction to American Sign Language (ASL)

Credit Hours: 3
CORE 42: MOTR number LANG 105 - Foreign Language I.

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 SPE 636. Cannot receive credit for both SPE 311 and SPE 636.

Lecture contact hours: 3

Typically offered: Fall, Spring, Summer

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SPE 312 - American Sign Language (ASL) II

Credit Hours: 3
CORE 42: MOTR number LANG 106 - Foreign Language II.

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 SPE 637. Cannot receive credit for both SPE 312 and SPE 637.

Prerequisite: SPE 311.
Lecture contact hours: 3

Typically offered: Fall, Spring

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SPE 313 - American Sign Language (ASL) III

Credit Hours: 3
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 SPE 638. Cannot receive credit for both SPE 313 and SPE 638.

Prerequisite: SPE 312.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPE 314 - American Sign Language (ASL) IV

Credit Hours: 3
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 SPE 639. Cannot receive credit for both SPE 314 and SPE 639.

Prerequisite: SPE 313.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPE 320 - Introduction to Teaching Cross Categorical Special Education

Credit Hours: 3
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.

Prerequisite: SPE 310; and admission to Teacher Education.
Corequisite: SPE 322
Lecture contact hours: 3

Typically offered: Fall

SPE 322 - Introduction to Teaching Cross-Categorical Special Education-Practicum

Credit Hours: 1
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.

Prerequisite: admission to Teacher Education; cleared background check; and concurrent enrollment in SPE 320.
Corequisite: SPE 320
Lab contact hours: 2

Typically offered: Fall, Spring

SPE 340 - Educational Alternative for Exceptional Students

Credit Hours: 2
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.

Prerequisite: 30 hours.
Lecture contact hours: 2

Typically offered: Fall, Spring

SPE 345 - Educational Evaluation of Exceptional Students

Credit Hours: 4
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.

Prerequisite: SPE 310; and concurrent enrollment in SPE 346; and admitted to Teacher Education.
Corequisite: SPE 346
Lecture contact hours: 4

Typically offered: Fall, Spring

SPE 346 - Educational Evaluation of Exceptional Students Lab

Credit Hours: 2
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.

Prerequisite: SPE 310; and concurrent enrollment in SPE 345; and admitted to Teacher Education.
Corequisite: SPE 345
Lab contact hours: 4

Typically offered: Fall, Spring

SPE 450 - Methods of Teaching Mathematics to Exceptional Individuals

Credit Hours: 3
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.

Prerequisite: SPE 345 and SPE 346 and MTH 320 and admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPE 460 - Curriculum Materials for Exceptional Students

Credit Hours: 2
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.

Prerequisite: SPE 310 and admitted to Teacher Education.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Spring

SPE 480 - Problems in Special Education

Credit Hours: 1-5
The student in consultation with the advisor or teacher selects a topic in special education for in-depth study and/or special investigation. Variable content course. Number of class hours determined by semester hours of credit. May be repeated to a maximum of five hours.

Prerequisite: permission of instructor.
Typically offered: Demand

SPE 491 - Practicum-Teaching Individuals with Behavior Disorders/Emotional Disturbance

Credit Hours: 2
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.

Prerequisite: concurrent enrollment in SPE 581 or SPE 661; and admitted to Teacher Education.
Lab contact hours: 4

Typically offered: Spring

SPE 492 - Practicum-Teaching Individuals with Learning Disabilities

Credit Hours: 2
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.

Prerequisite: concurrent enrollment in SPE 582 or SPE 662; and admitted to Teacher Education.
Lab contact hours: 4

Typically offered: Fall

SPE 493 - Practicum-Teaching Individuals with Mental Retardation/Developmental Disabilities

Credit Hours: 2
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.

Prerequisite: concurrent enrollment in SPE 583 or SPE 663; and admitted to Teacher Education.
Lab contact hours: 4

Typically offered: Spring, Summer

SPE 495 - Supervised Teaching-Special Education

Credit Hours: 9
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 competency-based assessment projects must be submitted and approved. Public Affairs Capstone Experience course.

Prerequisite: SPE 497; and SPE 517 or SPE 617; and SPE 519 or SPE 619; and SPE 521 or SPE 621; and SPE 450; and B grade or better in all professional education courses; and current pre-professional liability insurance; and approval for supervised teaching.
Corequisite: SPE 496
Typically offered: Fall, Spring

SPE 496 - Seminar: Supervised Teaching-Special Education

Credit Hours: 3
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.

Prerequisite: SPE 497 or SPE 520 and SPE 522; and concurrent enrollment in SPE 495 or SPE 499.

Corequisite: SPE 495
Typically offered: Fall, Spring

SPE 497 - Practicum: K-12 Cross-Categorical Special Education

Credit Hours: 4
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.

Prerequisite: admission to Teacher Education; 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.
Lab contact hours: 8

Typically offered: Fall, Spring

SPE 499 - Clinical Experiences in Teaching II

Credit Hours: 4
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 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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and SPE 497 or SPE 520 and SPE 522; and concurrent enrollment in SPE 496; and C grade or better in all professional education courses; and completion of Transition Points 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

SPE 502 - Early Intervention for Young Children with Autism

Credit Hours: 1
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 502 and SPE 602.

Prerequisite: permission of school director.
Lecture contact hours: 1

Typically offered: Demand

SPE 504 - In-District Autism Consultant Training

Credit Hours: 1
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 504 and SPE 604.

Prerequisite: current Missouri teaching certification.
Lecture contact hours: 1

Typically offered: Demand

SPE 505 - Braille Reading and Writing I

Credit Hours: 3
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 505 and SPE 605.

Prerequisite: permission of instructor.
Lecture contact hours: 3

Typically offered: Fall

SPE 506 - Principles of Orientation and Mobility

Credit Hours: 2
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 506 and SPE 606.

Prerequisite: permission of instructor.
Lecture contact hours: 2

Typically offered: Spring

SPE 507 - Services and Diversity in Blindness and Low Vision and Additional Disabilities

Credit Hours: 2
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 507 and SPE 607.

Prerequisite: permission of instructor.
Lecture contact hours: 2

Typically offered: Summer

SPE 508 - Low Vision, Anatomy and Physiology of the Eye

Credit Hours: 3
This 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 508 and SPE 608.

Prerequisite: permission of instructor.
Lecture contact hours: 3

Typically offered: Fall

SPE 510 - Physical and Health Needs of Students with Disabilities

Credit Hours: 3
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 510 and SPE 613.

Prerequisite: SPE 345 and SPE 346; and admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Fall

SPE 515 - Foundations of Applied Behavior Analysis and Interventions for Teachers in Applied Settings

Credit Hours: 3
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 515 and SPE 616.

Prerequisite: admission to the Teacher Education.
Lecture contact hours: 3

Typically offered: Demand

SPE 516 - Application of Applied Behavior Analysis and Interventions in Applied Settings

Credit Hours: 3
This course focuses on the application of principles of Applied Behavior Analysis within school-based settings. Students will complete functional assessments with children with ASD and develop and implement function- and reinforcement-based interventions. A minimum of 60 hours of field experience is required. May be taught concurrently with SPE 618. Cannot receive credit for both SPE 516 and SPE 618. 3(2-2) F,S

Prerequisite: SPE 515.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

SPE 517 - Direct Instruction in Reading and Language Arts

Credit Hours: 3
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 517 and SPE 617.

Prerequisite: SPE 310 or SPE 340; and SPE 345 and SPE 346.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPE 519 - Methods I: Cognitive and Behavioral Teaching Approaches for Exceptional Learners

Credit Hours: 3
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 519 and SPE 619.

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.
Lecture contact hours: 3

Typically offered: Demand

SPE 520 - Practicum-Teaching Individuals with Learning and Behavioral Disorders

Credit Hours: 2
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 520 and SPE 620.

Prerequisite: concurrent enrollment in SPE 519 and admitted to Teacher Education.
Corequisite: SPE 519
Lab contact hours: 4

Typically offered: Demand

SPE 521 - Methods II: Functional Living Skills and Health Issues

Credit Hours: 3
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 521 and SPE 621.

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.
Lecture contact hours: 3

Typically offered: Demand

SPE 522 - Practicum-Instruction of Students with Developmental Disabilities and Other Health Impairments

Credit Hours: 2
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 522 and SPE 622.

Prerequisite: concurrent enrollment in SPE 521 and admitted to Teacher Education.
Corequisite: SPE 521
Lab contact hours: 4

Typically offered: Demand

SPE 523 - Curriculum and Methods in Early Childhood Special Education

Credit Hours: 3
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 523 and SPE 623.

Prerequisite: SPE 310; and admission to Teacher Education.
Lecture contact hours: 3

Typically offered: Demand

SPE 525 - Introduction to Teaching and Assessing Students with Autism Spectrum Disorders

Credit Hours: 3
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 525 and SPE 625.

Prerequisite: admitted to Teacher Education; SPE 345 and SPE 346.
Lecture contact hours: 3

Typically offered: Demand

SPE 526 - Applied Behavioral Analysis for Developmental Disabilities and Autism Spectrum Disorders

Credit Hours: 3
This course focuses on the application of principles of Applied Behavior Analysis within applied settings. Students will complete functional assessments, including functional analysis, with children with ASD and develop and implement function- and reinforcement-based interventions, with a focus on the variations of differential reinforcement. A minimum of 60 hours of field experience is required. May be taught concurrently with SPE 626. Cannot receive credit for both SPE 526 and SPE 626.

Prerequisite: SPE 515; and SPE 516 or PSY 508.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

SPE 527 - Seminar in Developmental and Sensory Disabilities

Credit Hours: 3
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.

Prerequisite: SPE 507 or SPE 525 or equivalent.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

SPE 540 - International Experiences in K-12 Special Education - Education Abroad

Credit Hours: 1-6
This course involves a field-based Education Abroad 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 six hours.

Prerequisite: SPE 310 or SPE 340, or concurrent enrollment.
Typically offered: Demand

SPE 550 - Career/Vocational Education and Transition

Credit Hours: 3
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 550 and SPE 650.

Prerequisite: admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPE 556 - Topical Issues in Special Education

Credit Hours: 1-5
To develop understanding and skills in relevant areas of special education. Each offering concerns a single topic. Variable content course. Number of class hours determined by semester hours of credit. May be repeated to a maximum of five hours when topics change. May be taught concurrently with SPE 656. Cannot receive credit for both SPE 556 and SPE 656.

Prerequisite: permission of instructor.
Typically offered: Demand

SPE 560 - Working with Families of Exceptional Individuals

Credit Hours: 3
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 560 and SPE 660.

Recommended Prerequisite: SPE 310.

Lecture contact hours: 3

Typically offered: Fall, Spring

SPE 579 - Application of Technology in Special Education

Credit Hours: 3
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.

Prerequisite: admission to Teacher Education; and SPE 320.
Lecture contact hours: 3

Typically offered: Demand

SPE 581 - Methods of Teaching Individuals with Behavior Disorders/Emotional Disturbance

Credit Hours: 3
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 581 and SPE 661. 3(3-0) S

Prerequisite: concurrent enrollment in SPE 491 and admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Spring

SPE 582 - Methods of Teaching Individuals with Learning Disabilities

Credit Hours: 3
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 582 and SPE 662.

Prerequisite: SPE 345 and SPE 346 and concurrent enrollment in SPE 492 and admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Fall

SPE 583 - Methods of Teaching Individuals with Mental Retardation/Developmental Disabilities

Credit Hours: 3
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 583 and SPE 663.

Prerequisite: SPE 345 and SPE 346 and concurrent enrollment in SPE 493 and admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Spring, Summer

SPE 584 - Language Development of Exceptional Students

Credit Hours: 2
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 584 and SPE 664.

Prerequisite: SPE 345 and SPE 346 and admitted to Teacher Education.
Lecture contact hours: 2

Typically offered: Demand

SPE 587 - Introduction to the Education of Students with Behavior Disorders

Credit Hours: 3
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 587 and SPE 667.

Prerequisite: SPE 310 and admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Fall

SPE 590 - Approaches in Mainstreaming Exceptional Students

Credit Hours: 3
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 590 and SPE 670.

Prerequisite: SPE 310 or SPE 340 and admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Demand

SPE 591 - Clinical Practicum in Special Education

Credit Hours: 1-3
This course is open to professionals with teaching certification or students pursuing a minor requiring credit hours in

addition to SPE 491, SPE 492, or SPE 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 591 and SPE 671.

Prerequisite: permission of instructor.
Typically offered: Demand

Sports and Recreation Administration

SPR 152 - Introduction to Sport, Recreation, and Society

Credit Hours: 3
Implications of sport and recreation values in society and the role that organizations, agencies, institutions and municipalities have played in the sport and recreation industries. Theories, concepts, and philosophies of sport and recreation in society. A survey of the career opportunities in the sport and recreation venues.

Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 160 - Outdoor Initiatives

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Fall, Spring

SPR 161 - Basic Low Impact Camping

Credit Hours: 1
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.

Prerequisite: permission of instructor.
Lecture contact hours: 1

Typically offered: Fall, Spring

SPR 190 - Applied Social Recreation

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

SPR 200 - Inclusion and Diversity in Sport and Recreation Administration

Credit Hours: 3
The course is designed to orient the student to the broad implications of inclusive sport and recreation administration: programs and services for people of all ages, abilities, cultures, ethnicities, genders, races, and religion.

Lecture contact hours: 3

Typically offered: Spring

SPR 205 - Concepts in Therapeutic Recreation

Credit Hours: 3
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.

Prerequisite: SPR 152 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 210 - Camp Counseling

Credit Hours: 2
Overview of the camping movement in America, the role of the counselor, and the personal development of the camper.

Lecture contact hours: 2

Typically offered: Fall, Spring

SPR 211 - Principles of Outdoor Recreation and Adventure Sports

Credit Hours: 3
An analysis of the history, nature, and importance of the outdoor recreation and adventure sports 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.

Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 235 - Adaptive Recreation Techniques Equipment

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Fall, Spring

SPR 300 - Service-Learning in Sport and Recreation Administration

Credit Hours: 1
This service component for an existing course incorporates community service with classroom instruction in sport and recreation 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.

Prerequisite: 30 hours and concurrent registration in a Sport and Recreation Administration course designated as a service-learning offering.
Typically offered: Fall, Spring

SPR 301 - The Role of Animals in Recreation

Credit Hours: 1
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.

Lecture contact hours: 1

Typically offered: Fall, Spring

SPR 302 - Ecotourism

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 303 - Recreational Tourism Frontiers

Credit Hours: 2
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.

Lecture contact hours: 2

Typically offered: Demand

SPR 304 - Community Recreation and Tourism

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

SPR 305 - Meeting Planning and Event Planning

Credit Hours: 3
This course provides an overview of meetings, expositions, events, and convention industry. Presents fundamental concepts related to the industry including topics such as venues, exhibitions and trade shows, destination management organizations, destination management companies, special events management, sustainability, technology, etc.

Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 307 - Adventure Sports-Land

Credit Hours: 3
Skill development in adventure sports land-based activities (hiking, bouldering, slacklining, 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 will have additional course costs related to specific gear and clothing related to their profession.

Prerequisite: permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

SPR 309 - Adventure Sports-Water

Credit Hours: 3
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 are required. Students will have additional course costs due to the gear and clothing required by their profession.

Prerequisite: permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

SPR 311 - Outdoor/Adventure Education

Credit Hours: 3
The scope, methods, and importance of using the outdoors as a teaching tool for both individual and group education settings. Field trip(s) required.

Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 315 - Introduction to Private/Commercial Recreation

Credit Hours: 3
Overview of the spectrum of private planning, delivery and assessment of goods and services in the private and commercial sector.

Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 320 - Fundamentals of Tourism

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

SPR 325 - Leisure Education

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 328 - Statistical Applications in Sport and Recreation Administration

Credit Hours: 3
Introduction to statistical applications most commonly used in sport and recreation administration services research;

analysis, interpretation and presentation of data related to sport and recreation administration services; descriptive statistics and inferential statistics applied in sport and recreation administration setting. 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 220, SPR 328.

Prerequisite: 30 hours and completion of General Education Quantitative Literacy requirement.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 330 - Leisure Research Applications

Credit Hours: 3
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.

Prerequisite: SPR 152 and SPR 328.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 335 - Sport and Recreation Administration Practicum

Credit Hours: 2
A practical experience which the student can relate to classroom theory. Students are assigned to sport and recreation administration agencies for exposure to structure, programming, and philosophy of the cooperating agency. Practicum experience must be a minimum of 100 hours. 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.

Prerequisite: SPR 152; and permission of practicum instructor.
Lab contact hours: 4

Typically offered: Fall, Spring, Summer

SPR 390 - Sport and Recreation Programming

Credit Hours: 3
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.

Prerequisite: SPR 152; and 60 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 400 - Therapeutic Recreation Foundations

Credit Hours: 3
Acquaint students with history, philosophy, theories, principles, concepts, techniques, and skills in the provision of therapeutic recreation programs and services.

Prerequisite: SPR 205; and either KIN 250 or BMS 307 or concurrent enrollment.

Lecture contact hours: 3

Typically offered: Fall

SPR 401 - Therapeutic Recreation Assessment Evaluation, Intervention Techniques and Modalities

Credit Hours: 3
Focuses on use of assessment, evaluation, and facilitation technique in the delivery of treatment program modalities commonly found in therapeutic recreation practice.

Prerequisite: SPR 400.
Lecture contact hours: 3

Typically offered: Spring

SPR 405 - Camp Administration

Credit Hours: 3
A study of the techniques and principles involved in the administration of modern camps.

Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 406 - Promoting Sport and Recreation Services

Credit Hours: 3
To provide the Sport and Recreation Administration students 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.

Prerequisite: SPR 152.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 410 - Sport and Recreation Leadership Supervision

Credit Hours: 3
A study of the processes, methods, and characteristics of leadership and supervision in the delivery of sport and recreation services.

Prerequisite: SPR 152; and 60 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 411 - Outdoor Pursuits

Credit Hours: 3
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.

Prerequisite: permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

SPR 415 - Risk Management for Sport and Recreation Agencies

Credit Hours: 3
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 SPR 415. Cannot receive credit for both SPR 415 and SPR 615.

Prerequisite: 75 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 420 - Trends and Issues in Therapeutic Recreation

Credit Hours: 3
Designed to focus on contemporary issues, trends, practices, and professional literature, media resources, and research related to the delivery of therapeutic recreation services.

Prerequisite: SPR 401; and either KIN 252 or BMS 308 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall

SPR 422 - Sport and Recreation Facility and Area Management

Credit Hours: 3
Elements of locating, planning, developing, maintaining, and financing various sport and recreation facilities and areas management. Study of management principles and responsibilities applicable to leisure settings.

Prerequisite: 90 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 423 - Administration of Sport and Recreation Agencies

Credit Hours: 3
This course is usually taken with SPR 422. Presentation of administrative principles of sport and recreation 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 SPR 623. Cannot receive credit for both SPR 423 and SPR 623.

Prerequisite: 90 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

SPR 451 - Outdoor Leadership

Credit Hours: 3
This course emphasizes experiential teaching/learning 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 SPR 651. Cannot receive credit for both SPR 451 and SPR 651.

Prerequisite: permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall, Spring, Summer

SPR 490 - Orientation to Internship

Credit Hours: 1
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.

Prerequisite: permission of instructor.
Lecture contact hours: 1

Typically offered: Fall, Spring

SPR 491 - Sport and Recreation Administration Internship

Credit Hours: 8 or 12
Supervised field experience which provides the student with an opportunity to make the transition from the classroom to actual involvement in a sport and recreation agency. In addition to the 10 to 15 week involvement, students are required to (l) meet with the Sport and Recreation Administration internship coordinator during the preceding semester to secure an internship site and clarify internship responsibilities, and (2) complete and submit assignments online during the internship. Credit will be based on the length of the internship period and students receive either 8 hours (400 hrs.) or 12 (600 hrs.) hours. Public Affairs Capstone Experience course.

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.
Typically offered: Fall, Spring, Summer

SPR 495 - Seminar in Sport and Recreation Administration

Credit Hours: 1-3
Study of various sport and recreation administration topics from contemporary and/or technical points of view. Students should check the current class schedule to determine the topic. May be repeated to a maximum of six hours provided the topic is different.

Prerequisite: permission of instructor.
Typically offered: Fall, Spring, Summer

SPR 499 - Special Problems

Credit Hours: 1-5
Directed reading or special investigation of a particular problem within the field of sport and recreation administration and research projects under faculty supervision. May be repeated to a maximum of five hours

Prerequisite: permission of Sport and Recreation Administration Program Director.
Typically offered: Fall, Spring, Summer

Swahili

SWA 101 - Elementary Swahili I

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

SWA 102 - Elementary Swahili II

Credit Hours: 3
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.

Prerequisite: SWA 101.
Lecture contact hours: 3

Typically offered: Fall, Spring

Technology and Construction Management

TCM 110 - Introduction to Engineering Design

Credit Hours: 3
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.

Prerequisite: declared major in Mechanical Engineering Technology, Civil Engineering, Electrical Engineering, Mechanical Engineering, or Pre-Engineering.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

TCM 121 - Construction Principles and Practice

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

TCM 122 - Construction Materials and Methods

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

TCM 123 - Introduction to Construction for Non-Construction Majors

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Spring

TCM 221 - Construction Documents and Quantity Take-off

Credit Hours: 3
An introduction to construction drawings and specifications. The course will focus on quantity take-offs to use and interpret plans, details, sections, and elevations.

Prerequisite: TCM 121 or TCM 122 or TCM 123.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

TCM 223 - Construction Surveying

Credit Hours: 3
Construction field engineering activities to include surveying, site layout and dimensional control. Interpretation of plot books, site plans, and topographic maps is also included.

Prerequisite: TCM 221; and MTH 137 or higher.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

TCM 226 - Construction Project Administration

Credit Hours: 3
A study of the legal and administrative aspects of construction projects. Includes use of documents, subcontracting, purchasing, changes, claims, payments, and closeout.

Prerequisite: TCM 221.
Lecture contact hours: 3

Typically offered: Fall, Spring

TCM 267 - Statics

Credit Hours: 3
A study of the mechanics of forces associated with rigid bodies in equilibrium. Development of problem solving skills.

Prerequisite: PHY 123 or PHY 203.
Lecture contact hours: 3

Typically offered: Fall

TCM 273 - Mechanics of Materials

Credit Hours: 3
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.

Prerequisite: PHY 233.
Lecture contact hours: 3

Typically offered: Spring

TCM 281 - Dynamics

Credit Hours: 3
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.

Prerequisite: PHY 233.
Lecture contact hours: 3

Typically offered: Fall

TCM 296 - Readings in Technology

Credit Hours: 1-3
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 maximum of six hours.

Prerequisite: permission of school director.
Typically offered: Fall, Spring

TCM 297 - Topics in Technology

Credit Hours: 1-3
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 maximum of six hours.

Typically offered: Demand

TCM 299 - Cooperative Education in Technology

Credit Hours: 1-3
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 maximum of six hours.

Prerequisite: permission of school director.
Typically offered: Fall, Spring, Summer

TCM 303 - Facilities Operation and Maintenance

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

TCM 311 - Product Conceptualization and Design

Credit Hours: 3
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.

Prerequisite: TCM 331 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Demand

TCM 313 - Virtual Design and Construction

Credit Hours: 3
Using Building Information Modeling for facility space design and requirements analysis, construction materials selection, and quantity schedule development.

Prerequisite: TCM 221.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

TCM 315 - Thermodynamics and Heat Transfer

Credit Hours: 3
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 convective, radiative, and conductive heat transfer.

Prerequisite: MTH 280 and PHY 203.
Lecture contact hours: 3

Typically offered: Spring

TCM 318 - Structural Design Principles

Credit Hours: 3
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.

Prerequisite: TCM 267.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

TCM 320 - Construction Contracts, Specifications and Law

Credit Hours: 3
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.

Prerequisite: LAW 231 or TCM 303.
Lecture contact hours: 3

Typically offered: Fall

TCM 321 - Mechanical Systems for Buildings

Credit Hours: 3
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.

Prerequisite: TCM 221; and MTH 134 or higher.
Lecture contact hours: 3

Typically offered: Fall

TCM 322 - Electrical Systems for Buildings

Credit Hours: 3
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.

Prerequisite: TCM 221.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

TCM 324 - Construction Cost Estimating

Credit Hours: 3
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.

Prerequisite: TCM 221; and TCM 226 or concurrent enrollment.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

TCM 325 - Fluid Mechanics

Credit Hours: 3
Fundamentals of fluid mechanics. Properties of liquids and gases; fluid statics; fluid dynamics; hydraulic and pneumatic machines. Theory of incompressible flow.

Prerequisite: TCM 315.
Lecture contact hours: 3

Typically offered: Spring

TCM 326 - Construction Soils and Foundations

Credit Hours: 3
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.

Prerequisite: TCM 267.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

TCM 331 - Materials and Manufacturing Processes

Credit Hours: 3
Properties of engineering materials, heat treatment, measurement and inspection, casting, forging, machining, and other traditional manufacturing processes.

Prerequisite: TCM 273.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

TCM 337 - Quality Control and Measurement

Credit Hours: 3
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.

Prerequisite: MTH 345 or QBA 237.
Lecture contact hours: 3

Typically offered: Fall

TCM 347 - Electrical Circuits

Credit Hours: 3
This course provides an in-depth treatment of electrical circuit analysis. Both theory and practical applications are discussed.

Prerequisite: TCM 322 or PHY 204.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

TCM 350 - Management and Control of Quality

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

TCM 354 - Facility Planning

Credit Hours: 3
Investigates programming and space allocation for facility managers executing planned development. Master, strategic, and daily planning tools are explored.

Lecture contact hours: 3

Typically offered: Demand

TCM 355 - Production Planning and Control

Credit Hours: 3
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.

Prerequisite: 53 hours.
Lecture contact hours: 3

Typically offered: Fall

TCM 358 - Introduction to Technology Management

Credit Hours: 3
Provides students with a conceptual framework for understanding the social and economic environment of contemporary technology.

Lecture contact hours: 3

Typically offered: Demand

TCM 359 - Principles of Project Management

Credit Hours: 3
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.

Prerequisite: 53 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

TCM 361 - Service-Learning in Technology

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in an TCM course designated as a service- learning offering.
Typically offered: Fall, Spring

TCM 365 - Computer Integrated Manufacturing

Credit Hours: 3
A study of the design, integration, and information flow, associated with automated manufacturing systems. Topics covered include CAD/CAM, robotics, and PLC applications.

Prerequisite: TCM 110; and TCM 347 or concurrent enrollment.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

TCM 366 - Advanced Mechanical and Electrical Systems

Credit Hours: 3
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.

Prerequisite: TCM 321 and TCM 322.
Lecture contact hours: 3

Typically offered: Fall, Spring

TCM 396 - Readings in Technology

Credit Hours: 1-3
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 maximum of six hours.

Prerequisite: permission of school director.
Typically offered: Fall, Spring

TCM 397 - Special Topics

Credit Hours: 1-3
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 School of Construction, Design and Project Management. Consult the semester class schedule for the current offering under this number. May be repeated to a maximum of six hours.

Typically offered: Demand

TCM 399 - Cooperative Education in Industry

Credit Hours: 1-3
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 maximum of six hours.

Prerequisite: 60 hours and permission of school director.
Typically offered: Fall, Spring, Summer

TCM 401 - Construction Leadership

Credit Hours: 3
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.

Prerequisite: TCM 494.
Lecture contact hours: 3

Typically offered: Fall

TCM 402 - Facility Administration

Credit Hours: 3
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.

Prerequisite: TCM 354.
Lecture contact hours: 3

Typically offered: Demand

TCM 411 - Mechanical Design and Analysis

Credit Hours: 3
This course deals with mechanism design and design for manufacture. Topics include tolerancing, material selection, cost estimation, process planning, product fabrication, and mechanism synthesis.

Prerequisite: TCM 331 or concurrent enrollment.
Lecture contact hours: 3

Typically offered: Fall

TCM 424 - Mechanical and Electrical Systems Estimating

Credit Hours: 3
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.

Prerequisite: TCM 321 and TCM 322 and TCM 324.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

TCM 425 - Construction Planning and Scheduling

Credit Hours: 3
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.

Prerequisite: TCM 226 and TCM 324 .
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

TCM 427 - Construction Equipment Management

Credit Hours: 3
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.

Prerequisite: TCM 324.
Lecture contact hours: 3

Typically offered: Spring

TCM 438 - Systems Integration

Credit Hours: 3
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.

Prerequisite: TCM 365 or TCM 366.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

TCM 453 - Construction Cost Management

Credit Hours: 3
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.

Prerequisite: ACC 201 and TCM 324.
Lecture contact hours: 3

Typically offered: Spring

TCM 454 - Construction Safety and Quality Management

Credit Hours: 3
This course introduces safety and quality management principles for construction managers. Topics include safety and health standards, job-site safety assessment, accident prevention, planning for quality activities, and quality assurance/quality control strategies.

Prerequisite: TCM 221.
Lecture contact hours: 3

Typically offered: Fall

TCM 455 - Safety Management

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Demand

TCM 456 - Supervision

Credit Hours: 3
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.

Prerequisite: 53 hours.
Lecture contact hours: 3

Typically offered: Demand

TCM 458 - Technology Management

Credit Hours: 3
Technology issues related to operations and production management. Focuses on the design, management, and improvement of operation systems and processes.

Prerequisite: TCM 358.
Lecture contact hours: 3

Typically offered: Demand

TCM 491 - Management Competition

Credit Hours: 1
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 school faculty. The fulfillment of these requirements must be verified by the faculty coach and the school director. Participation in all aspects of the competition is required. May be repeated to a maximum of three hours. Graded Pass/Not Pass only.

Prerequisite: permission.

Lecture contact hours: 1

Typically offered: Fall, Spring

TCM 494 - Professional Internship

Credit Hours: 1
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.

Prerequisite: TCM 454 and permission of school director.
Typically offered: Fall, Spring, Summer

TCM 497 - Special Topics

Credit Hours: 1-3
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 School of Construction, Design and Project Management. Consult the semester class schedule for current offerings under this number. May be repeated to a maximum of six hours.

Prerequisite: permission of school director.
Typically offered: Demand

TCM 498 - Senior Design

Credit Hours: 3
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.

Prerequisite: TCM 411.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

TCM 499 - Senior Project

Credit Hours: 3
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. Public Affairs Capstone Experience course.

Prerequisite: permission of school director.
Lecture contact hours: 3

Typically offered: Fall, Spring

TCM 502 - Healthcare Facility Management

Credit Hours: 3
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.

Prerequisite: MTH 181 and TCM 401.
Lecture contact hours: 3

Typically offered: Demand

TCM 511 - Product Design and Development

Credit Hours: 3
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 of 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.

Prerequisite: TCM 359; and 80 hours; and undergraduate majors in the School of Construction, Design and Project Management must be admitted to a degree program.
Lecture contact hours: 3

Typically offered: Fall

TCM 545 - Program and Portfolio Management

Credit Hours: 3
Provides an overview of program and portfolio management with a primary focus on overall success of the organization. Offers students an opportunity to develop a foundational understanding of program and portfolio management that aligns with strategic objectives and goals as well as organizational values and culture. May be taught concurrently with TCM 645. Cannot receive credit for both TCM 545 and TCM 645.

Prerequisite: TCM 359; and 80 hours; and undergraduate majors in the School of Construction, Design and Project Management must be admitted to a degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

TCM 551 - Project Schedule and Cost Management

Credit Hours: 3
The use of schedule and cost management tools and techniques to deliver projects on time and within budget. Topics include resource-loaded schedule development, baseline budgeting, cost estimating, analysis of alternatives, decision-making under risk, and cost and schedule management through earned value management. May be taught concurrently with TCM 651. Cannot receive credit for both TCM 551 and TCM 651.

Prerequisite: TCM 359; and 80 hours; and undergraduate majors in the School of Construction, Design and Project Management must be admitted to a degree program.
Lecture contact hours: 3

Typically offered: Fall, Spring

TCM 555 - Statistical Quality Control and Design of Experiments

Credit Hours: 3
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.

Prerequisite: QBA 237 or equivalent; and 80 hours; and undergraduate majors in the School of Construction, Design and Project Management must be admitted to degree program.
Lecture contact hours: 3

Typically offered: Demand

TCM 596 - Readings in Technology Management

Credit Hours: 1-3
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 maximum of six hours. May be taught concurrently with TCM 696. Cannot receive credit for both TCM 596 and TCM 696.

Prerequisite: permission of school director.
Typically offered: Fall, Spring

TCM 597 - Topics in Technology Management

Credit Hours: 1-3
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 to a maximum of nine hours when content varies. May be taught concurrently with TCM 697. Cannot receive credit for both TCM 597 and TCM 697.

Typically offered: Demand

Theatre

THE 101 - Introduction to Theatre and Drama Arts

Credit Hours: 3
General Education Course: Focus on the Arts **CORE 42:** MOTR number THEA 100A - Theatre Appreciation.

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.

Lecture contact hours: 3

Typically offered: Fall, Spring

Access the CORE 42 Portal

THE 109 - Performance Studies

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

THE 121 - Acting Studio I

Credit Hours: 3
Development of foundational acting skills for the pre-professional actor.

Prerequisite: concurrent enrollment in THE 122; open only to BFA Acting and Musical Theatre majors admitted through the audition process.
Corequisite: THE 122
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall

THE 122 - The Tools of the Actor

Credit Hours: 3
An introduction to the fundamental tools of the actor: physical development, vocal development, and ensemble collaboration.

Prerequisite: open only to admitted BFA Theatre and Dance major option in Acting and BFA Musical Theatre major.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

THE 125 - Voice and Movement for the Stage

Credit Hours: 2
Exercises in physical and vocal development for the actor. Introductory tools regarding anatomy, breathing, and articulation; care and maintenance of body and voice.

Lab contact hours: 4

Typically offered: Demand

THE 130 - Introduction to Script Analysis

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall, Spring

THE 150 - Introduction to Theatre Technology

Credit Hours: 2
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.

Lecture contact hours: 2

Typically offered: Fall, Spring

THE 151 - Introduction to Theatre Technology Lab

Credit Hours: 1
Practical application of the principles addressed in THE 150.

Prerequisite: THE 150 or concurrent enrollment.
Lab contact hours: 2

Typically offered: Fall, Spring

THE 185 - Foundations in CCM

Credit Hours: 1
Students learn principles for the singing of CCM (Contemporary Commercial Music) utilizing an evidence-based, functional approach. Authenticity, style, and performance practice for CCM genres are introduced.

Prerequisite: open only to BFA Musical Theatre majors admitted through the audition process.
Lab contact hours: 1

Typically offered: Fall

THE 186 - CCM Studio Class I

Credit Hours: 1
Students learn the stylistic elements found in blues, jazz, rock, pop, R&B, gospel, and country vocal delivery as well as what is expected in terms of vocal delivery when singing in various musical theatre genres.

Prerequisite: open only to BFA Musical Theatre majors admitted through the audition process.
Lab contact hours: 1

Typically offered: Spring

THE 195 - Theatre Laboratory

Credit Hours: 1
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 maximum of four hours.

Lab contact hours: 2

Typically offered: Fall, Spring

THE 205 - Speech for the Elementary Classroom

Credit Hours: 3
Speech activities in the elementary grades, correlating storytelling, choral reading, creative dramatics and speech correction.

Lecture contact hours: 3

Typically offered: Fall, Spring

THE 210 - Writing for Theatre

Credit Hours: 3
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.

Prerequisite: ENG 110 or equivalent and 30 hours.
Lecture contact hours: 3

Typically offered: Fall, Spring

THE 221 - Acting Studio II

Credit Hours: 3
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.

Prerequisite: THE 121.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Spring

THE 222 - Acting Fundamentals

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

THE 224 - Stage Makeup I

Credit Hours: 1
Laboratory course providing students with fundamentals of the art of two dimensional makeup.

Lab contact hours: 2

Typically offered: Fall, Spring

THE 226 - Intermediate Voice and Movement

Credit Hours: 2
Development of dynamic physical and vocal expression of text. Exercises in discarding negative self-awareness and habitual physical/vocal patterns that inhibit emotional expression.

Prerequisite: THE 122 or THE 125 and permission of instructor.
Lab contact hours: 4

Typically offered: Spring

THE 228 - Singing for the Actor

Credit Hours: 2
Approaches to singing for actors, with emphasis upon honest characterization and discovery in song.

Prerequisite: THE 221 or permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall

THE 250 - Stagecraft and Construction I

Credit Hours: 2
Working illustrations, construction, rigging, painting, and shifting of scenic units.

Lecture contact hours: 2

Typically offered: Fall, Spring

THE 251 - Stagecraft and Construction Lab

Credit Hours: 1
Practical application of the principles addressed in THE 250. May be repeated to a maximum of two hours.

Prerequisite: concurrent enrollment in THE 250.
Lab contact hours: 2

Typically offered: Fall, Spring

THE 255 - Stage Lighting Technology

Credit Hours: 3
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.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

THE 256 - Lighting Lab

Credit Hours: 1
Practical application of the principles addressed in THE 255.

Prerequisite: concurrent enrollment in THE 255.
Lab contact hours: 2

Typically offered: Fall, Spring

THE 260 - Costume Construction I

Credit Hours: 2
Fundamentals of costuming for the stage. A study of fabrics and construction; basic cutting and sewing techniques; costume shop organization and stage management.

Lecture contact hours: 2

Typically offered: Fall, Spring

THE 261 - Costume Construction Lab

Credit Hours: 1
Practical application of the principles addressed in THE 260. May be repeated to a maximum of two hours.

Prerequisite: THE 260 or concurrent enrollment.
Lab contact hours: 2

Typically offered: Fall, Spring

THE 270 - Drawing and Rendering for Theatre

Credit Hours: 3
A survey of drawing and the use of various media as applicable to theatrical design. Includes figure and perspective drawing techniques.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

THE 271 - Drawing and Rendering for Theatre II

Credit Hours: 3
A continuation of the study of drawing, including figure and perspective drawing techniques. The use of various color media as applicable to theatrical design.

Prerequisite: THE 270.
Lecture contact hours: 3

Typically offered: Spring

THE 275 - Drafting for the Stage

Credit Hours: 3
Basic drafting techniques and practices for theatrical applications. Study of tools, methods, and formulas used in generating designs and drawings. 2D and 3D computer techniques will be addressed.

Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

THE 280 - Design Seminar Design Principles

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

THE 285 - CCM Studio Class II

Credit Hours: 2
Students continue their exploration of healthy vocal production for CCM (Contemporary Commercial Music) genres using an evidence-based, functional approach. Students work solo CCM material in class to apply the concepts discussed.

Prerequisite: THE 185 or THE 186 ; and open only to BFA Musical Theatre majors admitted through the audition process**.**
Lecture contact hours: 1 **Lab contact hours:** 1

Typically offered: Spring

THE 292 - BFA Review

Credit Hours: 1
Public presentation of a portfolio, a project, or a performance demonstrating the student's mastery of the skills received during the major.

Prerequisite: permission of area coordinator.
Lab contact hours: 2

Typically offered: Fall, Spring

THE 295 - Production/Design/Stage Management Project

Credit Hours: 1
Technical or design or stage management assignment requiring an intermediate level of expertise and responsibility connected with a specific departmental production.

Prerequisite: permission of area coordinator.
Lab contact hours: 2

Typically offered: Fall, Spring

THE 306 - Interrelated and Integrated Arts

Credit Hours: 3
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.

Prerequisite: ELE 302.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Demand

THE 311 - Dramaturgy

Credit Hours: 3
Explores the importance of dramaturgy in theatre and the role of the dramaturg through both textual criticism and also production development. Emphasis will be placed on the development of a dramaturg's "book" as part of the interpretative process for theatrical performance.

Prerequisite: THE 130.
Lecture contact hours: 3

Typically offered: Demand

THE 321 - Acting Studio III

Credit Hours: 3
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 to a maximum of six hours.

Prerequisite: THE 221.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall

THE 323 - Devised Theatre Performance

Credit Hours: 3
This devised ensemble work focuses on the fundamental building blocks of live performance: rhythm, dynamic, space,

the expressive body and voice, the relationship between performer and audience, character and the arc of a story or journey on stage. This is a practical course in theatre making where students will create small theatre companies who will devise and perform their own work. Will also briefly cover Readers Theatre.

Prerequisite: THE 125 or THE 221 or THE 222 or DAN 220 .
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

THE 324 - Stage Makeup II

Credit Hours: 1
Laboratory course dealing with three-dimensional makeup. Emphasis on prosthetics of latex.

Prerequisite: THE 224.
Lab contact hours: 2

Typically offered: Demand

THE 326 - Advanced Voice for the Actor

Credit Hours: 3
Introduction to scansion and its application to performing classical material. Techniques for vocal health, stamina, and longevity.

Prerequisite: THE 226.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Fall

THE 327 - Advanced Movement for the Actor

Credit Hours: 3
Introduction to scansion and its application to performing classical material. Advanced characterization and physicality in the actor's performance. Techniques for vocal health, stamina, and longevity.

Prerequisite: THE 226.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

THE 328 - Combat and Violence for Stage and Screen

Credit Hours: 3
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.

Prerequisite: THE 226.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

THE 350 - Stagecraft and Construction II

Credit Hours: 3
Study of advanced building techniques. Work with "non-conventional" materials. Explore uses of mechanical stage machinery. Plan and budget productions.

Prerequisite: THE 250 and THE 275.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring Odd

THE 354 - Stage Management

Credit Hours: 3
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.

Lecture contact hours: 3

Typically offered: Fall

THE 377 - Introduction to Giving Voice

Credit Hours: 3
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.

Prerequisite: permission of Instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

THE 381 - Design Seminar-Collaborative Design Process

Credit Hours: 3
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.

Prerequisite: THE 280 and THE 453 and THE 461.
Lecture contact hours: 3

Typically offered: Fall, Spring

THE 382 - Research and Concept Development

Credit Hours: 3
Research and dramaturgy as these apply to previsualization, design, production, and concept development for the

theatre and the performing arts.

Lecture contact hours: 3

Typically offered: Fall Odd

THE 385 - CCM Studio Class III

Credit Hours: 2
Students examine the history of American rock and roll and popular music from the pre-cursors of rock and roll to the 1980s and perform music from each era.

Prerequisite: THE 185 or THE 186 ; and open only to BFA Musical Theatre majors admitted through the audition process**.**
Lecture contact hours: 1 **Lab contact hours:** 1

Typically offered: Fall

THE 386 - CCM Studio Class IV

Credit Hours: 2
Students examine the history of American rock and roll and popular music from the 1990s to present day and perform music from each era. They discover how to apply what they have learned in order to create a stylistically accurate rock musical audition piece.

Prerequisite: THE 185 or THE 186 ; and open only to BFA Musical Theatre majors admitted through the audition process**.**
Lecture contact hours: 1 **Lab contact hours:** 1

Typically offered: Spring

THE 390 - Service-Learning in Theatre

Credit Hours: 1
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.

Prerequisite: 30 hours and concurrent registration in a Theatre course designated as a service-learning offering.
Typically offered: Fall, Spring

THE 392 - BFA Review

Credit Hours: 1
Public presentation of a portfolio, a project, or a performance demonstrating the student's mastery of the skills received during the major.

Prerequisite: permission of area coordinator.
Lab contact hours: 2

Typically offered: Fall, Spring

THE 395 - Production/Design/Stage Management Project

Credit Hours: 1
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.

Prerequisite: permission of area coordinator.
Lab contact hours: 2

Typically offered: Fall, Spring

THE 412 - Structures and Styles in Classical Drama

Credit Hours: 2
Study and exploration of dramatic modes in period and stylistic material. Monologue and scenework exploring Greek, Restoration, Romantic, and other performance styles.

Prerequisite: permission of instructor.
Lab contact hours: 4

Typically offered: Demand

THE 417 - Teaching of Speech and Theatre

Credit Hours: 3
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 supervised teaching. Credited only on BSEd (Secondary). A C grade 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.

Prerequisite: EDC 350 and EDT 365 and SPE 340; and 12 hours in communication; and 12 hours in theatre; and admitted to Teacher Education.
Lecture contact hours: 3

Typically offered: Fall

THE 421 - Acting Studio IV

Credit Hours: 3
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 to a maximum of six hours.

Prerequisite: THE 321.
Lecture contact hours: 1 **Lab contact hours:** 4

Typically offered: Spring

THE 422 - Scene Study

Credit Hours: 3
Tutorial scene study focusing on acting tools necessary for the rehearsal process. May be repeated to a maximum of six hours.

Prerequisite: THE 321 or THE 323.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

THE 424 - Dialects

Credit Hours: 1
A foundation in dialects for the actor.

Prerequisite: THE 421.
Lab contact hours: 2

Typically offered: Spring

THE 430 - Directing I

Credit Hours: 3
Basic principles, skills and techniques underlying directing. Procedures in selecting, analyzing, casting and producing a play.

Prerequisite: THE 130 ; and THE 121 or THE 222 .
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

THE 451 - Auditions

Credit Hours: 2
Audition techniques for actors. Includes audition performance, material preparation, resumes, headshots, and industry skills and development.

Prerequisite: THE 321.
Lab contact hours: 4

Typically offered: Fall

THE 453 - Design Seminar: Lighting Design

Credit Hours: 3
Advanced principles of lighting design as these relate to the theatre. Intensive laboratory experience in theatrical design. Buying tickets to and attendance as local performances required.

Prerequisite: THE 275 and THE 280 , or permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall Odd

THE 454 - Scene Painting

Credit Hours: 3
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.

Prerequisite: THE 270.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring Even

THE 455 - Design Seminar: Lighting Design

Credit Hours: 3
Advanced principles of lighting design as these relate to the theatre. Intensive laboratory experience in theatrical design. Buying tickets to and attendance as local performances required.

Prerequisite: THE 275 and THE 280 , or permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall Even

THE 460 - Costume Construction II

Credit Hours: 3
Costume construction techniques with emphasis on patterning, draping, tailoring, and more specialized sewing and fabric manipulation processes.

Prerequisite: THE 260 or permission of instructor.
Lecture contact hours: 3

Typically offered: Demand

THE 461 - Design Seminar-Costume Design

Credit Hours: 3
Basic principles of costume design as these relate to the theatre. Intensive laboratory experience in theatrical design. Buying tickets to and attendance at local performances required.

Lecture contact hours: 3

Typically offered: Spring Even

THE 470 - Theatre Leadership and Administration

Credit Hours: 3
Examines examples of theatre leadership and administration in the United States and abroad, focusing on inventive theatre companies, visionary artistic directors and producers, and non-profit organizational structure. Seminar format

featuring case studies, practitioner interviews, and pitching student organizations.

Lab contact hours: 3

Typically offered: Demand

THE 482 - Senior Project in Theatre

Credit Hours: 1
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.

Prerequisite: permission of instructor and 90 hours.
Lab contact hours: 2

Typically offered: Fall, Spring

THE 485 - CCM Individual Vocal Coaching

Credit Hours: 1
Students receive individual coaching on CCM (Contemporary Commercial Music) repertoire from various genres and stylistic periods.

Prerequisite: THE 185 or THE 186 ; and open only to BFA Musical Theatre majors admitted through the audition process**.**
Lab contact hours: 1

Typically offered: Fall, Spring

THE 489 - Advanced Actor Seminar

Credit Hours: 2
Lecture and laboratory experience for the actor about to enter the professional arena.

Prerequisite: THE 421 and permission of instructor.
Lecture contact hours: 1 **Lab contact hours:** 2

Typically offered: Fall

THE 490 - Supervised Teaching (Secondary Speech and Theatre)

Credit Hours: 6
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.

Prerequisite: THE 417; and a C grade or better in all professional education courses; and current pre-professional liability insurance; and approval for supervised teaching; and concurrent enrollment in THE 491.
Corequisite: THE 491
Typically offered: Fall, Spring

THE 491 - Supervised Teaching (Secondary Speech and Theatre)

Credit Hours: 6
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.

Prerequisite: concurrent enrollment in THE 490.
Corequisite: THE 490
Typically offered: Fall, Spring

THE 492 - Senior BFA Project

Credit Hours: 1
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.

Prerequisite: permission of area coordinator.
Lab contact hours: 2

Typically offered: Fall, Spring

THE 493 - Clinical Experiences in Teaching II

Credit Hours: 4
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, CTE 498, HST 499, KIN 498, LCR 491, MID 499, MTH 496, MUS 499, SCI 499, SEC 499, SPE 499, THE 493.

Prerequisite: EDC 199; and admitted to Teacher Education; and C grade or better in all professional education courses; and completion of portfolio checkpoints 1 and 2; and current pre-professional liability insurance; and program approval.
Typically offered: Fall, Spring

THE 495 - Theatre Practicum

Credit Hours: 3
An administrative, performance, instructional, supervisory or guided production experience not available through other class work. Variable content course. May be repeated to a maximum of 12 hours.

Prerequisite: permission of instructor.
Lab contact hours: 6

Typically offered: Fall, Spring

THE 496 - Readings

Credit Hours: 1
Individual, experimental or research studies in theatre and performance studies. May be repeated to a maximum of nine hours.

Prerequisite: permission of department head.
Lab contact hours: 2

Typically offered: Fall, Spring

THE 497 - Topics

Credit Hours: 1-3
Group creative or special topics in theatre and performance studies. May be repeated to a maximum of six hours.

Prerequisite: permission of department head.
Typically offered: Fall, Spring

THE 499 - Projects

Credit Hours: 1-3
Supervised individual creative projects in theatre and performance studies. May be repeated to a maximum of six hours.

Prerequisite: permission of department head.
Typically offered: Fall, Spring

THE 500 - Acting on Camera Practicum

Credit Hours: 3
Acting performance in an approved Missouri State University sponsored project or an approved external film production. May be repeated to a maximum of 12 hours.

Prerequisite: permission of Instructor.
Lecture contact hours: 3

Typically offered: Fall, Spring

THE 505 - Theatre for Children and Youth

Credit Hours: 3
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 505 and THE 605.

Lecture contact hours: 3

Typically offered: Fall

THE 506 - Creative Dramatics

Credit Hours: 3
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 506 and THE 606.

Lecture contact hours: 3

Typically offered: Spring

THE 510 - Solo Performance

Credit Hours: 3
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 510 and THE 611.

Prerequisite: THE 321 or THE 323.
Lecture contact hours: 3

Typically offered: Spring

THE 511 - Structures and Styles Shakespeare

Credit Hours: 3
Understanding honesty, text, style, and dynamics of action in the performance of Shakespeare. Creating roles in Shakespeare's plays.

Prerequisite: permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall

THE 513 - Acting Senior Project

Credit Hours: 2
This course is designed to prepare participants for the performance and/or filming of their Acting Showcase scenes, to connect participants with the industry in a strategic, organized manner, and to support the actors in business and artistic goals.

Prerequisite: THE 489.
Lecture contact hours: 1 **Lab contact hours:** 1

Typically offered: Spring

THE 515 - Theatre for Social Change

Credit Hours: 3
Theoretical and practical knowledge for developing performances for, about, and in partnership with community nonprofit organizations. Includes journaling, interviewing, scripting, and directing original material. Students use devising techniques to create and rehearse scenes for social change. May be taught concurrently with THE 616. Cannot receive credit for both THE 515 and THE 616. Public Affairs Capstone Experience course.

Prerequisite: THE 323.
Lecture contact hours: 3

Typically offered: Fall

THE 522 - Auditioning and Acting for the Camera

Credit Hours: 3
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.

Prerequisite: permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

THE 524 - Acting on Film

Credit Hours: 3
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.

Prerequisite: permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring

THE 530 - Directing II

Credit Hours: 3
Advanced directing techniques. Directing of a one-act play. May be taught concurrently with THE 640. Cannot receive credit for both THE 530 and THE 640.

Prerequisite: THE 430.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Fall, Spring

THE 541 - Theatre History I

Credit Hours: 3
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.

Prerequisite: Writing II.
Lecture contact hours: 3

Typically offered: Fall

THE 542 - Theatre History II

Credit Hours: 3
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.

Prerequisite: Writing II.
Lecture contact hours: 3

Typically offered: Spring

THE 543 - Development of Modern Theatre

Credit Hours: 3
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.

Prerequisite: Writing II.
Lecture contact hours: 3

Typically offered: Fall Odd

THE 545 - Contemporary Theatre

Credit Hours: 3
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.

Prerequisite: Writing II.
Lecture contact hours: 3

Typically offered: Spring Even

THE 547 - Development of American Theatre

Credit Hours: 3
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 547 and THE 635.

Prerequisite: Writing II.
Lecture contact hours: 3

Typically offered: Fall Even

THE 552 - Scene Design II

Credit Hours: 3
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 552 and THE 652.

Prerequisite: THE 275 and THE 453.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

THE 555 - Lighting Design II

Credit Hours: 3
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 555 and THE 655.

Prerequisite: THE 275 and THE 453.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

THE 558 - Sound Design for the Theatre

Credit Hours: 3
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 655 and THE 658.

Prerequisite: THE 280 or permission of instructor.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Spring Odd

THE 561 - History of Costume and Decor I

Credit Hours: 3
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 561 and THE 671.

Lecture contact hours: 3

Typically offered: Fall

THE 562 - History of Costume and Decor II

Credit Hours: 3
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 562 and THE 672.

Lecture contact hours: 3

Typically offered: Spring

THE 565 - Costume Design II

Credit Hours: 3
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 565 and THE 665.

Prerequisite: THE 461.
Lecture contact hours: 2 **Lab contact hours:** 2

Typically offered: Demand

THE 577 - Giving Voice Workshop

Credit Hours: 1
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 maximum of six hours.

Prerequisite: THE 377 and permission of instructor.
Lab contact hours: 2

Typically offered: Fall, Spring

THE 595 - Theatre Practicum

Credit Hours: 1-6
Acting, stagecraft, costuming and associated work in the Tent Theatre or other specified theatre production.

Prerequisite: permission of department head.
Typically offered: Demand

College of Business

Academic Units

Business Unit

- School of Accountancy
- Department of Finance, Economics and Risk Management
- 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-International

Non-Business Units

- School of Construction, Design and Project Management
- Bachelor of Arts in Economics program-Department of Finance, Economics and Risk Management

Accreditations outside the Business Unit

- American Council for Construction Education
- Project Management Institute Global Accreditation Center

Contact

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Business Advisement Center

Majors

Accounting (Comprehensive) (BS)

Major requirements

All students majoring in business must also satisfy all College of Business Core . Hours required in the college core range from 36 to 51 depending on major.

- ACC 300 - Professionalism in Accountancy
- ACC 301 - Intermediate Accounting I
- ACC 302 - Intermediate Accounting II
- ACC 311 - Managerial Cost Accounting
- ACC 321 - Tax Accounting I
- ACC 341 - Accounting and Management Information Systems
- ACC 553 - Auditing
- ACC 542 - Data Analytics in Accounting
  OR
- ITC 555 - Data Visualization
- QBA 337 - Applied Business Statistics

Three courses from:

- ACC 504 - Advanced Accounting
- ACC 506 - International Accounting
- ACC 513 - Managerial Cost Accounting II
- ACC 524 - Tax Accounting II
- ACC 525 - Individual Income Tax Assistance
- ACC 542 - Data Analytics in Accounting
- ACC 555 - Internal Auditing
- ACC 556 - Operational Auditing

Total Credit Hours: 36

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Accountancy

Eligible students in this major may apply to the Master of Accountancy program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Construction Management (Comprehensive) (BS)

Admission requirement:

- MTH 137 - Precalculus 2 or higher

Major requirements:

Note: 13-14 hours may double count toward the General Education requirements.

- TCM 121 - Construction Principles and Practice
- TCM 122 - Construction Materials and Methods
- TCM 221 - Construction Documents and Quantity Take-off
- TCM 223 - Construction Surveying
- TCM 226 - Construction Project Administration
- TCM 267 - Statics
- TCM 313 - Virtual Design and Construction
- TCM 318 - Structural Design Principles
- TCM 320 - Construction Contracts, Specifications and Law
- TCM 321 - Mechanical Systems for Buildings
- TCM 322 - Electrical Systems for Buildings
- TCM 324 - Construction Cost Estimating
- TCM 326 - Construction Soils and Foundations
- TCM 366 - Advanced Mechanical and Electrical Systems
  OR
- TCM 424 - Mechanical and Electrical Systems Estimating
- TCM 401 - Construction Leadership
- TCM 425 - Construction Planning and Scheduling
- TCM 427 - Construction Equipment Management
- TCM 453 - Construction Cost Management
- TCM 454 - Construction Safety and Quality Management
- TCM 494 - Professional Internship
- TCM 499 - Senior Project
- ACC 201 - Introduction to Financial Accounting
- ITC 201 - Computer Applications for Business

- LAW 231 - Legal Environment of Business
- MGT 340 - Principles of Management
- QBA 237 - Basic Business Statistics

Specific General Education Requirements:

Focus on Social and Behavioral Sciences:

- ECO 155 - Principles of Macroeconomics
  OR
- ECO 165 - Principles of Microeconomics

- PSY 121 - Introductory Psychology

Focus on Public Issues:

- ITC 200 - Critical and Creative Thinking Using Information Technology is recommended.
  OR
- CSC 210 - Public Affairs Issues in Computing is recommended.

Focus on Written Communication and Integrative and Applied Learning:

- ENG 321 - Writing II: Beginning Technical Writing is recommended.

Focus on Quantitative Literacy:

- MTH 137 - Precalculus 2 or higher

Focus on Physical Sciences:

- PHY 123 - Introduction to Physics I
  OR
- PHY 203 - Foundations of Physics I

Focus on Life Sciences:

- BIO 101 - Biology in Your World is recommended.
  OR
- GLG 115 - Life of the Past is recommended.

Public Affairs Capstone Experience will be fulfilled by completion of:

- TCM 499 - Senior Project

No more than 31 hours of coursework from the business units of the College of Business will be allowed.

Total Credit Hours: 89-90

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Data Analytics (Comprehensive) (BS)

Major requirements

All students majoring in business must also satisfy all College of Business Core requirements. Hours required in the college core range from 36 to 51 depending on major.

- ITC 260 - Programing Logic and Design for Business
- ITC 295 - Database Management Systems Concepts and Design
- ITC 353 - Data Mining
- ITC 495 - Advanced Data Management and Integration
- ITC 535 - Machine Learning
- ITC 545 - Data Infrastructure for Data Analytics
- ITC 555 - Data Visualization
- QBA 337 - Applied Business Statistics

Six hours from (a) or three hours from (a) and three hours from (b):

a.

- ITC 388 - Information Systems Analysis and Design
- ITC 397 - Topics in Information Technology and Cybersecurity
- ITC 494 - Internship in Information Technology and Cybersecurity
- ITC 528 - Database Application Development with Oracle
- ITC 580 - Fundamentals of Blockchain Technology
- ITC 581 - Data Analytics for Business Decision Making

b.

- BUS 550 - Negotiation, Mediation, and Arbitration in Business
- FIN 390 - Intermediate Financial Management
- MGT 397 - Business Report Writing
- MKT 365 - Introduction to Logistics
- RMI 211 - Principles of Risk Management and Insurance
- TCM 337 - Quality Control and Measurement

- TCM 551 - Project Schedule and Cost Management

Total Credit Hours: 30

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Digital Fashion and Merchandising (Comprehensive) (BS)

Major requirements

Note: Six hours may double count toward General Education requirements.

Admission Requirement:

Passing grade in MTH 130 or higher.

Core requirements (39 hours):

- DFM 101 - Fashion Fundamentals
- DFM 201 - Trends in Fashion History
- DFM 202 - Fashion Fabrics
- DFM 210 - Fashion Technology
- DFM 301 - Apparel Quality
- DFM 303 - Product Development
- DFM 304 - Fashion Law
- DFM 305 - Portfolio
- DFM 306 - Industry Formulas and Calculations
- DFM 307 - Advanced Fashion Technology
- DFM 403 - Professional Development
- MKT 350 - Principles of Marketing
- MKT 351 - Consumer Behavior

Specific General Education Requirements:

- ECO 155 - Principles of Macroeconomics
- PSY 121 - Introductory Psychology

Grade requirements:

Grades of C or better are required in all DFM courses to advance to the next level of coursework and to graduate from this program.

Public Affairs Capstone Experience Requirement will be fulfilled by completion of:

- DFM 304 - Fashion Law
- DFM 401 - Internship in Merchandising
  OR
- DFM 402 - Internship in Digital Design

Complete one of the following options:

Digital Design option (24 hours):

- DFM 103 - Fashion Visuals
- DFM 270 - Introduction to Digital Studio and Sustainable Fashion
- DFM 370 - Digital Apparel Materials
- DFM 371 - Digital Apparel Pattern Making
- DFM 372 - Digital Flats and Specifications
- DFM 402 - Internship in Digital Design
- DFM 470 - Advanced Digital Practices
- DFM 570 - Digital Senior Studio

Merchandising option (24 hours):

- DFM 362 - Digital Visual Merchandising
- DFM 401 - Internship in Merchandising
- DFM 460 - Digital Merchandise Buying and Assortment Planning
- DFM 560 - Business Analysis
- ITC 201 - Computer Applications for Business
- MGT 340 - Principles of Management
- MKT 354 - Principles of Advertising
- MKT 365 - Introduction to Logistics

Total Credit Hours: 63

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Economics (Comprehensive) (BS)

Major Requirements

All students majoring in business must also satisfy all College of Business Core requirements. Hours required in the college core range from 36 to 51 depending on major.

Foundations and Markets (9 hours):

- ECO 365 - Intermediate Microeconomics
- ECO 385 - Intermediate Macroeconomics
- FIN 384 - Financial Markets and Investments

Quantitative Analysis (3 hours):

- ECO 409 - Applied Econometrics

Decision Analysis (choose 3 hours):

- ECO 304 - Behavioral Economics
- ECO 514 - Game Theory

International Analysis (choose 3 hours):

- ECO 346 - International Economic Development
- ECO 392 - Education Abroad in Economics
- ECO 456 - Comparative Economic Systems
- ECO 565 - International Economics

Business Applications (choose 3 hours):

- ECO 435 - The Economic Analysis of Law
- ECO 475 - Managerial Economics
- ECO 560 - Applied Data Analytics
- FIN 381 - Financial Planning

Policy Applications (choose 3 hours):

- ECO 450 - Urban and Regional Economics
- ECO 504 - Health Care Economics
- ECO 515 - Public Sector Economics
- ECO 540 - Environmental, Resource, and Energy Economics

Six additional hours of ECO courses numbered 300-level or higher.

Total Credit Hours: 30

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Economics (Non-Comprehensive) (BA)

Major Requirements

Three or more credit hours may count toward General Education requirements.

- ECO 155 - Principles of Macroeconomics
- ECO 165 - Principles of Microeconomics
- ECO 365 - Intermediate Microeconomics
- ECO 385 - Intermediate Macroeconomics
- ECO 409 - Applied Econometrics

One of the Following Statistics Courses:

- AGR 330 - Statistical Applications in Agriculture
- MTH 340 - Statistical Methods
- PSY 200 - Psychological Statistical Methods
- QBA 237 - Basic Business Statistics
- SOC 220 - Statistics for Social Research
- SPR 328 - Statistical Applications in Sport and Recreation Administration

12 Additional Hours in Economics.

Public Affairs Capstone Experience Requirement will be fulfilled by completion of:

- ECO 409 - Applied Econometrics

Minor Required (or Second Major)

Must be outside the College of Business. No more than 30 hours of coursework from the business units of the College of Business will be allowed.

Total Credit Hours: 30

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Entertainment Management (Comprehensive) (BS)

Major requirements

All students majoring in business must also satisfy all College of Business Core requirements. Hours required in the college core range from 36 to 51 depending on major.

- MGT 211 - Talent Management in Music and Entertainment
  OR
- MGT 413 - Managing the Sport Enterprise

- MGT 310 - Introduction to the Entertainment Industry
- MGT 345 - Human Resources Management
- MGT 408 - Sponsorships in Entertainment and Sport
- MGT 410 - Venue Management
- MGT 412 - Managing Events in Entertainment and Sport
- 3 hours of MGT 494 - Internship in Management

11-12 hours from:

- ACC 311 - Managerial Cost Accounting
- BUS 550 - Negotiation, Mediation, and Arbitration in Business
  OR
- LAW 550 - Negotiation, Mediation, and Arbitration in Business
- COM 439 - Techniques and Cases in Public Relations
- FIN 266 - Principles of Real Estate
- GRY 310 - Fundamentals of Tourism

- LAW 335 - Business Enterprises, Rights/Liabilities
  OR
- LAW 532 - Legal Environment of Business Organizations for Professionals

- MGT 211 - Talent Management in Music and Entertainment
  OR
- MGT 413 - Managing the Sport Enterprise

- MGT 300 - Service-Learning in Management
- MGT 400 - Topics in Management
- MGT 465 - Managing the Human Resource Environment and Employment Relationship
- MKT 352 - Professional Sales
- MKT 367 - Purchasing and Supply Management
- MKT 368 - Supply Chain and Operations Modeling
- MKT 410 - Services Marketing
- MUS 216 - Introduction to Audio Techniques
- MUS 316 - Advanced Audio Recording Techniques
- MUS 362 - Choral Union
  OR
- MUS 375 - Band
  OR
- MUS 376 - University Symphony
  OR
- MUS 393 - Opera Workshop
- MUS 529 - Introduction to Commercial Music

- RMI 415 - Risk Management
- SPR 305 - Meeting Planning and Event Planning
- SPR 320 - Fundamentals of Tourism
- THE 150 - Introduction to Theatre Technology
- THE 250 - Stagecraft and Construction I
  OR
- THE 255 - Stage Lighting Technology
- THE 354 - Stage Management

Total Credit Hours: 32-33

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Entrepreneurship (Comprehensive) (BS)

Major requirements

All students majoring in business must also satisfy all College of Business Core requirements. Hours required in the college core range from 36 to 51 depending on major.

- ENT 301 - Principles of Entrepreneurship
- ENT 302 - Creativity, Innovation, and Ideation
- ENT 543 - New Venture Management
- ENT 561 - Small Business Consulting
- ENT 584 - Feasibility Study
- FIN 350 - Entrepreneurial Finance
- MKT 351 - Consumer Behavior
  OR
- MKT 360 - Marketing Research
  OR
- MKT 410 - Services Marketing

Nine hours from:

- BUS 510 - E-Business and Online Entrepreneurship
- ENT 201 - Launching Your New Business Online
- ENT 494 - Internship in Entrepreneurship
- DFM 560 - Business Analysis
- MGT 341 - Organizational Behavior and Leadership
- MGT 345 - Human Resources Management
- MGT 440 - Leadership Skill Development
- MGT 441 - Ethical Leadership in Business
- MKT 365 - Introduction to Logistics

- MKT 367 - Purchasing and Supply Management
- QBA 337 - Applied Business Statistics

Total Credit Hours: 30

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Finance (Comprehensive) (BS)

Major requirements

All students majoring in business must also satisfy all College of Business Core. Hours required in the college core range from 36 to 51 depending on major.

Major Core (9-10 hours):

- FIN 384 - Financial Markets and Investments
- FIN 585 - Portfolio Management and Alternative Assets
- LAW 332 - Debtor and Creditor Rights and Remedies

- LAW 335 - Business Enterprises, Rights/Liabilities
  OR
- LAW 532 - Legal Environment of Business Organizations for Professionals

Complete one of the following options:

Corporate and Investments option (24 hours):

- FIN 390 - Intermediate Financial Management
- FIN 586 - International Financial Statement Analysis
- FIN 587 - Security Valuation

Six hours from:

- FIN 266 - Principles of Real Estate
- FIN 381 - Financial Planning
- RMI 211 - Principles of Risk Management and Insurance

Nine hours from:

- ECO 304 - Behavioral Economics
  OR

- ECO 514 - Game Theory

- FIN 392 - International Education Abroad in Finance
  OR
- FIN 395 - Domestic Field Experience in Finance
- FIN 480 - Financial Decision Making
- FIN 494 - Internship in Finance
- FIN 570 - Foundations of Fintech
- FIN 582 - International Financial Management
- FIN 589 - Management of Financial Institutions
- FIN 596 - Research Issues and Problems: Finance
- FIN 598 - Financial Research and Portfolio Management
- FIN 599 - Directed Study for CFA Level I Exam
- RMI 520 - Risk Modeling and Analytics
- RMI 530 - Risk Transfer

Note:

** 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.*

Financial Planning option (21 hours):

- ACC 321 - Tax Accounting I
- FIN 381 - Financial Planning
- FIN 538 - Introduction to Estate Planning
  OR
- RMI 538 - Introduction to Estate Planning
- FIN 581 - Professional Financial Planning
- RMI 211 - Principles of Risk Management and Insurance
- RMI 314 - Employee Benefits and Social Insurance

One course from:

- ACC 524 - Tax Accounting II
- ACC 525 - Individual Income Tax Assistance
- BUS 550 - Negotiation, Mediation, and Arbitration in Business
  OR
- LAW 550 - Negotiation, Mediation, and Arbitration in Business
- COM 325 - Nonverbal Communication
- ECO 304 - Behavioral Economics
- FIN 266 - Principles of Real Estate
- FIN 390 - Intermediate Financial Management
- FIN 392 - International Education Abroad in Finance
- FIN 395 - Domestic Field Experience in Finance
- FIN 494 - Internship in Finance
- FIN 587 - Security Valuation
- FIN 598 - Financial Research and Portfolio Management

- MKT 352 - Professional Sales
- RMI 312 - Life Insurance
- RMI 313 - Property and Liability Insurance

Fintech (24 hours):

- FIN 570 - Foundations of Fintech
- FIN 589 - Management of Financial Institutions
- ITC 260 - Programing Logic and Design for Business
- ITC 535 - Machine Learning
- ITC 580 - Fundamentals of Blockchain Technology
- QBA 337 - Applied Business Statistics

One 3-hour internship:

- FIN 494 - Internship in Finance
  OR
- ITC 494 - Internship in Information Technology and Cybersecurity

One course from:

- ECO 409 - Applied Econometrics
- FIN 392 - International Education Abroad in Finance
  OR
- FIN 395 - Domestic Field Experience in Finance
- FIN 587 - Security Valuation
- FIN 598 - Financial Research and Portfolio Management
- RMI 520 - Risk Modeling and Analytics

Total Credit Hours: 29-33

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

General Business (Comprehensive) (BS)

Major requirements

All students majoring in business must also satisfy all College of Business Core. Hours required in the college core range from 36 to 51 depending on major.

- LAW 335 - Business Enterprises, Rights/Liabilities
  OR
- LAW 532 - Legal Environment of Business Organizations for Professionals

- RMI 211 - Principles of Risk Management and Insurance

Minimum of 24 hours with at least one course from four of the following six areas:

Business Relationships:

- BUS 494 - Internship
- BUS 510 - E-Business and Online Entrepreneurship
- BUS 550 - Negotiation, Mediation, and Arbitration in Business
  OR
- LAW 550 - Negotiation, Mediation, and Arbitration in Business
- ECO 304 - Behavioral Economics
- ECO 310 - Labor Economics
- ENG 321 - Writing II: Beginning Technical Writing *
- ENT 301 - Principles of Entrepreneurship
  OR
- ENT 302 - Creativity, Innovation, and Ideation
- ITC 205 - Web Site Design and Development
- LAW 341 - Legal Research and Writing
- MGT 341 - Organizational Behavior and Leadership
- MGT 397 - Business Report Writing
- MKT 351 - Consumer Behavior
- MKT 352 - Professional Sales
- MKT 354 - Principles of Advertising
- MKT 355 - Principles of Retailing
- MKT 410 - Services Marketing

*ENG 321 may also be used to meet the Focus on Written Communication and Integrative and Applied Learning requirement of General Education.

Financial and Quantitative Analysis:

- ACC 301 - Intermediate Accounting I
- ACC 302 - Intermediate Accounting II
- ACC 311 - Managerial Cost Accounting
- ACC 513 - Managerial Cost Accounting II
- ECO 409 - Applied Econometrics
- ECO 475 - Managerial Economics
- FIN 381 - Financial Planning
- FIN 390 - Intermediate Financial Management
- FIN 585 - Portfolio Management and Alternative Assets
- MKT 360 - Marketing Research
- MKT 368 - Supply Chain and Operations Modeling
- QBA 337 - Applied Business Statistics

International Business Environment:

- BUS 392 - International Education Abroad in Business
- ECO 346 - International Economic Development
- ECO 392 - Education Abroad in Economics
- ECO 456 - Comparative Economic Systems
- ECO 565 - International Economics
- FIN 392 - International Education Abroad in Finance
- FIN 582 - International Financial Management
- FIN 586 - International Financial Statement Analysis
- MGT 447 - International Management
- MKT 464 - Global Supply Chain Management
- MKT 474 - International Marketing
- RMI 392 - International Education Abroad in Risk Management and Insurance

Markets and Economies:

- ECO 365 - Intermediate Microeconomics
- ECO 385 - Intermediate Macroeconomics
- ECO 514 - Game Theory
- FIN 266 - Principles of Real Estate
- FIN 384 - Financial Markets and Investments
- FIN 395 - Domestic Field Experience in Finance
- MKT 365 - Introduction to Logistics
- MKT 450 - Supply Chain Management and Sustainability

Project and Technology Management:

- ACC 341 - Accounting and Management Information Systems
- ITC 235 - Computer Hardware and Operating Systems
- ITC 260 - Programing Logic and Design for Business
- ITC 290 - Advanced Microcomputer Applications
- ITC 295 - Database Management Systems Concepts and Design
- ITC 388 - Information Systems Analysis and Design
- ITC 420 - IT Project Management
- TCM 359 - Principles of Project Management

Risk Management and Compliance:

- ACC 321 - Tax Accounting I
- ACC 524 - Tax Accounting II
- ECO 435 - The Economic Analysis of Law
- FIN 589 - Management of Financial Institutions
- FIN 538 - Introduction to Estate Planning
  OR
- RMI 538 - Introduction to Estate Planning
- LAW 531 - Labor Law and Employment Discrimination
- LAW 537 - Environmental Regulation
- MGT 345 - Human Resources Management

- RMI 310 - Principles of ERM: Theory and Application
- RMI 312 - Life Insurance
- RMI 313 - Property and Liability Insurance
- RMI 314 - Employee Benefits and Social Insurance
- RMI 415 - Risk Management
- TCM 337 - Quality Control and Measurement

Total Credit Hours: 29-30

Students are strongly encouraged to pursue a minor in combination with the General Business major. With proper planning of courses, students may be able to complete a minor in as few as nine additional credit hours. Examples of minors that add value to the General Business major are: Accounting, Business Application Development, Cybersecurity, Data Analytics, Economics, Enterprise Risk Management, Finance, Global Entrepreneurship and Management, Human Resource Management, Information Technology, IT Infrastructure, Insurance, Legal Studies in Business, and Supply Chain, Logistics and Operations Management

University level requirements:

1. General Education Program & Requirements
2. General Baccalaureate Degree Requirements

Human Resource Management (Comprehensive) (BS)

Major requirements

All students majoring in business must also satisfy all College of Business Core requirements. Hours required in the college core range from 36 to 51 depending on major.

- MGT 341 - Organizational Behavior and Leadership
- MGT 345 - Human Resources Management
- MGT 450 - Training and Development
- MGT 451 - Talent Acquisition
- MGT 465 - Managing the Human Resource Environment and Employment Relationship
- MGT 546 - Direct Compensation System Management
- QBA 337 - Applied Business Statistics
- RMI 314 - Employee Benefits and Social Insurance

Total credit hours: 24

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Policies & Requirements

Information Technology (Comprehensive) (BS)

Major requirements

All students majoring in business must also satisfy all College of Business Core requirements. Hours required in the college core range from 36 to 51 depending on major.

Major Core (12 hours):

- ITC 235 - Computer Hardware and Operating Systems
- ITC 260 - Programing Logic and Design for Business
- ITC 295 - Database Management Systems Concepts and Design
- ITC 388 - Information Systems Analysis and Design

Complete one of the following options:

Application Development option (18 hours):

- ITC 466 - Advanced .Net Development with C#
  OR
- ITC 475 - Advanced Web Development

Nine hours from:

- ITC 362 - Mobile App Development
- ITC 366 - Introduction to .Net Development with C#
- ITC 370 - Introduction to Web Development
- ITC 466 - Advanced .Net Development with C# *
- ITC 475 - Advanced Web Development *
- ITC 528 - Database Application Development with Oracle
  ***if not used above.**

Six hours from:

- ITC 330 - Introduction to Networking
- ITC 362 - Mobile App Development **
- ITC 366 - Introduction to .Net Development with C# **
- ITC 370 - Introduction to Web Development **
- ITC 394 - Cooperative Education in Information Technology and Cybersecurity
- ITC 397 - Topics in Information Technology and Cybersecurity
- ITC 420 - IT Project Management
- ITC 430 - Advanced Networking
- ITC 466 - Advanced .Net Development with C# **
- ITC 475 - Advanced Web Development **
- ITC 494 - Internship in Information Technology and Cybersecurity
- ITC 495 - Advanced Data Management and Integration
- ITC 528 - Database Application Development with Oracle **
- ITC 535 - Machine Learning

- ITC 545 - Data Infrastructure for Data Analytics
- ITC 555 - Data Visualization
- ITC 360 - Fundamentals of Cybersecurity
- ITC 563 - Introduction to Network Security
- ITC 564 - Introduction to Ethical Hacking
- ITC 581 - Data Analytics for Business Decision Making
- ITC 583 - Cloud Computing
  ****if not used above**

Cybersecurity option (18 hours):

- ITC 330 - Introduction to Networking
- ITC 430 - Advanced Networking

12 hours from:

- ITC 360 - Fundamentals of Cybersecurity
- ITC 563 - Introduction to Network Security
- ITC 564 - Introduction to Ethical Hacking
- ITC 565 - Computer Forensics
- ITC 566 - Web Application Security
- ITC 494 - Internship in Information Technology and Cybersecurity

IT Infrastructure option (18 hours):

12 hours from:

- ITC 330 - Introduction to Networking
- ITC 360 - Fundamentals of Cybersecurity
- ITC 430 - Advanced Networking
- ITC 495 - Advanced Data Management and Integration
- ITC 528 - Database Application Development with Oracle
- ITC 583 - Cloud Computing

Six hours from:

- ITC 330 - Introduction to Networking *
- ITC 360 - Fundamentals of Cybersecurity *
- ITC 362 - Mobile App Development
- ITC 366 - Introduction to .Net Development with C#
- ITC 370 - Introduction to Web Development
- ITC 394 - Cooperative Education in Information Technology and Cybersecurity
- ITC 397 - Topics in Information Technology and Cybersecurity
- ITC 420 - IT Project Management
- ITC 430 - Advanced Networking *
- ITC 466 - Advanced .Net Development with C#
- ITC 475 - Advanced Web Development

- ITC 494 - Internship in Information Technology and Cybersecurity
- ITC 495 - Advanced Data Management and Integration *
- ITC 528 - Database Application Development with Oracle *
- ITC 535 - Machine Learning
- ITC 545 - Data Infrastructure for Data Analytics
- ITC 555 - Data Visualization
- ITC 563 - Introduction to Network Security
- ITC 564 - Introduction to Ethical Hacking
- ITC 581 - Data Analytics for Business Decision Making
- ITC 583 - Cloud Computing *
  ***if not used above**

Total Credit Hours: 30

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Interior Design (Comprehensive) (BS)

Admission requirement:

- MTH 134 - Algebraic Reasoning and Modeling with a grade of C or better.

Specific General Education requirements:

- MTH 134 - Algebraic Reasoning and Modeling
- PSY 121 - Introductory Psychology

Major requirements

- ART 110 - Introduction to New Media
  OR
- ART 215 - Drawing II
- ART 115 - Drawing I

- ACC 201 - Introduction to Financial Accounting
  OR
- MKT 350 - Principles of Marketing
- IDC 140 - Fundamentals of Design and Interiors
- IDC 201 - Studio I
- IDC 202 - Studio II
- IDC 208 - CAD for Interior Design
- IDC 241 - Residential Design I

- IDC 303 - Studio III
- IDC 304 - Studio IV
- IDC 325 - Pre-Internship Seminar
- IDC 344 - Historical Design Pre 19th Century
- IDC 346 - Historical Design: 19th - 21st Century
- IDC 405 - Studio V
- IDC 406 - Studio VI
- IDC 408 - Computer Applications for Interior Design
- IDC 424 - Business Practices
- IDC 441 - National Council of Interior Design Qualifications (NCIDQ) and Senior Show
- IDC 499 - Internship in Interior Design
- LAW 231 - Legal Environment of Business
- TCM 123 - Introduction to Construction for Non-Construction Majors
- TCM 221 - Construction Documents and Quantity Take-off
- TCM 313 - Virtual Design and Construction
- TCM 321 - Mechanical Systems for Buildings
- TCM 322 - Electrical Systems for Buildings
- TCM 324 - Construction Cost Estimating

Public Affairs Capstone Experience will be fulfilled by completion of:

- IDC 499 - Internship in Interior Design

Total Credit Hours: 81

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

International Business (Comprehensive) (BS)

Major requirements

All students majoring in business must also satisfy all College of Business Core requirements. Hours required in the college core range from 36 to 51 depending on major.

- MGT 345 - Human Resources Management
- MGT 440 - Leadership Skill Development
- MGT 447 - International Management

Six hours of MGT or ENT courses numbered 300 or higher. For example,

- ENT 301 - Principles of Entrepreneurship
- ENT 302 - Creativity, Innovation, and Ideation
- ENT 392 - Education Abroad in Entrepreneurship

- MGT 341 - Organizational Behavior and Leadership
- MGT 392 - Education Abroad in Management
- MGT 400 - Topics in Management
- MGT 494 - Internship in Management

Six hours of COB international courses from:

- ACC 506 - International Accounting
- ECO 346 - International Economic Development
- ECO 456 - Comparative Economic Systems
- ECO 565 - International Economics
- FIN 392 - International Education Abroad in Finance
- FIN 582 - International Financial Management
- FIN 586 - International Financial Statement Analysis
- LAW 537 - Environmental Regulation
- LAW 539 - Legal Regulation of International Commerce
- MGT 496 - Readings in Management and Leadership if designated with international business content
- MGT 596 - Research Issues and Problems: Management if designated with international business content
- MKT 464 - Global Supply Chain Management
- MKT 474 - International Marketing

Three hours of non-COB international courses, for example:

- AGB 514 - International Agricultural Trade
- ANT 313 - Volunteering and Development in the Global South: Anthropological Perspectives
- IPE 376 - Cultural Competence in Health Care
- IPE 377 - Global Issues in Health Services
- PLS 333 - Model United Nations
- PLS 338 - Politics of Less Developed Countries
- PLS 437 - International Organizations and Law
- PLS 544 - Government and Politics of the Middle East
- PLS 545 - Asian Politics
- PLS 547 - Politics of the European Union and Its Members
- PLS 548 - Latin American Politics
- PLS 550 - Modern African Politics
- PLS 555 - Public Policy for a Global Environment
- PLS 569 - Foreign Policies of the Middle Eastern States
- or additional COB international courses. Department Head may provide alternatives.

Foreign Language and Culture Component:

12 credit hours from the Department of Languages, Cultures, and Religion. Students may substitute up to six hours of Education Abroad experiences. International students whose native language is not English may complete the 12 hour requirement by taking classes with global or cultural content in the following areas: Anthropology, Communication, History, International Relations, Languages and Cultures, Linguistics, Political Science, Public Administration, or Religion.

Three hours or more of Education Abroad experiences (within the 36 hours required to fulfill the major).

International students whose native language is not English may substitute/fulfill this requirement via a U.S. Domestic Education Abroad experience or U.S. Domestic Internship experience.

Total credit hours: 36

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Policies & Requirements

Management and Leadership (Comprehensive) (BS)

Major requirements

All students majoring in business must also satisfy all College of Business Core requirements. Hours required in the college core range from 36 to 51 depending on major.

- MGT 341 - Organizational Behavior and Leadership
- MGT 345 - Human Resources Management
- MGT 440 - Leadership Skill Development
- MGT 447 - International Management
- QBA 337 - Applied Business Statistics

Nine additional hours from MGT and/or ENT courses numbered 300 or higher.

Total credit hours: 24

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Policies & Requirements

Marketing (Comprehensive) (BS)

Major requirements

All students majoring in business must also satisfy all College of Business Core requirements. Hours required in the college core range from 36 to 51 depending on major.

Major core (15 hours):

- MKT 351 - Consumer Behavior
- MKT 360 - Marketing Research
- MKT 464 - Global Supply Chain Management
  OR
- MKT 474 - International Marketing
- MKT 472 - Marketing Strategy
- QBA 337 - Applied Business Statistics

Complete one of the following options:

Advertising and Promotion option (15 hours):

- MKT 354 - Principles of Advertising
- MKT 380 - Creative Advertising
  OR
- MKT 515 - Contemporary Issues in Advertising/Promotion
- MKT 456 - Advanced Advertising
- MKT 510 - Digital and Social Media Marketing

One course from:

- MKT 380 - Creative Advertising if not taken to fulfill requirement above
  OR
- MKT 515 - Contemporary Issues in Advertising/Promotion if not taken to fulfill requirement above
- MKT 480 - Advertising Campaigns
- MKT 485 - Marketing Yourself
- ART 100 - 2D Design

Marketing Management option (15 hours):

- MKT 354 - Principles of Advertising
- MKT 365 - Introduction to Logistics
- MKT 410 - Services Marketing

Two courses from:

- MKT 352 - Professional Sales
- MKT 355 - Principles of Retailing
- MKT 452 - Sales Management
- MKT 485 - Marketing Yourself
- MKT 510 - Digital and Social Media Marketing
- MKT 515 - Contemporary Issues in Advertising/Promotion
- MGT 397 - Business Report Writing

Marketing Research option (15 hours):

- MKT 368 - Supply Chain and Operations Modeling

- MKT 570 - Marketing Analytics

Three courses from:

- MKT 410 - Services Marketing
- MKT 510 - Digital and Social Media Marketing
- ITC 535 - Machine Learning
- ITC 555 - Data Visualization
- MGT 397 - Business Report Writing
- TCM 337 - Quality Control and Measurement
- TCM 359 - Principles of Project Management

Professional Sales option (15 hours):

- MKT 352 - Professional Sales
- MKT 451 - Advanced Professional Sales
- MKT 452 - Sales Management

Two courses from:

- MKT 355 - Principles of Retailing
- MKT 365 - Introduction to Logistics
- MKT 410 - Services Marketing
- MKT 485 - Marketing Yourself

Total Credit Hours: 30

University level requirements:

1. General Education requirements
2. General baccalaureate degree requirements

Mechanical Engineering Technology (Comprehensive) (BS)

Admission requirement:

Grade of C or better in

- MTH 261 - Analytic Geometry and Calculus I

Major requirements:

Note: 19 hours may double count toward General Education requirements.

- TCM 110 - Introduction to Engineering Design
- TCM 273 - Mechanics of Materials

- TCM 281 - Dynamics
- TCM 315 - Thermodynamics and Heat Transfer
- TCM 325 - Fluid Mechanics
- TCM 331 - Materials and Manufacturing Processes
- TCM 337 - Quality Control and Measurement
- TCM 347 - Electrical Circuits
- TCM 355 - Production Planning and Control
- TCM 359 - Principles of Project Management
- TCM 365 - Computer Integrated Manufacturing
- TCM 411 - Mechanical Design and Analysis
- TCM 438 - Systems Integration
- TCM 498 - Senior Design
- TCM 551 - Project Schedule and Cost Management
- ACC 201 - Introduction to Financial Accounting
- CHM 160 - General Chemistry I
- CHM 161 - General Chemistry I Laboratory
- ITC 260 - Programing Logic and Design for Business
  OR
- CSC 125 - Introduction to C++ Programming
- MTH 280 - Analytic Geometry and Calculus II
- MTH 345 - Statistics for Scientists and Engineers
- PHY 204 - Foundations of Physics II
- PHY 233 - Engineering Statics

Specific General Education Requirements:

Focus on Quantitative Literacy:

- MTH 261 - Analytic Geometry and Calculus I

Focus on Social and Behavioral Sciences:

- ECO 155 - Principles of Macroeconomics
- PSY 121 - Introductory Psychology

Focus on Physical Sciences:

- PHY 203 - Foundations of Physics I

Focus on Written Communication and Integrative and Applied Learning:

- ENG 210 - Writing II: Writing Across the Disciplines

Six hours of advisor approved upper division elective coursework.

Public Affairs Capstone Experience will be fulfilled by completion of:

- TCM 359 - Principles of Project Management

Total Credit Hours: 97-98

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Risk Management and Insurance (Comprehensive) (BS)

Major requirements

All students majoring in business must also satisfy all College of Business Core requirements. Hours required in the college core range from 36 to 51 depending on major.

Major core (17-18 hours):

- FIN 384 - Financial Markets and Investments
- LAW 335 - Business Enterprises, Rights/Liabilities
  OR
- LAW 532 - Legal Environment of Business Organizations for Professionals
- RMI 211 - Principles of Risk Management and Insurance
- RMI 310 - Principles of ERM: Theory and Application
- RMI 313 - Property and Liability Insurance
- RMI 415 - Risk Management

Complete one of the following options:

Enterprise Risk Management option (15 hours):

- FIN 585 - Portfolio Management and Alternative Assets
- RMI 520 - Risk Modeling and Analytics
- RMI 530 - Risk Transfer

Six hours from:

- BUS 550 - Negotiation, Mediation, and Arbitration in Business
  OR
- LAW 550 - Negotiation, Mediation, and Arbitration in Business

- FIN 390 - Intermediate Financial Management

- FIN 538 - Introduction to Estate Planning
  OR
- RMI 538 - Introduction to Estate Planning

- FIN 587 - Security Valuation
- FIN 589 - Management of Financial Institutions
- RMI 314 - Employee Benefits and Social Insurance
- RMI 392 - International Education Abroad in Risk Management and Insurance
- RMI 395 - Domestic Field Experience in Risk Management and Insurance
- RMI 397 - Topics in Insurance *
- RMI 494 - Internship in Risk Management and Insurance

Insurance option (15 hours):

- FIN 266 - Principles of Real Estate
  OR
- FIN 381 - Financial Planning
- RMI 312 - Life Insurance

One course from:

- BUS 550 - Negotiation, Mediation, and Arbitration in Business
  OR
- LAW 550 - Negotiation, Mediation, and Arbitration in Business

- COM 332 - Small Group Communication
- COM 336 - Communication in Organizations
- MKT 351 - Consumer Behavior
- MKT 352 - Professional Sales

Six hours from:

- ACC 321 - Tax Accounting I
- BUS 550 - Negotiation, Mediation, and Arbitration in Business
  OR
- LAW 550 - Negotiation, Mediation, and Arbitration in Business
- FIN 538 - Introduction to Estate Planning
  OR
- RMI 538 - Introduction to Estate Planning
- FIN 585 - Portfolio Management and Alternative Assets
- RMI 314 - Employee Benefits and Social Insurance
- RMI 392 - International Education Abroad in Risk Management and Insurance
- RMI 395 - Domestic Field Experience in Risk Management and Insurance
- RMI 397 - Topics in Insurance *
- RMI 494 - Internship in Risk Management and Insurance
- RMI 520 - Risk Modeling and Analytics
- RMI 530 - Risk Transfer

Note:

** Students may only apply credits for RMI 397 only once toward the major.*

Total Credit Hours: 32-33

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

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

Major requirements

All students majoring in business must also satisfy all College of Business Core requirements. Hours required in the college core range from 36 to 51 depending on major.

- MKT 365 - Introduction to Logistics
- MKT 367 - Purchasing and Supply Management
- MKT 368 - Supply Chain and Operations Modeling
- MKT 450 - Supply Chain Management and Sustainability
- MKT 460 - Logistics and Supply Chain Strategy
- MKT 565 - Business Process Management
- QBA 337 - Applied Business Statistics

Three courses from:

- MKT 351 - Consumer Behavior
- MKT 352 - Professional Sales
- MKT 354 - Principles of Advertising
- MKT 355 - Principles of Retailing
- MKT 360 - Marketing Research
- MKT 380 - Creative Advertising
- MKT 410 - Services Marketing
- MKT 451 - Advanced Professional Sales
- MKT 452 - Sales Management
- MKT 456 - Advanced Advertising
- MKT 472 - Marketing Strategy
- MKT 474 - International Marketing
- MKT 480 - Advertising Campaigns
- MKT 485 - Marketing Yourself
- MKT 510 - Digital and Social Media Marketing
- MKT 515 - Contemporary Issues in Advertising/Promotion
- MKT 570 - Marketing Analytics

Total Credit Hours: 30

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Minors

Accounting Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Science

Minor Requirements

- ACC 201 - Introduction to Financial Accounting
- ACC 211 - Introduction to Managerial Accounting
- ACC 301 - Intermediate Accounting I

Three courses from:

- ACC 302 - Intermediate Accounting II
- ACC 311 - Managerial Cost Accounting
- ACC 321 - Tax Accounting I
- ACC 341 - Accounting and Management Information Systems
- ACC 504 - Advanced Accounting
- ACC 506 - International Accounting
- ACC 513 - Managerial Cost Accounting II
- ACC 524 - Tax Accounting II
- ACC 525 - Individual Income Tax Assistance

Note:

ACC 206 may be substituted for ACC 201 and ACC 211.

Advertising and Promotion Minor

Major Degree Type

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science

Minor Requirements

- MKT 350 - Principles of Marketing
- MKT 351 - Consumer Behavior
- MKT 354 - Principles of Advertising
- MKT 456 - Advanced Advertising

One course from:

- ART 100 - 2D Design
- ART 110 - Introduction to New Media
- ENG 373 - Writing with Technology
- MKT 352 - Professional Sales
- MKT 380 - Creative Advertising
- MKT 480 - Advertising Campaigns
- MKT 510 - Digital and Social Media Marketing
- MKT 515 - Contemporary Issues in Advertising/Promotion

Business Application Development Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- ITC 260 - Programing Logic and Design for Business
- ITC 295 - Database Management Systems Concepts and Design
- ITC 388 - Information Systems Analysis and Design

Nine hours from:

- ITC 362 - Mobile App Development
- ITC 366 - Introduction to .Net Development with C#
- ITC 370 - Introduction to Web Development
- ITC 466 - Advanced .Net Development with C#
- ITC 475 - Advanced Web Development
- ITC 528 - Database Application Development with Oracle

Construction Management Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Science

Minor Requirements

- TCM 123 - Introduction to Construction for Non-Construction Majors
- TCM 221 - Construction Documents and Quantity Take-off
- TCM 324 - Construction Cost Estimating

Six hours from:

- TCM 223 - Construction Surveying
- TCM 226 - Construction Project Administration
- TCM 425 - Construction Planning and Scheduling
- TCM 427 - Construction Equipment Management
- TCM 454 - Construction Safety and Quality Management

Cybersecurity Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- ITC 235 - Computer Hardware and Operating Systems
- ITC 295 - Database Management Systems Concepts and Design
- ITC 330 - Introduction to Networking
- ITC 360 - Fundamentals of Cybersecurity
- ITC 564 - Introduction to Ethical Hacking
- ITC 583 - Cloud Computing

Data Analytics Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- ITC 295 - Database Management Systems Concepts and Design
- ITC 353 - Data Mining

- QBA 337 - Applied Business Statistics

Nine hours from:

- ITC 495 - Advanced Data Management and Integration
- ITC 535 - Machine Learning
- ITC 545 - Data Infrastructure for Data Analytics
- ITC 555 - Data Visualization
- ITC 581 - Data Analytics for Business Decision Making

Economics Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

Minor Requirements

- ECO 155 - Principles of Macroeconomics
- ECO 165 - Principles of Microeconomics

Additional Hours in Economics to Total at Least 18 Hours in the minor.

Note: One of the following statistics courses may be used toward this minor: AGR 330 , MTH 340 , PSY 200 , QBA 237 , SOC 220 , SPR 328 .

Enterprise Risk Management Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- BUS 135 - Introduction to Business
  OR
- MGT 340 - Principles of Management
- RMI 211 - Principles of Risk Management and Insurance
- RMI 310 - Principles of ERM: Theory and Application
- RMI 415 - Risk Management

Six additional hours from:

- AGB 344 - Financing Agriculture
- AGB 534 - Production Economics
- AGB 584 - Farm Business Management
- BUS 550 - Negotiation, Mediation, and Arbitration in Business
  OR
- LAW 550 - Negotiation, Mediation, and Arbitration in Business
- ECO 365 - Intermediate Microeconomics
- ECO 409 - Applied Econometrics
- FIN 266 - Principles of Real Estate
- FIN 381 - Financial Planning
- FIN 384 - Financial Markets and Investments

- FIN 538 - Introduction to Estate Planning
  OR
- RMI 538 - Introduction to Estate Planning
- FIN 585 - Portfolio Management and Alternative Assets
- MTH 503 - Advanced Calculus I
- MTH 540 - Statistical Theory I
- RMI 314 - Employee Benefits and Social Insurance
- RMI 392 - International Education Abroad in Risk Management and Insurance
- RMI 395 - Domestic Field Experience in Risk Management and Insurance
- RMI 397 - Topics in Insurance
- RMI 415 - Risk Management
- RMI 520 - Risk Modeling and Analytics
- RMI 530 - Risk Transfer
- TCM 337 - Quality Control and Measurement
- TCM 555 - Statistical Quality Control and Design of Experiments

Note:

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.

Finance Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- FIN 380 - Financial Management
- FIN 384 - Financial Markets and Investments
- FIN 585 - Portfolio Management and Alternative Assets

Six hours from:

- FIN 381 - Financial Planning
- FIN 390 - Intermediate Financial Management
- FIN 392 - International Education Abroad in Finance
  OR
- FIN 395 - Domestic Field Experience in Finance
- FIN 480 - Financial Decision Making
- FIN 582 - International Financial Management
- FIN 586 - International Financial Statement Analysis *
- FIN 587 - Security Valuation
- FIN 589 - Management of Financial Institutions

Note:

**Students who have completed ACC 301, ACC 302, and ACC 504 may waive FIN 586.*

General Business Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- ACC 201 - Introduction to Financial Accounting
- BUS 135 - Introduction to Business
- ITC 201 - Computer Applications for Business
- LAW 231 - Legal Environment of Business

Six hours from:

- ACC 211 - Introduction to Managerial Accounting
- BUS 200 - Topics in Business
  OR
- BUS 397 - Topics in Business
- BUS 392 - International Education Abroad in Business
- BUS 395 - Domestic Field Experience in Business
- BUS 550 - Negotiation, Mediation, and Arbitration in Business
  OR
- LAW 550 - Negotiation, Mediation, and Arbitration in Business
- ECO 155 - Principles of Macroeconomics
- ECO 165 - Principles of Microeconomics
- ECO 365 - Intermediate Microeconomics
- ECO 385 - Intermediate Macroeconomics

- ECO 392 - Education Abroad in Economics
- ECO 395 - Domestic Field Experience in Economics
- FIN 266 - Principles of Real Estate
- FIN 380 - Financial Management
- FIN 381 - Financial Planning
- FIN 384 - Financial Markets and Investments
- FIN 392 - International Education Abroad in Finance
- FIN 395 - Domestic Field Experience in Finance
- ITC 200 - Critical and Creative Thinking Using Information Technology
- LAW 332 - Debtor and Creditor Rights and Remedies

- LAW 335 - Business Enterprises, Rights/Liabilities
  OR
- LAW 532 - Legal Environment of Business Organizations for Professionals
- LAW 341 - Legal Research and Writing
- LAW 531 - Labor Law and Employment Discrimination
- LAW 537 - Environmental Regulation
- MGT 286 - Business Communication and Professional Development
- MGT 320 - Patterns of Management
- MGT 340 - Principles of Management
- MGT 341 - Organizational Behavior and Leadership
- MGT 486 - Administrative Communication
- MKT 150 - Marketing Fundamentals
  OR
- MKT 350 - Principles of Marketing
- MKT 355 - Principles of Retailing
- QBA 237 - Basic Business Statistics
- RMI 211 - Principles of Risk Management and Insurance
- RMI 392 - International Education Abroad in Risk Management and Insurance
- RMI 395 - Domestic Field Experience in Risk Management and Insurance

Global Entrepreneurship and Management Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- MGT 392 - Education Abroad in Management
  OR
- MGT 447 - International Management

Nine hours from:

- ENT 301 - Principles of Entrepreneurship

- ENT 302 - Creativity, Innovation, and Ideation
- ENT 561 - Small Business Consulting
- MGT 340 - Principles of Management
- MGT 341 - Organizational Behavior and Leadership
- MGT 596 - Research Issues and Problems: Management
- or alternative course with permission of department head.

Human Resource Management Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- MGT 340 - Principles of Management
- MGT 345 - Human Resources Management
- MGT 465 - Managing the Human Resource Environment and Employment Relationship

One statistics course from:

- AGR 330 - Statistical Applications in Agriculture
- MTH 340 - Statistical Methods
- PSY 200 - Psychological Statistical Methods
- QBA 237 - Basic Business Statistics
- SPR 328 - Statistical Applications in Sport and Recreation Administration
- SOC 220 - Statistics for Social Research

One course from:

- MGT 341 - Organizational Behavior and Leadership
- MGT 342 - Leading and Designing Organizations
- MGT 450 - Training and Development
- MGT 451 - Talent Acquisition
- ECO 310 - Labor Economics
- PSY 529 - Psychological Tests and Measurements
- RMI 314 - Employee Benefits and Social Insurance
- or alternative course with permission of department head or program director.

Industrial Management Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Science

Minor Requirements

15 hours from following (course groupings are to indicate possible areas of emphasis):

Construction Technology:

- TCM 121 - Construction Principles and Practice
- TCM 122 - Construction Materials and Methods
- TCM 221 - Construction Documents and Quantity Take-off
- TCM 359 - Principles of Project Management
- TCM 454 - Construction Safety and Quality Management

Production Technology:

- ENG 321 - Writing II: Beginning Technical Writing
- TCM 355 - Production Planning and Control
- TCM 511 - Product Design and Development

and one of the following:

- TCM 110 - Introduction to Engineering Design
- TCM 303 - Facilities Operation and Maintenance
- TCM 331 - Materials and Manufacturing Processes
- TCM 354 - Facility Planning
- TCM 365 - Computer Integrated Manufacturing
- TCM 399 - Cooperative Education in Industry
- TCM 499 - Senior Project
- TCM 545 - Program and Portfolio Management

Project Management:

- TCM 110 - Introduction to Engineering Design
- TCM 359 - Principles of Project Management
- TCM 456 - Supervision
- TCM 545 - Program and Portfolio Management
- TCM 551 - Project Schedule and Cost Management

Facility Management:

- TCM 121 - Construction Principles and Practice
- TCM 122 - Construction Materials and Methods
- TCM 303 - Facilities Operation and Maintenance
- TCM 313 - Virtual Design and Construction

- TCM 359 - Principles of Project Management

Information Technology Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- ITC 201 - Computer Applications for Business
- ITC 235 - Computer Hardware and Operating Systems
- ITC 260 - Programing Logic and Design for Business
- ITC 295 - Database Management Systems Concepts and Design
- ITC 388 - Information Systems Analysis and Design
- ITC 429 - Information Systems with Business Intelligence

Insurance Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- BUS 135 - Introduction to Business
  OR
- MGT 340 - Principles of Management

- RMI 211 - Principles of Risk Management and Insurance
- RMI 312 - Life Insurance
- RMI 313 - Property and Liability Insurance

Six hours from:

- BUS 550 - Negotiation, Mediation, and Arbitration in Business
  OR
- LAW 550 - Negotiation, Mediation, and Arbitration in Business

- FIN 266 - Principles of Real Estate
- FIN 381 - Financial Planning

- FIN 538 - Introduction to Estate Planning
  OR

- RMI 538 - Introduction to Estate Planning
- FIN 585 - Portfolio Management and Alternative Assets
- RMI 310 - Principles of ERM: Theory and Application
- RMI 314 - Employee Benefits and Social Insurance
- RMI 392 - International Education Abroad in Risk Management and Insurance
- RMI 395 - Domestic Field Experience in Risk Management and Insurance
- RMI 397 - Topics in Insurance
- RMI 415 - Risk Management
- RMI 520 - Risk Modeling and Analytics
- RMI 530 - Risk Transfer
- MKT 350 - Principles of Marketing
- MTH 541 - Statistical Theory II
- MTH 543 - Stochastic Modeling
- MTH 546 - Analysis of Variance and Design of Experiments
- MTH 547 - Applied Regression Analysis
- MTH 548 - Applied Time Series Analysis

Note:

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.

Interior Design Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- IDC 140 - Fundamentals of Design and Interiors
- IDC 201 - Studio I
- IDC 202 - Studio II
- IDC 208 - CAD for Interior Design
- IDC 241 - Residential Design I
- IDC 303 - Studio III

IT Infrastructure Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- ITC 235 - Computer Hardware and Operating Systems
- ITC 295 - Database Management Systems Concepts and Design
- ITC 388 - Information Systems Analysis and Design

Nine hours from:

- ITC 330 - Introduction to Networking
- ITC 360 - Fundamentals of Cybersecurity
- ITC 430 - Advanced Networking
- ITC 495 - Advanced Data Management and Integration
- ITC 528 - Database Application Development with Oracle
- ITC 583 - Cloud Computing

Legal Studies in Business Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- LAW 231 - Legal Environment of Business
- LAW 332 - Debtor and Creditor Rights and Remedies

- LAW 335 - Business Enterprises, Rights/Liabilities
  OR
- LAW 532 - Legal Environment of Business Organizations for Professionals

- LAW 341 - Legal Research and Writing

Nine hours from the following:

Must include a minimum of six hours from Group 1.

Group 1 (business courses):

- ACC 321 - Tax Accounting I
- ACC 524 - Tax Accounting II
- BUS 550 - Negotiation, Mediation, and Arbitration in Business
  OR
- LAW 550 - Negotiation, Mediation, and Arbitration in Business
- ECO 435 - The Economic Analysis of Law

- FIN 368 - Real Estate Law
  OR
- LAW 368 - Real Estate Law
- FIN 538 - Introduction to Estate Planning
  OR
- RMI 538 - Introduction to Estate Planning
- FIN 596 - Research Issues and Problems: Finance
- LAW 531 - Labor Law and Employment Discrimination
- LAW 537 - Environmental Regulation
- LAW 539 - Legal Regulation of International Commerce
- RMI 211 - Principles of Risk Management and Insurance
- RMI 314 - Employee Benefits and Social Insurance

Group 2 (non-business courses):

- AGB 314 - Legal Aspects of Agriculture
- PHI 340 - Philosophy of Law
- PLS 419 - The Judicial Process
- PLS 515 - Constitutional Law I: Powers and Constraints
- PLS 517 - Constitutional Law II: Liberties and Rights
- PSY 320 - Psychology and the Law
- SFR 581 - Law and the Classroom Teacher

Management and Leadership Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- MGT 340 - Principles of Management
- MGT 341 - Organizational Behavior and Leadership
- MGT 440 - Leadership Skill Development

One course from:

- MGT 345 - Human Resources Management
- MGT 397 - Business Report Writing
- or alternative course with permission of department head or program director.

Marketing Minor

Major Degree Type

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science

Minor Requirements

- MKT 350 - Principles of Marketing
- MKT 351 - Consumer Behavior

Three courses from:

- MKT 352 - Professional Sales
- MKT 354 - Principles of Advertising
- MKT 355 - Principles of Retailing
- MKT 360 - Marketing Research
- MKT 365 - Introduction to Logistics
- MKT 380 - Creative Advertising
- MKT 410 - Services Marketing
- MKT 451 - Advanced Professional Sales
- MKT 452 - Sales Management
- MKT 455 - Advanced Retailing Practices
- MKT 456 - Advanced Advertising
- MKT 472 - Marketing Strategy
- MKT 474 - International Marketing
- MKT 476 - Futuristics: Business and Society
- MKT 480 - Advertising Campaigns
- MKT 485 - Marketing Yourself
- MKT 570 - Marketing Analytics

Web Application Development Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- ITC 260 - Programing Logic and Design for Business
- ITC 295 - Database Management Systems Concepts and Design
- ITC 362 - Mobile App Development
- ITC 370 - Introduction to Web Development
- ITC 388 - Information Systems Analysis and Design
- ITC 475 - Advanced Web Development

Certificates

Agricultural Economics Certificate

This certificate is jointed offered by the Department of Finance, Economics and Risk Management and the School of Hospitality and Agricultural Leadership. The certificate is designed for students who aspire to have careers with government, business, or NGOs related to agricultural economics.

This certificate is administered by the Department of Finance, Economics and Risk Management.

Program Requirements

Two Courses From:

- ECO 409 - Applied Econometrics
- ECO 450 - Urban and Regional Economics
- ECO 540 - Environmental, Resource, and Energy Economics

Two Courses From:

- AGB 354 - Land Economics
- AGB 364 - Introduction to Agricultural Risk Management: Commodity Futures and Options
- AGB 444 - American Agricultural Policy
- AGB 524 - Agricultural Prices

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.

Total Credit Hours: 11-12

Business Principles Certificate

This certificate provides an overview of basic business principles, and is designed for students who are pursuing major outside the College of Business. Students with a major in a non-business area are able to demonstrate basic business proficiency via completion of the certificate.

Program requirements

- ACC 201 - Introduction to Financial Accounting
- BUS 135 - Introduction to Business
- LAW 231 - Legal Environment of Business
- MKT 150 - Marketing Fundamentals
  OR
- MKT 350 - Principles of Marketing

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirements

Attain a C or better in all courses used to fulfill the certificate requirements.

Digital Fashion Design Certificate

This certificate offers a sustainable approach to the field of fashion design. It provides an in-depth look at current technology utilized in the fashion industry in the areas of product development, 2D and 3D design to develop and create photorealistic fashion samples.

Program requirements

- DFM 210 - Fashion Technology
- DFM 270 - Introduction to Digital Studio and Sustainable Fashion
- DFM 370 - Digital Apparel Materials
- DFM 371 - Digital Apparel Pattern Making

All candidates must satisfy the General University Certificate Requirements.

Total credit hours: 12

Economic Principles Certificate

This certificate is designed to give students, who are interested in careers in government and business, a basic understanding of economics and economic analysis.

Program Requirements

Two Courses From:

- ECO 101 - Economics of Social Issues
- ECO 155 - Principles of Macroeconomics
- ECO 165 - Principles of Microeconomics

Six Additional Hours of Economics Courses Numbered 300 or higher

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Fashion Merchandising Certificate

This certificate provides an experience in the fashion field and involves an in-depth study of merchandising, such as textiles, product development, forecasting and trends, and industry calculations and formulas.

Program requirements

- DFM 202 - Fashion Fabrics
- DFM 301 - Apparel Quality
- DFM 304 - Fashion Law
- DFM 306 - Industry Formulas and Calculations

Mathematics course numbered 130 or higher.

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 15

Financial Awareness Certificate

This certificate is designed to provide non-Finance majors exposure to information and skills that are useful in making individual financial decisions. Specifically, the certificate provides insight into four subjects a person will likely encounter in their lifetime: real estate, financial planning, the legal environment, and insurance.

Program requirements

- FIN 266 - Principles of Real Estate
- FIN 381 - Financial Planning
- LAW 231 - Legal Environment of Business
- RMI 211 - Principles of Risk Management and Insurance

All candidates must satisfy the General University Certificate Requirements .

Total Credit Hours: 12

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Information Technology Certificate

This certificate provides an experience in the field of information technology. The program delivers knowledge and hands-on skill in the areas of Microsoft Excel, computer hardware and operating systems, database concepts, and programming. Completing this certificate would enable the students to acquire basic skills and knowledge in the IT field.

Program requirements

- ITC 201 - Computer Applications for Business
- ITC 235 - Computer Hardware and Operating Systems
- ITC 260 - Programing Logic and Design for Business
- ITC 295 - Database Management Systems Concepts and Design

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Insurance Certificate

This certificate provides non-Risk Management and Insurance majors the opportunity to gain knowledge of the risk and insurance industry. There is a high demand for talent in this industry due to an aging workforce and the relatively small number of risk and insurance programs in the U.S. This certificate is useful to both current students pursuing another major and individuals who have already achieved some level of education in another area, but want to obtain basic skills to join the risk and insurance industry.

Program restriction

This certificate is only available to students who are not majoring in Risk Management and Insurance.

Program requirements

- RMI 211 - Principles of Risk Management and Insurance
- RMI 312 - Life Insurance
- RMI 313 - Property and Liability Insurance

- RMI 310 - Principles of ERM: Theory and Application
  OR
- RMI 314 - Employee Benefits and Social Insurance

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirement

Attain a grade of C or better in all courses to advance in the certificate.

Leadership Development Certificate

This certificate is jointly offered by the Department of Management and the Department of Communication, Media, Journalism and Film. This interdisciplinary program will equip students with the ability to understand and work as future leaders in communities around the globe.

This certificate is administered by the Department of Management.

Program requirements

- COM 436 - Communication and Leadership
- MGT 340 - Principles of Management
- MGT 341 - Organizational Behavior and Leadership

One course from:

- COM 315 - Advanced Speaking in Professional Settings
- COM 328 - Persuasion

One course from:

- MGT 440 - Leadership Skill Development
- MGT 441 - Ethical Leadership in Business

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 15

Online Entrepreneurship Certificate

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

- ENT 201 - Launching Your New Business Online
- ENT 202 - Managing Your New Business Online
- ENT 203 - Leading Your New Business Online
- 3 hours of MGT 400 - Topics in Management

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Relationship Selling Certificate

This certificate is designed to provide students with a useful set of personal selling and sales force management skills.

Program requirements

- MKT 352 - Professional Sales
- MKT 410 - Services Marketing
- MKT 451 - Advanced Professional Sales
- MKT 452 - Sales Management

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirement

Attain a GPA of 2.50 or higher for all courses used to fulfill the certificate requirements.

The Modern Global Economy Certificate

This certificate is designed for students who aspire to have careers-with government, business, or NGOs-related to the global economy. It is meant to give students a solid foundation in economic theory and provide skills for the economic analysis of major issues and policy challenges related to the global economy.

Program Requirements

Two Courses From:

- ECO 346 - International Economic Development
- ECO 456 - Comparative Economic Systems
- ECO 565 - International Economics

Two Additional Courses From the Following Options to Total 12 Hours in the Certificate:

- MGT 447 - International Management
- PLS 232 - International Relations

International Education Abroad Course

ECO 392 or a comparable international education abroad course.

One of the Following General Education Courses May Count:

- GRY 100 - World Regional Geography
- HST 104 - World History since 1600 C.E.
- REL 110 - World Religions

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion Requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

College of Education

Academic Units

Schools

- School of Special Education, Leadership and Professional Studies
- School of Teaching, Learning and Developmental Sciences
- Greenwood Laboratory School (non-degree granting)

Centers/Departments

- Secondary Education
- Center for Rural Education
- Child Development Center (non-degree granting)

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

- Early Childhood Education (Birth-grade 3)
- Elementary Education (1-6)
- Middle School (5-9):
    - Language Arts
    - Social Studies
    - Mathematics

    - Science
- Additional Middle School endorsements can be added in:
    - Agriculture*
    - Drama*
    - Speech*

Communication Sciences and Disorders

- Speech/Language Specialist (K-12)
- Deaf/Hearing Impaired (Birth-grade 12)

Counseling, Leadership, and Special Education

- Special Education:
    - Mild/Moderate: Cross Categorical (K-12)
    - Blind and Partially Sighted (Birth-grade 12)

Secondary Education (9-12 and K-12)

- Agriculture (9-12)
- Art (K-12)
- Business Education (9-12)
- English (9-12)
    - English Language Learners (K-12)*
- Family and Consumer Sciences (K-12)
- History (Social Science) (9-12)
- Language, Modern (K-12)
    - Chinese
    - French
    - German
    - Japanese
    - Latin
    - Spanish
- 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 state of Missouri teacher certification should contact the Office of Professional Education Certification. Learn more: Professional Education Certification

Contact

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Education.MissouriState.edu/Advise

Majors

Business Education (BSEd)

Education Bachelor of Science in Education (Certifiable grades 9-12)

The curriculum for Business 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. Holders of this Business Education certificate may be employed to teach in grades 9-12.

Degree requirements

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

1. at least a 3.00 GPA in the certificate subject area (major field of study), which includes all courses listed under Business Content.
2. at least a 3.00 GPA in any additional certificate subject area
3. at least a 3.00 GPA in the professional education courses and no grade lower than a "B" in all professional education courses, which includes all courses listed under Professional Education.

Additionally, students must earn a composite score or super score of 20 or higher 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 Department of Elementary and Secondary Education (MoDESE).

All students must be admitted to Teacher Education and have successfully completed Supervised Teaching to earn this degree. Refer to Teacher Education for application procedures.

Note: Bachelor of Science in Education majors cannot count more than 30 hours of business courses (25 percent of the 123 hours required for graduation) toward the degree. 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.

Program requirements

Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:

First-year Seminar (2 hours).

- GEP 101 - First-Year Foundations

Note:

UHC 110 required for Honors College students, and EDC 150 is required for transfer students.

Focus on Written Communication (6 hours):

- ENG 110 - Writing I
- ENG 210 - Writing II: Writing Across the Disciplines

Focus on Quantitative Literacy (3 hours):

grade of "C" or better in

- MTH 134 - Algebraic Reasoning and Modeling

Focus on Oral Communication (3 hours):

- COM 115 - Fundamentals of Public Speaking or have a transfer course transcripted as GEC 103.

Focus on Social and Behavioral Sciences (6 hours):

- ECO 155 - Principles of Macroeconomics
- PSY 121 - Introductory Psychology

Focus on Constitution of U.S. and Missouri and American History and Institutions (6 hours):

- HST 121 - Survey of the History of the United States to 1877
  OR
- HST 122 - Survey of the History of the United States since 1877
- PLS 101 - American Democracy and Citizenship

Focus on Public Issues (3 hours):

- ITC 200 - Critical and Creative Thinking Using Information Technology

Business Content (33 hours):

Specific courses required to meet Missouri Department of Elementary and Secondary Education (MoDESE) Business Content requirements:

- ACC 201 - Introduction to Financial Accounting
- ACC 211 - Introduction to Managerial Accounting
- ECO 155 - Principles of Macroeconomics
- ECO 165 - Principles of Microeconomics
- EDT 545 - Building Blocks for Coding in an Educational Setting
- ITC 200 - Critical and Creative Thinking Using Information Technology
- ITC 201 - Computer Applications for Business
- LAW 231 - Legal Environment of Business
- MGT 286 - Business Communication and Professional Development
- MGT 340 - Principles of Management
- MKT 350 - Principles of Marketing

Professional Education

Note: A grade of "B" or better in each course is required.

Foundations of Teaching (18 hours):

- EDC 345 - Introduction to Multicultural Education and Diversity
- EDC 350 - School and Society
- EDT 365 - Educational Applications of Technology and Media
- EDT 520 - Technologies in a Contemporary School Setting
- PSY 360 - Educational Psychology
- SFR 486 - Management and Assessment in the Middle and Secondary Classroom
- SPE 340 - Educational Alternative for Exceptional Students

Literacy Methods (6 hours):

- LTC 474 - Reading and Writing in the Content Fields
- LTC 574 - Analysis and Correction of Difficulties in Adolescent Literacy

Content Area Methods and Career and Technical Education Courses (9 hours):

- EDT 560 - Digital-Age Learning Environments
- SEC 526 - Curriculum in Career and Technical Education
- SEC 527 - Teaching and Learning in Career and Technical Education

Clinical Experiences (18 hours):

- SEC 302 - General Methods of Instruction in the Middle and Secondary Schools
- SEC 439 - Instructional Strategies in Career and Technical Education
- SEC 493 - Supervised Teaching (Secondary)
- SEC 494 - Supervised Teaching (Secondary)

Public Affairs Capstone Experience will be fulfilled by completion of:

- SEC 493 - Supervised Teaching (Secondary)
- SEC 494 - Supervised Teaching (Secondary)

Teacher Education Requirements:

This program also requires compliance with Teacher Education and Teacher Certification Requirements for eligibility to enroll in Professional Education courses; admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification.

University level requirements

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Career and Technical Education (BSED)

Major Requirements

Note: 10 hours may double count toward General Education requirements.

Specific General Education requirement:

- PSY 121 - Introductory Psychology

Major Core

- SEC 302 - General Methods of Instruction in the Middle and Secondary Schools
- LTC 474 - Reading and Writing in the Content Fields
- SPE 340 - Educational Alternative for Exceptional Students
- SFR 486 - Management and Assessment in the Middle and Secondary Classroom
- EDC 345 - Introduction to Multicultural Education and Diversity
- PSY 360 - Educational Psychology

- CTE 335 - Presentation Techniques
- CTE 507 - Student Organizations in Career and Technical Education
- CTE 512 - Teaching Career and Technical Education
- CTE 515 - Organization of Career and Technical Education Programs
- CTE 493 - Supervised Teaching (Career and Technical Education)
- CTE 494 - Supervised Teaching (Career and Technical Education)

Public Affairs Capstone Experience will be fulfilled by completion of:

- CTE 493 - Supervised Teaching (Career and Technical Education)
- CTE 494 - Supervised Teaching (Career and Technical Education)

Complete one of the following options:

Family and Consumer Sciences (39 hours) (Certifiable grades K-12):

- CFD 155 - Principles of Human Development
- CFD 160 - Principles of Development in Early Childhood
- CFD 163 - Relationships in Today's Families
- CFD 250 - Parenting in Contemporary Society
- CFD 361 - Principles of Family Development
- CTE 110 - Housing, Environments, and Design
- CTE 120 - Family Health and Nutrition
- CTE 301 - Textiles, Apparel, and Fashion
- CTE 373 - Family Economics
- CTE 472 - Resource Management Theory and Practicum
- CTE 507 - Student Organizations in Career and Technical Education
- HSP 210 - Essentials of Hospitality Leadership
- HSP 218 - Safety and Sanitation
- HSP 321 - Principles of Food Preparation

Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:

- BIO 101 - Biology in Your World **AND**
- BIO 111 - Laboratory for Biology in Your World
  OR
- BIO 121 - General Biology I
  OR
- BMS 110 - Introduction to Human Biology **AND**
- BMS 111 - Introduction to Human Biology Laboratory

Business Education (39 hours) (Certifiable grades 9-12):

- ACC 201 - Introduction to Financial Accounting
- ACC 211 - Introduction to Managerial Accounting

- ECO 155 - Principles of Macroeconomics
- ECO 165 - Principles of Microeconomics
- EDT 545 - Building Blocks for Coding in an Educational Setting
- EDT 560 - Digital-Age Learning Environments

- FIN 150 - Personal Finance
  OR
- CTE 373 - Family Economics

- ITC 200 - Critical and Creative Thinking Using Information Technology
- ITC 201 - Computer Applications for Business
- LAW 231 - Legal Environment of Business
- MGT 286 - Business Communication and Professional Development
- MGT 340 - Principles of Management
- MKT 350 - Principles of Marketing

Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:

Focus on Quantitative Literacy:

- grade of C or better in MTH 134 - Algebraic Reasoning and Modeling

Focus on Social and Behavioral Sciences:

- ECO 155 - Principles of Macroeconomics

Focus on Public Issues:

- ITC 200 - Critical and Creative Thinking Using Information Technology

Note:

Bachelor of Science in Education majors cannot count more than 30 hours of business courses (25 percent of the hours required for graduation) toward the degree. 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.

Professional Education requirements

Note: A grade of "C" or better in each course is required for state certification.

Teaching Methods and Supervised Teaching courses:

- CTE 335 - Presentation Techniques
- CTE 493 - Supervised Teaching (Career and Technical Education)
- CTE 494 - Supervised Teaching (Career and Technical Education)

- CTE 507 - Student Organizations in Career and Technical Education
- CTE 512 - Teaching Career and Technical Education
- CTE 515 - Organization of Career and Technical Education Programs

Additional Professional Education Required Core and Competencies:

Refer to Teacher Education and Teacher Certification Requirements for additional Professional Education Required Core and Competencies.

Teacher Education Requirements:

This program also requires compliance with Teacher Education and Teacher Certification Requirements for eligibility to enroll in Professional Education courses; admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification.

This program also requires the following for eligibility to enroll in Professional Education courses;

admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.

a. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under major requirements.
b. at least a 3.00 GPA in any additional certificate subject area.
c. at least a 3.00 GPA in the professional education courses which includes all courses in number 1 and 2; and no grade lower than a "C" in all professional education courses.

University level requirements

1. General Education Program and Requirements
2. General Baccalaureate Degree Policies & Requirements

Health Education (certifiable grades 9-12, added endorsement only)

Students who complete the BSEd degree with a major Career and Technical Education may receive Missouri state certification in Health Education grades 9-12 by completing the following courses:

- BMS 307 - Human Anatomy
  OR
- KIN 250 - Applied Human Anatomy

- BMS 308 - Human Physiology
  OR
- KIN 252 - Applied Human Physiology

- CFD 163 - Relationships in Today's Families

- DTN 130 - Social and Behavioral Applications of Human Nutrition
  OR

- DTN 240 - Introduction to Nutrition

- KIN 253 - First Aid
- KIN 256 - Community Health
- KIN 257 - Personal Health
- KIN 358 - Health Education Methods
- PSY 101 - Psychology for Personal Growth
- SWK 330 - Social Work Practice with Addictions

Additional hours of electives in health-related courses

in consultation with their advisor, to bring total to 30 hours.

Certification Requirements:

In order to meet Missouri state teacher certification requirements, student must have at least a 3.00 GPA in the certificate subject area.

Child and Family Development (Comprehensive) (BS)

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 School of Teaching, Learning and Developmental Sciences office during the semester prior to junior year by February 1. 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 school director. 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.

Major requirements

Note: 10 hours may double count toward the General Education requirements.

Major core (39 hours):

- CFD 110 - Health, Safety and Nutrition
- CFD 150 - Introduction to Child and Family Development
- CFD 160 - Principles of Development in Early Childhood
- CFD 163 - Relationships in Today's Families

- CFD 305 - Multicultural Studies in Child and Family Development
- CFD 366 - Preparation for the Professional Internship
- CFD 466 - Internship in Programs for Children, Youth, Adults, and Families
- CFD 557 - Growth and Development: Middle Childhood to Adolescence
- CFD 562 - Prevention of Child Abuse and Neglect
- CFD 563 - Administration of Programs for Children and Families

Specific General Education requirements

- BIO 100 - Biological Science for Educators
  OR
- BIO 101 - Biology in Your World
  AND
- BIO 111 - Laboratory for Biology in Your World

- CFD 155 - Principles of Human Development
- PSY 121 - Introductory Psychology

Public Affairs Capstone Experience will be fulfilled by completion of:

- CFD 466 - Internship in Programs for Children, Youth, Adults, and Families

Support electives:

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).

Grade requirements:

Candidates for the Bachelor of Science in Child and Family Development are required to attain a grade of C or better in each CFD course or any required course for the options required for graduation.

Complete one of the following options:

Child Development (25 hours):

- CFD 250 - Parenting in Contemporary Society
- CFD 255 - Principles of Development in Infancy
- CFD 260 - Observing, Assessing, and Creating Activities for Young Children
- CFD 301 - Play as Development
- CFD 360 - Planning and Implementing Curriculum for Child Development Centers
- CFD 455 - Infants and Toddlers: Development and Program Planning
- CFD 560 - Family Engagement

Child Life (41 hours):

- CFD 260 - Observing, Assessing, and Creating Activities for Young Children

- CFD 301 - Play as Development
- CFD 306 - Death, Separation, and Loss
- CFD 353 - Childhood Illnesses, Injuries, Diseases and Disorders
- CFD 354 - Working with the Hospitalized Child Pre-Internship Experience
- CFD 454 - Therapeutic Play Activities for Hospitalized Children Pre-Internship Experience
- CFD 455 - Infants and Toddlers: Development and Program Planning
- CFD 499 - Practicum in Child and Family Development (3 hours)
- CFD 510 - Child Life Theory and Practice
- CFD 560 - Family Engagement
- CFD 580 - Introduction to Research in Child and Family Development
- IPE 599 - Health Literacy in the Human Services
- LLT 102 - Scientific and Medical Terminology

Family Studies (25 hours):

- CFD 250 - Parenting in Contemporary Society
- CFD 361 - Principles of Family Development
- CFD 306 - Death, Separation, and Loss
  OR
- CFD 365 - Families in Later Life
- CFD 532 - Family Advocacy
- CFD 533 - Principles of Family Life Education
- CFD 534 - Applied Interpersonal Communication Skills
- CFD 560 - Family Engagement
- CTE 373 - Family Economics

Youth Development (21 hours):

- CFD 250 - Parenting in Contemporary Society
- CFD 260 - Observing, Assessing, and Creating Activities for Young Children
- CFD 301 - Play as Development
- CFD 360 - Planning and Implementing Curriculum for Child Development Centers
- CFD 505 - Trends and Issues in Youth Development
- CFD 560 - Family Engagement

Total Credit Hours: 60-80

University level requirements

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Child Life Studies

Eligible students in this major may apply to the Master of Science in Child Life Studies program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Early Childhood Education (BSEd)

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

All students must be admitted to Teacher Education. Refer to Teacher Education for application procedures.

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 grade of "C" or higher in all courses listed under Specific courses
2. a combined (Missouri State and transfer) GPA of 3.00 or higher across all courses listed under Professional Education; and a grade of "C" or higher in all courses listed under Professional Education (except courses in Teaching and Supporting Learning of the Young Child; and Field and Clinical Experiences, which requires a grade of "B" or higher).

Additionally, students must earn a composite score or super score of 20 or higher 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 Department of Elementary and Secondary Education (MoDESE).

All students must be admitted to Teacher Education and have successfully completed Supervised Teaching in order to earn this degree. Refer to Teacher Education for application procedures.

Program requirements

Specific courses required

for major and/or certification which may be used to satisfy General Education Requirements:

Focus on Written Communication (6 hours):

Completion of general education requirement with a grade of "C" or better:

- ENG 110 - Writing I
- ENG 210 - Writing II: Writing Across the Disciplines

Focus on Quantitative Literacy:

Completion of general education requirement with a grade of "C" or better

- MTH 130 - Contemporary Mathematics recommended.

Focus on Oral Communication:

Completion of general education requirement with a grade of "C" or better:

- COM 115 - Fundamentals of Public Speaking

Focus on Life Sciences:

Completion of general education requirement with a grade of "C" or better:

- BIO 100 - Biological Science for Educators

Focus on Physical Sciences:

Completion of general education requirement with a grade of "C" or better: Choose one course from

- PHY 101 - Physics by Inquiry for Educators
- GLG 110 - Principles of Geology
- GLG 114 - Earth: The Survival Guide
- GRY 142 - Earth's Natural Environment
- GRY 135 - Principles of Weather and Climate

Focus on Social and Behavioral Sciences:

Completion of general education requirement with a grade of "C" or better:

- PSY 121 - Introductory Psychology

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 - Survey of the History of the United States to 1877
  OR
- HST 122 - Survey of the History of the United States since 1877
- PLS 101 - American Democracy and Citizenship

Professional Education Degree Requirements for Teacher Certification

Content Planning and Instruction.

Completion of requirement with a grade of "C" or better:

- LTC 318 - Foundations of Literacy Instruction

Individual Student Needs.

Completion of requirement with a grade of "C" or better:

- CFD 160 - Principles of Development in Early Childhood
- SPE 310 - Introduction to Special Education
- SPE 523 - Curriculum and Methods in Early Childhood Special Education
- ECE 315 - Classroom Management and Positive Guidance in the Early Childhood Classroom
- EDC 345 - Introduction to Multicultural Education and Diversity
- PSY 360 - Educational Psychology

Schools and the Teaching Profession.

Completion of the requirement with a grade of "C" or better:

- ECE 304 - Introduction to Early Childhood Education

Teaching and Supporting Learning of the Young Child (minimum of 30 hours).

Completion of requirements with a grade of "B" or higher:

- CFD 260 - Observing, Assessing, and Creating Activities for Young Children
- CFD 455 - Infants and Toddlers: Development and Program Planning
- CSD 312 - Normal Language Acquisition
- ECE 301 - Emerging Literacy and Communication Arts
- ECE 302 - Social Studies and Sociomoral Development
- ECE 303 - Mathematics and Science for Young Children
- ECE 401 - Curriculum For Early Childhood Education
- ECE 402 - Assessing Young Children
- ECE 403 - Integrated Arts in the Early Childhood Curriculum
- LTC 420 - Methods of Assessing and Personalizing Reading and Writing
- LTC 421 - Practicum-Methods of Assessing and Personalizing Reading and Writing

Home-School-Community Relations (minimum of 6 hours).

Completion of requirement with a grade of "C" or better:

- CFD 560 - Family Engagement
- ECE 501 - Home/School/Community Relationships with Young Children and Their Families

Program Management (minimum of 6 hours).

Completion of requirement with a grade of "C" or better:

- CFD 110 - Health, Safety and Nutrition
- CFD 563 - Administration of Programs for Children and Families

Field and Clinical Experiences (minimum of 12 hours).

Completion of requirement with a grade of "B" or better:

- ECE 495 - Supervised Teaching in Early Childhood Education
- ECE 496 - Supervised Teaching in Early Childhood Education

Public Affairs Capstone Experience will be fulfilled by completion of:

- ECE 401 - Curriculum For Early Childhood Education

Teacher Education Requirements:

This program also requires compliance with Teacher Education and Teacher Certification Requirements for eligibility to enroll in Professional Education courses; admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification.

University level requirements

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Elementary Education (BSEd)

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 wit hit 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 Teacher Education. Refer to Teacher Education for application procedures.

Degree requirements

In order to meet Missouri state teacher certification requirements and MSU Elementary Education program 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 grade of "C" or higher in all courses listed under Specific courses required for major and/or certification; and Degree Requirements for Teacher Certification below (MSU Elementary Education program requirement).
2. 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 Professional Education below (The state requirement is a 3.00 or higher in professional education coursework. The B or better is an MSU Elementary Education program requirement).

Additionally, students must earn a composite score or super score of 20 or higher 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 Department of Elementary and Secondary Education (MoDESE).

All students must be admitted to Teacher Education and have successfully completed Supervised Teaching in order to earn this degree. Refer to Teacher Education 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 Department of Elementary and Secondary Education (MoDESE) 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, ELE 501, ELE 510, ELE 530 , and EDT 520. 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

Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:

Focus on Written Communication:

- ENG 105 - Writing I with Studio with a grade of "C" or higher.
  OR
- ENG 110 - Writing I with a grade of "C" or higher.

Focus on Written Communication and Integrative and Applied Learning (3 hours) with a grade of "C" or higher:

Any course from the General Education Focus on Written Communication and Integrative and Applied Learning with a grade of "C" or higher.

Focus on Quantitative Literacy:

Completion of general education requirement with a grade of "C" or higher.

- MTH 130 - Contemporary Mathematics
  OR
- MTH 134 - Algebraic Reasoning and Modeling
  recommended with a grade of "C" or higher.

Focus on Oral Communication:

- COM 115 - Fundamentals of Public Speaking with a grade of "C" or higher.

Focus on Life Sciences:

- BIO 100 - Biological Science for Educators with a grade of "C" or higher.

Focus on Physical Sciences:

- PHY 101 - Physics by Inquiry for Educators with a grade of "C" or higher.
  OR
- CHM 116 - Fundamentals of Chemistry **AND** with a grade of "C" or higher.
- CHM 117 - Fundamentals of Chemistry Laboratory
  with a grade of "C" or higher.

Focus on Social and Behavioral Sciences:

- PSY 121 - Introductory Psychology with a grade of "C" or higher.
  OR
- CFD 155 - Principles of Human Development with a grade of "C" or higher.

Focus on Constitution of U.S. and Missouri and American History and Institutions:

- HST 121 - Survey of the History of the United States to 1877 recommended with a grade of "C" or higher.
  OR
- HST 122 - Survey of the History of the United States since 1877 recommended with a grade of "C" or higher.
- PLS 101 - American Democracy and Citizenship with a grade of "C" or higher.

Degree Requirements for Teacher Certification

Mathematics:

- MTH 320 - Foundations of Mathematics for Teachers with a grade of "C" or higher.
- MTH 360 - Foundations of Geometry for Teachers with a grade of "C" or higher.

Earth Science:

- GRY 240 - Earth Science for Teachers with a grade of "C" or higher.

Professional Education

A grade of "B" or higher in each course is required.

Foundations of Teaching:

- EDC 345 - Introduction to Multicultural Education and Diversity
- ELE 302 - Introduction to Elementary Education and Clinical/Field Experience
- PSY 360 - Educational Psychology
- SPE 310 - Introduction to Special Education

Teaching Methods:

- EDT 365 - Educational Applications of Technology and Media

- EDT 520 - Technologies in a Contemporary School Setting
- ELE 410 - Teaching and Learning in the Elementary Classroom
- ELE 425 - Methods of Teaching Communication Arts in Elementary Schools
- ELE 429 - Methods of Teaching of Mathematics in Elementary Schools
- ELE 434 - Methods of Teaching Science in Elementary Schools
- ELE 438 - Methods of Teaching Social Studies in Elementary Schools
- ELE 500 - Current Issues and Applications in Elementary Education
- ELE 501 - Home/School/Community Relationships with Elementary Children and their Families
- ELE 510 - The Reflective Practitioner
- ELE 530 - Teaching Multilingual Learners in the Elementary Classroom
- ENG 334 - Literature for Children
- LTC 318 - Foundations of Literacy Instruction
- LTC 420 - Methods of Assessing and Personalizing Reading and Writing
- LTC 421 - Practicum-Methods of Assessing and Personalizing Reading and Writing

Supervised Teaching:

- ELE 495 - Supervised Teaching (Elementary)
- ELE 496 - Supervised Teaching (Elementary)

Total Credit Hours: 65

Public Affairs Capstone Experience will be fulfilled by completion of:

- ELE 500 - Current Issues and Applications in Elementary Education
- ELE 510 - The Reflective Practitioner

Teacher Education Requirements:

This program also requires compliance with Teacher Education and Teacher Certification Requirements for eligibility to enroll in Professional Education courses; admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification.

University level requirements

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Family and Consumer Sciences (BSEd)

Major requirements (50 hours):

Note: 10 hours may double count toward General Education requirements.

- CFD 155 - Principles of Human Development
- CFD 160 - Principles of Development in Early Childhood

- CFD 163 - Relationships in Today's Families
- CFD 250 - Parenting in Contemporary Society
- CFD 361 - Principles of Family Development
- CTE 110 - Housing, Environments, and Design
- CTE 120 - Family Health and Nutrition
- CTE 301 - Textiles, Apparel, and Fashion
- CTE 335 - Presentation Techniques
- CTE 373 - Family Economics
- CTE 472 - Resource Management Theory and Practicum
- CTE 507 - Student Organizations in Career and Technical Education
- HSP 210 - Essentials of Hospitality Leadership
- HSP 218 - Safety and Sanitation
- HSP 321 - Principles of Food Preparation

Specific General Education Requirements:

- PSY 121 - Introductory Psychology

- BIO 101 - Biology in Your World **AND**
- BIO 111 - Laboratory for Biology in Your World
  OR
- BIO 121 - General Biology I
  OR
- BMS 110 - Introduction to Human Biology **AND**
- BMS 111 - Introduction to Human Biology Laboratory

Public Affairs Capstone Experience will be fulfilled by completion of:

- CTE 472 - Resource Management Theory and Practicum

Professional Education requirements (36 hours):

Note: A grade of "C" or better in each course is required for state certification.

Teaching Methods and Supervised Teaching courses

- CTE 493 - Supervised Teaching (Career and Technical Education)
- CTE 494 - Supervised Teaching (Career and Technical Education)
- CTE 507 - Student Organizations in Career and Technical Education
- CTE 512 - Teaching Career and Technical Education
- CTE 515 - Organization of Career and Technical Education Programs

Additional Professional Education Required Core and Competencies (17 hours):

Refer to Teacher Education and Teacher Certification Requirements for additional Professional Education Required Core and Competencies

Teacher Education Requirements:

This program also requires compliance with Teacher Education and Teacher Certification Requirements requirements for eligibility to enroll in Professional Education courses; admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.

a. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under major requirements.
b. at least a 3.00 GPA in any additional certificate subject area.
c. at least a 3.00 GPA in the professional education courses which includes all courses in Teaching Methods and Supervised Teaching; and Additional Professional Education Required Core and Competencies; and no grade lower than a "C" in all professional education courses.

University level requirements

1. General Education Program & Requirements
2. General Baccalaureate Degree Requirements

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 - Human Anatomy
  OR
- KIN 250 - Applied Human Anatomy

- BMS 308 - Human Physiology
  OR
- KIN 252 - Applied Human Physiology or equivalents
- CFD 163 - Relationships in Today's Families
- DTN 130 - Social and Behavioral Applications of Human Nutrition
  OR
- DTN 240 - Introduction to Nutrition
- KIN 253 - First Aid
- KIN 256 - Community Health
- KIN 257 - Personal Health
- KIN 358 - Health Education Methods
- PSY 101 - Psychology for Personal Growth
- SWK 330 - Social Work Practice with Addictions

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 Secondary Education/Family and Consumer Sciences

Eligible students in this major may apply to the Master of Science in Education in Secondary Education/Family and Consumer Sciences program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Middle School Education (BSEd)

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 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under B and C.
2. at least a 3.00 GPA in any additional certificate subject area.
3. at least a 3.00 GPA in the professional education courses and a grade of "B" or better in all professional education courses which includes all courses listed under Program Requirements - Section 3.

All students must be admitted to Teacher Education and have successfully completed Supervised Teaching in order to earn this degree. Refer to Teacher Education for application procedures.

Program requirements

Specific courses required for major and/or certification which may be used to satisfy General Education Requirements:

Focus on Written Communication (6 hours):

- ENG 110 - Writing I
- ENG 210 - Writing II: Writing Across the Disciplines

Focus on Quantitative Literacy:

Completion of general education requirement with a grade of "C" or better.

- MTH 130 - Contemporary Mathematics recommended.

Focus on Oral Communication:

- COM 115 - Fundamentals of Public Speaking with a grade of "C" or better.

Focus on Life Sciences:

- BIO 100 - Biological Science for Educators

Focus on Physical Sciences:

- PHY 101 - Physics by Inquiry for Educators

Focus on Social and Behavioral Sciences:

- PSY 121 - Introductory Psychology

Note:

ECO 155 cannot be double-counted if Social Science is chosen as an area of subject matter option.

Focus on Cultural Competence:

- GRY 100 - World Regional Geography is required if Social Science is chosen as an area of subject matter option.

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 - Art in Context recommended.
  OR
- MUS 241 - The Language of Music recommended.

Focus on Constitution of U.S. and Missouri and American History and Institutions (6 hours):

- HST 121 - Survey of the History of the United States to 1877
  OR
- HST 122 - Survey of the History of the United States since 1877
- PLS 101 - American Democracy and Citizenship

Area of Subject Matter Options

Students must complete one of the following program options. This requirement is met by combining coursework required for General Education and additional hours in the content area option. General Education requirements are noted. Courses noted with an asterisk are those that cannot be double-counted toward both General Education requirements and the program option.

Language Arts Option (24 hours):

- ENG 110 - Writing I **General Education Course**
- ENG 210 - Writing II: Writing Across the Disciplines **General Education Course**

- ENG 338 - Literature for Young Adults
- ENG 390 - Modern English Grammar
- ENG 520 - Composition and Rhetoric in High School and Junior College
  OR
- ENG 521 - Writing for Teachers

Three courses from:

- ENG 235 - Critical Approaches to Literature
- ENG 296 - Introduction to Linguistics
- ENG 340 - Survey of English Literature I
- ENG 341 - Survey of English Literature II
- ENG 350 - Survey of American Literature I
- ENG 351 - Survey of American Literature II
- ENG 354 - Ethnic American Literature
- ENG 355 - African American Literature

Mathematics Option (24-26 hours):

- MTH 130 - Contemporary Mathematics **General Education Course**
- MTH 320 - Foundations of Mathematics for Teachers
- MTH 343 - Foundations of Probability and Statistics for Teachers
- MTH 360 - Foundations of Geometry for Teachers
- MTH 377 - Mathematical Processes
- MTH 478 - Mathematical Modeling for Teachers
- MTH 479 - Mathematical Tools and Structures

One course from:

- MTH 134 - Algebraic Reasoning and Modeling
- MTH 136 - Precalculus 1
- MTH 137 - Precalculus 2
- MTH 138 - Pre-Calculus Mathematics

Science Option (24 hours):

- BIO 100 - Biological Science for Educators **General Education Course**
- CHM 116 - Fundamentals of Chemistry **General Education Course**
- CHM 117 - Fundamentals of Chemistry Laboratory **General Education Course**
- GRY 108 - Principles of Sustainability **General Education Course**
- GRY 240 - Earth Science for Teachers **General Education Course**
- PHY 101 - Physics by Inquiry for Educators **General Education Course**

- AST 115 - Basic Astronomy **General Education Course**
  OR
- BIO 122 - General Biology II **General Education Course**
  OR

- GLG 110 - Principles of Geology **General Education Course**
  OR
- GRY 135 - Principles of Weather and Climate **General Education Course**

Social Sciences Option (24 hours):

- GRY 100 - World Regional Geography **General Education Course**
- HST 121 - Survey of the History of the United States to 1877 **General Education Course**
- HST 122 - Survey of the History of the United States since 1877 **General Education Course**
- PLS 101 - American Democracy and Citizenship **General Education Course**
- HST 103 - World History to Circa 1600 C.E. *
- HST 104 - World History since 1600 C.E. *
- ECO 155 - Principles of Macroeconomics *

*** Cannot be double-counted toward both General Education requirements and the program option.**

One course from:

- HST 324 - Women in American History
- HST 331 - African American History I
- HST 335 - African Civilization
- HST 343 - Ancient Rome
- HST 350 - Latin American Civilization
- HST 369 - Ancient Civilizations of the Mediterranean and Middle East
- HST 380 - Premodern East Asia
- HST 381 - Modern East Asia

Professional Education (50-51 hours):

Note: A grade of "B" or better in each course is required.

Foundations of Teaching:

- EDC 345 - Introduction to Multicultural Education and Diversity
- EDC 350 - School and Society
- EDT 365 - Educational Applications of Technology and Media
- EDT 520 - Technologies in a Contemporary School Setting
- PSY 360 - Educational Psychology
- SPE 340 - Educational Alternative for Exceptional Students

Teaching Methods:

- LTC 474 - Reading and Writing in the Content Fields
- LTC 574 - Analysis and Correction of Difficulties in Adolescent Literacy
- MID 400 - Philosophy, Curriculum, and Organization of Middle School Education
- SFR 486 - Management and Assessment in the Middle and Secondary Classroom

Complete a content area methods course related to option chosen above:

Language Arts

- ENG 405 - Teaching of Middle and High School English

Mathematics

- MTH 409 - Teaching and Learning of Mathematics I

Science

- SCI 404 - Teaching of Middle School Natural Science

Social Sciences

- HST 418 - Methods of Teaching Secondary Social Studies II

Clinical Experiences:

- SEC 302 - General Methods of Instruction in the Middle and Secondary Schools
- MID 425 - Middle School Curriculum and Instruction
- MID 439 - Middle School Instructional Strategies and Field Experience
- MID 493 - Supervised Teaching (Middle School)
- MID 494 - Supervised Teaching (Middle School)

Beginning teaching methods/field experience

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.

- EDC 150 - Transitional Pathway: Education

Public Affairs Capstone Experience will be fulfilled by completion of:

- MID 493 - Supervised Teaching (Middle School)
- MID 494 - Supervised Teaching (Middle School)

Teacher Education Requirements:

This program also requires compliance with Teacher Education and Teacher Certification Requirements for eligibility to enroll in Professional Education courses; admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification.

University level requirements

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Special Education/Cross Categorical (BSEd)

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 School of Special Education, Leadership and Professional Studies 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 post baccalaureate 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 school director of Special Education, Leadership and Professional Studies, the student may be dismissed from the program or may be prevented from taking additional special education certification classes.

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 for degree completion.

All major GPA requirements are a combination of Missouri State and transfer grades included in description of Professional Education coursework.

1. Major GPA of 3.00 or higher.
2. A grade of "B" or better in all Professional Education courses.

Additionally, students must earn a composite score or super score of 20 or higher 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 Department of Elementary and Secondary Education (MoDESE) .

All students must be admitted to Teacher Education and have successfully completed Supervised Teaching in order to earn this degree. Refer to Teacher Education for application procedures. A summary of admission requirements for Special Education majors includes the following:

1. Completed at least 30 semester hours of university coursework.
2. Earned a composite score or super score of 20 or higher 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 better in COM 115.
4. Earned a grade of "B" or better in SPE 310.
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 Professional Disposition Checklist and Student Contract.

Program requirements

Specific courses required for major and/or certification:

May be used to satisfy General Education Requirements:

Focus on Written Communication and Information Literacy:

- ENG 110 - Writing I

Focus on Written Communication and Integrative and Applied Learning:

Completion of general education requirement with a grade of "C" or better.

- ENG 210 - Writing II: Writing Across the Disciplines

Focus on Quantitative Literacy:

Completion of general education requirement with a grade of "C" or better.

- MTH 130 - Contemporary Mathematics recommended.

Focus on Oral Communication:

- COM 115 - Fundamentals of Public Speaking

Focus on Life Sciences:

- BIO 100 - Biological Science for Educators

Focus on Physical Sciences:

- PHY 101 - Physics by Inquiry for Educators

Focus on Social and Behavioral Sciences:

- PSY 121 - Introductory Psychology

Focus on Constitution of U.S. and Missouri and American History and Institutions:

- HST 121 - Survey of the History of the United States to 1877
  OR
- HST 122 - Survey of the History of the United States since 1877
- PLS 101 - American Democracy and Citizenship

Degree Requirements for Teacher Certification

Mathematics:

- MTH 320 - Foundations of Mathematics for Teachers

English:

- ENG 334 - Literature for Children

Professional Education (82 hours)

Note: A grade of "B" or better in each course is required for program approval of coursework toward degree and certification.

Foundations of Teaching:

- EDC 345 - Introduction to Multicultural Education and Diversity
- PSY 360 - Educational Psychology
- SPE 310 - Introduction to Special Education
- SPE 320 - Introduction to Teaching Cross Categorical Special Education
- SPE 345 - Educational Evaluation of Exceptional Students
- SPE 346 - Educational Evaluation of Exceptional Students Lab
- SPE 525 - Introduction to Teaching and Assessing Students with Autism Spectrum Disorders

Teaching Methods:

- EDT 365 - Educational Applications of Technology and Media
- LTC 318 - Foundations of Literacy Instruction
- LTC 420 - Methods of Assessing and Personalizing Reading and Writing
- LTC 421 - Practicum-Methods of Assessing and Personalizing Reading and Writing
- SPE 450 - Methods of Teaching Mathematics to Exceptional Individuals
- SPE 515 - Foundations of Applied Behavior Analysis and Interventions for Teachers in Applied Settings
- SPE 516 - Application of Applied Behavior Analysis and Interventions in Applied Settings
- SPE 517 - Direct Instruction in Reading and Language Arts
- SPE 519 - Methods I: Cognitive and Behavioral Teaching Approaches for Exceptional Learners
- SPE 521 - Methods II: Functional Living Skills and Health Issues
- SPE 550 - Career/Vocational Education and Transition
- SPE 560 - Working with Families of Exceptional Individuals
- SPE 579 - Application of Technology in Special Education
- SPE 584 - Language Development of Exceptional Students

Field and Clinical Experiences:

- SPE 322 - Introduction to Teaching Cross-Categorical Special Education-Practicum
- SPE 497 - Practicum: K-12 Cross-Categorical Special Education
- SPE 495 - Supervised Teaching-Special Education

- SPE 496 - Seminar: Supervised Teaching-Special Education
- SPE 499 - Clinical Experiences in Teaching II

Public Affairs Capstone Experience will be fulfilled by completion of:

- SPE 495 - Supervised Teaching-Special Education
  OR
- SPE 499 - Clinical Experiences in Teaching II

Teacher Education Requirements:

This program also requires compliance with Teacher Education and Teacher Certification Requirements for eligibility to enroll in Professional Education courses; admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification.

University level requirements

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Minors

Child and Family Development Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science
Bachelor of Social Work

Minor Requirements

Six hours from the following, with approval of a CFD advisor:

- CFD 155 - Principles of Human Development
- CFD 160 - Principles of Development in Early Childhood
- CFD 163 - Relationships in Today's Families

12 additional hours

from any CFD course or CTE 373 with approval of a CFD advisor to bring total to at least 18 hours in the minor.

General Family and Consumer Sciences Minor

Major Degree Type

Bachelor of Arts

Minor Requirements BA

15 hours from:

- CFD 160 - Principles of Development in Early Childhood
- CFD 163 - Relationships in Today's Families
- DTN 130 - Social and Behavioral Applications of Human Nutrition
- CTE 301 - Textiles, Apparel, and Fashion
- HSP 218 - Safety and Sanitation
- HSP 321 - Principles of Food Preparation
- IDC 140 - Fundamentals of Design and Interiors

Major Degree Type

Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

Minor Requirements BS, BSED

- CFD 163 - Relationships in Today's Families
- CTE 301 - Textiles, Apparel, and Fashion
- DTN 130 - Social and Behavioral Applications of Human Nutrition
- HSP 218 - Safety and Sanitation
- HSP 321 - Principles of Food Preparation
- IDC 140 - Fundamentals of Design and Interiors

Additional hours from CFD, CTE, HSP, or IDC to bring total to at least 24 hours.

Literacy Minor

Major Degree Type

Bachelor of Science in Education (Non-Certifiable)

Minor Requirements

- LTC 318 - Foundations of Literacy Instruction
  OR
- LTC 474 - Reading and Writing in the Content Fields

- LTC 420 - Methods of Assessing and Personalizing Reading and Writing
- LTC 421 - Practicum-Methods of Assessing and Personalizing Reading and Writing

- LTC 540 - Analysis and Correction of Difficulties in Literacy
- ENG 334 - Literature for Children

Additional electives from the following to bring total to 23 hours in the minor:

- LTC 318 - Foundations of Literacy Instruction
  OR
- LTC 474 - Reading and Writing in the Content Fields **if not counted above.**

- LTC 560 - Diversity Issues in Literacy and Content Area Instruction
  OR
- LTC 565 - Cultural Diversity in Literacy and Instruction: Classrooms and Community

- LTC 573 - Psychology of Global Literacies
- LTC 580 - Successful Classroom Communities to Enhance Student Learning *****
- LTC 585 - Techniques of Responsive Support in the Literacy Classroom *****

- ENG 338 - Literature for Young Adults
  OR
- ENG 536 - Young Adult Novel

- PSY 331 - Psychology of Childhood
- PSY 441 - Psychology of Adolescence *
- SPE 584 - Language Development of Exceptional Students
  OR
- CSD 312 - Normal Language Acquisition
- PSY 508 - Introduction to Applied Behavior Analysis *
  OR
- SPE 515 - Foundations of Applied Behavior Analysis and Interventions for Teachers in Applied Settings
- **or other electives approved by the department.**

Note:

*Courses may be applied toward teacher certification in Special Reading (K-12). Additional coursework will be required for teacher certification.

Sign Language Studies Minor

Major Degree Type

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

Minor Requirements

- SPE 301 - Conceptually Accurate Signed English I
- SPE 302 - Conceptually Accurate Signed English II
- SPE 311 - Introduction to American Sign Language (ASL)
- SPE 312 - American Sign Language (ASL) II
- SPE 313 - American Sign Language (ASL) III
- SPE 314 - American Sign Language (ASL) IV in consultation with CSD advisor.

Note:

SPE 301 must be taken prior to SPE 302. SPE 311-SPE 314 must be taken in sequence.

Special Education Minor

Major Degree Type

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

Admission requirements

Admission into the minor in Special Education requires 30 hours, 2.50 GPA, and completion of SPE 310 with grade of C or better. A total of 18 credit hours beyond SPE 310 is required for the minor in Special Education. This minor does NOT fulfill requirements for educator certification in K-12 mild/moderate special education.

Course requirements

- SPE 320 - Introduction to Teaching Cross Categorical Special Education
- SPE 345 - Educational Evaluation of Exceptional Students
- SPE 346 - Educational Evaluation of Exceptional Students Lab

Nine hours from:

- SPE 519 - Methods I: Cognitive and Behavioral Teaching Approaches for Exceptional Learners
- SPE 521 - Methods II: Functional Living Skills and Health Issues

- SPE 550 - Career/Vocational Education and Transition
- SPE 560 - Working with Families of Exceptional Individuals
- SPE 579 - Application of Technology in Special Education
- PSY 360 - Educational Psychology

Certificates

Environmental STEM for Teachers Certificate

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

One life science or physical science course (3-4 hours)

from astronomy, biology, biomedical sciences, chemistry, geography, geology or physics.

- BIO 100 - Biological Science for Educators is recommended.

Three courses from:

- EEM 516 - Nature Unfolds
- EEM 517 - Nature Unleased
- EEM 518 - Project Wet, WILD, and Learning Tree
- EEM 519 - Nature Unhooked: Conserving Missouri's Aquatic Ecosystems

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12-13

Infant and Toddler Development Certificate

This certificate is designed to provide students with the specialized training for working with infants and toddlers in a child care setting. Students who complete this certificate will better understand infant and toddler development and will be equipped to plan for supporting the growth and development of infants and toddlers.

Program requirements

- CFD 110 - Health, Safety and Nutrition
- CFD 160 - Principles of Development in Early Childhood
- CFD 255 - Principles of Development in Infancy
- CFD 455 - Infants and Toddlers: Development and Program Planning

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 13

International Perspectives in K-12 Special Education Certificate

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 education abroad 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.

Program requirements

One introductory course in special education:

- SPE 310 - Introduction to Special Education
  OR
- SPE 340 - Educational Alternative for Exceptional Students

One course in diversity and education or child and family development:

- EDC 345 - Introduction to Multicultural Education and Diversity
  OR
- CFD 305 - Multicultural Studies in Child and Family Development

One course in International Approaches to K-12 Special Education

that incorporates a Education Abroad experience involving special education:

- SPE 540 - International Experiences in K-12 Special Education - Education Abroad

Note:

For international candidates who seek the certificate through contracted partnerships with Missouri State University, the SPE 540 - International Experiences in K-12 Special Education - Education Abroad will be provided in the Southwest Missouri region.

One course in the General Education Focus on Cultural Competence:

- ANT 100 - World Cultures
- ENG 289 - Literature, Culture, and Social Justice
- GRY 100 - World Regional Geography
- IDS 297 - International Culture and Study Abroad
- LCR 100 - Language and Culture in Global Context
- LLT 180 - From Hero to Superhero
- MTH 121 - Multicultural Views of History and Mathematics
- REL 100 - Introduction to Religion
- REL 110 - World Religions
- SWK 219 - Human Diversity

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 credit hours, students may select related electives as approved by the Special Education Program Coordinator or school director. Recommended electives include, but are not limited to SPE 300 (1 hour) or DAS 100 (3 hours).

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

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.

Working with Families Certificate

This certificate is designed to provide students with the specialized training for working with families. Students who complete this certificate will better understand family systems and be equipped to provide high-quality support to families.

Program requirements

- CFD 163 - Relationships in Today's Families
- CFD 250 - Parenting in Contemporary Society
- CFD 305 - Multicultural Studies in Child and Family Development
- CFD 361 - Principles of Family Development
- CFD 560 - Family Engagement

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 15

Working with Preschoolers Certificate

This certificate is designed to provide students with the specialized training for individuals working with children ages 3-5 in a preschool setting. Students who complete this certificate will better understand the development of preschool children and will be equipped to plan for supporting the growth and development of preschool age children.

Program requirements

- CFD 110 - Health, Safety and Nutrition
- CFD 160 - Principles of Development in Early Childhood
- CFD 260 - Observing, Assessing, and Creating Activities for Young Children
- CFD 360 - Planning and Implementing Curriculum for Child Development Centers

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 15

College of Natural and Applied Sciences

Academic Units

Schools

- School of Earth, Environment and Sustainability

Departments

- Department of Biology
- Department of Chemistry and Biochemistry
- Department of Computer Science
- Department of Mathematics
- Department of Physics, Astronomy and Materials Science

Program

- Cooperative Engineering Program (Missouri University Science and Technology)

Centers/Departments

- Baker Observatory
- Bull Shoals Field Station
- Center for Resource Planning and Management
- Ozarks Environmental and Water Resources Institute

Contact

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Majors

Biology (Comprehensive) (BS)

Major Requirements

Major Core:

Consult options below before selecting courses.

- BIO 121 - General Biology I
- BIO 122 - General Biology II

- BIO 235 - Genetics
- BIO 236 - Genetics Laboratory
- BIO 302 - Biology Seminar
- BIO 492 - Biology Program Assessment
- BIO 550 - Statistical Methods for Biologists
- PHY 123 - Introduction to Physics I
  OR
- PHY 203 - Foundations of Physics I

- PHY 124 - Introduction to Physics II
  OR
- PHY 204 - Foundations of Physics II
- MTH 137 - Precalculus 2
  OR
- MTH 138 - Pre-Calculus Mathematics
  OR
- eligibility for MTH 261 on mathematics placement test.
- BIO 312 - Microbiology **AND**
- BIO 313 - Microbiology Laboratory
  OR
- BIO 320 - Cellular and Molecular Biology
  OR
- BIO 361 - General Physiology
  OR
- BIO 544 - Plant Physiology
- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory
  OR
- CHM 160 - General Chemistry I **AND**
- CHM 161 - General Chemistry I Laboratory
- CHM 201 - Essentials of Organic Chemistry **AND**
- CHM 202 - Essentials of Organic Chemistry Laboratory
  OR
- CHM 302 - Introduction to Analytical Chemistry
  OR
- CHM 342 - Organic Chemistry I
  OR
- CHM 343 - Organic Chemistry II

Public Affairs Capstone Experience will be fulfilled by completion of:

- BIO 302 - Biology Seminar
- BIO 492 - Biology Program Assessment

Two Additional Courses From the Following:

Courses may also be used to satisfy option requirements.

- BIO 300 - Service-Learning in Biology
- BIO 355 - Developmental Biology

- BIO 367 - General Ecology
- BIO 370 - Invertebrate Zoology
- BIO 373 - Principles of Wildlife Management
- BIO 398 - Laboratory Internship in Biology
- BIO 399 - Cooperative Education in Biology
- BIO 485 - Marine Conservation
- BIO 498 - Honors Senior Project
- BIO 499 - Undergraduate Research
- BIO 501 - Natural History Museum Techniques
- BIO 505 - Human Nature
- BIO 508 - Environmental Microbiology
- BIO 509 - Stream Ecology
- BIO 511 - Immunology
- BIO 512 - Industrial Microbiology
- BIO 520 - Pathogenic Microbiology
- BIO 527 - Field Biology
- BIO 539 - Biogeography
- BIO 547 - Water Resources
- BIO 561 - Environmental Issues Education and Interpretation
- BIO 573 - Ornithology
- BIO 574 - Aquatic Entomology
- BIO 575 - Ichthyology
- BIO 576 - Herpetology
- BIO 577 - Mammalogy
- BIO 578 - Behavioral Ecology
- BIO 579 - Conservation Biology
- BIO 584 - Fish Ecology
- BIO 589 - Game Management

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Complete One of the Following Options:

Note: With approval of advisor, up to three hours of the following can be substituted for one of the BIO courses listed in any option: BIO 300, BIO 399, BIO 499, or BIO 597.

Pre-Teacher Education Option

This option is designed for students preparing to enter post-graduate studies to become a high school science teacher. 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.

- BIO 312 - Microbiology
- BIO 313 - Microbiology Laboratory

- BIO 361 - General Physiology
- BIO 367 - General Ecology
- BIO 368 - General Ecology Lab
- BIO 515 - Evolution

Nine Additional Hours of Upper Division Biology Courses.

Related Chemistry Courses:

- CHM 160 - General Chemistry I
- CHM 161 - General Chemistry I Laboratory
- CHM 170 - General Chemistry II
- CHM 171 - General Chemistry II Laboratory
- CHM 201 - Essentials of Organic Chemistry **AND**
- CHM 202 - Essentials of Organic Chemistry Laboratory
  OR
- CHM 302 - Introduction to Analytical Chemistry

Related Science Courses:

- GLG 110 - Principles of Geology
- GRY 135 - Principles of Weather and Climate
- SCI 505 - Intellectual Foundations of Science and Technology

Related Mathematics Requirement: One course from:

- MTH 137 - Precalculus 2
  OR
- eligibility for MTH 261 on Mathematics Placement test.

Total Credit Hours: 72-74

Environmental Biology and Evolution Option

- BIO 367 - General Ecology
- BIO 368 - General Ecology Lab
- BIO 515 - Evolution

One Course in Biodiversity and Evolution:

- BIO 334 - Plant Taxonomy
- BIO 339 - Identification of Woody Plants
- BIO 370 - Invertebrate Zoology

- BIO 371 - Introduction to Entomology
- BIO 380 - Comparative Vertebrate Anatomy
- BIO 530 - Aquatic Botany
- BIO 571 - Comparative Animal Physiology
- BIO 573 - Ornithology
- BIO 574 - Aquatic Entomology
- BIO 575 - Ichthyology
- BIO 576 - Herpetology
- BIO 577 - Mammalogy

The Following Courses Taught During the Summer

at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi:

- BIO 534 - Coastal Vegetation
- BIO 535 - Coastal Vegetation Lab
- BIO 555 - Marine Ichthyology
- BIO 556 - Marine Ichthyology Lab
- BIO 587 - Marine Invertebrate Zoology
- BIO 588 - Marine Invertebrate Zoology Lab

One course in Population Biology:

- BIO 436 - Plant Ecology
- BIO 505 - Human Nature
- BIO 532 - Principles of Fisheries Management
- BIO 540 - Applications of Molecular Markers
- BIO 560 - Population Genetics and Evolutionary Mechanisms
- BIO 563 - Population Ecology
- BIO 567 - Physiological Ecology
- BIO 578 - Behavioral Ecology
- BIO 584 - Fish Ecology
- BIO 589 - Game Management

The following courses taught during the summer

at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi:

- BIO 557 - Marine Fisheries Management
- BIO 558 - Marine Fisheries Management Lab

Three Hours in Community/Ecosystem Biology:

- BIO 373 - Principles of Wildlife Management
- BIO 485 - Marine Conservation
- BIO 504 - Plant-Animal Interactions
- BIO 508 - Environmental Microbiology
- BIO 509 - Stream Ecology

- BIO 533 - Wetland Ecology
- BIO 539 - Biogeography
- BIO 547 - Water Resources
- BIO 562 - Limnology
- BIO 564 - Ozarks Natural Communities
- BIO 579 - Conservation Biology

The Following Courses Taught During the Summer

at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi:

- BIO 537 - Salt Marsh Plant Ecology
- BIO 538 - Salt Marsh Plant Ecology Lab
- BIO 565 - Marine Ecology
- BIO 566 - Marine Ecology Lab

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 - Plant Taxonomy
- BIO 339 - Identification of Woody Plants
- BIO 370 - Invertebrate Zoology
- BIO 436 - Plant Ecology
- BIO 509 - Stream Ecology
- BIO 527 - Field Biology
- BIO 562 - Limnology
- BIO 564 - Ozarks Natural Communities
- BIO 574 - Aquatic Entomology
- BIO 575 - Ichthyology
- BIO 576 - Herpetology
- BIO 577 - Mammalogy
- 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 advisor)

Zero to Eight Hours of Elective BIO Courses

at the level of 300 or higher to total a minimum of 43 hours in biology.

One of the Following Mathematics, Statistics, or Computer Programming Courses:

- MTH 261 - Analytic Geometry and Calculus I
- MTH 287 - Computational Calculus with Analytic Geometry I
- CSC 125 - Introduction to C++ Programming
- CSC 130 - The World of Computer Science
- CSC 587 - Computing for Bioinformatics
- BIO 551 - Experimental Design for Biologists

- PSY 527 - Advanced Psychological Statistical Methods

Related Requirements in Chemistry:

- CHM 160 - General Chemistry I
- CHM 161 - General Chemistry I Laboratory
- CHM 170 - General Chemistry II
- CHM 171 - General Chemistry II Laboratory

One of the Following Related Science Courses:

- AGN 215 - Soils
- ANT 305 - Introduction to Archaeology
- ANT 375 - Human Evolution
- CHM 260 - Principles of Environmental Chemistry
  OR
- CHM 460 - Environmental Chemistry: Water and Land
- GLG 114 - Earth: The Survival Guide
- GRY 351 - Sustainable Management of Natural Resources

One of the Following Related Fields of Study Courses:

- BIO 561 - Environmental Issues Education and Interpretation
- ECO 540 - Environmental, Resource, and Energy Economics
- GEO 363 - Introduction to Geographic Information Science
- LAW 537 - Environmental Regulation
- PHI 302 - Environmental Ethics
- PLS 555 - Public Policy for a Global Environment
- PSY 379 - Environmental Psychology

Total Credit Hours: 72-85

Microbiology and Biotechnology Option

- BIO 312 - Microbiology
- BIO 313 - Microbiology Laboratory
- BIO 320 - Cellular and Molecular Biology

21 additional hours in BIO courses

with a minimum of 18 hours from the following. BMS 524(3) may be substituted for one of these courses. CHM 302(5); or CHM 502(3) and 503(2); or CHM 504(3) and 505(1) may be substituted for one of these courses.

- BIO 355 - Developmental Biology
- BIO 508 - Environmental Microbiology
- BIO 511 - Immunology
- BIO 512 - Industrial Microbiology

- BIO 505 - Human Nature
  OR
- BIO 515 - Evolution
- BIO 517 - Microbial Physiology and Metabolism
- BIO 518 - Regulatory Mechanisms
- BIO 520 - Pathogenic Microbiology
- BIO 530 - Aquatic Botany
- BIO 540 - Applications of Molecular Markers

Related Requirements in Chemistry:

- CHM 160 - General Chemistry I
- CHM 161 - General Chemistry I Laboratory
- CHM 170 - General Chemistry II
- CHM 171 - General Chemistry II Laboratory

- CHM 201 - Essentials of Organic Chemistry **AND**
- CHM 202 - Essentials of Organic Chemistry Laboratory
  OR
- CHM 342 - Organic Chemistry I **AND**
- CHM 345 - Microscale Organic Chemistry Laboratory **AND**
- CHM 343 - Organic Chemistry II
  OR
- CHM 342 - Organic Chemistry I **AND**
- CHM 345 - Microscale Organic Chemistry Laboratory

- CHM 352 - Introduction to Biochemistry
  OR
- CHM 554 - Biochemistry I
  AND
- CHM 556 - Biochemistry II

Total Credit Hours: 71-87

Wildlife and Fisheries Biology Option

- BIO 320 - Cellular and Molecular Biology
  OR
- BIO 361 - General Physiology
- BIO 367 - General Ecology
- BIO 368 - General Ecology Lab

Two Courses in Plant Biology From:

- BIO 334 - Plant Taxonomy
- BIO 339 - Identification of Woody Plants
- BIO 530 - Aquatic Botany

- BIO 544 - Plant Physiology

Three Courses in Animal Biology From:

- BIO 370 - Invertebrate Zoology
- BIO 371 - Introduction to Entomology
- BIO 380 - Comparative Vertebrate Anatomy
- BIO 571 - Comparative Animal Physiology
- BIO 573 - Ornithology
- BIO 574 - Aquatic Entomology
- BIO 575 - Ichthyology
- BIO 576 - Herpetology
- BIO 577 - Mammalogy

Five Hours in Management From:

- BIO 373 - Principles of Wildlife Management
- BIO 485 - Marine Conservation
- BIO 509 - Stream Ecology
- BIO 532 - Principles of Fisheries Management
- BIO 533 - Wetland Ecology
- BIO 562 - Limnology
- BIO 589 - Game Management

Two Courses in Ecology and Evolution From:

- BIO 436 - Plant Ecology
- BIO 504 - Plant-Animal Interactions
- BIO 515 - Evolution
- BIO 539 - Biogeography
- BIO 563 - Population Ecology
- BIO 567 - Physiological Ecology
- BIO 578 - Behavioral Ecology
- BIO 579 - Conservation Biology
- BIO 584 - Fish Ecology

One Course in Human Dimensions From:

- AGN 335 - Soil Conservation and Water Management
- BIO 547 - Water Resources
- BIO 561 - Environmental Issues Education and Interpretation
- CRM 210 - Introduction to the American Criminal Justice System
- ECO 540 - Environmental, Resource, and Energy Economics
- GRY 108 - Principles of Sustainability
- GRY 351 - Sustainable Management of Natural Resources
- PHI 302 - Environmental Ethics
- PLS 555 - Public Policy for a Global Environment

- LAW 537 - Environmental Regulation

One Course in Earth/Environmental Science From:

- AGN 215 - Soils
- CHM 260 - Principles of Environmental Chemistry
- GLG 110 - Principles of Geology
- GRY 142 - Earth's Natural Environment

Total Credit Hours: 68-87

Biology (Non-Comprehensive) (BA)

Major Requirements

- BIO 121 - General Biology I
- BIO 122 - General Biology II
- BIO 235 - Genetics
- BIO 236 - Genetics Laboratory
- BIO 312 - Microbiology **AND**
- BIO 313 - Microbiology Laboratory
  OR
- BIO 320 - Cellular and Molecular Biology
- BIO 367 - General Ecology
- BIO 368 - General Ecology Lab
- BIO 302 - Biology Seminar
- BIO 492 - Biology Program Assessment
- BIO 550 - Statistical Methods for Biologists

Additional 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.

Related Requirements

- CHM 201 - Essentials of Organic Chemistry **AND**
- CHM 202 - Essentials of Organic Chemistry Laboratory
  OR
- CHM 342 - Organic Chemistry I **AND**
- CHM 345 - Microscale Organic Chemistry Laboratory **AND**
- CHM 343 - Organic Chemistry II
- PHY 123 - Introduction to Physics I **AND**

- PHY 124 - Introduction to Physics II
  OR
- PHY 203 - Foundations of Physics I **AND**
- PHY 204 - Foundations of Physics II
- MTH 261 - Analytic Geometry and Calculus I
  OR
- MTH 287 - Computational Calculus with Analytic Geometry I

Public Affairs Capstone Experience will be fulfilled by completion of:

- BIO 367 - General Ecology
- BIO 368 - General Ecology Lab
- BIO 302 - Biology Seminar
- BIO 492 - Biology Program Assessment

One Additional Course From the Following:

Course may also be used to satisfy the elective courses in biology.

- BIO 300 - Service-Learning in Biology
- BIO 355 - Developmental Biology
- BIO 370 - Invertebrate Zoology
- BIO 373 - Principles of Wildlife Management
- BIO 398 - Laboratory Internship in Biology
- BIO 399 - Cooperative Education in Biology
- BIO 485 - Marine Conservation
- BIO 498 - Honors Senior Project
- BIO 499 - Undergraduate Research
- BIO 501 - Natural History Museum Techniques
- BIO 505 - Human Nature
- BIO 508 - Environmental Microbiology
- BIO 509 - Stream Ecology
- BIO 511 - Immunology
- BIO 512 - Industrial Microbiology
- BIO 520 - Pathogenic Microbiology
- BIO 527 - Field Biology
- BIO 539 - Biogeography
- BIO 547 - Water Resources
- BIO 561 - Environmental Issues Education and Interpretation
- BIO 573 - Ornithology
- BIO 574 - Aquatic Entomology
- BIO 575 - Ichthyology
- BIO 576 - Herpetology
- BIO 577 - Mammalogy
- BIO 578 - Behavioral Ecology
- BIO 579 - Conservation Biology
- BIO 584 - Fish Ecology
- BIO 589 - Game Management

Minor Required (or Second Major).

Total Credit Hours: 48-55

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Biology (Non-Comprehensive) (BS)

Major Requirements

- BIO 121 - General Biology I
- BIO 122 - General Biology II
- BIO 235 - Genetics
- BIO 236 - Genetics Laboratory
- BIO 312 - Microbiology **AND**
- BIO 313 - Microbiology Laboratory
  OR
- BIO 320 - Cellular and Molecular Biology
- BIO 367 - General Ecology
- BIO 368 - General Ecology Lab
- BIO 302 - Biology Seminar
- BIO 492 - Biology Program Assessment
- BIO 550 - Statistical Methods for Biologists

Additional 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.

Related Requirements

- CHM 201 - Essentials of Organic Chemistry **AND**
- CHM 202 - Essentials of Organic Chemistry Laboratory
  OR
- CHM 342 - Organic Chemistry I **AND**
- CHM 345 - Microscale Organic Chemistry Laboratory **AND**
- CHM 343 - Organic Chemistry II
- PHY 123 - Introduction to Physics I **AND**
- PHY 124 - Introduction to Physics II
  OR

- PHY 203 - Foundations of Physics I **AND**
- PHY 204 - Foundations of Physics II
- MTH 261 - Analytic Geometry and Calculus I
  OR
- MTH 287 - Computational Calculus with Analytic Geometry I

Public Affairs Capstone Experience will be fulfilled by completion of:

- BIO 367 - General Ecology
- BIO 368 - General Ecology Lab
- BIO 302 - Biology Seminar
- BIO 492 - Biology Program Assessment

One Additional Course From the Following:

Course may also be used to satisfy the elective courses in biology.

- BIO 300 - Service-Learning in Biology
- BIO 355 - Developmental Biology
- BIO 370 - Invertebrate Zoology
- BIO 373 - Principles of Wildlife Management
- BIO 398 - Laboratory Internship in Biology
- BIO 399 - Cooperative Education in Biology
- BIO 485 - Marine Conservation
- BIO 498 - Honors Senior Project
- BIO 499 - Undergraduate Research
- BIO 501 - Natural History Museum Techniques
- BIO 505 - Human Nature
- BIO 508 - Environmental Microbiology
- BIO 509 - Stream Ecology
- BIO 511 - Immunology
- BIO 512 - Industrial Microbiology
- BIO 520 - Pathogenic Microbiology
- BIO 527 - Field Biology
- BIO 539 - Biogeography
- BIO 547 - Water Resources
- BIO 561 - Environmental Issues Education and Interpretation
- BIO 573 - Ornithology
- BIO 574 - Aquatic Entomology
- BIO 575 - Ichthyology
- BIO 576 - Herpetology
- BIO 577 - Mammalogy
- BIO 578 - Behavioral Ecology
- BIO 579 - Conservation Biology
- BIO 584 - Fish Ecology
- BIO 589 - Game Management

Minor Required (or Second Major).

Total Credit Hours: 52-59

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Chemistry (Comprehensive) (BS)

Major Requirements

Major Core (53-59):

- CHM 160 - General Chemistry I
- CHM 161 - General Chemistry I Laboratory
- CHM 170 - General Chemistry II
- CHM 171 - General Chemistry II Laboratory
- CHM 302 - Introduction to Analytical Chemistry
- CHM 342 - Organic Chemistry I
- CHM 343 - Organic Chemistry II
- CHM 345 - Microscale Organic Chemistry Laboratory
- CHM 375 - Inorganic Chemistry
- CHM 398 - Chemical Symposium *
- CHM 445 - Intermediate Organic Chemistry Laboratory
- CHM 492 - Program Assessment
- CHM 498 - Chemistry Careers *
- CHM 502 - Instrumental Analysis
- CHM 503 - Instrumental Analysis Laboratory
- CHM 554 - Biochemistry I

Research requirement: Two hours from:

- CHM 397 - Cooperative Education in Chemistry *****
- CHM 399 - Undergraduate Research *****
- CHM 499 - Advanced Undergraduate Research *****
  Note: Students in the comprehensive degree track are strongly recommended to participate in at least two semesters of research. CHM 397 may be repeated to a maximum of six hours. CHM 399 and CHM 499 may each be repeated to a maximum of five hours.

Related Science and Mathematics Requirements (14-20 Hours):

a.

- MTH 287 - Computational Calculus with Analytic Geometry I **AND**
- MTH 288 - Computational Calculus II

OR

- MTH 261 - Analytic Geometry and Calculus I **AND** **
- MTH 280 - Analytic Geometry and Calculus II
  OR
- MTH 261 - Analytic Geometry and Calculus I **AND** **
- MTH 288 - Computational Calculus II

b.

- PHY 123 - Introduction to Physics I **AND** **
- PHY 124 - Introduction to Physics II
  OR
- PHY 203 - Foundations of Physics I **AND** **
- PHY 204 - Foundations of Physics II

c.

Recommended:

- CSC 111 - Introduction to Computing

Public Affairs Capstone Experience will be fulfilled by completion of:

- CHM 398 - Chemical Symposium
- CHM 498 - Chemistry Careers
- CHM 397 - Cooperative Education in Chemistry
  OR
- CHM 399 - Undergraduate Research
  OR
- CHM 499 - Advanced Undergraduate Research

Complete One of the Following Options:

Biochemistry Option (23-29 Hours):

This option is designed for students preparing for graduate study in biochemistry, industrial positions in biochemistry, and/or health professional schools.

- CHM 504 - Fundamentals of Physical Chemistry **AND**
- CHM 505 - Fundamentals of Physical Chemistry Laboratory
  OR
- CHM 506 - Physical Chemistry I **AND**
- CHM 507 - Physical Chemistry II **AND**
- CHM 508 - Physical Chemistry Laboratory I

- CHM 555 - Biochemistry Laboratory I
- CHM 556 - Biochemistry II
- CHM 557 - Biochemistry Laboratory II

12-14 hours of biological science electives from:

- BIO 121 - General Biology I ******
  OR
- BMS 110 - Introduction to Human Biology **AND**
- BMS 111 - Introduction to Human Biology Laboratory ******

- BIO 235 - Genetics **AND**
- BIO 236 - Genetics Laboratory
  OR
- BMS 230 - Human Genetics **AND**
- BMS 231 - Human Genetics with Laboratory
  OR
- BMS 232 - Human Genetics Laboratory

- BIO 312 - Microbiology **AND**
- BIO 313 - Microbiology Laboratory

- BIO 320 - Cellular and Molecular Biology
  OR
- BMS 521 - Molecular Cell Biology

- BIO 361 - General Physiology
  OR
- BMS 308 - Human Physiology

- BIO 380 - Comparative Vertebrate Anatomy
  OR
- BMS 307 - Human Anatomy

- BIO 511 - Immunology

  Note: For students preparing for graduate study and/or industrial positions in biochemistry, the following are recommended: BIO 121(4), 235(3), 236(1), 320(4).**

Chemistry Option (18 Hours):

This option is designed for students preparing for graduate study in chemistry and/or industrial positions in Chemistry. This is an American Chemical Society (ACS)-approved degree.

- CHM 376 - Inorganic Preparation
- CHM 506 - Physical Chemistry I
- CHM 507 - Physical Chemistry II
- CHM 508 - Physical Chemistry Laboratory I
- CHM 509 - Physical Chemistry Laboratory II
- CHM 575 - Advanced Inorganic Chemistry

One Course From:

- CHM 514 - Polymer Chemistry
- CHM 542 - Advanced Organic Chemistry
- CHM 556 - Biochemistry II

Total Credit Hours: 71-88

**Will also count toward Public Affairs Capstone Experience requirement.*

***Will also count toward General Education requirements.*

***Students in Biochemistry option who wish to complete an ACS-approved degree should take CHM 506(3) and 507(3) and 508(2); or take an additional course CHM 575(3) along with CHM 504(3) and 505(1).

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Chemistry

Eligible students in this major may apply to the Master of Science in Chemistry program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Chemistry (Non-Comprehensive) (BS)

Major Requirements

- CHM 160 - General Chemistry I
- CHM 161 - General Chemistry I Laboratory
- CHM 170 - General Chemistry II
- CHM 171 - General Chemistry II Laboratory
- CHM 302 - Introduction to Analytical Chemistry
- CHM 342 - Organic Chemistry I
- CHM 343 - Organic Chemistry II
- CHM 345 - Microscale Organic Chemistry Laboratory
- CHM 375 - Inorganic Chemistry
- CHM 445 - Intermediate Organic Chemistry Laboratory
- CHM 492 - Program Assessment
- CHM 502 - Instrumental Analysis
- CHM 503 - Instrumental Analysis Laboratory
- CHM 504 - Fundamentals of Physical Chemistry **AND**
- CHM 505 - Fundamentals of Physical Chemistry Laboratory
  OR
- CHM 506 - Physical Chemistry I **AND**
- CHM 507 - Physical Chemistry II **AND**
- CHM 508 - Physical Chemistry Laboratory I

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 following. CHM 399 or CHM 499 credit hours used to fulfill the Chemistry electives requirement are in addition to the one credit hour used to fulfill the Public Affairs Capstone Experience.

- CHM 352 - Introduction to Biochemistry
- CHM 376 - Inorganic Preparation
- CHM 399 - Undergraduate Research
  OR
- CHM 499 - Advanced Undergraduate Research
- CHM 460 - Environmental Chemistry: Water and Land
  OR
- CHM 461 - Environmental Chemistry: Air and Energy
- CHM 509 - Physical Chemistry Laboratory II

b. For Students With a Strong Interest in Environmental Chemistry:

- CHM 460 - Environmental Chemistry: Water and Land
- CHM 461 - Environmental Chemistry: Air and Energy
- CHM 462 - Environmental Chemistry Laboratory

c. For Students With a Strong Interest in Biochemistry or Health Careers:

- CHM 554 - Biochemistry I
- CHM 555 - Biochemistry Laboratory I
- CHM 556 - Biochemistry II

d. For Students With a Strong Interest in Education:

Students interested in pursuing certification for high school science teaching should declare a Foundation of Interdisciplinary Science minor.

- CHM 352 - Introduction to Biochemistry
- CHM 435 - Investigations in Chemistry for Teachers
- CHM 460 - Environmental Chemistry: Water and Land
- CHM 462 - Environmental Chemistry Laboratory

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.

Public Affairs Capstone Experience (3 hours):

- CHM 398 - Chemical Symposium

- CHM 498 - Chemistry Careers
- CHM 397 - Cooperative Education in Chemistry
  OR
- CHM 399 - Undergraduate Research
  OR
- CHM 499 - Advanced Undergraduate Research

Related Science and Mathematics Requirements

Will also count toward General Education requirements.

a.

- MTH 261 - Analytic Geometry and Calculus I **AND**
- MTH 280 - Analytic Geometry and Calculus II
  OR
- MTH 288 - Computational Calculus II
  OR
- MTH 287 - Computational Calculus with Analytic Geometry I **AND**
- MTH 288 - Computational Calculus II

b.

- PHY 123 - Introduction to Physics I
- PHY 124 - Introduction to Physics II
  OR
- PHY 203 - Foundations of Physics I
- PHY 204 - Foundations of Physics II

Minor Required (or Second Major).

Total Credit Hours: 61-72

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Chemistry

Eligible students in this major may apply to the Master of Science in Chemistry program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Community and Regional Planning (Comprehensive) (BS)

Major Requirements

- GEO 363 - Introduction to Geographic Information Science
- PLN 300 - Graphic Communication for Planners
- PLN 367 - Planning Methods
- PLN 370 - Fundamentals of Planning

- PLN 570 - Planning Law
  OR
- LAW 537 - Environmental Regulation
- PLN 571 - Land Use Planning
- PLN 572 - Community Planning Practicum
- PLN 599 - Internship in Community and Regional Planning
- PLS 351 - Municipal Government and Administration
- SOC 220 - Statistics for Social Research

One Course From:

- PLN 100 - Introduction to Urban Studies
- GRY 100 - World Regional Geography
- GRY 108 - Principles of Sustainability
- GRY 145 - Earth's Natural Environment
- GLG 113 - Earth: The Instruction Manual
- GLG 114 - Earth: The Survival Guide

Three Additional Hours From

Cannot count both GRY 322 (3) and PLN 100 (3) toward the major requirements

- GRY 322 - Urban Geography
  OR
- GRY 325 - Rural Geography
  OR
- PLN courses numbered above 300.

Public Affairs Capstone Experience will be fulfilled by completion of:

- PLN 572 - Community Planning Practicum

Total Credit Hours: 38-39 hours

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Geography and Geology

Eligible students in this major may apply to the Master of Science in Geography and Geology program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Computer Science (Non-Comprehensive) (BS)

Major Requirements

Major Core (43 hours):

- CSC 130 - The World of Computer Science
- CSC 131 - Computational Thinking
- CSC 232 - Data Structures
- CSC 244 - Computer Architecture
- CSC 335 - Database System Concepts
- CSC 360 - Operating Systems
- CSC 365 - Internet Programming
- CSC 388 - Introduction to Secure Computing
- CSC 450 - Introduction to Software Engineering
- CSC 482 - Seminar in Computer Science
- CSC 565 - Computer Networks

Nine Additional Hours From

CSC 300 and eligible CSC courses numbered higher than 303, with no more than three hours in CSC 399 and no more than three hours in CSC 596. Courses not eligible: CSC 500, CSC 505, and CSC 510.

Public Affairs Capstone Experience will be fulfilled by completion of:

- CSC 335 - Database System Concepts
- CSC 365 - Internet Programming
- CSC 482 - Seminar in Computer Science

Successful Completion of the Computer Science Major Field Test (MFT)

with at least a score of 145 for Computer Science/Computer Science option and 140 for Computer Science/Software Development option is required.

Minor Required or Second Major

(Note: The "Computer Science" option contains courses that satisfy the requirements for a minor in Mathematics.)

Complete One of the Following Options:

Computer Science Option (28-30 Hours):

- CSC 325 - Algorithms and Advanced Data Structures
- CSC 333 - Languages and Machines
- PHY 123 - Introduction to Physics I *
  OR
- PHY 203 - Foundations of Physics I *
- BIO 121 - General Biology I *
  OR
- BMS 110 - Introduction to Human Biology *

Mathematics Requirements:

Note: These required mathematics courses automatically satisfy the requirements for a minor in Mathematics.

- MTH 261 - Analytic Geometry and Calculus I *
- MTH 280 - Analytic Geometry and Calculus II

- MTH 314 - Discrete Mathematics
  OR
- MTH 315 - Algebraic Structures

- MTH 345 - Statistics for Scientists and Engineers
  OR
- MTH 540 - Statistical Theory I

Software Development Option (27-30 Hours):

- CSC 455 - Software Quality Assurance and Project Management

Three Additional Hours From:

From eligible CSC courses numbered 500 or higher excluding CSC 596. Courses not eligible: CSC 500, CSC 505, and CSC 510.

Each of These Courses May Also Count Toward General Education Requirements.

- ECO 165 - Principles of Microeconomics
- PSY 121 - Introductory Psychology
- ENG 321 - Writing II: Beginning Technical Writing

One Course From Each Group (at Least One of the Courses With a Lab):

Group 1:

- BIO 121 - General Biology I *
- BMS 110 - Introduction to Human Biology *
- BMS 110 - Introduction to Human Biology
- BMS 111 - Introduction to Human Biology Laboratory *

Group 2:

- CHM 116 - Fundamentals of Chemistry *
- CHM 160 - General Chemistry I *
- GLG 113 - Earth: The Instruction Manual
- GLG 114 - Earth: The Survival Guide *
- GLG 116 - Earth: The Hands-on Adventure *
- GRY 135 - Principles of Weather and Climate
- GRY 145 - Earth's Natural Environment
- GRY 146 - Earth's Natural Environment Laboratory *
- PHY 123 - Introduction to Physics I *
- PHY 203 - Foundations of Physics I *
- AST 113 - Modern Astronomy *
- AST 114 - Survey of Astronomy *
- AST 115 - Basic Astronomy *

One Course From:

Other courses may be acceptable with department approval.

- MKT 350 - Principles of Marketing
- MGT 340 - Principles of Management
- COM 315 - Advanced Speaking in Professional Settings
- PSY 305 - Introduction to Industrial-Organizational Psychology
- PSY 481 - Human Engineering

Mathematics Requirement:

- MTH 314 - Discrete Mathematics
  OR
- MTH 315 - Algebraic Structures

* May also count toward General Education requirements.

Total Credit Hours: 70-73

University Level Requirements:

1. General Education Program and Requirements
2. 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/.

Accelerated graduate program in Computer Science

Eligible students in this major may apply to the Master of Science in Computer Science program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Data Science (Non-Comprehensive) (BS)

Major Requirements

Computer Science Courses:

- CSC 130 - The World of Computer Science
- CSC 131 - Computational Thinking
- CSC 232 - Data Structures
- CSC 325 - Algorithms and Advanced Data Structures
- CSC 330 - Introduction to Data Science
- CSC 335 - Database System Concepts
- CSC 534 - Big Data Analytics
- CSC 535 - Data Mining
- CSC 537 - Deep Learning

Mathematics Courses:

- MTH 261 - Analytic Geometry and Calculus I
- MTH 280 - Analytic Geometry and Calculus II
- MTH 302 - Multivariate Calculus

- MTH 314 - Discrete Mathematics
  OR
- MTH 315 - Algebraic Structures

- MTH 333 - Linear Algebra

- MTH 345 - Statistics for Scientists and Engineers
  OR
- MTH 540 - Statistical Theory I

- MTH 547 - Applied Regression Analysis

Other Required Courses:

- COM 315 - Advanced Speaking in Professional Settings
- PHI 332 - Data Ethics

Four courses for a total of 12 hours from:

- CSC 399 - Cooperative Education in Computer Science

- CSC 450 - Introduction to Software Engineering
- CSC 526 - Methods of Optimization
- CSC 538 - Parallel and Distributed Computing
- CSC 540 - Introduction to Artificial Intelligence
- CSC 545 - Computer Speech, Music and Images
- CSC 587 - Computing for Bioinformatics
- CSC 596 - Special Readings
- MTH 541 - Statistical Theory II
- MTH 543 - Stochastic Modeling
- MTH 545 - Applied Statistics
- MTH 546 - Analysis of Variance and Design of Experiments
- MTH 548 - Applied Time Series Analysis
- MTH 580 - Applied Mathematics
- MTH 596 - Readings

Public Affairs Capstone Experience will be fulfilled by completion of:

- CSC 330 - Introduction to Data Science
- CSC 335 - Database System Concepts

Minor Required or Second Major

Total Credit Hours: 72

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Policies & Requirements

Geography and Sustainability (Comprehensive) (BS)

Major Requirements

Major Core

Note: 13-14 hours may double count toward General Education requirements.

No more than seven hours of option requirements may be taken prior to GRY 108 and counted toward the major.

- BIO 101 - Biology in Your World
  OR
- BIO 122 - General Biology II
- GEO 363 - Introduction to Geographic Information Science
- GRY 100 - World Regional Geography
- GRY 108 - Principles of Sustainability
- GRY 109 - Sustainability Roundtable

- GRY 145 - Earth's Natural Environment
- GRY 146 - Earth's Natural Environment Laboratory
- GRY 351 - Sustainable Management of Natural Resources
- GRY 508 - The Philosophy of Geosustainability must be taken in the last two semesters prior to completion of the degree program.
- PLN 367 - Planning Methods

Related Statistics Requirement:

- AGR 330 - Statistical Applications in Agriculture
  OR
- MTH 340 - Statistical Methods
  OR
- PSY 200 - Psychological Statistical Methods
  OR
- QBA 237 - Basic Business Statistics
  OR
- SPR 328 - Statistical Applications in Sport and Recreation Administration
  OR
- SOC 220 - Statistics for Social Research

Experience in Geosustainability From:

- GRY 301 - Geography of the Ozarks
  OR
- GRY 353 - Field Experience in Geography (inside continental USA)
  OR
- GRY 470 - Field Experience in Geography (outside continental USA)
- **OR** another pre-approved course such as an internship, directed study, or similar field-based experience. The process for pre-approval by the program coordinator is described on the program website and must be completed in advance of the experience.

Public Affairs Capstone Experience will be fulfilled by completion of:

- GRY 508 - The Philosophy of Geosustainability

Complete One of the Following Options:

Geography Option (24 Hours):

Six Hours From:

- GRY 300 - Geography of the United States
- GRY 305 - Selected World Regions
- GRY 316 - Geography of Global Health and Disease
- GRY 318 - Geography of the National Parks
- GRY 320 - Cultural Geography

- GRY 321 - Economic Geography
- GRY 322 - Urban Geography
- GRY 323 - World Political Geography
- GRY 325 - Rural Geography

18 Additional Hours With

any GRY, GEO, or PLN course numbered 300 or above.

Sustainable Development Option (27 Hours):

Applied Sustainability Course:

- GRY 510 - Applications in Sustainable Geotourism
  OR
- SPR 302 - Ecotourism

Regional Perspectives:

One Regional Perspectives Core Course From:

- GRY 300 - Geography of the United States
- GRY 305 - Selected World Regions
- GRY 322 - Urban Geography
- GRY 325 - Rural Geography

Two Courses Within One of the Following Regional Options:

- **Other region subject to advisor approval.**

Asia:

- ANT 334 - Peoples and Cultures of Japan
- HST 381 - Modern East Asia
- HST 571 - China in the Twentieth Century
- PLS 545 - Asian Politics

Middle East:

- HST 371 - The Making of the Modern Middle East, 1750 CE to 1923 CE
- PLS 443 - Nationalisms and Islamisms of the Middle East
- PLS 569 - Foreign Policies of the Middle Eastern States

Africa:

- ANT 332 - Peoples and Cultures of Africa
- GRY 507 - Geography of Subsaharan Africa

- HST 323 - Women in Africa
- HST 334 - Conflict and Peace Building in Africa
- HST 339 - Africa and the Wider World
- PLS 550 - Modern African Politics

Latin America:

- ANT 336 - Peoples and Cultures of Latin America
- HST 362 - Modern Latin American History: From Independence to Present
- HST 364 - History of Women in Latin America
- PLS 548 - Latin American Politics

One Planning Course:

- PLN 370 - Fundamentals of Planning
  OR
- PLN 571 - Land Use Planning

Two Economics Understanding Courses From:

- ECO 155 - Principles of Macroeconomics
- ECO 346 - International Economic Development
- ECO 450 - Urban and Regional Economics
- ECO 456 - Comparative Economic Systems
- ECO 565 - International Economics
- GRY 321 - Economic Geography

Two Policy Related Courses From:

- AGN 115 - Sustainable Agriculture and the Environment
- ANT 313 - Volunteering and Development in the Global South: Anthropological Perspectives
- ANT 314 - Environmental Anthropology
- ANT 370 - The Living Primates
- AGR 100 - Food Security
- BIO 502 - Sustainability Science in Practice
- GRY 320 - Cultural Geography
- LAW 537 - Environmental Regulation
- PLN 505 - Social Planning
- PLS 232 - International Relations
- PLS 320 - American Foreign Policy
- PLS 546 - Political Violence and Terrorism
- SOC 319 - Environmental Sociology
- SOC 420 - Social Inequality
- SOC 430 - The Nonprofit Sector and Civil Society
- SOC 450 - Population, Society, and Public Policy
- SOC 456 - Food in Society

Sustainable Watershed Management Option (24-26 Hours):

- GRY 545 - Global Environmental Change
- GRY 549 - Sustainable Landform Management
- GRY 550 - Fluvial Geomorphology
- GLG 547 - Water Resources
  OR
- BIO 547 - Water Resources

Two Water Systems Courses From:

- BIO 485 - Marine Conservation
- BIO 509 - Stream Ecology
- BIO 532 - Principles of Fisheries Management
- BIO 533 - Wetland Ecology
- BIO 562 - Limnology
- GEO 569 - Landscape Analysis
- GLG 350 - Speleology
- GLG 580 - Geochemistry
- GRY 137 - Meteorology: Understanding Weather and Climate

One Planning Framework Course From:

- ECO 540 - Environmental, Resource, and Energy Economics
- LAW 537 - Environmental Regulation
- PLN 571 - Land Use Planning

One Terrestrial Systems Course From:

- AGN 215 - Soils
- AGN 335 - Soil Conservation and Water Management
- ANT 355 - Environmental Archaeology
- AGP 333 - Landscape Design
- GLG 573 - Engineering Geology

Total Credit Hours: 57-61

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Geography and Geology

Eligible students in this major may apply to the Master of Science in Geography and Geology program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Geography and Sustainability (Non-Comprehensive) (BA)

Major Requirements

- GRY 100 - World Regional Geography
- GRY 108 - Principles of Sustainability
- GRY 145 - Earth's Natural Environment
- GRY 146 - Earth's Natural Environment Laboratory
- GEO 363 - Introduction to Geographic Information Science
- PLN 367 - Planning Methods

One Course From:

- GRY 300 - Geography of the United States
- GRY 305 - Selected World Regions

Related Requirement:

- AGR 330 - Statistical Applications in Agriculture
  OR
- MTH 340 - Statistical Methods
  OR
- PSY 200 - Psychological Statistical Methods
  OR
- QBA 237 - Basic Business Statistics
  OR
- SPR 328 - Statistical Applications in Sport and Recreation Administration
  OR
- SOC 220 - Statistics for Social Research

Public Affairs Capstone Experience

Three hours of Experience in Geosustainability course from:

- GRY 301 - Geography of the Ozarks
  OR
- GRY 353 - Field Experience in Geography (inside continental USA)
  OR
- GRY 470 - Field Experience in Geography (outside continental USA)
  OR
- another pre-approved course such as an internship, directed study, or similar field-based experience. The process for pre-approval by the program coordinator is described on the program website and must be completed in advance of the experience.

12 Additional Hours With GRY, GEO, or PLN course code.

Minor Required (or Second Major).

Total Credit Hours: 38

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Accelerated graduate program in Geography and Geology

Eligible students in this major may apply to the Master of Science in Geography and Geology program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Geography and Sustainability (Non-Comprehensive) (BS)

Major Requirements

- GRY 100 - World Regional Geography
- GRY 108 - Principles of Sustainability
- GRY 145 - Earth's Natural Environment
- GRY 146 - Earth's Natural Environment Laboratory
- GEO 363 - Introduction to Geographic Information Science
- PLN 367 - Planning Methods

One Course From:

- GRY 300 - Geography of the United States
- GRY 305 - Selected World Regions
- GRY 316 - Geography of Global Health and Disease
- GRY 318 - Geography of the National Parks
- GRY 320 - Cultural Geography
- GRY 321 - Economic Geography
- GRY 322 - Urban Geography
- GRY 323 - World Political Geography
- GRY 325 - Rural Geography

Related Requirement:

- AGR 330 - Statistical Applications in Agriculture
  OR

- MTH 340 - Statistical Methods
  OR
- PSY 200 - Psychological Statistical Methods
  OR
- QBA 237 - Basic Business Statistics
  OR
- SPR 328 - Statistical Applications in Sport and Recreation Administration
  OR
- SOC 220 - Statistics for Social Research

Public Affairs Capstone Experience

Three hours of Experience in Geosustainability course from:

- GRY 301 - Geography of the Ozarks
  OR
- GRY 353 - Field Experience in Geography (inside continental USA)
  OR
- GRY 470 - Field Experience in Geography (outside continental USA)
  OR
- another pre-approved course such as an internship, directed study, or similar field-based experience. The process for pre-approval by the program coordinator is described on the program website and must be completed in advance of the experience.

12 Additional Hours With GRY, GEO, or PLN course code.

Minor Required (or Second Major).

Total Credit Hours: 38

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Geography and Geology

Eligible students in this major may apply to the Master of Science in Geography and Geology program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Geology (Comprehensive) (BS)

Major Requirements

This major is designed for those who wish to seek admission to graduate school in geology or related fields.

- GLG 113 - Earth: The Instruction Manual

OR

- GLG 114 - Earth: The Survival Guide
  OR
- GLG 115 - Life of the Past

- GLG 116 - Earth: The Hands-on Adventure
- GLG 314 - Historical Geology
- GLG 332 - Mineralogy
- GLG 333 - Igneous and Metamorphic Petrology
- GLG 334 - Sedimentary Geology
- GLG 340 - Structural Geology
- GLG 358 - Writing II: Reporting Geological Information
- GLG 570 - Principles of Stratigraphy
- GEO 363 - Introduction to Geographic Information Science
- CHM 160 - General Chemistry I
- CHM 161 - General Chemistry I Laboratory
- PHY 123 - Introduction to Physics I
  OR
- PHY 203 - Foundations of Physics I
- MTH 261 - Analytic Geometry and Calculus I
  OR
- MTH 287 - Computational Calculus with Analytic Geometry I

Six Hours From

- GLG 412 - Field Geology of the Midcontinent Region
  OR
- GLG 413 - Field Geology
  OR
- equivalent pre-approved field geology course transferred from another university.

10 Additional Hours of

GLG courses numbered 318 or higher, with at least six of these hours from GLG courses numbered 400 or higher.

Seven to 10 Hours From two of the following groups:

- CHM 170 - General Chemistry II **AND**
- CHM 171 - General Chemistry II Laboratory
- PHY 124 - Introduction to Physics II
  OR
- PHY 204 - Foundations of Physics II
- MTH 280 - Analytic Geometry and Calculus II
  OR
- MTH 288 - Computational Calculus II

Public Affairs Capstone Experience will be fulfilled by completion of:

- GLG 358 - Writing II: Reporting Geological Information

Total Credit Hours: 65-71

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Geography and Geology

Eligible students in this major may apply to the Master of Science in Geography and Geology program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Geology (Non-Comprehensive) (BS)

Major Requirements

- GLG 113 - Earth: The Instruction Manual
  OR
- GLG 114 - Earth: The Survival Guide
  OR
- GLG 115 - Life of the Past

- GLG 116 - Earth: The Hands-on Adventure
- GLG 314 - Historical Geology
- GLG 332 - Mineralogy
- GLG 333 - Igneous and Metamorphic Petrology
- GLG 334 - Sedimentary Geology
- GLG 340 - Structural Geology
- GLG 358 - Writing II: Reporting Geological Information
- CHM 160 - General Chemistry I
- CHM 161 - General Chemistry I Laboratory
- MTH 137 - Precalculus 2 or higher.
- GEO 363 - Introduction to Geographic Information Science

Four Hours From

- GLG 412 - Field Geology of the Midcontinent Region
  OR
- GLG 413 - Field Geology
  OR
- equivalent pre-approved field geology course transferred from another university.

Three Hours From GLG courses numbered 318 or higher.

Three Additional Hours From GLG courses numbered 400 or higher.

Public Affairs Capstone Experience will be fulfilled by completion of:

- GLG 358 - Writing II: Reporting Geological Information

Minor Required (or Second Major)

Geology majors wishing to emphasize paleontology should minor in biology.

Total Credit Hours: 45-47

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Geography and Geology

Eligible students in this major may apply to the Master of Science in Geography and Geology program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Geospatial Sciences (Comprehensive) (BS)

Major Requirements

- GEO 360 - Interpretation of Aerial Photography
- GEO 363 - Introduction to Geographic Information Science
- PLN 367 - Planning Methods
- GEO 551 - Remote Sensing
- GEO 561 - Applied Geographic Information Science
- GEO 562 - Internet Geospatial Science
- GEO 566 - Advanced Geographic Information Science
- GEO 568 - Geovisualization
- GEO 572 - Introduction to Photogrammetry and LiDAR Technology
- CSC 130 - The World of Computer Science

Field Experience from:

- GRY 301 - Geography of the Ozarks
  OR
- GRY 353 - Field Experience in Geography (inside continental USA)
  OR
- GRY 470 - Field Experience in Geography (outside continental USA)

OR

- another pre-approved course such as an internship, directed study, or similar field-based experience.

One Course From:

- GEO 200 - Exploring Our Digital Earth
- GLG 113 - Earth: The Instruction Manual
- GLG 114 - Earth: The Survival Guide
- GRY 100 - World Regional Geography
- GRY 108 - Principles of Sustainability
- GRY 137 - Meteorology: Understanding Weather and Climate
- GRY 145 - Earth's Natural Environment
- PLN 100 - Introduction to Urban Studies

One Statistics Course From:

- AGR 330 - Statistical Applications in Agriculture
- MTH 340 - Statistical Methods
- PSY 200 - Psychological Statistical Methods
- QBA 237 - Basic Business Statistics
- SOC 220 - Statistics for Social Research
- SPR 328 - Statistical Applications in Sport and Recreation Administration

Three Additional Hours With GEO Course Code.

Nine Additional Hours From Following:

- GEO or GRY courses numbered 275 or higher
- TCM 110 - Introduction to Engineering Design
- MTH 136 - Precalculus 1 **or higher**
- CSC 131 - Computational Thinking
- CSC 335 - Database System Concepts

Public Affairs Capstone Experience

will be fulfilled by completion of the field experience requirement.

Total Credit Hours: 52-53

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Geography and Geology

Eligible students in this major may apply to the Master of Science in Geography and Geology program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Mathematics (BSEd)

Major Requirements

- MTH 261 - Analytic Geometry and Calculus I
- MTH 280 - Analytic Geometry and Calculus II
- MTH 302 - Multivariate Calculus
- MTH 315 - Algebraic Structures
- MTH 333 - Linear Algebra
- MTH 343 - Foundations of Probability and Statistics for Teachers
- MTH 460 - College Geometry
- MTH 532 - Introduction to Abstract Algebra
- MTH 545 - Applied Statistics
- MTH 575 - History of Mathematics

One Course From:

- MTH 503 - Advanced Calculus I
- MTH 510 - High School Mathematics from an Advanced Perspective
- MTH 536 - Theory of Numbers
- MTH 540 - Statistical Theory I
- MTH 567 - Introduction to Non-Euclidean Geometry

Courses Required From Related Areas:

- CSC 130 - The World of Computer Science
- PHY 123 - Introduction to Physics I may partially fulfill the Knowledge of the Natural World General Education requirement.
  OR
- PHY 203 - Foundations of Physics I may partially fulfill the Knowledge of the Natural World General Education requirement.

Public Affairs Capstone Experience will be fulfilled by completion of:

- MTH 492 - Seminar in Supervised Teaching (Secondary Mathematics)
  OR
- MTH 494 - Supervised Teaching (Secondary Mathematics)

Total Credit Hours: 44-46

Professional Education Requirements (41 hours):

Note: A grade of "C" or better in each course is required for state certification.

Teaching Methods and Supervised Teaching (21 Hours):

- MTH 409 - Teaching and Learning of Mathematics I
- MTH 410 - Teaching and Learning of Mathematics II, with Practicum
- MTH 411 - Teaching and Learning of Mathematics III
- MTH 492 - Seminar in Supervised Teaching (Secondary Mathematics)
- MTH 494 - Supervised Teaching (Secondary Mathematics)

Additional Professional Education Required Core and Competencies (20 Hours):

Refer to Teacher Education and Teacher Certification Requirements for additional Professional Education Required Core and Competencies.

Teacher Education Requirements:

This program also requires compliance with Teacher Education for eligibility to enroll in Professional Education courses; admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification, which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.

a. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under major requirements.
b. at least a 3.00 GPA in any additional certificate subject area.
c. at least a 3.00 GPA in the professional education courses which includes all courses listed above; and no grade lower than a "C" in all professional education courses.

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Mathematics (Comprehensive) (BS)

Major Requirements

- MTH 261 - Analytic Geometry and Calculus I
- MTH 280 - Analytic Geometry and Calculus II
- MTH 302 - Multivariate Calculus
- MTH 303 - Differential Equations
- MTH 315 - Algebraic Structures
- MTH 333 - Linear Algebra
- MTH 497 - Topics
- MTH 503 - Advanced Calculus I
- MTH 532 - Introduction to Abstract Algebra
- MTH 540 - Statistical Theory I
- MTH 421 - Numerical Analysis I

OR

- MTH 541 - Statistical Theory II

18 additional 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.

Courses Required From Related Areas:

- CSC 125 - Introduction to C++ Programming
  OR
- CSC 130 - The World of Computer Science
- PHY 203 - Foundations of Physics I PHY 203 may partially fulfill the natural world general education requirement.

Public Affairs Capstone Experience will be fulfilled by completion of:

- MTH 497 - Topics
- MTH 503 - Advanced Calculus I
- MTH 532 - Introduction to Abstract Algebra
- MTH 540 - Statistical Theory I

Total Credit Hours: 61-62

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Mathematics (Non-Comprehensive) (BA)

Major Requirements

- MTH 261 - Analytic Geometry and Calculus I
- MTH 280 - Analytic Geometry and Calculus II
- MTH 302 - Multivariate Calculus
- MTH 315 - Algebraic Structures
- MTH 333 - Linear Algebra
- MTH 497 - Topics
- MTH 503 - Advanced Calculus I
- MTH 532 - Introduction to Abstract Algebra
- MTH 540 - Statistical Theory I

One Additional Course From:

- MTH 303 - Differential Equations
- MTH 421 - Numerical Analysis I
- MTH 575 - History of Mathematics
- or from mathematics courses numbered 400 or higher.

Course Required From Related Area:

- CSC 121 - Introduction to BASIC Programming
  OR
- CSC 125 - Introduction to C++ Programming
  OR
- CSC 130 - The World of Computer Science

Public Affairs Capstone Experience will be fulfilled by completion of:

- MTH 497 - Topics
- MTH 503 - Advanced Calculus I
- MTH 532 - Introduction to Abstract Algebra
- MTH 540 - Statistical Theory I

Minor Required (or Second Major).

Total Credit Hours: 35-36

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Mathematics (Non-Comprehensive) (BS)

Major Requirements

Major Core (40-41 hours):

- MTH 261 - Analytic Geometry and Calculus I
- MTH 280 - Analytic Geometry and Calculus II
- MTH 302 - Multivariate Calculus
- MTH 303 - Differential Equations
- MTH 315 - Algebraic Structures
- MTH 333 - Linear Algebra
- MTH 497 - Topics
- MTH 503 - Advanced Calculus I
- MTH 532 - Introduction to Abstract Algebra

- MTH 540 - Statistical Theory I

Courses Required From Related Areas:

- CSC 125 - Introduction to C++ Programming
  OR
- CSC 130 - The World of Computer Science
- PHY 203 - Foundations of Physics I PHY 203 may partially fulfill the Natural World general education requirement.

Public Affairs Capstone Experience will be fulfilled by completion of:

- MTH 497 - Topics
- MTH 503 - Advanced Calculus I
- MTH 532 - Introduction to Abstract Algebra
- MTH 540 - Statistical Theory I

Minor Required (or Second Major).

Complete One of the Following Options:

Actuarial Mathematics Option (12 Hours):

- MTH 450 - Theory of Interest
- MTH 541 - Statistical Theory II

Six Hours From:

- MTH 543 - Stochastic Modeling
- MTH 546 - Analysis of Variance and Design of Experiments
- MTH 547 - Applied Regression Analysis
- MTH 548 - Applied Time Series Analysis

A Minor in Insurance is Recommended.

Applied Mathematics Option (12 Hours):

- MTH 421 - Numerical Analysis I
- MTH 580 - Applied Mathematics

Six Hours From:

- MTH 422 - Numerical Analysis II
- MTH 507 - Introduction to Partial Differential Equations
- MTH 537 - Applied Abstract Algebra
- MTH 543 - Stochastic Modeling

- MTH 570 - Combinatorial Analysis

General Mathematics Option (12 Hours):

- MTH 421 - Numerical Analysis I
  OR
- MTH 541 - Statistical Theory II

Nine Additional Hours From mathematics courses numbered 400 or higher.

Statistics Option (12 Hours):

- MTH 541 - Statistical Theory II

Nine Hours From:

- MTH 543 - Stochastic Modeling
- MTH 545 - Applied Statistics
- MTH 546 - Analysis of Variance and Design of Experiments
- MTH 547 - Applied Regression Analysis
- MTH 548 - Applied Time Series Analysis

Total Credit Hours: 52-53

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Physics (Comprehensive) (BS)

Major Requirements

Major Core (56 hours):

- PHY 110 - Big Ideas in Physics
- PHY 203 - Foundations of Physics I
- PHY 204 - Foundations of Physics II
- PHY 291 - Introduction to Computational Physics
- PHY 319 - Mathematics for Science and Engineering I
- PHY 325 - Experimental Instrumentation
- PHY 333 - Intermediate Mechanics
- PHY 343 - Thermal Physics
- PHY 353 - Electricity and Magnetism
- PHY 375 - Modern Physics

- PHY 385 - Experiments in Modern Physics

- PHY 386 - Undergraduate Research I **AND**
- PHY 486 - Undergraduate Research II
  OR
- PHY 496 - Capstone Physics

Specific General Education Requirement:

- ENG 321 - Writing II: Beginning Technical Writing

Related Requirements:

- MTH 261 - Analytic Geometry and Calculus I
- MTH 280 - Analytic Geometry and Calculus II
- MTH 302 - Multivariate Calculus
- MTH 303 - Differential Equations

Public Affairs Capstone Experience will be fulfilled by completion of:

- PHY 385 - Experiments in Modern Physics

- PHY 386 - Undergraduate Research I **AND**
- PHY 486 - Undergraduate Research II
  OR
- PHY 496 - Capstone Physics

Complete One of the Following Option

Astronomy and Astrophysics Option (13 Hours):

- AST 113 - Modern Astronomy
- AST 114 - Survey of Astronomy
  OR
- AST 115 - Basic Astronomy

Two Courses From:

- AST 311 - Astronomical Techniques
- AST 313 - The New Solar Systems
- AST 315 - The Lives and Deaths of Stars
- AST 317 - Our Universe, the Final Frontier

Career Prep Physics Option (9 Hours):

- PHY 351 - Circuit, Signals, and Controls

- PHY 575 - Quantum Mechanics
  OR
- MAT 540 - Thermodynamics of Materials
- Three hours of 400 or 500 level PHY, MAT, or CHM coursework.

Materials Physics Option (12 Hours):

- MAT 540 - Thermodynamics of Materials
- MAT 550 - Introduction to Materials Science
- MAT 580 - Structure of Solids
- PHY 575 - Quantum Mechanics

Teaching Prep Physics Option (13 Hours):

- AST 115 - Basic Astronomy
- GRY 108 - Principles of Sustainability
- Six hours from any 300 or 400 or 500 level courses from AST, MAT or PHY coursework.

Total Credit Hours: 65-69

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Materials Science

Eligible students in this major may apply to the Master of Science in Materials Science program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Minors

Astronomy Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- AST 113 - Modern Astronomy
  OR
- AST 114 - Survey of Astronomy

OR

- AST 115 - Basic Astronomy
- AST 311 - Astronomical Techniques

Two Courses From:

- AST 313 - The New Solar Systems
- AST 315 - The Lives and Deaths of Stars
- AST 317 - Our Universe, the Final Frontier

Additional Physics or Astronomy Courses

to total at least 18 hours in the minor with no more than 10 hours of courses numbered below 300. Recommended electives:

- AST 110 - Astronomical Observations if AST 113 or AST 114 was taken
- PHY 123 - Introduction to Physics I
- PHY 124 - Introduction to Physics II
- PHY 386 - Undergraduate Research I
- PHY 486 - Undergraduate Research II

Biology Minor

Major Degree Type

Bachelor of Arts

Minor Requirements BA

- BIO 121 - General Biology I
- BIO 122 - General Biology II
- BIO 235 - Genetics
- BIO 236 - Genetics Laboratory

Additional Biology Electives to Total 15 Hours.

Major Degree Type

Bachelor of Science

Minor Requirements BS

- BIO 121 - General Biology I
- BIO 122 - General Biology II
- BIO 235 - Genetics
- BIO 236 - Genetics Laboratory

Additional Biology Electives to Total 19 Hours.

Major Degree Type

Bachelor of Science in Education (Non-Certifiable)

Minor Requirements BSED

- BIO 121 - General Biology I
- BIO 122 - General Biology II
- BIO 235 - Genetics
- BIO 236 - Genetics Laboratory
- BIO 320 - Cellular and Molecular Biology
- BIO 367 - General Ecology
- BIO 368 - General Ecology Lab

Chemistry Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- CHM 160 - General Chemistry I
- CHM 161 - General Chemistry I Laboratory
- CHM 170 - General Chemistry II
- CHM 171 - General Chemistry II Laboratory
- CHM 201 - Essentials of Organic Chemistry **AND**
- CHM 202 - Essentials of Organic Chemistry Laboratory
  OR
- CHM 342 - Organic Chemistry I **AND**
- CHM 345 - Microscale Organic Chemistry Laboratory

Select an Emphasis Area From:

Analytical:

- CHM 302 - Introduction to Analytical Chemistry

Biochemistry:

- CHM 352 - Introduction to Biochemistry **AND**
- CHM 353 - Introduction to Biochemistry Laboratory

OR

- CHM 554 - Biochemistry I **AND**
- CHM 555 - Biochemistry Laboratory I

Environmental:

- CHM 460 - Environmental Chemistry: Water and Land
- CHM 461 - Environmental Chemistry: Air and Energy

Inorganic:

- CHM 375 - Inorganic Chemistry
- CHM 376 - Inorganic Preparation

Organic:

- CHM 343 - Organic Chemistry II **AND**
- CHM 514 - Polymer Chemistry
  OR
- CHM 542 - Advanced Organic Chemistry

Physical:

- CHM 506 - Physical Chemistry I **AND**
- CHM 507 - Physical Chemistry II
  OR
- CHM 508 - Physical Chemistry Laboratory I

Pre-Health:

- CHM 343 - Organic Chemistry II **AND**
- CHM 352 - Introduction to Biochemistry
  OR
- CHM 554 - Biochemistry I

Student Option:

Select at least eight hours in CHM courses numbered 302 or higher.

Community and Regional Planning Minor

Major Degree Type

Bachelor of Science

Minor Requirements

- PLN 367 - Planning Methods
- PLN 370 - Fundamentals of Planning
- PLN 571 - Land Use Planning
- PLN 505 - Social Planning
  OR
- PLN 570 - Planning Law
  OR
- PLN 572 - Community Planning Practicum

Computer Science Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- CSC 125 - Introduction to C++ Programming
  OR
- CSC 130 - The World of Computer Science
- CSC 131 - Computational Thinking
- CSC 232 - Data Structures

Six Hours From:

eligible CSC courses numbered higher than 300 to bring total hours to at least 17 in the minor. Courses **not** eligible: CSC 301, CSC 303, CSC 399, CSC 500, CSC 505, CSC 510.

Environmental Physics Technology Minor

Major Degree Type

Bachelor of Science

Minor Requirements

- PHY 123 - Introduction to Physics I
- PHY 124 - Introduction to Physics II
- PHY 351 - Circuit, Signals, and Controls
- PHY 373 - Radiation Physics
- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory
  OR
- CHM 160 - General Chemistry I
- GRY 135 - Principles of Weather and Climate

Foundations of Interdisciplinary Science Minor

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 post baccalaureate programs or master's programs.

Major Degree Type

Bachelor of Science

Minor Requirements

Foundational Biology Competencies:

- BIO 121 - General Biology I *
- BIO 122 - General Biology II

Foundational Chemistry Competencies:

- CHM 160 - General Chemistry I
- CHM 161 - General Chemistry I Laboratory
- CHM 170 - General Chemistry II
- CHM 171 - General Chemistry II Laboratory

Foundational Geography and Geology Competencies:

- GLG 110 - Principles of Geology *
- GRY 135 - Principles of Weather and Climate *

Foundational Physics and Astronomy Competencies:

- PHY 123 - Introduction to Physics I *
  OR
- PHY 203 - Foundations of Physics I *

- PHY 124 - Introduction to Physics II
  OR
- PHY 204 - Foundations of Physics II

- Those seeking earth science certification must additionally complete AST 115.

Intellectual Foundations of Science and Technology:

- SCI 505 - Intellectual Foundations of Science and Technology

Note:

*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.

Geography Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

Minor Requirements

- GRY 100 - World Regional Geography
- GRY 145 - Earth's Natural Environment
- GRY 146 - Earth's Natural Environment Laboratory
- GEO 363 - Introduction to Geographic Information Science

Additional GRY, GEO, or PLN Courses numbered 300 or higher to total at least 17 hours in minor.

Geology Minor

Major Degree Type BA

Bachelor of Arts

Minor Requirements BA

- GLG 113 - Earth: The Instruction Manual
  OR
- GLG 114 - Earth: The Survival Guide
  OR
- GLG 115 - Life of the Past

- GLG 116 - Earth: The Hands-on Adventure
- GLG 314 - Historical Geology

Four Hours From:

- GLG 360 - Directed Field Trips
  OR
- GLG 412 - Field Geology of the Midcontinent Region

Three Additional Hours of GLG courses numbered 318 or higher.

Major Degree Type BS

Bachelor of Science

Minor Requirements BS

- GLG 113 - Earth: The Instruction Manual
  OR
- GLG 114 - Earth: The Survival Guide
  OR
- GLG 115 - Life of the Past

- GLG 116 - Earth: The Hands-on Adventure
- GLG 314 - Historical Geology

Four Hours From:

- GLG 360 - Directed Field Trips
  OR
- GLG 412 - Field Geology of the Midcontinent Region

Six Additional Hours of GLG courses numbered 318 or higher.

Geospatial Sciences Minor

Major Degree Type

Bachelor of Science

Minor Requirements

- GEO 360 - Interpretation of Aerial Photography
- GEO 363 - Introduction to Geographic Information Science
- GEO 551 - Remote Sensing

One Course From:

- GEO 200 - Exploring Our Digital Earth
- GLG 113 - Earth: The Instruction Manual
- GLG 114 - Earth: The Survival Guide
- GRY 100 - World Regional Geography
- GRY 108 - Principles of Sustainability
- GRY 137 - Meteorology: Understanding Weather and Climate

- GRY 145 - Earth's Natural Environment
- PLN 100 - Introduction to Urban Studies

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.

Global Studies Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- GRY 100 - World Regional Geography
- GRY 305 - Selected World Regions
- GRY 320 - Cultural Geography
  OR
- GRY 321 - Economic Geography
  OR
- GRY 323 - World Political Geography

Nine Additional Hours in Regional Geography Courses Selected From:

Note: GRY 305 is a variable content course that may be repeated with new content.

- GRY 305 - Selected World Regions
- GRY 316 - Geography of Global Health and Disease
- GRY 318 - Geography of the National Parks
- GRY 320 - Cultural Geography
- GRY 321 - Economic Geography
- GRY 323 - World Political Geography
- GRY 429 - Geography of World Tourism
- GRY 507 - Geography of Subsaharan Africa

Note:

Because of course overlap, this minor is not available to students selecting the Cultural and Regional Geography option in the BS major in Geography.

Informatics Minor

Major Degree Type

Bachelor of Science

Minor Requirements

- CSC 131 - Computational Thinking
- CSC 232 - Data Structures
- CSC 335 - Database System Concepts
- CSC 587 - Computing for Bioinformatics
- MTH 261 - Analytic Geometry and Calculus I
  OR
- MTH 287 - Computational Calculus with Analytic Geometry I
- MTH 280 - Analytic Geometry and Calculus II
  OR
- MTH 288 - Computational Calculus II
- BIO 550 - Statistical Methods for Biologists
  OR
- MTH 545 - Applied Statistics

Mathematics Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements BA, BS

- MTH 261 - Analytic Geometry and Calculus I
- MTH 280 - Analytic Geometry and Calculus II
- MTH 314 - Discrete Mathematics
  OR
- MTH 315 - Algebraic Structures

Additional Mathematics courses numbered 300 or higher, other than MTH 314 or MTH 315 (if used above), to total at least 15 hours in the minor

Major Degree Type

Bachelor of Science in Education (Non-Certifiable)

Minor Requirements BSED

- MTH 261 - Analytic Geometry and Calculus I

- MTH 280 - Analytic Geometry and Calculus II
- MTH 315 - Algebraic Structures
- MTH 575 - History of Mathematics

One Course From:

- CSC 121 - Introduction to BASIC Programming
- CSC 125 - Introduction to C++ Programming
- CSC 131 - Computational Thinking

One Course From:

- MTH 460 - College Geometry
- MTH 567 - Introduction to Non-Euclidean Geometry

Additional Mathematics courses numbered 300 or above to total at least 24 hours in the minor.

Physics Minor

Major Degree Type

Bachelor of Science

Minor Requirements

- PHY 123 - Introduction to Physics I
  OR
- PHY 203 - Foundations of Physics I
- PHY 124 - Introduction to Physics II
  OR
- PHY 204 - Foundations of Physics II

Additional 10 Hours of Electives From Any Other Physics Courses

numbered higher than PHY 124 except PHY 203 and PHY 204. Courses with mathematics prerequisites no higher than required above: PHY 131, PHY 141, PHY 220.

Sustainability Minor

Program advisor

David Perkins, PhD, School of Earth, Environment and Sustainability

Description of minor

A minor in Sustainability complements degree programs and disciplines across the academic spectrum. The variety of elective course offerings allows students to select courses that fit best with how sustainability is addressed within their area of study and future employment goals. In the minor, coursework complements options for research, writing, and hands-on involvement with sustainability-related projects.

Administration of the program

Courses must be approved by the faculty of the Sustainability Action Minor Committee for inclusion in the minor. The administrator of the program (Chair of Committee) must approve the course of study for each student who wishes to complete a Sustainability minor.

Minor requirements

- GRY 108 - Principles of Sustainability

12 hours from the following areas with courses from at least two different tracks and two different departments:

Social Equity and Ethics:

- AGR 100 - Food Security
- ECO 101 - Economics of Social Issues
- GRY 100 - World Regional Geography
- GRY 316 - Geography of Global Health and Disease
- GRY 322 - Urban Geography
- PHI 302 - Environmental Ethics
- PHI 342 - Global Ethics
- PLN 505 - Social Planning
- SOC 319 - Environmental Sociology
- SPR 211 - Principles of Outdoor Recreation and Adventure Sports

Economics and Policy:

- ECO 540 - Environmental, Resource, and Energy Economics
- GRY 301 - Geography of the Ozarks
- GRY 310 - Fundamentals of Tourism
- GRY 318 - Geography of the National Parks
- LAW 537 - Environmental Regulation
- PSY 379 - Environmental Psychology
- SPR 302 - Ecotourism

Environmental Systems

- AGN 115 - Sustainable Agriculture and the Environment
- AGN 215 - Soils
- AGN 335 - Soil Conservation and Water Management
- ANT 355 - Environmental Archaeology
- BIO 485 - Marine Conservation
- BIO 502 - Sustainability Science in Practice
- BIO 579 - Conservation Biology
- GLG 114 - Earth: The Survival Guide
- GRY 351 - Sustainable Management of Natural Resources
- GRY 510 - Applications in Sustainable Geotourism

Complete 1-3 hours from one of the following as approved by the Administrator: Education Abroad, Internship, Service Learning, Independent Study.

No more than six hours of elective coursework may come from the same department or with the same course code.

No more than six hours of coursework may be applied toward a major or another minor.

Sustainable Tourism Development Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- GRY 108 - Principles of Sustainability
- GRY 310 - Fundamentals of Tourism
- HSP 340 - Destination Development

- GRY 429 - Geography of World Tourism
  OR
- GRY 510 - Applications in Sustainable Geotourism

Two additional courses from:

- ANT 313 - Volunteering and Development in the Global South: Anthropological Perspectives
- ANT 314 - Environmental Anthropology
- ANT 318 - Anthropology of Tourism
- ANT 550 - Advanced Methods in Archaeology
- GRY 300 - Geography of the United States
- GRY 318 - Geography of the National Parks

- GRY 321 - Economic Geography
- GRY 322 - Urban Geography
- GRY 325 - Rural Geography
- GRY 429 - Geography of World Tourism if not used above
- GRY 510 - Applications in Sustainable Geotourism if not used above
- MKT 350 - Principles of Marketing
- MKT 474 - International Marketing
- PLN 370 - Fundamentals of Planning
- PLS 573 - Policy Analysis
- SPR 302 - Ecotourism
- SOC 319 - Environmental Sociology

Certificates

Applied Geophysics Certificate

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

- GLG 590 - Applied Geophysics
- GLG 591 - Seismic Data Processing

Two Courses From:

- GLG 573 - Engineering Geology
- GLG 574 - Petroleum Geology
- MTH 302 - Multivariate Calculus
- MTH 303 - Differential Equations
- PHY 291 - Introduction to Computational Physics
- PHY 319 - Mathematics for Science and Engineering I

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 MTH 303 and either PHY 291 or PHY 319.

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Applied Geospatial Science Certificate

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

- GEO 200 - Exploring Our Digital Earth
- GEO 363 - Introduction to Geographic Information Science
- GEO 551 - Remote Sensing
- GEO 561 - Applied Geographic Information Science

Three to Four Hours From:

the following list of approved courses which integrate Geospatial Science topics and hands-on skills within their disciplinary context:

- GEO 360 - Interpretation of Aerial Photography
- GEO 569 - Landscape Analysis
- GLG 340 - Structural Geology
- GLG 412 - Field Geology of the Midcontinent Region

- GLG 547 - Water Resources
  OR
- BIO 547 - Water Resources

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 16-17

Completion Requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Astrogeology Certificate

This certificate is jointly offered by the Department of Physics, Astronomy, and Materials Science and the School of Earth, Environment and Sustainability and provides students the opportunity to explore geologic conditions which may exist on planets around other stars (exoplanets). As it has recently been discovered that most stars host planets, the environment and origin of those planets (astrophysics) and the processes within (geology) are at the forefront of scientific exploration. Students who complete this certificate will be prepared for a variety of opportunities in geology, astronomy, and the combined work on exoplanets.

The certificate is administered by the Department of Physics, Astronomy, and Materials Science

Program Requirements:

- AST 113 - Modern Astronomy
  OR

- AST 115 - Basic Astronomy

- GLG 110 - Principles of Geology
  OR
- GLG 114 - Earth: The Survival Guide

- AST 313 - The New Solar Systems

- GLG 314 - Historical Geology
  OR
- GLG 332 - Mineralogy
  OR
- GLG 590 - Applied Geophysics

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 13-14

Biomedical Physics Certificate

This certificate distinguishes the holder as attaining a level of proficiency with biomedical physics concepts and operational methods in the field.

Program Requirements

- PHY 124 - Introduction to Physics II
  OR
- PHY 204 - Foundations of Physics II
- BIO 121 - General Biology I
  OR
- BMS 110 - Introduction to Human Biology **AND**
- BMS 111 - Introduction to Human Biology Laboratory
- BIO 520 - Pathogenic Microbiology
  OR
- BMS 599 - Health Literacy in the Human Services
- CHM 342 - Organic Chemistry I

- PHY 373 - Radiation Physics

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 14-15

Computational Science Certificate

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

- PHY 291 - Introduction to Computational Physics
- PHY 591 - Computational Methods and Data Analysis in Physical Sciences
- CSC 130 - The World of Computer Science

Three Additional Hours Approved by Certificate Advisor.

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Engineering Geology Certificate

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

- GRY 275 - Introduction to Plane Surveying

- GLG 113 - Earth: The Instruction Manual
  OR
- GLG 114 - Earth: The Survival Guide

- GLG 116 - Earth: The Hands-on Adventure
- GLG 573 - Engineering Geology

One Course From:

- GLG 572 - Geohydrology
- GLG 580 - Geochemistry
- GLG 590 - Applied Geophysics

Note:

The GLG prerequisites for GLG 572, GLG 573, GLG 580 and GLG 590 may be waived for non-geology majors at the discretion of the School of Earth, Environment and Sustainability Director, assuming that the student has already completed GLG 110 and any MTH prerequisites for the course.

Note: Students in the cooperative engineering program may contact the School of Earth, Environment and Sustainability Director to request a substitution from their major program requirements for GRY 275 and GLG 572.

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 13

Completion Requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Environmental Education Certificate

This certificate is jointly offered by Department of Biology and School of Earth, Environment and Sustainability 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 provides 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

- GRY 108 - Principles of Sustainability
- BIO 561 - Environmental Issues Education and Interpretation

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 - Cooperative Education in Biology
- BIO 485 - Marine Conservation
- BIO 527 - Field Biology
- BIO 547 - Water Resources
- BIO 564 - Ozarks Natural Communities
- BIO 579 - Conservation Biology
- GRY 318 - Geography of the National Parks
- GRY 348 - Geomorphology
- GRY 353 - Field Experience in Geography (inside continental USA)
- GRY 399 - Internship in Geography
- GLG 110 - Principles of Geology
- GLG 115 - Life of the Past
- GLG 114 - Earth: The Survival Guide
- GLG 350 - Speleology
- GLG 360 - Directed Field Trips
- GLG 399 - Internship in Geology

- GLG 574 - Petroleum Geology

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 14-16

Completion Requirement

Attain a GPA of 2.50 or higher in the courses used to fulfill the certificate requirements.

Environmental Geoscience Certificate

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

- GRY 137 - Meteorology: Understanding Weather and Climate **AND**
- GRY 138 - Meteorology: Understanding Weather and Climate Laboratory
  OR
- GRY 351 - Sustainable Management of Natural Resources

- GLG 114 - Earth: The Survival Guide
- GLG 116 - Earth: The Hands-on Adventure

- GLG 580 - Geochemistry
  OR
- CHM 460 - Environmental Chemistry: Water and Land
- GRY 108 - Principles of Sustainability
  OR
- GLG 547 - Water Resources

Note:

Students enrolled in sections of BIO 547 cross-listed with GLG 547 may count that course in place of GLG 547.

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 13-14

Completion Requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Foundations of Pharmaceutical Science Certificate

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

- BIO 312 - Microbiology
- BIO 313 - Microbiology Laboratory
- BMS 307 - Human Anatomy
- CHM 170 - General Chemistry II
- CHM 171 - General Chemistry II Laboratory

Complete One of the Following Areas of Emphasis:

Biology:

- BIO 320 - Cellular and Molecular Biology
  OR
- BIO 361 - General Physiology
  OR
- BIO 511 - Immunology

Biomedical Science:

- BMS 308 - Human Physiology
  OR
- BMS 321 - Biomolecular Interactions
  OR
- BMS 442 - Physiology of the Human Cell

Chemistry:

- CHM 342 - Organic Chemistry I
- CHM 345 - Microscale Organic Chemistry Laboratory

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 16-18

Geoarchaeology Certificate

This certificate provides the coursework to broaden the student's background of both the geological and archaeological methods of geoarchaeology. The courses provide the student with the background to apply the methods to investigate archaeological sites and to obtain the background to pursue geoarchaeology at the undergraduate and/or graduate level.

Program Requirements

- GLG 110 - Principles of Geology
- ANT 305 - Introduction to Archaeology

One Course From:

- GLG 314 - Historical Geology
- GLG 590 - Applied Geophysics
- GRY 348 - Geomorphology

One Anthropology Course From:

- ANT 340 - Archaeology of Complex Societies
- ANT 345 - Historical Archaeology
- ANT 351 - Field Archaeology
- ANT 355 - Environmental Archaeology
- ANT 360 - North American Archaeology
- ANT 545 - Cultural Resource Management
- ANT 550 - Advanced Methods in Archaeology

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 13

Completion Requirement

Attain a GPA of 2.50 or higher in all courses used to fulfill the certificate requirements.

Geographic Information Sciences Certificate

This certificate provides a program for students and professionals who desire credentials in this area.

Program Requirements

- GEO 360 - Interpretation of Aerial Photography
- GEO 363 - Introduction to Geographic Information Science
- GEO 551 - Remote Sensing

- GEO 561 - Applied Geographic Information Science

Three Additional Hours From GEO Courses.

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 16

Completion Requirement

Attain a GPA of 2.75 or higher in all courses used to fulfill the certificate requirements.

Geologic Foundations Certificate

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

- GLG 113 - Earth: The Instruction Manual
  OR
- GLG 114 - Earth: The Survival Guide
  OR
- GLG 115 - Life of the Past

- GLG 116 - Earth: The Hands-on Adventure
- GLG 314 - Historical Geology
- GLG 332 - Mineralogy

One Course From:

- GLG 333 - Igneous and Metamorphic Petrology
- GLG 334 - Sedimentary Geology
- GLG 340 - Structural Geology

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 13-14

Completion Requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Globalization and Sustainability Certificate

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 Requirements

- GRY 100 - World Regional Geography
- GRY 108 - Principles of Sustainability
- PLN 100 - Introduction to Urban Studies

Three Additional Hours From:

- GRY 305 - Selected World Regions
- GRY 316 - Geography of Global Health and Disease
- GRY 318 - Geography of the National Parks
- GRY 320 - Cultural Geography
- GRY 321 - Economic Geography
- GRY 322 - Urban Geography
- GRY 323 - World Political Geography
- GRY 351 - Sustainable Management of Natural Resources
- GRY 353 - Field Experience in Geography (inside continental USA)
- GRY 429 - Geography of World Tourism
- GRY 470 - Field Experience in Geography (outside continental USA) or approved Education Abroad experience.

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion Requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

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

- GLG 115 - Life of the Past
- GLG 415 - Invertebrate Paleontology

Two Courses From:

- ANT 125 - Exploring Our Human Ancestry
- ANT 304 - Biological Anthropology
- ANT 375 - Human Evolution
- BIO 122 - General Biology II
- BIO 501 - Natural History Museum Techniques
- BIO 515 - Evolution
- BIO 539 - Biogeography
- GLG 314 - Historical Geology

Note:

The GLG 314 prerequisite requirement for GLG 415 will be waived upon request for Biology, Anthropology, or students with similar backgrounds.

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 12-14

Completion Requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Petroleum Geology Certificate

This certificate provides students the opportunity to demonstrate competencies that are in demand among employers in the petroleum and gas industry.

Program Requirements

- GLG 570 - Principles of Stratigraphy
- GLG 574 - Petroleum Geology
- GLG 572 - Geohydrology
  OR
- GLG 580 - Geochemistry
- GLG 590 - Applied Geophysics
  OR
- GLG 591 - Seismic Data Processing

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion Requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Small Town Planning and Development Certificate

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

Four Courses From:

- PLN 300 - Graphic Communication for Planners
- PLN 367 - Planning Methods
- PLN 370 - Fundamentals of Planning
- PLN 505 - Social Planning
- PLN 570 - Planning Law
- PLN 572 - Community Planning Practicum
- PLN 597 - Selected Topics in Planning
- PLN 599 - Internship in Community and Regional Planning
- GRY 322 - Urban Geography
- GRY 325 - Rural Geography
- LAW 537 - Environmental Regulation

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 12-14

Web Programming Certificate

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

- CSC 130 - The World of Computer Science
- CSC 131 - Computational Thinking
- CSC 335 - Database System Concepts
- CSC 365 - Internet Programming

- CSC 232 - Data Structures
  OR
- CSC 515 - Advanced Internet Programming

OR

- CSC 545 - Computer Speech, Music and Images

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 16

Specialized

Cooperative Engineering Program (Missouri University Science and Technology)

Accreditation

Accreditation Board for Engineering Technology (ABET)

General Information

Missouri State offers engineering in cooperation with Missouri University of Science and Technology (Missouri S&T). Students will earn a Bachelor of Science (BS) in civil, electrical or mechanical engineering. The degree will be awarded by Missouri S&T in cooperation with Missouri State.

For more detailed information, visit the Cooperative Engineering Program website.

Contact

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Reynolds College of Arts, Social Sciences and Humanities

Academic Units

Schools

School of the Arts (Department of Art and Design, Department of Music, Department of Theatre and Dance)

School of Communication (Department of English, Department of Communication, Media, Journalism and Film)

School of Criminology and Criminal Justice

School of Defense and Strategic Studies (Department of Military Science)

School of Humanities and Social Sciences (Department of History, Department of Languages, Cultures and Religions, Department of Political Science and Philosophy, Department of Sociology, Anthropology, and Gerontology)

Contact

Dean

Shawn T. Wahl, PhD

Associate Deans

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Majors

Anthropology (Non-Comprehensive) (BA)

Major Requirements

Required Core:

- ANT 303 - Cultural Anthropology
- ANT 304 - Biological Anthropology
- ANT 305 - Introduction to Archaeology
- ANT 306 - Linguistic Anthropology
- ANT 395 - History of Anthropological Theory

Three Hours in Anthropological Methods From:

**when applicable*

- ANT 313 - Volunteering and Development in the Global South: Anthropological Perspectives
- ANT 321 - Ethnographic Field School
- ANT 345 - Historical Archaeology
- ANT 351 - Field Archaeology
- ANT 361 - Research Methods in Biological Anthropology
- ANT 363 - Survey of Forensic Anthropology
- ANT 397 - Special Topics *
- ANT 400 - Action Anthropology
- ANT 490 - Field Experience in Anthropology
- ANT 499 - Internship in Anthropology *
- ANT 500 - Applied Cultural Anthropology
- ANT 505 - Ethnohistory
- ANT 511 - Ethnographic Field Methods
- ANT 545 - Cultural Resource Management
- ANT 550 - Advanced Methods in Archaeology
- ANT 598 - Seminar in Anthropology *
- ANT 599 - Directed Research in Anthropology *

12 Additional Hours in Anthropology

Up to six hours of Sociology (SOC) courses may be substituted for Anthropology electives here.

No more than six hours at the 100 level can be counted towards completing the major.

Public Affairs Capstone Experience will be fulfilled by completion of:

- ANT 395 - History of Anthropological Theory

Minor Required (or Second Major)

Total Credit Hours: 30

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Anthropology (Non-Comprehensive) (BS)

Major Requirements

Required Core:

- ANT 303 - Cultural Anthropology
- ANT 304 - Biological Anthropology
- ANT 305 - Introduction to Archaeology
- ANT 306 - Linguistic Anthropology
- ANT 395 - History of Anthropological Theory
- SOC 220 - Statistics for Social Research or equivalent

Three Hours in Anthropological Methods From:

- ANT 313 - Volunteering and Development in the Global South: Anthropological Perspectives
- ANT 321 - Ethnographic Field School
- ANT 345 - Historical Archaeology
- ANT 351 - Field Archaeology
- ANT 361 - Research Methods in Biological Anthropology
- ANT 363 - Survey of Forensic Anthropology
- ANT 397 - Special Topics *
- ANT 400 - Action Anthropology
- ANT 490 - Field Experience in Anthropology
- ANT 499 - Internship in Anthropology *
- ANT 500 - Applied Cultural Anthropology
- ANT 505 - Ethnohistory

- ANT 511 - Ethnographic Field Methods
- ANT 545 - Cultural Resource Management
- ANT 550 - Advanced Methods in Archaeology
- ANT 598 - Seminar in Anthropology *
- ANT 599 - Directed Research in Anthropology *

18 Additional Hours in Anthropology

Up to three hours of Sociology (SOC) courses may be substituted for Anthropology electives here.

No more than six hours at the 100 level can be counted towards completing the major.

Public Affairs Capstone Experience will be fulfilled by completion of:

- ANT 395 - History of Anthropological Theory

Minor Required (or Second Major)

Total Credit Hours: 39

*when applicable

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Art (BFA)

Admission requirements

In addition to completing Foundations courses (ART 100, ART 101, ART 110, ART 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.

Major requirements

Major core

Foundations (12 hours):

- ART 100 - 2D Design
- ART 101 - Three-Dimensional Design
- ART 110 - Introduction to New Media
- ART 115 - Drawing I

Studio Core (15 hours):

Complete five courses with at least one from each of the three groups below:

a.

- ART 202 - Color Theory
- ART 215 - Drawing II
- ART 225 - Painting I
- ART 242 - Printmaking I

b.

- ART 212 - Ceramics I
- ART 223 - Metals-Jewelry I
- ART 235 - Sculpture I

c.

- ART 210 - Creative Coding
- ART 230 - Computer Animation I
- ART 254 - Introduction to Digital Photography for Non-Photography Majors and Minors
  OR
- ART 255 - Introduction to Analog Photography

Art History (15 hours):

- ART 271 - History of Western Art I
- ART 272 - History of Western Art II
- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
  OR
- ART 274 - Survey of Asian Art

and six hours of art history electives from:

- ART 377 - History of Graphic and Applied Design
- ART 387 - History of Photography
- ART 388 - The Museum: History and Perspectives
- ART 471 - Islamic Art
- ART 472 - Medieval Art

- ART 475 - Art of the Renaissance
- ART 476 - Women and Art
- ART 478 - Baroque Art
- ART 480 - Modern Art
- ART 483 - Modern Architecture and Urban Forms
- ART 484 - Contemporary Art
- ART 485 - Art of Mesoamerica
- ART 486 - Art of Africa
- ART 487 - Art of the Americas
- ART 488 - Basic Conservation of Art and Artifacts
- ART 496 - Selected Topics in Art History

Senior Exhibition (4 hours):

ART 499 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.

Public Affairs Capstone Experience

will be fulfilled by completion of

- ART 499 - Senior Exhibition

Art and Design Electives (9-15 hours):

additional courses from across the Art and Design course offerings in studio, design, art history, art education, museum studies, or PHI 320 - Aesthetics outside of the area of emphasis (option), nine hours of which must be at the 300 level or higher, chosen with advisement, bringing the total number of hours in Art and Design to no fewer than 76. Students with an emphasis in computer animation or photography may use MED 345 or MED 365 towards fulfillment of this requirement. ART 200 cannot be used to satisfy this requirement.

Total Credit Hours: 55-61

Complete one of the following options (Studio Emphasis area):

Note: 15-21 hours of courses numbered 300 or higher is required.

3D Studies (Ceramics; Metals and Jewelry; Sculpture) option:

Required:

- ART 212 - Ceramics I
- ART 223 - Metals-Jewelry I
- ART 235 - Sculpture I

Additional hours from:

- ART 312 - Ceramics II
- ART 313 - Ceramics III if chosen, must repeat to 6 hours
- ART 314 - Special Topics in Ceramics
- ART 322 - Jewelry and Metalsmithing
- ART 323 - Jewelry, Metals, and Enameling
- ART 324 - Metals and Jewelry III
- ART 335 - Sculpture II
- ART 336 - Figure Modeling
- ART 399 - Individual Instruction
- ART 435 - Sculpture III

Computer Animation option:

Required:

- ART 330 - Computer Animation II
- ART 331 - Computer Animation III
- ART 430 - Computer Animation IV
- ART 431 - Professional Practices in Computer Animation

Additional hours from:

- ART 432 - Computer Animation V
- ART 399 - Individual Instruction

Drawing option:

Required:

- ART 315 - Drawing III
- ART 316 - Life Drawing

Additional hours from:

- ART 399 - Individual Instruction

New Media option:

- ART 310 - Networks and Interfaces
- ART 340 - Physical Computing
- ART 345 - Digital Fabrication
- ART 410 - Seminar in New Media

Additional hours from:

- ART 311 - Video and Sound
- ART 330 - Computer Animation II
- ART 359 - Digital Photography I
- ART 445 - Advanced Digital Fabrication
- DES 340 - Web Design for Design Majors
- DES 345 - Basic New Media Design
- DES 497 - Special Topics in Design
- ITC 260 - Programing Logic and Design for Business

Painting option:

Required:

- ART 325 - Painting II

Additional hours from:

- ART 326 - Painting with Water-Based Media
- ART 399 - Individual Instruction
- ART 425 - Painting III

Photography option:

Required:

- ART 255 - Introduction to Analog Photography

Additional hours from:

- ART 354 - Medium Format Photography
- ART 355 - Large Format Photography
- ART 356 - Color Photography
- ART 357 - Special Topics in Photography
- ART 358 - Studio Photography
- ART 359 - Digital Photography I
- ART 399 - Individual Instruction
- ART 454 - Digital Photography II
- ART 455 - Advanced Photography Seminar

Printmaking option:

Required:

- ART 342 - Printmaking II

Additional hours from:

- ART 343 - Lithography
- ART 399 - Individual Instruction

Total Credit Hours: 76 hours

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Art Education (BSEd)

Admission requirements

In addition to completing Foundations courses (ART 100, ART 101, ART 110, ART 115) students must have a combined GPA (Missouri State and transfer combined) of at least 2.50, GPA in Art Education of 2.50, and a grade of "C" or better 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.

Major requirements

Note: three hours may double count toward General Education requirements.

Specific General Education requirement:

- ART 271 - History of Western Art I
  OR
- ART 272 - History of Western Art II
  OR
- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
  OR
- ART 274 - Survey of Asian Art

Foundations (12 hours):

- ART 100 - 2D Design
- ART 101 - Three-Dimensional Design
- ART 110 - Introduction to New Media
- ART 115 - Drawing I

Art History (9 hours):

- ART 272 - History of Western Art II
- ART 273 - Survey of the Art of Africa, Oceania, and the Americas

One course from

- ART 480 - Modern Art
- ART 484 - Contemporary Art
- ART 485 - Art of Mesoamerica
- ART 486 - Art of Africa
- ART 487 - Art of the Americas

Studio Art (30 hours):

- ART 212 - Ceramics I
- ART 215 - Drawing II
- ART 225 - Painting I
- ART 235 - Sculpture I
- ART 242 - Printmaking I
  OR
- ART 243 - Relief Print
- ART 253 - Fibers
- ART 255 - Introduction to Analog Photography

Three courses from:

- ART 210 - Creative Coding
- ART 223 - Metals-Jewelry I
- ART 312 - Ceramics II
- ART 315 - Drawing III
- ART 322 - Jewelry and Metalsmithing
- ART 323 - Jewelry, Metals, and Enameling
- ART 325 - Painting II
- ART 335 - Sculpture II
- ART 342 - Printmaking II
- ART 359 - Digital Photography I
- DES 300 - Graphics for the Non-Design Major
- PHI 320 - Aesthetics

or two courses plus

- ART 354 - Medium Format Photography
  OR
- ART 355 - Large Format Photography
  OR
- ART 356 - Color Photography

Art Education (15 hours):

- ART 360 - General Methods of Instruction in Art Education in the Middle and Secondary Schools
- ART 366 - Multicultural Art Education and Diversity in Elementary Schools

- ART 401 - Teaching of Artistic Practices with Classroom Management and Assessment in Art Education
- ART 460 - Critical Studies in Art Education
- ART 466 - Art Education Practicum

Public Affairs Capstone Experience

will be fulfilled by completion of

- ART 490 - Supervised Teaching

Total Credit Hours: 69

Professional Education requirements:

Note: A grade of "C" or better in each course is required for state certification.

- PSY 360 - Educational Psychology
- LTC 474 - Reading and Writing in the Content Fields
- SPE 340 - Educational Alternative for Exceptional Students
  Note: Teaching methods and supervised teaching are also listed in Art Education above: ART 360, ART 366, ART 401, ART 466, ART 490

Teacher Education Requirements:

This program also requires compliance with Teacher Education for eligibility to enroll in Professional Education courses; admission to and continuance in Teacher Education; 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 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under major requirements.
2. at least a 3.00 GPA in any additional certificate subject area.
3. at least a 3.00 GPA in the professional education courses which includes all courses in number 1 and 2; and no grade lower than a "C" in all professional education courses.

Some Professional Education courses require admission to Teacher Education. Students must consult their program for any additional admission to Teacher Education and degree requirements. The program outlined above has been designed to prepare teachers and to meet the requirements for Missouri state teacher certification.

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Art Education

Eligible students in this major may apply to the Master of Art Education program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Communication Studies (Comprehensive) (BS)

Major requirements

Note: six hours may double count in General Education requirements.

Specific General Education requirements:

- COM 115 - Fundamentals of Public Speaking
- COM 260 - Communicating with Cultural Competence

Communication Core:

- COM 205 - Interpersonal Communication Theory and Skills
- COM 209 - Survey of Communication Theory
- COM 210 - Communication Research Methods
- COM 350 - The Rhetorical Tradition and Contemporary Applications

Communication Electives (24 hours) from:

May count up to a combined six hours of COM 494, 495, or 496 toward the Communication Electives.

- COM 206 - Introduction to Health Communication
- COM 307 - Gender and Communication
- COM 309 - Principles of Public Relations
- COM 315 - Advanced Speaking in Professional Settings
- COM 321 - Inter-Collegiate Debating
- COM 322 - Introduction to Argumentation
- COM 325 - Nonverbal Communication
- COM 326 - Effective Listening
- COM 328 - Persuasion
- COM 332 - Small Group Communication
- COM 336 - Communication in Organizations
- COM 338 - Communication Strategies for Recruitment in Organizations
- COM 360 - Intercultural Communication Theory and Research
- COM 368 - Communicating Culture and Identity
- COM 379 - Writing for Public Relations
- COM 390 - Communication and Aging
- COM 397 - Topics in Communication
- COM 405 - Advanced Interpersonal Communication
- COM 406 - Family Communication
- COM 408 - Patient-Provider Communication
- COM 410 - Conflict and Communication
- COM 412 - Communication and Diversity in the Workplace
- COM 413 - Ethical Issues in Communication
- COM 423 - Contemporary Topics in Conflict

- COM 436 - Communication and Leadership
- COM 437 - Advanced Organizational Communication
- COM 439 - Techniques and Cases in Public Relations
- COM 450 - Political Communication
- COM 452 - Communication Technology and Politics
- COM 454 - Presidential Rhetoric
- COM 459 - Social Media Analytics for Public Relations
- COM 466 - Social Movement Communication
- COM 468 - Ethnography in Communication Research
- COM 469 - Global Public Relations
- COM 479 - Strategic Communication for Events
- COM 494 - Conflict Internship
- COM 495 - Communication Internship
- COM 496 - Independent Study in Communication
- COM 509 - Communication Campaigns
- COM 521 - Communication, Mediation, and Negotiation
- COM 597 - Studies in Communication Theory and Practice

Secondary Area of Study (18 hours):

Because of the diverse, fluid, and rapidly changing character of our networked era demands unprecedented flexibility in educational opportunities for students, students may select upper-division courses that best support their goals in consultation with an advisor. These 18 hours may be in satisfaction of Plan A or Plan B.

Plan A:

A concentration of at least 18 upper-division hours in a single area of study outside the discipline of communication.

Plan B:

A coherent combination of at least 18 upper-division hours in no more than three areas of study. No more than 9 hours of communication courses may be used to satisfy Plan B.

Public Affairs Capstone Experience:

- COM 322 - Introduction to Argumentation
  OR
- COM 350 - The Rhetorical Tradition and Contemporary Applications
  OR
- COM 495 - Communication Internship

No course may be used to satisfy more than one requirement within the Communication Studies major and students majoring in Communication Studies cannot pursue a Communication or Ethical Leadership minor.

Total Credit Hours: 60

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Criminology and Criminal Justice (Comprehensive) (BA)

Major requirements

Note: Six hours may double count toward General Education requirements.

Lower division core:

All must be completed before enrolling in required courses at the 300 level or higher.

- CRM 210 - Introduction to the American Criminal Justice System
- CRM 220 - Criminology
- CRM 250 - Policing
- CRM 260 - Criminal Law and the Courts
- CRM 270 - Institutional and Community-Based Corrections

Upper division core:

- CRM 330 - Juvenile Justice
- CRM 340 - Research Methods in Criminology and Criminal Justice
- CRM 341 - Introduction to Criminal Justice Data
- CRM 365 - Criminal Procedure
- CRM 415 - Difference and Diversity in Criminology
- CRM 494 - Program Assessment in Criminology and Criminal Justice
- CRM 496 - Senior Seminar in Criminology and Criminal Justice

12 additional hours in Criminology courses numbered 300 or higher.

Public Affairs Capstone Experience will be fulfilled by completion of:

- CRM 496 - Senior Seminar in Criminology and Criminal Justice

Total Credit Hours: 45

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Accelerated graduate program in Criminology and Criminal Justice

Eligible students in this major may apply to the Master of Science in Criminology and Criminal Justice program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Criminology and Criminal Justice (Comprehensive) (BS)

Major requirements

Note: Six hours may double count toward General Education requirements.

Lower division core:

All must be completed before enrolling in required courses at the 300 level or higher.

- CRM 210 - Introduction to the American Criminal Justice System
- CRM 220 - Criminology
- CRM 250 - Policing
- CRM 260 - Criminal Law and the Courts
- CRM 270 - Institutional and Community-Based Corrections

Upper division core:

- CRM 330 - Juvenile Justice
- CRM 340 - Research Methods in Criminology and Criminal Justice
- CRM 341 - Introduction to Criminal Justice Data
- CRM 365 - Criminal Procedure
- CRM 415 - Difference and Diversity in Criminology
- CRM 494 - Program Assessment in Criminology and Criminal Justice
- CRM 496 - Senior Seminar in Criminology and Criminal Justice

12 additional hours in Criminology courses numbered 300 or higher.

Public Affairs Capstone Experience will be fulfilled by completion of:

- CRM 496 - Senior Seminar in Criminology and Criminal Justice

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Criminology and Criminal Justice

Eligible students in this major may apply to the Master of Science in Criminology and Criminal Justice program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Culture, Literature, and Media (Non-Comprehensive) (BA)

Major requirements

Note: six hours may double count in General Education requirements.

Major core (24 hours)

Specific General Education requirement:

- MED 120 - Mass Media and Society

- ENG 200 - Great Books and Instant Classics
  OR
- ENG 289 - Literature, Culture, and Social Justice

Departmental required courses:

- ENG 235 - Critical Approaches to Literature
- ENG 366 - Popular Fiction
- ENG 559 - Modern American Literature
- MED 274 - Introduction to Film
- MED 375 - History of Film II
- MED 454 - Media Analysis and Criticism

Minor required (or second major).

Note: No course may count for both the Culture, Literature and Media major and a Film Studies, Mass Media, or English minor.

Complete one of the following options:

Literature option (15 hours):

- ENG 317 - Introduction to Popular Culture Studies (may be taught concurrently with MED 317; identical with/cannot receive credit for both ENG 317 and MED 317)
  Public Affairs Capstone Experience:
- ENG 599 - Advanced Seminar in Literature

Nine hours from:

- ENG 323 - Literature of Sequential Art
- ENG 341 - Survey of English Literature II

- ENG 351 - Survey of American Literature II
- ENG 354 - Ethnic American Literature
- ENG 355 - African American Literature
- ENG 362 - Non-European World Literature
- ENG 386 - Literature of the Ozarks
- ENG 483 - Folklore and Literature
- ENG 517 - The American Novel
- ENG 526 - Rhetorics for the 21st Century
- ENG 536 - Young Adult Novel
- ENG 547 - Modern British Literature
- ENG 554 - Topics in Ethnic American Literature
- ENG 558 - Major American Authors
- ENG 562 - Contemporary American Poetry/Fiction
- ENG 563 - Literature and Medicine
- ENG 580 - Gender Issues in Language and Literature
  When applicable, ENG 330, ENG 362, ENG 548, or other upper division ENG course may be applied with advisor approval.

Media option (15 hours):

- MED 317 - Introduction to Popular Culture Studies (may be taught concurrently with ENG 317; identical with/cannot receive credit for both ENG 317 and MED 317)
  Public Affairs Capstone Experience:
- MED 581 - Media Ethics and Law

Nine hours from:

- MED 304 - Media Effects
- MED 325 - Media History
- MED 355 - Social Media
- MED 374 - History of Film I
- MED 412 - Documentary Storytelling
- MED 450 - Media Ecology
- MED 470 - Special Topics in Film
- MED 570 - Film Theory
- MED 580 - Media in Politics
- MED 597 - Advanced Studies in Media
  When applicable, MED 300, MED 492, MED 595, or other upper division MED courses may be applied with advisor approval.

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Policies & Requirements
3. Bachelor of Arts Degree Requirements

Total credit hours: 39

Culture, Literature, and Media (Non-Comprehensive) (BS)

Major requirements

Note: six hours may double count in General Education requirements.

Major core (24 hours):

Specific General Education requirement:

- MED 120 - Mass Media and Society

- ENG 200 - Great Books and Instant Classics
  OR
- ENG 289 - Literature, Culture, and Social Justice

Departmental required courses:

- ENG 235 - Critical Approaches to Literature
- ENG 366 - Popular Fiction
- ENG 559 - Modern American Literature
- MED 274 - Introduction to Film
- MED 375 - History of Film II
- MED 454 - Media Analysis and Criticism

Specific Bachelor of Arts Degree Requirements

Minor required (or second major).

Note: No course may count for both the Culture, Literature and Media major and a Film Studies, Mass Media, or English minor.

Complete one of the following options:

Literature option (15 hours):

- ENG 317 - Introduction to Popular Culture Studies (may be taught concurrently with MED 317; identical with/cannot receive credit for both ENG 317 and MED 317)
  Public Affairs Capstone Experience:
- ENG 599 - Advanced Seminar in Literature

Nine hours from:

- ENG 323 - Literature of Sequential Art
- ENG 341 - Survey of English Literature II
- ENG 351 - Survey of American Literature II

- ENG 354 - Ethnic American Literature
- ENG 355 - African American Literature
- ENG 362 - Non-European World Literature
- ENG 386 - Literature of the Ozarks
- ENG 483 - Folklore and Literature
- ENG 517 - The American Novel
- ENG 526 - Rhetorics for the 21st Century
- ENG 536 - Young Adult Novel
- ENG 547 - Modern British Literature
- ENG 554 - Topics in Ethnic American Literature
- ENG 558 - Major American Authors
- ENG 562 - Contemporary American Poetry/Fiction
- ENG 563 - Literature and Medicine
- ENG 580 - Gender Issues in Language and Literature
  When applicable, ENG 330, ENG 362, ENG 548, or other upper division ENG course may be applied with advisor approval.

Media option (15 hours):

- MED 317 - Introduction to Popular Culture Studies (may be taught concurrently with ENG 317; identical with/cannot receive credit for both ENG 317 and MED 317)
  Public Affairs Capstone Experience:
- MED 581 - Media Ethics and Law

Nine hours from:

- MED 304 - Media Effects
- MED 325 - Media History
- MED 355 - Social Media
- MED 374 - History of Film I
- MED 412 - Documentary Storytelling
- MED 450 - Media Ecology
- MED 470 - Special Topics in Film
- MED 570 - Film Theory
- MED 580 - Media in Politics
- MED 597 - Advanced Studies in Media
  When applicable, MED 300, MED 492, MED 595, or other upper division MED courses may be applied with advisor approval.

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Policies & Requirements

Dance (Non-Comprehensive) (BS)

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.

Major requirements

Dance techniques (21 hours).

Contemporary (3 hours):

- DAN 216 - Elementary Contemporary
- DAN 316 - Intermediate Contemporary
- DAN 416 - Advanced Contemporary

Tap (3 hours):

- DAN 225 - Elementary Tap
- DAN 325 - Tap Dance III
- DAN 425 - Advanced Tap

Ballet (3 hours):

- DAN 230 - Elementary Ballet
- DAN 330 - Intermediate Ballet
- DAN 430 - Advanced Ballet

Jazz (3 hours):

- DAN 245 - Elementary Jazz
- DAN 345 - Intermediate Jazz
- DAN 445 - Advanced Jazz

Technique electives (9 hours):

Nine additional hours from contemporary, tap, ballet, and/or jazz categories.

Partnered Techniques (3 hours):

- DAN 319 - Contact Improvisation
  OR
- DAN 348 - Partnering

Composition/Choreography (11 hours):

- DAN 220 - Dance Composition I: Improvisation
- DAN 372 - Music Resources for Dancers
- DAN 420 - Dance Composition II: Choreographic Tools
- DAN 520 - Practicum

Dance Theory (12 hours):

- DAN 350 - Research Methods for Dance
- DAN 364 - Applied Kinesiology for the Dancer
- DAN 552 - Dance History Seminar
- DAN 565 - Dance Pedagogy

Professional development (3 hours):

- DAN 240 - First-Year Seminar: Introduction to the Profession
- DAN 482 - Senior Project in Dance

Public Affairs Capstone Experience will be fulfilled by completion of:

- DAN 552 - Dance History Seminar
- DAN 565 - Dance Pedagogy

Minor required (or second major).

Total Credit Hours: 50

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Design (BFA)

Admission requirements

In addition to completing Foundations courses (ART 100, ART 101, ART 110, ART 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 ART 215, ART 202, DES 202, DES 210, DES 301, DES 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 1-credit hour. Permission to take an internship for credit must be obtained from the Design Program Coordinator before the work is done. For more information on how to enroll in DES 499 contact the Design Program Coordinator.

Major requirements

Major core

Foundations (12 hours):

- ART 100 - 2D Design
- ART 101 - Three-Dimensional Design
- ART 110 - Introduction to New Media
- ART 115 - Drawing I

Design core (18 hours):

- ART 202 - Color Theory
- ART 215 - Drawing II
- DES 202 - Graphic Design Systems
- DES 210 - Introduction to Computer Graphic Design
- DES 301 - Graphic Production
- DES 303 - Basic Typography

Art History (15 hours):

- ART 271 - History of Western Art I
- ART 272 - History of Western Art II

- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
  OR
- ART 274 - Survey of Asian Art

- ART 377 - History of Graphic and Applied Design

One additional 300- or 400- level Art History course from:

- ART 387 - History of Photography
- ART 471 - Islamic Art
- ART 472 - Medieval Art
- ART 475 - Art of the Renaissance
- ART 476 - Women and Art
- ART 478 - Baroque Art
- ART 480 - Modern Art
- ART 483 - Modern Architecture and Urban Forms
- ART 484 - Contemporary Art
- ART 485 - Art of Mesoamerica
- ART 486 - Art of Africa
- ART 487 - Art of the Americas
- ART 496 - Selected Topics in Art History

Studio Art (12 hours):

- ART 225 - Painting I
- ART 254 - Introduction to Digital Photography for Non-Photography Majors and Minors
  OR
- ART 255 - Introduction to Analog Photography
- ART 315 - Drawing III
- ART 235 - Sculpture I
  OR
- ART 242 - Printmaking I

Professional Design Practicum (4 hours):

- DES 490 - Professional Design Practicum

Public Affairs Capstone Experience

will be fulfilled by completion of

- DES 490 - Professional Design Practicum

Total Credit Hours: 61

Complete one of the following options:

Graphic Design option (18 hours):

- DES 330 - Communication Design/Methodology

- DES 331 - Advanced Typography
- DES 332 - Image Design
- DES 340 - Web Design for Design Majors
- DES 430 - Advanced Graphics

Three hours in Design from:

- DES 345 - Basic New Media Design
- DES 440 - Advanced Web Design for Design Majors
- DES 497 - Special Topics in Design

Illustration option (18 hours):

- DES 250 - Materials and Techniques for Illustration
- DES 350 - Illustration
- DES 452 - Intermediate Illustration

Six hours of

- DES 497 - Special Topics in Design -Special Topics in Illustration-may not repeat the same topic.

Three hours from:

Computer Animation:

- ART 230 - Computer Animation I

Design:

- DES 345 - Basic New Media Design
- DES 497 - Special Topics in Design may not be same topic.

Digital Imaging:

- ART 310 - Networks and Interfaces
- ART 410 - Seminar in New Media

Drawing and Painting:

- ART 315 - Drawing III *
- ART 316 - Life Drawing
- ART 325 - Painting II

Photography:

- ART 354 - Medium Format Photography
- ART 355 - Large Format Photography
- ART 356 - Color Photography
- ART 357 - Special Topics in Photography
- ART 358 - Studio Photography
- ART 359 - Digital Photography I
- ART 454 - Digital Photography II

Printmaking:

- ART 242 - Printmaking I *
- ART 243 - Relief Print
- ART 342 - Printmaking II
- ART 343 - Lithography

* ART 315 and ART 242 cannot be counted both here and toward the Studio Art core requirement, however, ART 315 may be repeated.

Sequential Art option (18 hours):

Sequential art (9 hours):

- DES 220 - Materials and Techniques for Sequential Art
- DES 320 - Intermediate Sequential Art
- DES 420 - Advanced Sequential Art

Graphic literature and writing theory (6 hours):

- ENG 216 - Introduction to the Graphic Novel
- DES 323 - Literature of Sequential Art

Three hours of electives from:

- Any creative writing or literature course with approval of advisor.
  Computer Animation:
- ART 230 - Computer Animation I
  Design:
- DES 345 - Basic New Media Design
- DES 497 - Special Topics in Design -may not be same topic.
  Digital Imaging:
- ART 310 - Networks and Interfaces
- ART 410 - Seminar in New Media
  Drawing and Painting:
- ART 315 - Drawing III *
- ART 316 - Life Drawing
- ART 325 - Painting II
  Photography:
- ART 354 - Medium Format Photography
- ART 355 - Large Format Photography
- ART 356 - Color Photography
- ART 357 - Special Topics in Photography
- ART 358 - Studio Photography
- ART 359 - Digital Photography I
- ART 454 - Digital Photography II
  Printmaking:
- ART 242 - Printmaking I *
- ART 243 - Relief Print
- ART 342 - Printmaking II
- ART 343 - Lithography

*ART 315 and ART 242 cannot be counted both here and toward the Studio Art core requirement.

Graphic Design and Illustration option (33 hours):

15 hours in graphic design:

- DES 330 - Communication Design/Methodology
- DES 331 - Advanced Typography
- DES 332 - Image Design
- DES 340 - Web Design for Design Majors
- DES 430 - Advanced Graphics

Nine hours in illustration:

- DES 250 - Materials and Techniques for Illustration
- DES 350 - Illustration
- DES 452 - Intermediate Illustration

Six hours of:

- DES 497 - Special Topics in Design -Special Topics in Illustration-may not repeat the same topic.

Three hours of design electives:

- DES 345 - Basic New Media Design
- DES 440 - Advanced Web Design for Design Majors
- DES 497 - Special Topics in Design -Special Topics in Illustration-may not repeat the same topic.

Total Credit Hours: 79-94

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Digital Film and Television Production (Comprehensive) (BS)

Major requirements

Note: three hours may double count in General Education requirements.

Specific General Education requirement:

- MED 120 - Mass Media and Society

Departmental required courses:

- MED 130 - Media Professionalism
- MED 304 - Media Effects

- MED 581 - Media Ethics and Law

Public Affairs Capstone Experience will be fulfilled by completion of:

- MED 581 - Media Ethics and Law

General Mass Media courses:

- MED 274 - Introduction to Film
- MED 454 - Media Analysis and Criticism

Theory-three hours from:

- MED 355 - Social Media
- MED 370 - Color Theory
- MED 570 - Film Theory

History-three hours from:

- MED 325 - Media History
- MED 374 - History of Film I
- MED 375 - History of Film II

Digital Film and Television Production courses:

Beginning Production:

- MED 345 - Fundamentals of Media Production
- MED 365 - Digital Film and Media Production

Screenwriting:

- MED 360 - Beginning Screenwriting

three hours from:

- MED 464 - Genre Writing for Film and Television
- MED 565 - Intermediate Screenwriting
- MED 566 - Writing for Television

Audio Production-three hours from:

- MED 361 - Introduction to Sound Recording for Media
- MED 382 - Audio Post-Production
- MED 461 - Sound Editing

Editing:

- MED 461 - Sound Editing
  OR
- MED 466 - Editing for Film and Television

Intermediate Production-nine hours from:

- MED 383 - Television Production
- MED 462 - TV/Film Producing
- MED 465 - Principles of Cinematography
- MED 466 - Editing for Film and Television
- MED 472 - Directing the Short Film
- MED 483 - Intermediate Production
- MED 582 - Producing the Feature Film

Capstone Production-six hours from:

- MED 552 - Preproduction
- MED 561 - Sound Mixing
- MED 562 - Digital Filmmaking Capstone
- MED 583 - Advanced Television Production
- MED 596 - Postproduction
- MED 597 - Advanced Studies in Media

Three additional hours from

- MED 300 - Special Topics in Media
- MED 470 - Special Topics in Film
- MED 492 - Independent Study in Electronic Media
- MED 595 - Media Internship
- MED 597 - Advanced Studies in Media
- or any JRN or MED courses.

No course may be used to satisfy more than one requirement within the Digital Film and Television Production major.

Note:

Students majoring in Digital Film and Television Production cannot complete a minor in Mass Media. Students may select, as an optional minor, Film Studies, Journalism, Screenwriting or any other BS minor.

Total Credit Hours: 60

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Electronic Arts (Comprehensive) (BS)

This program is offered in conjunction with the Department of Communication, Media, Journalism and 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): two courses from ART 110, MED 365, MUS 216. 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.
    b. Computer Animation Studies: ART 110.
    c. Interactive New Media Studies: ART 110.
    d. Video Studies: MED 365.
2. Pre-admission core course (3 hours): one course from ART 210, ART 230, or MED 361. Note: Computer Animation students must complete ART 230 and Interactive New Media students must complete ART 210.

Note: All Electronic Media majors must complete all three foundation courses to satisfy graduation requirements.

Initial portfolio review

Portfolio must include three examples of audio, video, interactive new media, and/or computer animation work; one work must come from outside the option area to which the student is applying; and two of the three works coming from a course with the Electronics Arts program. 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.

Major requirements

Major core

- ART 110 - Introduction to New Media
- MED 365 - Digital Film and Media Production
- MUS 216 - Introduction to Audio Techniques
- ART 300 - Fundamentals of Collaboration in Electronic Arts

One course from:

Note: course **cannot** be double-counted toward the student's selected 18 hour option.

- ART 210 - Creative Coding
- ART 230 - Computer Animation I
- MED 361 - Introduction to Sound Recording for Media
- MED 382 - Audio Post-Production

Six hours from:

- ART 498 - Senior Project in Electronic Arts
  OR
- MED 498 - Senior Project in Electronic Arts

Complete 12-15 hours from the following history and/or theory courses:

Note: chosen courses may only be used once in the major.

- ART 271 - History of Western Art I
- ART 272 - History of Western Art II
- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
- ART 274 - Survey of Asian Art
- ART 480 - Modern Art
- ART 484 - Contemporary Art
- ART 492 - Art and Theory
- MED 300 - Special Topics in Media
- MED 304 - Media Effects
- MED 325 - Media History
- MED 355 - Social Media
- MED 374 - History of Film I
- MED 375 - History of Film II
- MED 412 - Documentary Storytelling
- MED 454 - Media Analysis and Criticism
- MED 470 - Special Topics in Film
- MED 570 - Film Theory
- MED 580 - Media in Politics
- MED 581 - Media Ethics and Law
- MUS 239 - Introduction to World Music
- MUS 241 - The Language of Music

18-21 hours of additional supporting electives:

With advisor approval complete 18-21 hours of additional supporting electives (courses not already used to fulfill a major requirement) to best augment the major option. Choose from:

- ART 100 - 2D Design
- ART 101 - Three-Dimensional Design
- ART 115 - Drawing I
- any ART or DES or MED or MUS course.

Junior portfolio review:

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 - Senior Project in Electronic Arts/MED 498 - Senior Project in Electronic Arts, will be granted.

Public Affairs Capstone Experience

will be fulfilled by completion of

- ART 498 - Senior Project in Electronic Arts
  OR
- MED 498 - Senior Project in Electronic Arts

Total Credit Hours: 51

Complete one of the following options:

Audio Studies option

Refer to Department of Communication, Media, Journalism and Film section of catalog.

Computer Animation Studies option

Department of Art and Design

- ART 230 - Computer Animation I

- MED 465 - Principles of Cinematography
  OR
- MED 466 - Editing for Film and Television

12 hours with advisor approval from:

Computer Animation Studies students must complete ART 230 before making a portfolio application to the program.

- ART 330 - Computer Animation II
- ART 331 - Computer Animation III
- ART 399 - Individual Instruction
- ART 430 - Computer Animation IV
- ART 431 - Professional Practices in Computer Animation
- ART 432 - Computer Animation V

Interactive New Media Studies option

Department of Art and Design

- ART 210 - Creative Coding
- ART 310 - Networks and Interfaces
- ART 340 - Physical Computing
- ART 410 - Seminar in New Media

Six hours from:

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.

- ART 311 - Video and Sound
- ART 345 - Digital Fabrication
- ART 445 - Advanced Digital Fabrication
- MED 355 - Social Media
- MED 466 - Editing for Film and Television
- MED 492 - Independent Study in Electronic Media
- DES 202 - Graphic Design Systems
- DES 340 - Web Design for Design Majors
- ITC 260 - Programing Logic and Design for Business

Video Studies option

Refer to Department of Communication, Media, Journalism and Film section of catalog.

Total Credit Hours: 69

University level requirements

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Electronic Arts (Comprehensive) (BS)

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.

All Electronic Media majors must complete all three foundation courses to satisfy graduation requirements.

Foundation courses

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:

Two courses from:

- ART 110 - Introduction to New Media
- MED 365 - Digital Film and Media Production
- MUS 216 - Introduction to Audio Techniques

Audio Studies:

- MUS 216 - Introduction to Audio Techniques

Computer Animation Studies:

- ART 110 - Introduction to New Media

Interactive New Media Studies:

- ART 110 - Introduction to New Media

Video Studies:

- MED 365 - Digital Film and Media Production

Pre-admission core course. One course from:

Note: Computer Animation students must complete ART 230 and Interactive New Media students must complete ART 210 .

- ART 210 - Creative Coding
- ART 230 - Computer Animation I
- MED 361 - Introduction to Sound Recording for Media

Initial portfolio review

Portfolio must include three examples of audio, video, interactive new media, and/or computer animation work; one work must come from outside the option area to which the student is applying; and two of the three works coming from a course with the Electronics Arts program. 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.

Major requirements

Major core (51 hours):

- ART 110 - Introduction to New Media
- MED 365 - Digital Film and Media Production
- MUS 216 - Introduction to Audio Techniques
- ART 300 - Fundamentals of Collaboration in Electronic Arts

One course from:

Note: course **cannot** be double-counted toward the student's selected 18 hour option.

- ART 210 - Creative Coding
- ART 230 - Computer Animation I
- MED 361 - Introduction to Sound Recording for Media

- MED 382 - Audio Post-Production

Six hours from

- ART 498 - Senior Project in Electronic Arts
  OR
- MED 498 - Senior Project in Electronic Arts

Complete 12-15 hours from the following history and/or theory courses:

Note: chosen courses may only be used once in the major.

- ART 271 - History of Western Art I
- ART 272 - History of Western Art II
- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
- ART 274 - Survey of Asian Art
- ART 480 - Modern Art
- ART 484 - Contemporary Art
- ART 492 - Art and Theory
- MED 300 - Special Topics in Media
- MED 304 - Media Effects
- MED 325 - Media History
- MED 355 - Social Media
- MED 374 - History of Film I
- MED 375 - History of Film II
- MED 412 - Documentary Storytelling
- MED 454 - Media Analysis and Criticism
- MED 470 - Special Topics in Film
- MED 570 - Film Theory
- MED 580 - Media in Politics
- MED 581 - Media Ethics and Law
- MUS 239 - Introduction to World Music
- MUS 241 - The Language of Music

With advisor approval complete 18-21 hours of additional supporting electives:

(courses not already used to fulfill a major requirement) to best augment the major option. Choose from:

- ART 100 - 2D Design
- ART 101 - Three-Dimensional Design
- ART 115 - Drawing I
- or any ART or DES or MED or MUS course.

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 - Senior Project in Electronic Arts/MED 498 - Senior Project in Electronic Arts, will be granted.

Public Affairs Capstone Experience will be fulfilled by completion of:

- ART 498 - Senior Project in Electronic Arts
  OR
- MED 498 - Senior Project in Electronic Arts

Complete one of the following options

Audio Studies option

Department of Communication, Media, Journalism and Film

- MED 461 - Sound Editing
- MED 561 - Sound Mixing
- MUS 100 - Music Fundamentals
- MUS 316 - Advanced Audio Recording Techniques

Seven hours from:

Audio Studies students must complete MUS 216 before making a portfolio application to the program.

- MED 361 - Introduction to Sound Recording for Media
- MED 382 - Audio Post-Production
- MED 492 - Independent Study in Electronic Media
- MED 595 - Media Internship
- MUS 103 - Theory and Musicianship I
- MUS 137 - Piano Class I
- MUS 327 - Composition Class
- MUS 399 - Special Topics in Music
- MUS 416 - Recording Arts Practicum
- MUS 529 - Introduction to Commercial Music
- THE 558 - Sound Design for the Theatre

Computer Animation Studies option

Refer to Department of Art and Design section of catalog.

Interactive New Media Studies option

Refer to Department of Art and Design section of catalog.

Video Studies option

Department of Communication, Media, Journalism and Film

- ART 230 - Computer Animation I
- MED 465 - Principles of Cinematography

12 hours from:

Video Studies students must complete MED 365 before making a portfolio application to the program.

- MED 360 - Beginning Screenwriting
- MED 462 - TV/Film Producing
- MED 466 - Editing for Film and Television
- MED 472 - Directing the Short Film
- MED 492 - Independent Study in Electronic Media
- MED 562 - Digital Filmmaking Capstone
- MED 565 - Intermediate Screenwriting
- MED 582 - Producing the Feature Film
- MED 583 - Advanced Television Production
- MED 593 - Rewriting Features and Pilots
- MED 595 - Media Internship

Total Credit Hours: 69

University level requirements

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

English (BSEd)

Major requirements (42 hours):

Note: nine hours may double count in General Education requirements.

- ENG 235 - Critical Approaches to Literature
- ENG 338 - Literature for Young Adults
- ENG 390 - Modern English Grammar
- ENG 520 - Composition and Rhetoric in High School and Junior College
- ENG 521 - Writing for Teachers
- ENG 491 - History of the English Language
  OR
- ENG 494 - Dialects of American English

- ENG 312 - Introduction to Shakespeare Students may substitute ENG 513 for ENG 312 but may not count ENG 513 as their required 500-level ENG elective course.

Specific General Education requirements needed to meet state certification:

- ENG 110 - Writing I
- ENG 321 - Writing II: Beginning Technical Writing
- PSY 121 - Introductory Psychology

One course from:

- ENG 350 - Survey of American Literature I
- ENG 351 - Survey of American Literature II
- ENG 517 - The American Novel
- ENG 519 - American Drama
- ENG 553 - American Romantic Literature
- ENG 557 - American Realism
- ENG 558 - Major American Authors
- ENG 559 - Modern American Literature
- ENG 562 - Contemporary American Poetry/Fiction

One course from:

- ENG 354 - Ethnic American Literature
- ENG 355 - African American Literature
- ENG 455 - African American Drama

One course from:

- ENG 340 - Survey of English Literature I
- ENG 341 - Survey of English Literature II
- ENG 362 - Non-European World Literature
- ENG 512 - The British Novel
- ENG 541 - Renaissance Literature
- ENG 543 - Restoration and 18th Century Literature
- ENG 544 - British Romantic Literature
- ENG 546 - Victorian Literature
- ENG 547 - Modern British Literature
- ENG 548 - Major British Authors
- ENG 568 - Major World Authors

One additional 400 or 500-level ENG elective course (3 hours)

not taken to fulfill another major or Professional Education requirement.

Public Affairs Capstone Experience will be fulfilled by completion of:

- ENG 432 - Supervised Teaching (Secondary English)
- ENG 433 - Supervised Teaching (Secondary English)

Professional Education requirements (38 hours):

Note: A grade of "C" or better in each course is required for state certification.

- ENG 576 - Reading Instruction, Assessment, and Remediation in Secondary ELA Classrooms

- ENG 577 - Teaching Adolescent Readers in ELA Classrooms

Teaching methods and supervised teaching (21 hours)

- ENG 304 - General Methods of English Language Arts Instruction in Middle and Secondary Schools
- ENG 405 - Teaching of Middle and High School English
- ENG 432 - Supervised Teaching (Secondary English)
- ENG 433 - Supervised Teaching (Secondary English)

Additional Professional Education Required Core and Competencies

Refer to Teacher Education and Teacher Certification Requirements .

Teacher Education Requirements:

This program also requires compliance with Teacher Education for eligibility to enroll in Professional Education courses; admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.

a. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under major requirements.
b. at least a 3.00 GPA in any additional certificate subject area.
c. at least a 3.00 GPA in the professional education courses which includes all courses in number 1 and 2; and no grade lower than a "C" in all professional education courses.

University level requirements:

1. General Education Program and Requirements
2. 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 110, ENG 210 and ENG 221, English courses counted toward the major orminor can also be counted toward the General Education requirements.

English (Non-Comprehensive) (BA)

Major requirements

Major core (21 hours):

Introductory Experience (9 hours):

- ENG 235 - Critical Approaches to Literature

and one course from

- ENG 203 - Creative Writing: Poetry
- ENG 205 - Creative Writing: Nonfiction
- ENG 215 - Creative Writing: Short Story
- ENG 216 - Introduction to the Graphic Novel
- ENG 225 - Creative Writing: Playwriting
- ENG 339 - Writing for Children and Young Adults

and one course from

- ENG 200 - Great Books and Instant Classics
- ENG 282 - Literature by Women
- ENG 283 - Folklore and Cultural Engagement
- ENG 289 - Literature, Culture, and Social Justice

American Literature (3 hours):

- ENG 350 - Survey of American Literature I
- ENG 351 - Survey of American Literature II
- ENG 517 - The American Novel
- ENG 519 - American Drama
- ENG 553 - American Romantic Literature
- ENG 557 - American Realism
- ENG 558 - Major American Authors
- ENG 559 - Modern American Literature
- ENG 562 - Contemporary American Poetry/Fiction

British Literature (3 hours):

- ENG 312 - Introduction to Shakespeare
- ENG 340 - Survey of English Literature I
- ENG 341 - Survey of English Literature II
- ENG 510 - Chaucer
- ENG 512 - The British Novel
- ENG 513 - Shakespeare
- ENG 514 - British Drama
- ENG 541 - Renaissance Literature
- ENG 543 - Restoration and 18th Century Literature
- ENG 544 - British Romantic Literature
- ENG 546 - Victorian Literature
- ENG 547 - Modern British Literature
- ENG 548 - Major British Authors
- ENG 598 - Early English Language and Literature

Diversity (3 hours):

- ENG 354 - Ethnic American Literature
- ENG 355 - African American Literature
- ENG 362 - Non-European World Literature
- ENG 363 - Introduction to African Literature
- ENG 554 - Topics in Ethnic American Literature

Public Affairs Capstone Experience:

- ENG 301 - Seminar in English Studies and Public Affairs
  OR
- ENG 599 - Advanced Seminar in Literature

Pre-1800 requirement:

at least three of the 36 hours taken in the English major must be a pre-1800 literaturecourse:

- ENG 312 - Introduction to Shakespeare
- ENG 340 - Survey of English Literature I
- ENG 510 - Chaucer
- ENG 513 - Shakespeare
- ENG 541 - Renaissance Literature
- ENG 553 - American Romantic Literature
- ENG 598 - Early English Language and Literature

Minor required (or second major).

Complete one of the following options:

Creative Writing option (15 hours):

- ENG 551 - Literary Publication

Introductory Creative Writing:

one course from

- ENG 203 - Creative Writing: Poetry
- ENG 205 - Creative Writing: Nonfiction
- ENG 215 - Creative Writing: Short Story
- ENG 216 - Introduction to the Graphic Novel
- ENG 225 - Creative Writing: Playwriting

Intermediate Creative Writing:

one course from

- ENG 303 - Creative Writing: Poetry II

- ENG 305 - Creative Writing: Nonfiction II
- ENG 315 - Creative Writing: Fiction II
- ENG 316 - Graphic Narrative II
- ENG 325 - Creative Writing Playwriting II

Advanced Creative Writing:

one course from

- ENG 500 - Advanced Writing: Nonfiction
- ENG 501 - Advanced Writing: Fiction
- ENG 503 - Advanced Writing: Poetry
- ENG 506 - Advanced Writing: Drama

Upper-division Creative Writing elective:

One additional course from following. Course selected may be the same of the Advanced Creative Writing requirement selection if the student is repeating the course for additional credit.

- ENG 303 - Creative Writing: Poetry II
- ENG 305 - Creative Writing: Nonfiction II
- ENG 315 - Creative Writing: Fiction II
- ENG 316 - Graphic Narrative II
- ENG 325 - Creative Writing Playwriting II
- ENG 500 - Advanced Writing: Nonfiction
- ENG 501 - Advanced Writing: Fiction
- ENG 503 - Advanced Writing: Poetry
- ENG 506 - Advanced Writing: Drama
- ENG 540 - Small Press Production

Literature option (15 hours):

Additional American Literature (3 hours):

One course from following. May not be double-counted from the American Literature core requirement.

- ENG 350 - Survey of American Literature I
- ENG 351 - Survey of American Literature II

Additional British Literature (3 hours):

One course from following. May not be double-counted from the British Literature major core requirement.

- ENG 340 - Survey of English Literature I
- ENG 341 - Survey of English Literature II

Specialized Approaches (3 hours):

One course from:

- ENG 366 - Popular Fiction
- ENG 435 - Advanced Literary Theory: From Antiquity to the Present
- ENG 483 - Folklore and Literature
- ENG 491 - History of the English Language
- ENG 533 - Studies in Children's Literature
- ENG 534 - Historical Perspectives in Children's Literature
- ENG 563 - Literature and Medicine
- ENG 580 - Gender Issues in Language and Literature
- ENG 583 - Themes in Folkloristics

Electives (6 hours):

choose two ENG electives, at least one of which must be a 400 or 500 level literature course.

Total Credit Hours: 36

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

English (Non-Comprehensive) (BS)

Major requirements

Major core (21 hours):

Introductory Experience (9 hours):

- ENG 235 - Critical Approaches to Literature

and one course from

- ENG 203 - Creative Writing: Poetry
- ENG 205 - Creative Writing: Nonfiction
- ENG 215 - Creative Writing: Short Story
- ENG 216 - Introduction to the Graphic Novel
- ENG 225 - Creative Writing: Playwriting
- ENG 339 - Writing for Children and Young Adults

and one course from

- ENG 200 - Great Books and Instant Classics
- ENG 282 - Literature by Women

- ENG 283 - Folklore and Cultural Engagement
- ENG 289 - Literature, Culture, and Social Justice

American Literature (3 hours):

one course from

- ENG 350 - Survey of American Literature I
- ENG 351 - Survey of American Literature II
- ENG 517 - The American Novel
- ENG 519 - American Drama
- ENG 553 - American Romantic Literature
- ENG 557 - American Realism
- ENG 558 - Major American Authors
- ENG 559 - Modern American Literature
- ENG 562 - Contemporary American Poetry/Fiction

British Literature (3 hours):

one course from

- ENG 312 - Introduction to Shakespeare
- ENG 340 - Survey of English Literature I
- ENG 341 - Survey of English Literature II
- ENG 510 - Chaucer
- ENG 512 - The British Novel
- ENG 513 - Shakespeare
- ENG 514 - British Drama
- ENG 541 - Renaissance Literature
- ENG 543 - Restoration and 18th Century Literature
- ENG 544 - British Romantic Literature
- ENG 546 - Victorian Literature
- ENG 547 - Modern British Literature
- ENG 548 - Major British Authors
- ENG 598 - Early English Language and Literature

Diversity (3 hours):

one course from

- ENG 354 - Ethnic American Literature
- ENG 355 - African American Literature
- ENG 362 - Non-European World Literature
- ENG 363 - Introduction to African Literature
- ENG 554 - Topics in Ethnic American Literature

Public Affairs Capstone Experience:

- ENG 301 - Seminar in English Studies and Public Affairs
  OR

- ENG 599 - Advanced Seminar in Literature

Pre-1800 requirement:

at least three of the 36 hours taken in the English major must be a pre-1800 literaturecourse:

- ENG 312 - Introduction to Shakespeare
- ENG 340 - Survey of English Literature I
- ENG 510 - Chaucer
- ENG 513 - Shakespeare
- ENG 541 - Renaissance Literature
- ENG 553 - American Romantic Literature
- ENG 598 - Early English Language and Literature

Minor required (or second major).

Complete one of the following options:

Creative Writing option (15 hours):

- ENG 551 - Literary Publication

Introductory Creative Writing:

one course from

- ENG 203 - Creative Writing: Poetry
- ENG 205 - Creative Writing: Nonfiction
- ENG 215 - Creative Writing: Short Story
- ENG 216 - Introduction to the Graphic Novel
- ENG 225 - Creative Writing: Playwriting

Intermediate Creative Writing:

one course from

- ENG 303 - Creative Writing: Poetry II
- ENG 305 - Creative Writing: Nonfiction II
- ENG 315 - Creative Writing: Fiction II
- ENG 316 - Graphic Narrative II
- ENG 325 - Creative Writing Playwriting II

Advanced Creative Writing:

one course from

- ENG 500 - Advanced Writing: Nonfiction
- ENG 501 - Advanced Writing: Fiction
- ENG 503 - Advanced Writing: Poetry
- ENG 506 - Advanced Writing: Drama

Upper-division Creative Writing elective:

One additional course from following. Course selected may be the same of the Advanced Creative Writing requirement selection if the student is repeating the course for additional credit.

- ENG 303 - Creative Writing: Poetry II
- ENG 305 - Creative Writing: Nonfiction II
- ENG 315 - Creative Writing: Fiction II
- ENG 316 - Graphic Narrative II
- ENG 325 - Creative Writing Playwriting II
- ENG 500 - Advanced Writing: Nonfiction
- ENG 501 - Advanced Writing: Fiction
- ENG 503 - Advanced Writing: Poetry
- ENG 506 - Advanced Writing: Drama
- ENG 540 - Small Press Production

Literature option (15 hours):

Additional American Literature (3 hours):

One course from following. May not be double-counted from the American Literature core requirement.

- ENG 350 - Survey of American Literature I
  OR
- ENG 351 - Survey of American Literature II

Additional British Literature (3 hours):

One course from following. May not be double-counted from the British Literature major core requirement.

- ENG 340 - Survey of English Literature I
  OR
- ENG 341 - Survey of English Literature II

Specialized Approaches (3 hours):

one course from

- ENG 366 - Popular Fiction
- ENG 435 - Advanced Literary Theory: From Antiquity to the Present
- ENG 483 - Folklore and Literature
- ENG 491 - History of the English Language
- ENG 533 - Studies in Children's Literature
- ENG 534 - Historical Perspectives in Children's Literature
- ENG 563 - Literature and Medicine
- ENG 580 - Gender Issues in Language and Literature
- ENG 583 - Themes in Folkloristics

Electives (6 hours):

choose two ENG electives, at least one of which must be a 400 or 500 level literature course.

Total Credit Hours: 36

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in English-Literature Track Only

Eligible students in this major may apply to the Master of Arts in English (Literature track only) program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Gerontology (Comprehensive) (BS)

Major requirements

Prerequisite courses:

Hours will double count toward General Education requirements.

- BIO 121 - General Biology I
  OR
- BMS 110 - Introduction to Human Biology **AND**
- BMS 111 - Introduction to Human Biology Laboratory
- PSY 121 - Introductory Psychology
- SOC 150 - Introduction to Society

Core Courses:

a grade of C or better is required in each course before enrolling in practicum and seminar:

- GER 375 - Social Forces and Aging
  OR
- SOC 375 - Social Forces and Aging
- GER 351 - Psychology of Adulthood and Aging
  OR
- PSY 350 - Psychology of Adulthood and Aging
- BMS 260 - Biology of Aging
- GER 470 - Community Resources for Older Adults
  OR
- SWK 470 - Community Resources for Older Adults
- GER 480 - Policies and Older Adults

One statistics course from:

- AGR 330 - Statistical Applications in Agriculture
- MTH 340 - Statistical Methods
- PSY 200 - Psychological Statistical Methods
- QBA 237 - Basic Business Statistics
- SPR 328 - Statistical Applications in Sport and Recreation Administration
- SOC 220 - Statistics for Social Research
- or another course approved by advisor.

One research methods course from:

- PSY 203 - Introduction to Research
- PSY 302 - Experimental Psychology
- SOC 301 - Research Methodology
- or another course approved by advisor.

One communication skills course from:

- COM 325 - Nonverbal Communication
- COM 332 - Small Group Communication
- COM 336 - Communication in Organizations
- COM 390 - Communication and Aging
- COM 405 - Advanced Interpersonal Communication
- COM 410 - Conflict and Communication
- or another course approved by advisor.

One health related course from:

- BMS 310 - Nutrition and Physical Activity in Aging
- COM 407 - Health Communication and Culture
- DTN 130 - Social and Behavioral Applications of Human Nutrition
- DTN 240 - Introduction to Nutrition
- SOC 341 - Medical Sociology
- SOC 456 - Food in Society
- or another course approved by advisor.

Nine additional hours of Gerontology-related electives from:

- GER 300 - Service-Learning Curricular Component
- GER 309 - Identity and Aging in Literature and Film
  OR
- PSY 309 - Identity and Aging in Literature and Film
- GER 354 - Gender and Sexuality in Later Life
  OR
- PSY 354 - Gender and Sexuality in Later Life
- GER 363 - Death and Human Behavior
  OR
- PSY 363 - Death and Human Behavior

- GER 366 - Families in Later Life
  OR
- PSY 366 - Families in Later Life
- GER 370 - Mental Health and Aging
  OR
- PSY 370 - Mental Health and Aging
- GER 396 - Directed Readings in Gerontology
- GER 397 - Special Topics in Gerontology
- GER 492 - Directed Research
- Other courses may be accepted as electives but must be approved by advisor.

Practicum and Seminar:

- GER 598 - Supervised Practicum in Gerontology
- GER 599 - Seminar in Gerontology

Public Affairs Capstone Experience will be fulfilled by completion of:

- GER 598 - Supervised Practicum in Gerontology
- GER 599 - Seminar in Gerontology

Electives to complete a total of 120 hours for the degree

Students are encouraged to use these hours to complete another major or minor.

Total Credit Hours: 57-58

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Global Studies (Comprehensive) (BA)

Major requirements

- GBL 250 - Introduction to Global Studies and Globalization
- GBL 397 - Special Topics in Global Studies

Focus Area: 12 hours in one of the following focus areas, with courses with at least three different course codes:

Language, Culture, and Geography:

- ANT 100 - World Cultures
- ANT 303 - Cultural Anthropology
- ANT 306 - Linguistic Anthropology
- ANT 312 - Anthropology of Gender
- ANT 313 - Volunteering and Development in the Global South: Anthropological Perspectives
- ANT 315 - Anthropology of Globalization
- ANT 317 - Medical Anthropology
- ANT 318 - Anthropology of Tourism
- ANT 320 - Ethnography
- ANT 330 - Peoples and Cultures
- ANT 365 - Human Variation
- ANT 380 - Language and Culture
- COM 260 - Communicating with Cultural Competence
- COM 360 - Intercultural Communication Theory and Research
- COM 469 - Global Public Relations
- ENG 283 - Folklore and Cultural Engagement
- ENG 296 - Introduction to Linguistics
- FRN 324 - Topics in Francophone Linguistics
- GRY 100 - World Regional Geography
- GRY 305 - Selected World Regions
- GRY 310 - Fundamentals of Tourism
- GRY 316 - Geography of Global Health and Disease
- GRY 320 - Cultural Geography
- GRY 323 - World Political Geography
- GRY 429 - Geography of World Tourism
- GRY 470 - Field Experience in Geography (outside continental USA)
- GST 400 - Gender in Global Community
- HSP 325 - Cultural Cuisine
- IDS 350 - British Life and Culture
- IPE 377 - Global Issues in Health Services
- LCR 100 - Language and Culture in Global Context
- LCR 303 - Coping with Culture
- LCR 550 - Advanced Study Abroad
- LLT 296 - Major Authors in Translation
- MST 388 - The Museum: History and Perspectives
- MUS 239 - Introduction to World Music
- SOC 336 - Race and Ethnicity
- SPN 324 - Introduction to Spanish Linguistics

History, Society, and Religion:

- ANT 305 - Introduction to Archaeology
- ANT 340 - Archaeology of Complex Societies
- ANT 342 - Hunters and Gatherers
- GRY 322 - Urban Geography
- HST 323 - Women in Africa
- HST 334 - Conflict and Peace Building in Africa

- HST 335 - African Civilization
- HST 339 - Africa and the Wider World
- HST 340 - Industrialization in Global Perspective
- HST 350 - Latin American Civilization
- HST 351 - History of Europe to 1650
- HST 354 - History of Europe, 1715-Present
- HST 356 - Nazi Germany
- HST 361 - Britain and World 1707-Present
- HST 362 - Modern Latin American History: From Independence to Present
- HST 369 - Ancient Civilizations of the Mediterranean and Middle East
- HST 370 - Religions, Cultures, and Empires of the Middle East and North Africa, 570 CE to 1798 CE
- HST 371 - The Making of the Modern Middle East, 1750 CE to 1923 CE
- HST 380 - Premodern East Asia
- HST 381 - Modern East Asia
- HST 382 - Asia Pacific War
- HST 383 - A Global History of the Inquisition, 1478-1834: The Holy Office in Europe, Asia, and the Americas
- HST 395 - Spanish Conquest and Colonization in the Americas, 1492-1700
- HST 545 - Medieval Europe
- HST 559 - Germany, 1815-Present
- HST 571 - China in the Twentieth Century
- HST 587 - Mexico from Colony to Nation
- HST 588 - Twentieth-Century Mexico
- LLT 321 - Comparative Mythology
- LLT 325 - Greek Civilization
- LLT 326 - Roman Civilization
- PHI 115 - Ethics and Contemporary Issues
- PHI 342 - Global Ethics
- REL 110 - World Religions
- REL 330 - Judaism
- REL 340 - Christianity
- REL 350 - Islam
- REL 355 - Buddhism
- REL 357 - Religions of China and Japan
- REL 360 - Hinduism
- REL 370 - Women and Religion
- SWK 219 - Human Diversity

Politics, Economics, and Environment:

- AGR 100 - Food Security
- ANT 314 - Environmental Anthropology
- ANT 355 - Environmental Archaeology
- BUS 303 - History of Business
- BUS 392 - International Education Abroad in Business
- ECO 155 - Principles of Macroeconomics
- ECO 346 - International Economic Development
- ECO 456 - Comparative Economic Systems

- ECO 540 - Environmental, Resource, and Energy Economics
- ECO 565 - International Economics
- FIN 582 - International Financial Management
- GRY 108 - Principles of Sustainability
- GRY 321 - Economic Geography
- GRY 351 - Sustainable Management of Natural Resources
- GRY 535 - Global Climate and Weather Cycles
- MGT 447 - International Management
- PHI 120 - Professional and Business Ethics
- PHI 302 - Environmental Ethics
- PLS 205 - Comparative Politics
- PLS 232 - International Relations
- PLS 320 - American Foreign Policy
- PLS 333 - Model United Nations
- PLS 338 - Politics of Less Developed Countries
- PLS 343 - Post-Soviet Politics
- PLS 437 - International Organizations and Law
- PLS 439 - Playing Games with the World
- PLS 443 - Nationalisms and Islamisms of the Middle East
- PLS 544 - Government and Politics of the Middle East
- PLS 546 - Political Violence and Terrorism
- PLS 547 - Politics of the European Union and Its Members
- PLS 548 - Latin American Politics
- PLS 550 - Modern African Politics
- PLS 555 - Public Policy for a Global Environment
- PLS 561 - Ancient Political Thought
- PLS 563 - Modern Political Theory
- PLS 565 - Contemporary Political Ideologies
- SOC 150 - Introduction to Society
- SOC 319 - Environmental Sociology
- SOC 450 - Population, Society, and Public Policy

Regional Studies:

12 hours in regional studies with at least one course in each of the following four regions. With advisor approval, and depending on content focus, the following courses may count toward various regions: ANT 330, ART 273, ECO 397, ENG 362, FRN 326, FRN 415, GRY 305, PLS 338, SPN 314.

Africa:

- ANT 332 - Peoples and Cultures of Africa
- ART 486 - Art of Africa
- ENG 363 - Introduction to African Literature
- FRN 326 - Culture Populaire
- GRY 507 - Geography of Subsaharan Africa
- FRN 415 - Vivre et Travailler en francais
- HST 323 - Women in Africa

- HST 334 - Conflict and Peace Building in Africa
- HST 335 - African Civilization
- PSY 339 - Introduction to Clinical Psychology

Asia:

- ANT 334 - Peoples and Cultures of Japan
- ANT 338 - Peoples and Cultures of Oceania
- ART 274 - Survey of Asian Art
- HST 380 - Premodern East Asia
- HST 381 - Modern East Asia
- HST 382 - Asia Pacific War
- HST 571 - China in the Twentieth Century
- LLT 215 - Asian Cultural Studies
- PHI 314 - Asian Philosophy
- REL 355 - Buddhism
- REL 357 - Religions of China and Japan
- REL 358 - Yoga and Meditation
- REL 360 - Hinduism

Europe:

- FRN 326 - Culture Populaire
- FRN 415 - Vivre et Travailler en francais
- GRM 325 - Kulturkunde der deutschsprachigen Lander
- HST 351 - History of Europe to 1650
- HST 354 - History of Europe, 1715-Present
- HST 356 - Nazi Germany
- HST 361 - Britain and World 1707-Present
- HST 559 - Germany, 1815-Present
- LLT 225 - German Cultural Studies
- REL 340 - Christianity
- SPN 325 - Civilization of Spain

Latin America and Caribbean:

- ANT 336 - Peoples and Cultures of Latin America
- ART 485 - Art of Mesoamerica
- ART 487 - Art of the Americas
- HST 350 - Latin American Civilization
- HST 362 - Modern Latin American History: From Independence to Present
- HST 383 - A Global History of the Inquisition, 1478-1834: The Holy Office in Europe, Asia, and the Americas
- HST 384 - History of Piracy in the Americas, 1492-1820
- HST 395 - Spanish Conquest and Colonization in the Americas, 1492-1700
- HST 587 - Mexico from Colony to Nation
- HST 588 - Twentieth-Century Mexico
- PLS 548 - Latin American Politics

- SOC 350 - Violence and Society in Latin America
- SPN 326 - Civilization of Spanish America

Middle East:

- ART 471 - Islamic Art
- HST 370 - Religions, Cultures, and Empires of the Middle East and North Africa, 570 CE to 1798 CE
- HST 371 - The Making of the Modern Middle East, 1750 CE to 1923 CE
- HST 543 - Nationalism, Sectarianism, and Conflict in the Middle East

World Languages:

Three hours beyond the 12-hour Bachelor of Arts foreign language requirement, for a total of 15 hours in a single language: Arabic, Chinese, French, German, Italian, Japanese, Portuguese, Russian, or Spanish. Other languages may be accepted upon the recommendation of the head of the Languages, Cultures and Religions Department. Partial or full credit toward this requirement may be granted through the transfer evaluation of eligible education abroad coursework or through the Department's Credit for Prior Learning and Retroactive Credit Policies.

Public Affairs Capstone Experience requirement:

- GBL 499 - Internship

Double Counting:

Within this program, courses may not be double counted among the following categories: Global Studies Core, Focus Area, Regional Studies, and World Languages. There are no restrictions on applying courses counted in other programs, General Education or Core 42, and the specific Bachelor of Arts Degree Requirements toward Global Studies major requirements.

Total Credit Hours: 48

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

History (BSEd)

Major Requirements (57 hours):

Note: 21 hours may double count toward General Education requirements.

- HST 103 - World History to Circa 1600 C.E.
- HST 104 - World History since 1600 C.E.
- HST 121 - Survey of the History of the United States to 1877
- HST 122 - Survey of the History of the United States since 1877

- HST 199 - Preparation Strategies for the Missouri Content Assessment in Social Science
- HST 210 - Writing II: Historical Inquiry
- HST 390 - Introduction to Historiography

Six Hours in African, Asian, Latin American and/or Middle East Civilization:

- HST 323 - Women in Africa
- HST 334 - Conflict and Peace Building in Africa
- HST 335 - African Civilization
- HST 338 - Sources and Methods in African History
- HST 339 - Africa and the Wider World
- HST 350 - Latin American Civilization
- HST 362 - Modern Latin American History: From Independence to Present
- HST 364 - History of Women in Latin America
- HST 370 - Religions, Cultures, and Empires of the Middle East and North Africa, 570 CE to 1798 CE
- HST 371 - The Making of the Modern Middle East, 1750 CE to 1923 CE
- HST 380 - Premodern East Asia
- HST 381 - Modern East Asia
- HST 382 - Asia Pacific War
- HST 532 - History of Ancient Egypt
- HST 542 - Ancient Israel
- HST 543 - Nationalism, Sectarianism, and Conflict in the Middle East
- HST 571 - China in the Twentieth Century
- HST 572 - Gender and Sexuality in Modern East Asia
- HST 574 - Jordan Archaeology Education Abroad
- HST 587 - Mexico from Colony to Nation
- HST 588 - Twentieth-Century Mexico
- and variable topics courses when they cover one of these regions.

Six Hours in U.S. History:

- HST 312 - History of American Baseball
- HST 313 - American Cultural History
- HST 314 - American Expansion and Empire
- HST 315 - Military History of the United States
- HST 324 - Women in American History
- HST 329 - The Automobile in American Life
- HST 331 - African American History I
- HST 332 - African American History II
- HST 375 - The Ozarks in American History
- HST 509 - Indian History
- HST 517 - Legal and Constitutional History of the United States
- HST 518 - Colonial America
- HST 519 - The American Revolution
- HST 521 - Early American Republic
- HST 523 - Nineteenth Century America
- HST 524 - Civil War and Reconstruction

- HST 525 - Gilded Age/Progressive Era America, 1865-1920
- HST 528 - U.S. History Since 1945
- HST 531 - African American Leaders and Movements
- HST 536 - History of Missouri
- HST 537 - History of the American West
- HST 538 - History of the American South, 1607-Present
- and variable topics courses when they cover U.S. history.

Three Hours in European History:

- HST 343 - Ancient Rome
- HST 351 - History of Europe to 1650
- HST 352 - Crisis in the Late Middle Ages
- HST 354 - History of Europe, 1715-Present
- HST 356 - Nazi Germany
- HST 360 - Britain and the World, 55 B.C.-1707
- HST 361 - Britain and World 1707-Present
- HST 545 - Medieval Europe
- HST 548 - The Renaissance
- HST 549 - The Reformation
- HST 559 - Germany, 1815-Present
- HST 562 - Communism in Eastern Europe, 1917-1990
- HST 564 - History of the Holocaust
- HST 566 - Victorian and Edwardian England
- and variable topics courses when they cover European history.

Three Hours in World Interregional and Cross-Regional:

- HST 340 - Industrialization in Global Perspective
- HST 345 - Enslavement in the Atlantic World
- HST 369 - Ancient Civilizations of the Mediterranean and Middle East
- HST 383 - A Global History of the Inquisition, 1478-1834: The Holy Office in Europe, Asia, and the Americas
- HST 384 - History of Piracy in the Americas, 1492-1820
- HST 388 - The Second World War
- HST 395 - Spanish Conquest and Colonization in the Americas, 1492-1700
- HST 504 - Global Terrorism
- HST 514 - 17th-19th Century British Atlantic
- HST 529 - Plagues and Pandemics
- HST 541 - The Ancient Near East to 1200 BCE
- HST 563 - History of Fascism
- and variable topics courses when they cover a related field.

Of Courses Listed Above, at Least Two Must Be at the 500 Level:

- HST 504 - Global Terrorism
- HST 509 - Indian History
- HST 514 - 17th-19th Century British Atlantic

- HST 517 - Legal and Constitutional History of the United States
- HST 518 - Colonial America
- HST 519 - The American Revolution
- HST 521 - Early American Republic
- HST 523 - Nineteenth Century America
- HST 524 - Civil War and Reconstruction
- HST 525 - Gilded Age/Progressive Era America, 1865-1920
- HST 528 - U.S. History Since 1945
- HST 529 - Plagues and Pandemics
- HST 531 - African American Leaders and Movements
- HST 532 - History of Ancient Egypt
- HST 536 - History of Missouri
- HST 537 - History of the American West
- HST 538 - History of the American South, 1607-Present
- HST 541 - The Ancient Near East to 1200 BCE
- HST 542 - Ancient Israel
- HST 543 - Nationalism, Sectarianism, and Conflict in the Middle East
- HST 545 - Medieval Europe
- HST 548 - The Renaissance
- HST 549 - The Reformation
- HST 559 - Germany, 1815-Present
- HST 562 - Communism in Eastern Europe, 1917-1990
- HST 563 - History of Fascism
- HST 564 - History of the Holocaust
- HST 566 - Victorian and Edwardian England
- HST 571 - China in the Twentieth Century
- HST 572 - Gender and Sexuality in Modern East Asia
- HST 574 - Jordan Archaeology Education Abroad
- HST 587 - Mexico from Colony to Nation
- HST 588 - Twentieth-Century Mexico

In Addition, a Major in History to Be Certifiable Must Complete

- ANT 100 - World Cultures
- ECO 155 - Principles of Macroeconomics
- GRY 100 - World Regional Geography
- SOC 150 - Introduction to Society
- PSY 121 - Introductory Psychology
- PLS 101 - American Democracy and Citizenship
- PLS 205 - Comparative Politics
  OR
- PLS 232 - International Relations

Public Affairs Capstone Experience will be fulfilled by completion of:

- HST 418 - Methods of Teaching Secondary Social Studies II

Attain 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 above.

Professional Education Requirements (39 hours):

Note: A grade of "C" or better in each course is required for state certification.

Teaching Methods and Supervised Teaching

- HST 417 - Methods of Teaching Secondary Social Studies I
- HST 418 - Methods of Teaching Secondary Social Studies II
- HST 422 - Supervised Teaching (Secondary Social Studies)
- HST 423 - Seminar in Supervised Teaching

Teacher Education Requirements:

Additional Professional Education Required Core and Competencies. Refer to Teacher Education and Teacher Certification Requirements.

Satisfy History Program Requirement of a Minimum Major GPA of 2.75

(combined Missouri State and transfer) as a part of admission to teacher education.

Satisfy History Program Requirement of a Minimum Major GPA of 3.00

(combined Missouri State and transfer) as a part of approval for supervised teaching.

Teacher Education Requirements:

This program also requires compliance With Teacher Education Requirements for eligibility to enroll in Professional Education courses; admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.

a. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under major requirements.
b. at least a 3.00 GPA in any additional certificate subject area.
c. at least a 3.00 GPA in the professional education courses which includes all courses in Teaching Methods and Supervised Teaching and Additional Professional Education Required Core and Competenties; and no grade lower than a "C" in all professional education courses.

Total Credit Hours: 39

University Level Requirements:

1. General Education Program & Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in History

Eligible students in this major may apply to the Master of Arts in History program. Refer to the Graduate Catalog for more information. 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 students in this major may apply to the Master of Science in Education in Secondary Education/History program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

History (Non-Comprehensive) (BA)

Major Requirements

Note: Six hours may double count toward General Education requirements.

Core requirements

- HST 121 - Survey of the History of the United States to 1877
- HST 122 - Survey of the History of the United States since 1877
- HST 210 - Writing II: Historical Inquiry
- HST 390 - Introduction to Historiography
- HST 598 - Senior Seminar in History

One Course From:

- HST 392 - European History Primary Source Seminar
- HST 393 - United States History Primary Source Seminar
- HST 394 - World History Primary Source Seminar

Six Hours From Two of the Following Areas:

Africa:

- HST 323 - Women in Africa
- HST 334 - Conflict and Peace Building in Africa
- HST 335 - African Civilization
- HST 338 - Sources and Methods in African History
- HST 339 - Africa and the Wider World
- HST 532 - History of Ancient Egypt

Asia:

- HST 380 - Premodern East Asia
- HST 381 - Modern East Asia
- HST 382 - Asia Pacific War
- HST 571 - China in the Twentieth Century
- HST 572 - Gender and Sexuality in Modern East Asia

Latin America:

- HST 350 - Latin American Civilization
- HST 362 - Modern Latin American History: From Independence to Present
- HST 364 - History of Women in Latin America
- HST 383 - A Global History of the Inquisition, 1478-1834: The Holy Office in Europe, Asia, and the Americas
- HST 384 - History of Piracy in the Americas, 1492-1820
- HST 395 - Spanish Conquest and Colonization in the Americas, 1492-1700
- HST 587 - Mexico from Colony to Nation
- HST 588 - Twentieth-Century Mexico

Middle East:

- HST 370 - Religions, Cultures, and Empires of the Middle East and North Africa, 570 CE to 1798 CE
- HST 371 - The Making of the Modern Middle East, 1750 CE to 1923 CE
- HST 541 - The Ancient Near East to 1200 BCE
- HST 542 - Ancient Israel
- HST 543 - Nationalism, Sectarianism, and Conflict in the Middle East
- HST 574 - Jordan Archaeology Education Abroad

Interregional and Cross-regional:

- HST 340 - Industrialization in Global Perspective
- HST 343 - Ancient Rome
- HST 345 - Enslavement in the Atlantic World
- HST 346 - Drunk History: A Global History of Alcohol
- HST 361 - Britain and World 1707-Present
- HST 369 - Ancient Civilizations of the Mediterranean and Middle East
- HST 383 - A Global History of the Inquisition, 1478-1834: The Holy Office in Europe, Asia, and the Americas
- HST 384 - History of Piracy in the Americas, 1492-1820
- HST 388 - The Second World War
- HST 395 - Spanish Conquest and Colonization in the Americas, 1492-1700
- HST 504 - Global Terrorism
- HST 514 - 17th-19th Century British Atlantic
- HST 529 - Plagues and Pandemics
- HST 541 - The Ancient Near East to 1200 BCE
- HST 563 - History of Fascism
- HST 567 - Race and Gender in the British Empire

Three Hours in European History:

- HST 343 - Ancient Rome
- HST 351 - History of Europe to 1650
- HST 352 - Crisis in the Late Middle Ages
- HST 354 - History of Europe, 1715-Present
- HST 356 - Nazi Germany
- HST 360 - Britain and the World, 55 B.C.-1707
- HST 361 - Britain and World 1707-Present
- HST 545 - Medieval Europe
- HST 548 - The Renaissance
- HST 549 - The Reformation
- HST 555 - Europe in the 20th Century
- HST 559 - Germany, 1815-Present
- HST 562 - Communism in Eastern Europe, 1917-1990
- HST 564 - History of the Holocaust
- HST 566 - Victorian and Edwardian England

Three Hours in United States History:

- HST 312 - History of American Baseball
- HST 313 - American Cultural History
- HST 314 - American Expansion and Empire
- HST 315 - Military History of the United States
- HST 324 - Women in American History
- HST 329 - The Automobile in American Life
- HST 331 - African American History I
- HST 332 - African American History II
- HST 375 - The Ozarks in American History
- HST 509 - Indian History
- HST 510 - The Plains Indians
- HST 516 - American Religious History
- HST 517 - Legal and Constitutional History of the United States
- HST 518 - Colonial America
- HST 519 - The American Revolution
- HST 521 - Early American Republic
- HST 523 - Nineteenth Century America
- HST 524 - Civil War and Reconstruction
- HST 525 - Gilded Age/Progressive Era America, 1865-1920
- HST 528 - U.S. History Since 1945
- HST 531 - African American Leaders and Movements
- HST 536 - History of Missouri
- HST 537 - History of the American West
- HST 538 - History of the American South, 1607-Present

Nine Additional Hours of Upper Division History Courses:

- HST 312 - History of American Baseball
- HST 313 - American Cultural History

- HST 314 - American Expansion and Empire
- HST 315 - Military History of the United States
- HST 323 - Women in Africa
- HST 324 - Women in American History
- HST 329 - The Automobile in American Life
- HST 331 - African American History I
- HST 332 - African American History II
- HST 334 - Conflict and Peace Building in Africa
- HST 335 - African Civilization
- HST 338 - Sources and Methods in African History
- HST 339 - Africa and the Wider World
- HST 340 - Industrialization in Global Perspective
- HST 343 - Ancient Rome
- HST 345 - Enslavement in the Atlantic World
- HST 350 - Latin American Civilization
- HST 346 - Drunk History: A Global History of Alcohol
- HST 351 - History of Europe to 1650
- HST 352 - Crisis in the Late Middle Ages
- HST 354 - History of Europe, 1715-Present
- HST 356 - Nazi Germany
- HST 360 - Britain and the World, 55 B.C.-1707
- HST 361 - Britain and World 1707-Present
- HST 362 - Modern Latin American History: From Independence to Present
- HST 364 - History of Women in Latin America
- HST 369 - Ancient Civilizations of the Mediterranean and Middle East
- HST 370 - Religions, Cultures, and Empires of the Middle East and North Africa, 570 CE to 1798 CE
- HST 371 - The Making of the Modern Middle East, 1750 CE to 1923 CE
- HST 375 - The Ozarks in American History
- HST 380 - Premodern East Asia
- HST 381 - Modern East Asia
- HST 382 - Asia Pacific War
- HST 383 - A Global History of the Inquisition, 1478-1834: The Holy Office in Europe, Asia, and the Americas
- HST 384 - History of Piracy in the Americas, 1492-1820
- HST 388 - The Second World War
- HST 395 - Spanish Conquest and Colonization in the Americas, 1492-1700
- HST 397 - Special Topics in History
- HST 399 - Internship in Public History
- HST 496 - Independent Readings in History
- HST 504 - Global Terrorism
- HST 509 - Indian History
- HST 510 - The Plains Indians
- HST 514 - 17th-19th Century British Atlantic
- HST 516 - American Religious History
- HST 517 - Legal and Constitutional History of the United States
- HST 518 - Colonial America
- HST 519 - The American Revolution
- HST 521 - Early American Republic
- HST 523 - Nineteenth Century America

- HST 524 - Civil War and Reconstruction
- HST 525 - Gilded Age/Progressive Era America, 1865-1920
- HST 528 - U.S. History Since 1945
- HST 529 - Plagues and Pandemics
- HST 531 - African American Leaders and Movements
- HST 532 - History of Ancient Egypt
- HST 536 - History of Missouri
- HST 537 - History of the American West
- HST 538 - History of the American South, 1607-Present
- HST 541 - The Ancient Near East to 1200 BCE
- HST 542 - Ancient Israel
- HST 543 - Nationalism, Sectarianism, and Conflict in the Middle East
- HST 545 - Medieval Europe
- HST 548 - The Renaissance
- HST 549 - The Reformation
- HST 555 - Europe in the 20th Century
- HST 559 - Germany, 1815-Present
- HST 562 - Communism in Eastern Europe, 1917-1990
- HST 563 - History of Fascism
- HST 564 - History of the Holocaust
- HST 566 - Victorian and Edwardian England
- HST 567 - Race and Gender in the British Empire
- HST 571 - China in the Twentieth Century
- HST 572 - Gender and Sexuality in Modern East Asia
- HST 574 - Jordan Archaeology Education Abroad
- HST 587 - Mexico from Colony to Nation
- HST 588 - Twentieth-Century Mexico
- HST 597 - Topics in History
- HST 599 - Internship in Public History

Of Courses Listed Above:

At Least One Must Be a 500 Level American History Course:

- HST 509 - Indian History
- HST 510 - The Plains Indians
- HST 516 - American Religious History
- HST 517 - Legal and Constitutional History of the United States
- HST 518 - Colonial America
- HST 519 - The American Revolution
- HST 521 - Early American Republic
- HST 523 - Nineteenth Century America
- HST 524 - Civil War and Reconstruction
- HST 525 - Gilded Age/Progressive Era America, 1865-1920
- HST 528 - U.S. History Since 1945
- HST 531 - African American Leaders and Movements
- HST 536 - History of Missouri

- HST 537 - History of the American West
- HST 538 - History of the American South, 1607-Present

At Least One Must Be a 500 Level World History Course:

- HST 504 - Global Terrorism
- HST 514 - 17th-19th Century British Atlantic
- HST 529 - Plagues and Pandemics
- HST 532 - History of Ancient Egypt
- HST 541 - The Ancient Near East to 1200 BCE
- HST 542 - Ancient Israel
- HST 543 - Nationalism, Sectarianism, and Conflict in the Middle East
- HST 545 - Medieval Europe
- HST 548 - The Renaissance
- HST 549 - The Reformation
- HST 555 - Europe in the 20th Century
- HST 559 - Germany, 1815-Present
- HST 562 - Communism in Eastern Europe, 1917-1990
- HST 563 - History of Fascism
- HST 564 - History of the Holocaust
- HST 566 - Victorian and Edwardian England
- HST 567 - Race and Gender in the British Empire
- HST 571 - China in the Twentieth Century
- HST 572 - Gender and Sexuality in Modern East Asia
- HST 574 - Jordan Archaeology Education Abroad
- HST 587 - Mexico from Colony to Nation
- HST 588 - Twentieth-Century Mexico

Public Affairs Capstone Experience will be fulfilled by completion of:

- HST 598 - Senior Seminar in History

Minor Required (or Second Major)

Total Credit Hours: 39

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Accelerated graduate program in History

Eligible students in this major may apply to the Master of Arts in History program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

History (Non-Comprehensive) (BS)

Major Requirements

Note: 9 hours may double count toward General Education requirements.

Core Requirements

- HST 103 - World History to Circa 1600 C.E.
- HST 104 - World History since 1600 C.E.
- HST 121 - Survey of the History of the United States to 1877
- HST 122 - Survey of the History of the United States since 1877
- HST 210 - Writing II: Historical Inquiry
- HST 390 - Introduction to Historiography
- HST 598 - Senior Seminar in History

One Course From:

- HST 392 - European History Primary Source Seminar
- HST 393 - United States History Primary Source Seminar
- HST 394 - World History Primary Source Seminar

Six Hours From Two of the Following Areas:

Africa:

- HST 323 - Women in Africa
- HST 334 - Conflict and Peace Building in Africa
- HST 335 - African Civilization
- HST 338 - Sources and Methods in African History
- HST 339 - Africa and the Wider World
- HST 532 - History of Ancient Egypt

Asia:

- HST 380 - Premodern East Asia
- HST 381 - Modern East Asia
- HST 382 - Asia Pacific War
- HST 571 - China in the Twentieth Century
- HST 572 - Gender and Sexuality in Modern East Asia

Latin America:

- HST 350 - Latin American Civilization
- HST 362 - Modern Latin American History: From Independence to Present
- HST 364 - History of Women in Latin America
- HST 383 - A Global History of the Inquisition, 1478-1834: The Holy Office in Europe, Asia, and the Americas
- HST 384 - History of Piracy in the Americas, 1492-1820
- HST 395 - Spanish Conquest and Colonization in the Americas, 1492-1700
- HST 587 - Mexico from Colony to Nation
- HST 588 - Twentieth-Century Mexico

Middle East:

- HST 370 - Religions, Cultures, and Empires of the Middle East and North Africa, 570 CE to 1798 CE
- HST 371 - The Making of the Modern Middle East, 1750 CE to 1923 CE
- HST 541 - The Ancient Near East to 1200 BCE
- HST 542 - Ancient Israel
- HST 543 - Nationalism, Sectarianism, and Conflict in the Middle East
- HST 574 - Jordan Archaeology Education Abroad

Interregional and Cross-regional:

- HST 340 - Industrialization in Global Perspective
- HST 343 - Ancient Rome
- HST 345 - Enslavement in the Atlantic World
- HST 346 - Drunk History: A Global History of Alcohol
- HST 361 - Britain and World 1707-Present
- HST 369 - Ancient Civilizations of the Mediterranean and Middle East
- HST 383 - A Global History of the Inquisition, 1478-1834: The Holy Office in Europe, Asia, and the Americas
- HST 384 - History of Piracy in the Americas, 1492-1820
- HST 388 - The Second World War
- HST 395 - Spanish Conquest and Colonization in the Americas, 1492-1700
- HST 504 - Global Terrorism
- HST 514 - 17th-19th Century British Atlantic
- HST 529 - Plagues and Pandemics
- HST 541 - The Ancient Near East to 1200 BCE
- HST 563 - History of Fascism
- HST 567 - Race and Gender in the British Empire

Three Hours in European History:

- HST 343 - Ancient Rome
- HST 351 - History of Europe to 1650
- HST 352 - Crisis in the Late Middle Ages
- HST 354 - History of Europe, 1715-Present
- HST 356 - Nazi Germany
- HST 360 - Britain and the World, 55 B.C.-1707

- HST 361 - Britain and World 1707-Present
- HST 545 - Medieval Europe
- HST 548 - The Renaissance
- HST 549 - The Reformation
- HST 555 - Europe in the 20th Century
- HST 559 - Germany, 1815-Present
- HST 562 - Communism in Eastern Europe, 1917-1990
- HST 564 - History of the Holocaust
- HST 566 - Victorian and Edwardian England

Three Hours in United States History:

- HST 312 - History of American Baseball
- HST 313 - American Cultural History
- HST 314 - American Expansion and Empire
- HST 315 - Military History of the United States
- HST 324 - Women in American History
- HST 329 - The Automobile in American Life
- HST 331 - African American History I
- HST 332 - African American History II
- HST 375 - The Ozarks in American History
- HST 509 - Indian History
- HST 510 - The Plains Indians
- HST 516 - American Religious History
- HST 517 - Legal and Constitutional History of the United States
- HST 518 - Colonial America
- HST 519 - The American Revolution
- HST 521 - Early American Republic
- HST 523 - Nineteenth Century America
- HST 524 - Civil War and Reconstruction
- HST 525 - Gilded Age/Progressive Era America, 1865-1920
- HST 528 - U.S. History Since 1945
- HST 531 - African American Leaders and Movements
- HST 536 - History of Missouri
- HST 537 - History of the American West
- HST 538 - History of the American South, 1607-Present

12 Additional Hours of Upper Division History Courses:

- HST 312 - History of American Baseball
- HST 313 - American Cultural History
- HST 314 - American Expansion and Empire
- HST 315 - Military History of the United States
- HST 323 - Women in Africa
- HST 324 - Women in American History
- HST 329 - The Automobile in American Life
- HST 331 - African American History I

- HST 332 - African American History II
- HST 334 - Conflict and Peace Building in Africa
- HST 335 - African Civilization
- HST 338 - Sources and Methods in African History
- HST 339 - Africa and the Wider World
- HST 340 - Industrialization in Global Perspective
- HST 343 - Ancient Rome
- HST 345 - Enslavement in the Atlantic World
- HST 346 - Drunk History: A Global History of Alcohol
- HST 350 - Latin American Civilization
- HST 351 - History of Europe to 1650
- HST 352 - Crisis in the Late Middle Ages
- HST 354 - History of Europe, 1715-Present
- HST 356 - Nazi Germany
- HST 360 - Britain and the World, 55 B.C.-1707
- HST 361 - Britain and World 1707-Present
- HST 362 - Modern Latin American History: From Independence to Present
- HST 364 - History of Women in Latin America
- HST 369 - Ancient Civilizations of the Mediterranean and Middle East
- HST 370 - Religions, Cultures, and Empires of the Middle East and North Africa, 570 CE to 1798 CE
- HST 371 - The Making of the Modern Middle East, 1750 CE to 1923 CE
- HST 375 - The Ozarks in American History
- HST 380 - Premodern East Asia
- HST 381 - Modern East Asia
- HST 382 - Asia Pacific War
- HST 383 - A Global History of the Inquisition, 1478-1834: The Holy Office in Europe, Asia, and the Americas
- HST 384 - History of Piracy in the Americas, 1492-1820
- HST 388 - The Second World War
- HST 395 - Spanish Conquest and Colonization in the Americas, 1492-1700
- HST 397 - Special Topics in History
- HST 399 - Internship in Public History
- HST 496 - Independent Readings in History
- HST 504 - Global Terrorism
- HST 509 - Indian History
- HST 510 - The Plains Indians
- HST 514 - 17th-19th Century British Atlantic
- HST 516 - American Religious History
- HST 517 - Legal and Constitutional History of the United States
- HST 518 - Colonial America
- HST 519 - The American Revolution
- HST 521 - Early American Republic
- HST 523 - Nineteenth Century America
- HST 524 - Civil War and Reconstruction
- HST 525 - Gilded Age/Progressive Era America, 1865-1920
- HST 528 - U.S. History Since 1945
- HST 529 - Plagues and Pandemics
- HST 531 - African American Leaders and Movements
- HST 532 - History of Ancient Egypt

- HST 536 - History of Missouri
- HST 537 - History of the American West
- HST 538 - History of the American South, 1607-Present
- HST 541 - The Ancient Near East to 1200 BCE
- HST 542 - Ancient Israel
- HST 543 - Nationalism, Sectarianism, and Conflict in the Middle East
- HST 545 - Medieval Europe
- HST 548 - The Renaissance
- HST 549 - The Reformation
- HST 555 - Europe in the 20th Century
- HST 559 - Germany, 1815-Present
- HST 562 - Communism in Eastern Europe, 1917-1990
- HST 563 - History of Fascism
- HST 564 - History of the Holocaust
- HST 566 - Victorian and Edwardian England
- HST 567 - Race and Gender in the British Empire
- HST 571 - China in the Twentieth Century
- HST 572 - Gender and Sexuality in Modern East Asia
- HST 574 - Jordan Archaeology Education Abroad
- HST 587 - Mexico from Colony to Nation
- HST 588 - Twentieth-Century Mexico
- HST 597 - Topics in History
- HST 599 - Internship in Public History

Of Courses Listed Above:

At Least One Must Be a 500 Level American History Course:

- HST 509 - Indian History
- HST 510 - The Plains Indians
- HST 516 - American Religious History
- HST 517 - Legal and Constitutional History of the United States
- HST 518 - Colonial America
- HST 519 - The American Revolution
- HST 521 - Early American Republic
- HST 523 - Nineteenth Century America
- HST 524 - Civil War and Reconstruction
- HST 525 - Gilded Age/Progressive Era America, 1865-1920
- HST 528 - U.S. History Since 1945
- HST 531 - African American Leaders and Movements
- HST 536 - History of Missouri
- HST 537 - History of the American West
- HST 538 - History of the American South, 1607-Present

At Least One Must Be a 500 Level World History Course:

- HST 504 - Global Terrorism

- HST 514 - 17th-19th Century British Atlantic
- HST 529 - Plagues and Pandemics
- HST 532 - History of Ancient Egypt
- HST 541 - The Ancient Near East to 1200 BCE
- HST 542 - Ancient Israel
- HST 543 - Nationalism, Sectarianism, and Conflict in the Middle East
- HST 545 - Medieval Europe
- HST 548 - The Renaissance
- HST 549 - The Reformation
- HST 555 - Europe in the 20th Century
- HST 559 - Germany, 1815-Present
- HST 562 - Communism in Eastern Europe, 1917-1990
- HST 563 - History of Fascism
- HST 564 - History of the Holocaust
- HST 566 - Victorian and Edwardian England
- HST 567 - Race and Gender in the British Empire
- HST 571 - China in the Twentieth Century
- HST 572 - Gender and Sexuality in Modern East Asia
- HST 574 - Jordan Archaeology Education Abroad
- HST 587 - Mexico from Colony to Nation
- HST 588 - Twentieth-Century Mexico

Public Affairs Capstone Experience will be fulfilled by completion of:

- HST 598 - Senior Seminar in History

Minor Required (or Second Major)

Total Credit Hours: 48

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in History

Eligible students in this major may apply to the Master of Arts in History program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Journalism (Non-Comprehensive) (BS)

Major requirements

Note: three hours may double count in General Education requirements.

Specific General Education Requirement:

- MED 120 - Mass Media and Society

Departmental required courses:

- MED 130 - Media Professionalism
- MED 304 - Media Effects
- MED 581 - Media Ethics and Law

Journalism core:

- JRN 270 - Introduction to Journalism
- JRN 388 - Electronic News Gathering
- JRN 478 - Mobile Journalism
- 3 hours of JRN 595 - Journalism Internship

Writing:

- JRN 370 - News Reporting and Writing
- JRN 381 - Broadcast News Writing

Area of Concentration:

nine hours from

- JRN 374 - Opinion Writing
- JRN 375 - Feature Writing
- JRN 376 - Business Reporting
- JRN 384 - Broadcast Performance
- JRN 476 - Copy Editing and Design
- JRN 481 - Multi-platform News Producing
- JRN 572 - Public Affairs Reporting
- MED 345 - Fundamentals of Media Production
- MED 355 - Social Media

Capstone Experience*:

three hours from

- JRN 481 - Multi-platform News Producing
- JRN 572 - Public Affairs Reporting

Note:

* A course counted toward the Capstone Experience requirement will not also count toward the Area of Concentration requirements.

Public Affairs Capstone Experience will be fulfilled by completion of:

- MED 581 - Media Ethics and Law

Minor required (or second major).

Note:

No course may count for both the Journalism major and the minor.

Total Credit Hours 42

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Modern Language (Comprehensive) (BS)

Major requirements

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.

Major core (39 hours):

- LCR 100 - Language and Culture in Global Context
  OR
- IDS 297 - International Culture and Study Abroad

33 hours in coursework beyond the 103 level in a single modern language

as approved by an advisor (language courses at the 101, 102 and 103 level may not be counted toward this major.)[2]

The 33-hour requirement must include:

1. at least one upper division literature course and one upper division culture or history course of the single modern language as approved by an advisor.
2. at least six hours of courses at level 400 or above in the single modern language as approved by an advisor.

Public Affairs Capstone Experience:

- LCR 495 - Languages and Society Capstone

Complete one of the following options:

Two Languages option (24 hours):

Complete 24 hours in a second modern language or complete 12 hours beyond the 103 level in a second modern language and 12 hours in coursework related to that language or language family, as approved by an advisor.

Translation option (22 hours):

- ACC 201 - Introduction to Financial Accounting
  OR
- MGT 340 - Principles of Management
  OR
- MKT 350 - Principles of Marketing
- COM 260 - Communicating with Cultural Competence
- ENG 221 - Writing II: Writing for the Professions
  OR
- ENG 321 - Writing II: Beginning Technical Writing
- ENG 296 - Introduction to Linguistics
- LCR 310 - Introduction to Translation and Interpreting
- LCR 410 - Translation Capstone Project

Two courses from:

These courses will also count towards the 33 hours in coursework in a single modern language.

- CHI 410 - Translation **AND**
- CHI 415 - Business and Professional Chinese
  OR
- FRN 410 - Translation **AND**
- FRN 415 - Vivre et Travailler en francais
  OR
- GRM 410 - Translation **AND**
- GRM 415 - German for Professional and Business Use
  OR
- JPN 410 - Japanese Translation **AND**
- JPN 415 - Professional and Business Japanese
  OR
- SPN 410 - Translation **AND**
- SPN 415 - Business Spanish

Applied Business option (24 hours):

- BUS 135 - Introduction to Business

- MGT 340 - Principles of Management

Two courses from:

These courses will also count towards the 33 hours in coursework in a single modern language.

- CHI 410 - Translation **AND**
- CHI 415 - Business and Professional Chinese
  OR
- FRN 410 - Translation **AND**
- FRN 415 - Vivre et Travailler en francais
  OR
- JPN 410 - Japanese Translation **AND**
- JPN 415 - Professional and Business Japanese
  OR
- GRM 410 - Translation **AND**
- GRM 415 - German for Professional and Business Use
  OR
- SPN 410 - Translation **AND**
- SPN 415 - Business Spanish

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]

Teacher Certification option (38 hours):

A combined (Missouri State and transfer) GPA of 2.75 or higher for admission to Teacher Education.

A combined (Missouri State and transfer) GPA of 3.00 or higher for Supervised Teaching.

Complete the Professional Education Courses and Competencies

including Teaching Methods (LCR 413 and LCR 414) and Supervised Teaching (LCR 493 and LCR 496) courses, and all other applicable certification requirements. Refer to Teacher Education for requirements.

Notes:

[1]Students who wish to pursue a Bachelor of Arts in a language should review the Individualized Major (Comprehensive) (BA) requirements. 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 Advising and Transfer Center for detailed information and procedures early in their junior year.

[2]If a student pursues a minor in the Department of Languages, Cultures and Religions 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.

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Applied Second Language Acquisition

Eligible students in this major may apply to the Master of Applied Second Language Acquisition program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Modern Language (Non-Comprehensive) (BS)

Major requirements

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.

- LCR 100 - Language and Culture in Global Context
  OR
- IDS 297 - International Culture and Study Abroad

33 hours in coursework beyond the 103 level in a single modern language

as approved by an advisor (language courses at the 101, 102, and 103 level may not be counted toward this major).

The 33-hour requirement must include:

1. at least one upper division literature course and one upper division culture or history course of the single modern language as approved by an advisor.
2. at least six hours of courses at level 400 or above in the single modern language as approved by an advisor.

Public Affairs Capstone Experience:

- LCR 495 - Languages and Society Capstone

Minor required (or second major).

A minor chosen from within the Department of Languages, Cultures and Religions must be in a different language than the major.

Note:

* Students who wish to complete a Bachelor of Arts degree in a language may pursue an individualized major.

Total Credit Hours: 39

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Applied Second Language Acquisition

Eligible students in this major may apply to the Master of Applied Second Language Acquisition program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Music (BMus)

Admission and audition requirements

Music degrees are designed to develop the student's abilities for performance, public school certification forteaching, 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. 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.

Major requirements

Note: A grade of "C" or better is required in all Music courses counted toward the major.

Major core

Foreign Language (6 hours) from:

French, German, or Italian.

Basic Theory (12 hours):

- MUS 103 - Theory and Musicianship I
- MUS 104 - Theory and Musicianship II
- MUS 203 - Theory and Musicianship III
- MUS 204 - Theory and Musicianship IV

Music History/Literature (9 hours):

- MUS 239 - Introduction to World Music
- MUS 345 - Music in Western Culture and Society I
- MUS 346 - Music in Western Culture and Society II

Piano (3 hours-may be waived by examination):

- MUS 137 - Piano Class I
- MUS 138 - Piano Class II
- MUS 237 - Piano Class III

Conducting (2 hours):

- MUS 321 - Conducting

Recital Attendance:

- MUS 107 - Recital Attendance I
- MUS 108 - Recital Attendance II
- MUS 207 - Recital Attendance III
- MUS 208 - Recital Attendance IV
- MUS 307 - Recital Attendance V
- MUS 308 - Recital Attendance VI
- MUS 407 - Recital Attendance VII

Upper Division Applied Status:

- MUS 298 - Upper Division Applied Status

Total Credit Hours: 32

Complete one of the following options:

Composition option (52-53 hours):

Composition (15 hours):

- MUS 498 - Senior Recital

and 13 additional hours from:

- MUS 327 - Composition Class
- MUS 516 - Composition I
- MUS 517 - Composition II
- MUS 520 - Composition III
- MUS 521 - Composition IV

Advanced Music History/Literature (5-6 hours) from:

- MUS 522 - Keyboard Literature I
- MUS 523 - Keyboard Literature II
- MUS 524 - Song and Opera Literature
- MUS 543 - Music of the Renaissance
- MUS 544 - Music of the Baroque Era
- MUS 545 - Music of the Classical Era
- MUS 546 - Music of the Romantic Era
- MUS 547 - Music Since 1900
- MUS 548 - Choral Literature

Advanced Theory (11 hours):

- MUS 313 - 16th Century Counterpoint
- MUS 314 - 18th Century Counterpoint
- MUS 315 - Form and Analysis
- MUS 328 - Instrumentation
- MUS 518 - Choral Arranging
- MUS 541 - Keyboard Harmony
- MED 382 - Audio Post-Production
- MED 461 - Sound Editing
- MED 561 - Sound Mixing

Large Ensembles (8 hours) as determined by audition

full-time students shall be in a large ensemble each semester until graduation.

- MUS 161 - Men's Chorus
- MUS 361 - Men's Chorus
- MUS 561 - Men's Chorus
- MUS 162 - Choral Union
- MUS 362 - Choral Union
- MUS 163 - Women's Chorus
- MUS 363 - Women's Chorus
- MUS 563 - Women's Chorus
- MUS 168 - Chorale
- MUS 368 - Chorale
- MUS 175 - Band

- MUS 375 - Band
- MUS 176 - University Symphony
- MUS 376 - University Symphony
- MUS 192 - Accompanying
- MUS 392 - Accompanying

Small Ensemble (1 hour) from:

- MUS 172 - Small Ensemble
- MUS 372 - Small Ensemble
- MUS 173 - Chamber Orchestra
- MUS 373 - Chamber Orchestra
- MUS 174 - Jazz Ensemble
- MUS 374 - Jazz Ensemble

Applied Music (12 hours):

Keyboard (4 hours) from:

- MUS 137 - Piano Class I
- MUS 138 - Piano Class II
- MUS 151 - Piano
- MUS 251 - Piano
- MUS 351 - Piano
- MUS 451 - Piano

Remaining hours in a single applied area (8 hours).

Public Affairs Capstone Experience will be fulfilled by completion of:

- MUS 498 - Senior Recital
- MUS 520 - Composition III

OR

- MUS 521 - Composition IV

Instrumental Performance option (46-47 hours):

Advanced Music History/Literature (5-6 hours) from:

- MUS 522 - Keyboard Literature I
- MUS 523 - Keyboard Literature II
- MUS 524 - Song and Opera Literature
- MUS 543 - Music of the Renaissance
- MUS 544 - Music of the Baroque Era
- MUS 545 - Music of the Classical Era
- MUS 546 - Music of the Romantic Era
- MUS 547 - Music Since 1900
- MUS 548 - Choral Literature

Advanced Music Theory (6 hours) from:

- MUS 313 - 16th Century Counterpoint
- MUS 314 - 18th Century Counterpoint
- MUS 315 - Form and Analysis
- MUS 327 - Composition Class
- MUS 328 - Instrumentation
- MUS 518 - Choral Arranging
- MUS 541 - Keyboard Harmony

Large Ensembles (8 hours) as determined by audition

full-time students shall be in an instrumental ensemble each semester until graduation.

- MUS 175 - Band
- MUS 375 - Band
- MUS 176 - University Symphony
- MUS 376 - University Symphony

Small Ensembles (4 hours) from:

- MUS 172 - Small Ensemble
- MUS 372 - Small Ensemble
- MUS 173 - Chamber Orchestra
- MUS 373 - Chamber Orchestra
- MUS 174 - Jazz Ensemble
- MUS 374 - Jazz Ensemble

Pedagogy (2 hours):

- MUS 538 - Survey of Pedagogical Methods

Applied Music (21 hours), must include

- MUS 398 - Junior Recital
- MUS 498 - Senior Recital

Public Affairs Capstone Experience will be fulfilled by completion of:

- MUS 498 - Senior Recital
  and 2 hours from:
- MUS 449 - String (Instrument)
- MUS 455 - Woodwind (Instrument)
- MUS 456 - Brass (Instrument)
- MUS 457 - Percussion
- MUS 458 - Guitar
- MUS 459 - Harp

- MUS 460 - Carillon

Jazz Performance option (46-47 hours):

Jazz Studies (14 hours):

Jazz Theory/Jazz Keyboard Skills (2 hours):

- MUS 119 - Jazz Theory/Jazz Keyboard Skills

Jazz Improvisation (6 hours):

- MUS 219 - Jazz Improvisation I
- MUS 220 - Jazz Improvisation II
- MUS 319 - Jazz Improvisation III

Jazz History (3 hours):

- MUS 347 - History of Jazz in American Culture

Jazz Arranging (3 hours):

- MUS 526 - Advanced Arranging

Public Affairs Capstone Experience will be fulfilled by completion of:

- MUS 498 - Senior Recital

and 2 hours from:

- MUS 449 - String (Instrument)
- MUS 451 - Piano
- MUS 455 - Woodwind (Instrument)
- MUS 456 - Brass (Instrument)
- MUS 457 - Percussion
- MUS 458 - Guitar

Advanced Music History (6 hours) from:

- MUS 543 - Music of the Renaissance
- MUS 544 - Music of the Baroque Era
- MUS 545 - Music of the Classical Era
- MUS 546 - Music of the Romantic Era
- MUS 547 - Music Since 1900

Advanced Music Theory (6-7 hours) from:

- MUS 313 - 16th Century Counterpoint
- MUS 314 - 18th Century Counterpoint
- MUS 315 - Form and Analysis
- MUS 327 - Composition Class
- MUS 328 - Instrumentation
- MUS 518 - Choral Arranging
- MUS 529 - Introduction to Commercial Music

Large Ensemble-Jazz (4 hours) as determined by audition from:

- MUS 174 - Jazz Ensemble
- MUS 374 - Jazz Ensemble

Small Ensemble-Jazz Symposium (6 hours) as determined by audition from:

- MUS 172 - Small Ensemble
- MUS 372 - Small Ensemble -Jazz section only.

Applied Music (10 hours), must include

- MUS 398 - Junior Recital
- MUS 498 - Senior Recital

Keyboard Performance option (46-47 hours):

Advanced Music History/Literature (5-6 hours) from:

- MUS 522 - Keyboard Literature I
- MUS 523 - Keyboard Literature II
- MUS 524 - Song and Opera Literature
- MUS 543 - Music of the Renaissance
- MUS 544 - Music of the Baroque Era
- MUS 545 - Music of the Classical Era
- MUS 546 - Music of the Romantic Era
- MUS 547 - Music Since 1900
- MUS 548 - Choral Literature

Advanced Music Theory (6 hours) from:

- MUS 313 - 16th Century Counterpoint
- MUS 314 - 18th Century Counterpoint
- MUS 315 - Form and Analysis
- MUS 327 - Composition Class
- MUS 328 - Instrumentation
- MUS 518 - Choral Arranging
- MUS 541 - Keyboard Harmony

Large Ensembles (8 hours) as determined by audition

full-time students shall be in a large ensemble each semester until graduation.

- MUS 161 - Men's Chorus
- MUS 361 - Men's Chorus
- MUS 561 - Men's Chorus
- MUS 162 - Choral Union
- MUS 362 - Choral Union
- MUS 163 - Women's Chorus

- MUS 363 - Women's Chorus
- MUS 563 - Women's Chorus
- MUS 168 - Chorale
- MUS 368 - Chorale
- MUS 175 - Band
- MUS 375 - Band
- MUS 176 - University Symphony
- MUS 376 - University Symphony
- MUS 192 - Accompanying
- MUS 392 - Accompanying

Small Ensembles (4 hours) from:

Keyboard majors may substitute up to three hours of Accompanying.

- MUS 172 - Small Ensemble
- MUS 372 - Small Ensemble
- MUS 173 - Chamber Orchestra
- MUS 373 - Chamber Orchestra
- MUS 174 - Jazz Ensemble
- MUS 374 - Jazz Ensemble

Pedagogy (2 hours):

- MUS 538 - Survey of Pedagogical Methods

Applied Music (21 hours). Complete one Primary Instrument:

Primary Instrument-Piano (19 hours) from

MUS 151 - Piano

MUS 251 - Piano

MUS 351 - Piano

MUS 451 - Piano

Must include:

MUS 398 - Junior Recital

MUS 498 - Senior Recital

and 2 hours from:

MUS 152 - Organ

MUS 252 - Organ

MUS 352 - Organ

MUS 452 - Organ

MUS 160 - Carillon

MUS 260 - Carillon

MUS 360 - Carillon

MUS 460 - Carillon (Organ or Carillon)

Primary Instrument-Organ (19 hours) from:

MUS 152 - Organ

MUS 252 - Organ

MUS 352 - Organ

MUS 452 - Organ

Must include:

MUS 398 - Junior Recital

MUS 498 - Senior Recital

and 2 hours from:

MUS 151 - Piano

MUS 251 - Piano

MUS 351 - Piano

MUS 451 - Piano

MUS 160 - Carillon

MUS 260 - Carillon

MUS 360 - Carillon

MUS 460 - Carillon (Piano or Carillon)

Primary Instrument-Carillon (19 hours) from:

MUS 160 - Carillon

MUS 260 - Carillon

MUS 360 - Carillon

MUS 460 - Carillon

Must include:

MUS 398 - Junior Recital

MUS 498 - Senior Recital

and 2 hours from:

MUS 151 - Piano

MUS 251 - Piano

MUS 351 - Piano

MUS 451 - Piano

MUS 152 - Organ

MUS 252 - Organ

MUS 352 - Organ

MUS 452 - Organ (Piano or Organ)

Public Affairs Capstone Experience will be fulfilled by completion of:

- MUS 498 - Senior Recital
  and 2 hours from:
- MUS 451 - Piano
- MUS 452 - Organ
- MUS 460 - Carillon

Vocal Performance option (54-55 hours):

Advanced Music History/Literature (5-6 hours) from:

- MUS 522 - Keyboard Literature I
- MUS 523 - Keyboard Literature II
- MUS 524 - Song and Opera Literature
- MUS 543 - Music of the Renaissance
- MUS 544 - Music of the Baroque Era
- MUS 545 - Music of the Classical Era
- MUS 546 - Music of the Romantic Era
- MUS 547 - Music Since 1900
- MUS 548 - Choral Literature

Advanced Music Theory (6 hours) select from:

- MUS 313 - 16th Century Counterpoint
- MUS 314 - 18th Century Counterpoint
- MUS 315 - Form and Analysis
- MUS 327 - Composition Class
- MUS 328 - Instrumentation
- MUS 518 - Choral Arranging
- MUS 541 - Keyboard Harmony

Large Ensembles (8 hours) as determined by audition

full-time students shall be in one of the following choral ensembles each semester until graduation.

- MUS 161 - Men's Chorus
- MUS 361 - Men's Chorus
- MUS 561 - Men's Chorus
- MUS 162 - Choral Union
- MUS 362 - Choral Union
- MUS 163 - Women's Chorus
- MUS 363 - Women's Chorus
- MUS 563 - Women's Chorus
- MUS 168 - Chorale
- MUS 368 - Chorale

Small Ensembles (4 hours):

- MUS 172 - Small Ensemble
- MUS 372 - Small Ensemble
- MUS 193 - Opera Workshop
- MUS 393 - Opera Workshop

Pedagogy (2 hours):

- MUS 530 - Vocal Pedagogy and Materials

Applied Music (21 hours), must include

- MUS 398 - Junior Recital
- MUS 498 - Senior Recital

Foreign Language (6 additional hours in a language other than that used in the Music Core)

select from: French, German, Italian.

Singing Diction I and II (2 hours):

- MUS 294 - Singing Diction I
- MUS 295 - Singing Diction II

Public Affairs Capstone Experience will be fulfilled by completion of:

- MUS 498 - Senior Recital
  and 2 hours from:
- MUS 453 - Voice

Total Credit Hours: 78-87

GPA graduation requirement for all options

A grade of "C" or better is required in all Music courses counted toward the major.

University level requirements

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Music (Non-Comprehensive) (BA)

Admission and audition requirements

Music degrees are designed to develop the student's abilities for performance, public school certification forteaching, 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 semesterprior to the first semester of enrollment in applied lessons. 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.

Major requirements

Note: A grade of "C" or better is required in all Music courses counted toward the major.

Basic Theory (9 hours):

- MUS 103 - Theory and Musicianship I
- MUS 104 - Theory and Musicianship II
- MUS 203 - Theory and Musicianship III

Music History/Literature (9 hours):

- MUS 239 - Introduction to World Music
- MUS 345 - Music in Western Culture and Society I
- MUS 346 - Music in Western Culture and Society II

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.

Performing Ensemble electives (4 hours):

Additional electives (10 hours):

selected in consultation with the advisor. Must include at least seven hours of upper division courses.

Recital Attendance:

- MUS 107 - Recital Attendance I
- MUS 108 - Recital Attendance II
- MUS 207 - Recital Attendance III
- MUS 208 - Recital Attendance IV
- MUS 307 - Recital Attendance V
- MUS 308 - Recital Attendance VI
- MUS 407 - Recital Attendance VII

Pass Piano Proficiency Examination.

Upper Division Applied Status:

- MUS 298 - Upper Division Applied Status

Public Affairs Capstone Experience will be fulfilled by completion of:

- MUS 346 - Music in Western Culture and Society II

GPA Graduation Requirement:

A grade of "C" or better is required in all Music courses counted toward the major.

Minor required (or second major).

Total Credit Hours: 38

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Music (Non-Comprehensive) (BS)

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. 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.

Major requirements

Note: A grade of "C" or better is required in all Music courses counted toward the major.

Basic Theory (9 hours):

- MUS 103 - Theory and Musicianship I
- MUS 104 - Theory and Musicianship II
- MUS 203 - Theory and Musicianship III

Music History/Literature (9 hours):

- MUS 239 - Introduction to World Music
- MUS 345 - Music in Western Culture and Society I
- MUS 346 - Music in Western Culture and Society II

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.

Performing Ensemble electives (4 hours)

Additional electives (10 hours):

selected in consultation with the advisor. Must include at least 7 hours of upper division courses.

Recital Attendance:

- MUS 107 - Recital Attendance I
- MUS 108 - Recital Attendance II
- MUS 207 - Recital Attendance III
- MUS 208 - Recital Attendance IV
- MUS 307 - Recital Attendance V
- MUS 308 - Recital Attendance VI
- MUS 407 - Recital Attendance VII

Pass Piano Proficiency Examination.

Upper Division Applied Status:

- MUS 298 - Upper Division Applied Status

Public Affairs Capstone Experience will be fulfilled by completion of:

- MUS 346 - Music in Western Culture and Society II

GPA Graduation Requirement:

A grade of "C" or better is required in all Music courses counted toward the major.

Minor required (or second major).

Total Credit Hours: 38

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

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.

- MUS 149 - String (Instrument)
- MUS 151 - Piano
- MUS 152 - Organ
- MUS 153 - Voice
- MUS 155 - Woodwind (Instrument)
- MUS 156 - Brass (Instrument)
- MUS 157 - Percussion
- MUS 158 - Guitar
- MUS 159 - Harp

- MUS 160 - Carillon
- MUS 249 - String Instrument
- MUS 251 - Piano
- MUS 252 - Organ
- MUS 253 - Voice
- MUS 255 - Woodwind (Instrument)
- MUS 256 - Brass (Instrument)
- MUS 257 - Percussion
- MUS 258 - Guitar
- MUS 259 - Harp
- MUS 260 - Carillon
- MUS 349 - String (Instrument)
- MUS 351 - Piano
- MUS 352 - Organ
- MUS 353 - Voice
- MUS 355 - Woodwind (Instrument)
- MUS 356 - Brass (Instrument)
- MUS 357 - Percussion
- MUS 358 - Guitar
- MUS 359 - Harp
- MUS 360 - Carillon
- MUS 398 - Junior Recital
- MUS 449 - String (Instrument)
- MUS 451 - Piano
- MUS 452 - Organ
- MUS 453 - Voice
- MUS 455 - Woodwind (Instrument)
- MUS 456 - Brass (Instrument)
- MUS 457 - Percussion
- MUS 458 - Guitar
- MUS 459 - Harp
- MUS 460 - Carillon
- MUS 498 - Senior Recital

Ensembles

All ensemble courses may be repeated for credit. Only eight hours of ensembles can be counted toward a degree.

- MUS 161 - Men's Chorus
- MUS 162 - Choral Union
- MUS 163 - Women's Chorus
- MUS 168 - Chorale
- MUS 172 - Small Ensemble
- MUS 173 - Chamber Orchestra
- MUS 174 - Jazz Ensemble
- MUS 175 - Band
- MUS 176 - University Symphony
- MUS 178 - University/Community Band

- MUS 192 - Accompanying
- MUS 193 - Opera Workshop
- MUS 280 - Musical Theatre Workshop
- MUS 361 - Men's Chorus
- MUS 362 - Choral Union
- MUS 363 - Women's Chorus
- MUS 368 - Chorale
- MUS 372 - Small Ensemble
- MUS 373 - Chamber Orchestra
- MUS 374 - Jazz Ensemble
- MUS 375 - Band
- MUS 376 - University Symphony
- MUS 380 - Musical Theatre Workshop
- MUS 392 - Accompanying
- MUS 393 - Opera Workshop
- MUS 480 - Musical Theatre Workshop
- MUS 561 - Men's Chorus
- MUS 563 - Women's Chorus

Music-Instrumental (BME)

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. 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

Application to Teacher Education is automatic upon completion of MUS 200 and is contingent upon completion of requirements. Admission to Teacher Education 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 Teacher Education.

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. Earned a composite score or superscore of 20 or higher 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.
7. Completion of Transition Point One.
8. Approval of the Educator Preparation Provider Council.

Major requirements

All students must be admitted to Teacher Education 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. Note: A grade of "C" or better is required in all Music courses counted toward the major.

Music Theory (14 hours):

- MUS 103 - Theory and Musicianship I
- MUS 104 - Theory and Musicianship II
- MUS 203 - Theory and Musicianship III
- MUS 204 - Theory and Musicianship IV
- MUS 315 - Form and Analysis

Music History/Literature (9 hours):

- MUS 239 - Introduction to World Music
- MUS 345 - Music in Western Culture and Society I
- MUS 346 - Music in Western Culture and Society II

Conducting (4 hours):

- MUS 321 - Conducting
- MUS 323 - Conducting-Instrumental

Secondary Instruments (6 hours):

- MUS 131 - String Techniques and Skills for the Music Educator
- MUS 141 - Single Reed Techniques and Skills for the Music Educator
- MUS 142 - Flute and Double Reed Techniques and Skills for the Music Educator
- MUS 144 - High Brass Techniques and Skills for the Music Educator
- MUS 145 - Low Brass Techniques and Skills for the Music Educator
- MUS 146 - Percussion Techniques and Skills for the Music Educator I

Music Education Elective (1-2 hours):

- MUS 135 - Voice Class I
- MUS 136 - Voice Class II
- MUS 216 - Introduction to Audio Techniques

- MUS 219 - Jazz Improvisation I
- MUS 327 - Composition Class

Specialization (3 hours):

- MUS 506 - Band Administration and Materials
  OR
- MUS 539 - String Pedagogy and Instrumental Literature and Materials for Elementary and Secondary Levels

Piano (3 hours - may be waived by examination):

- MUS 137 - Piano Class I
- MUS 138 - Piano Class II
- MUS 237 - Piano Class III

Instrumental Arranging (2 hours):

- MUS 328 - Instrumentation

Applied Music (14 hours:)

must include

- MUS 498 - Senior Recital

and 10-12 additional hours from Applied Music courses.

Applied music courses are delivered as individual instruction per instrument.

Recital Attendance:

- MUS 107 - Recital Attendance I
- MUS 108 - Recital Attendance II
- MUS 207 - Recital Attendance III
- MUS 208 - Recital Attendance IV
- MUS 307 - Recital Attendance V
- MUS 308 - Recital Attendance VI
- MUS 407 - Recital Attendance VII

Upper Division Applied Status:

- MUS 298 - Upper Division Applied Status

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. No more than two hours of MUS 177 and MUS 377 may be counted toward Large Ensemble credit.

- MUS 174 - Jazz Ensemble
- MUS 374 - Jazz Ensemble
- MUS 175 - Band
- MUS 375 - Band
- MUS 176 - University Symphony
- MUS 376 - University Symphony
- MUS 177 - Marching Band
- MUS 377 - Marching Band

Applied keyboard majors may substitute up to three hours of Accompanying:

- MUS 192 - Accompanying
- MUS 392 - Accompanying

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 MUS 177 or MUS 377.

Public Affairs Capstone Experience will be fulfilled by completion of:

- MUS 488 - Seminar in Supervised Teaching
- MUS 496 - Supervised Teaching (Secondary Music 7-12)

Total Credit Hours: 63 or 64

Professional Education requirements (34 hours):

Note: A grade of "C" or better in each course is required for state certification.

Introduction to Music Teaching

- MUS 148 - Introduction to Music Teaching

Principles and General Methods of Music Education

- MUS 200 - Principles and General Methods of Music Education

Adaptive Music for Special Learners

- MUS 340 - Adaptive Music for Special Learners

Introduction to Multicultural Education and Diversity

- EDC 345 - Introduction to Multicultural Education and Diversity

Educational Psychology

- PSY 360 - Educational Psychology

Reading and Writing in the Content Fields

- LTC 474 - Reading and Writing in the Content Fields

Secondary Instrumental Methods and Materials

- MUS 411 - Secondary Instrumental Methods and Materials

Music in Early Childhood and the Elementary School

- MUS 430 - Music in Early Childhood and the Elementary School

Student Teaching Seminar

- MUS 488 - Seminar in Supervised Teaching

Supervised Teaching

- MUS 494 - Supervised Teaching (Elementary Music K-6)
- MUS 496 - Supervised Teaching (Secondary Music 7-12)

At least a 3.00 combined (Missouri State and transfer) GPA

with no grade lower than a "C" in Professional Education requirements.

At least a 3.00 combined (Missouri State and transfer) GPA

with no grade lower than a "C" in major requirements.

Additionally, Missouri Department of Elementary and Secondary Education (MoDESE) certification

rules require the following:

a. Completed degree in music education.
b. Attainment of all Missouri Teacher Education Requirements in effect at the time of certification.

c. Successful completion of Missouri Educator Gateway Assessments (MEGA) as established by MoDESE. Refer to the MEGA website for details.

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

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 depart mental 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)

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.

Applied Voice (4 hours) select from:

- MUS 153 - Voice
- MUS 253 - Voice
- MUS 353 - Voice
- MUS 453 - Voice

and/or Voice Class (2 hours) select from:

- MUS 135 - Voice Class I
- MUS 136 - Voice Class II

Singing Diction (2 hours):

- MUS 294 - Singing Diction I
- MUS 295 - Singing Diction II

Choral Conducting (2 hours):

- MUS 322 - Conducting-Choral

Choral Literature (3 hours):

- MUS 510 - Adolescent and Early Adult Choral/Vocal Literature and Materials for Secondary Levels

Choral Arranging (2 hours):

- MUS 518 - Choral Arranging

Large Choral Ensemble (2 hours) select from:

- MUS 161 - Men's Chorus
- MUS 361 - Men's Chorus
- MUS 561 - Men's Chorus
- MUS 162 - Choral Union
- MUS 362 - Choral Union
- MUS 163 - Women's Chorus
- MUS 363 - Women's Chorus
- MUS 563 - Women's Chorus
- MUS 168 - Chorale
- MUS 368 - Chorale

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.

Applied Music-Instrumental (2 hours).

Techniques (6 hours - may be waived by examination) select from:

- MUS 131 - String Techniques and Skills for the Music Educator
- MUS 133 - Guitar for the Music Educator I
- MUS 141 - Single Reed Techniques and Skills for the Music Educator
- MUS 142 - Flute and Double Reed Techniques and Skills for the Music Educator
- MUS 144 - High Brass Techniques and Skills for the Music Educator
- MUS 145 - Low Brass Techniques and Skills for the Music Educator
- MUS 146 - Percussion Techniques and Skills for the Music Educator I

Instrumental Conducting (2 hours):

- MUS 323 - Conducting-Instrumental

Instrumentation (2 hours):

- MUS 328 - Instrumentation

Large Instrumental Ensemble (2 hours) select from:

- MUS 175 - Band
- MUS 375 - Band
- MUS 176 - University Symphony

- MUS 376 - University Symphony

GPA Graduation Requirement:

A grade of "C" or better is required in all Music courses counted toward the endorsements.

Music-Vocal/Choral (BME)

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. 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

Application to Teacher Education is automatic upon completion of MUS 200 and is contingent upon completion of requirements. Admission to Teacher Education 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 Teacher Education.

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. Earned a composite score or super score of 20 or higher 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.
7. Completion of Transition Point One.
8. Approval of the Educator Preparation Provider Council.

Major requirements

All students must be admitted to Teacher Education 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.

Note: A grade of "C" or better is required in all Music courses counted toward the major.

Music Theory (14 hours):

- MUS 103 - Theory and Musicianship I
- MUS 104 - Theory and Musicianship II
- MUS 203 - Theory and Musicianship III
- MUS 204 - Theory and Musicianship IV
- MUS 315 - Form and Analysis

Music History/Literature (9 hours):

- MUS 239 - Introduction to World Music
- MUS 345 - Music in Western Culture and Society I
- MUS 346 - Music in Western Culture and Society II

Conducting (4 hours):

- MUS 321 - Conducting
- MUS 322 - Conducting-Choral

Diction (2 hours):

- MUS 294 - Singing Diction I
- MUS 295 - Singing Diction II

Vocal Pedagogy and Materials (3 hours):

- MUS 530 - Vocal Pedagogy and Materials

Music Education Elective (2 hours):

- MUS 131 - String Techniques and Skills for the Music Educator
- MUS 141 - Single Reed Techniques and Skills for the Music Educator
- MUS 142 - Flute and Double Reed Techniques and Skills for the Music Educator
- MUS 144 - High Brass Techniques and Skills for the Music Educator
- MUS 145 - Low Brass Techniques and Skills for the Music Educator
- MUS 146 - Percussion Techniques and Skills for the Music Educator I
- MUS 216 - Introduction to Audio Techniques
- MUS 219 - Jazz Improvisation I
- MUS 327 - Composition Class

Piano (3 hours - may be waived by examination):

- MUS 137 - Piano Class I

- MUS 138 - Piano Class II
- MUS 237 - Piano Class III

Choral Arranging (2 hours):

- MUS 518 - Choral Arranging

Applied Music (14 hours):

- MUS 498 - Senior Recital

and 12 additional hours from

- MUS 153 - Voice
- MUS 253 - Voice
- MUS 353 - Voice
- MUS 453 - Voice

Recital Attendance:

- MUS 107 - Recital Attendance I
- MUS 108 - Recital Attendance II
- MUS 207 - Recital Attendance III
- MUS 208 - Recital Attendance IV
- MUS 307 - Recital Attendance V
- MUS 308 - Recital Attendance VI
- MUS 407 - Recital Attendance VII

Upper Division Applied Status:

- MUS 298 - Upper Division Applied Status

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 - Men's Chorus
- MUS 361 - Men's Chorus
- MUS 561 - Men's Chorus
- MUS 162 - Choral Union
- MUS 362 - Choral Union
- MUS 163 - Women's Chorus
- MUS 363 - Women's Chorus
- MUS 168 - Chorale

- MUS 368 - Chorale

Public Affairs Capstone Experience will be fulfilled by completion of:

- MUS 488 - Seminar in Supervised Teaching
- MUS 496 - Supervised Teaching (Secondary Music 7-12)

Total Credit Hours: 60

Professional Education requirements (37 hours):

Note: A grade of "C" or better in each course is required for state certification.

Introduction to Music Teaching

- MUS 148 - Introduction to Music Teaching

Principles and General Methods of Music Education

- MUS 200 - Principles and General Methods of Music Education

Adaptive Music for Special Learners

- MUS 340 - Adaptive Music for Special Learners

Introduction to Multicultural Education and Diversity

- EDC 345 - Introduction to Multicultural Education and Diversity

Educational Psychology

- PSY 360 - Educational Psychology

Reading and Writing in the Content Fields

- LTC 474 - Reading and Writing in the Content Fields

Music in Early Childhood and the Elementary School

- MUS 430 - Music in Early Childhood and the Elementary School

Middle Childhood and Preadolescent Vocal Methods and Material: Vocal

- MUS 410 - Middle Childhood and Preadolescent Vocal Methods and Materials

Adolescent and Early Adult Choral/Vocal Literature and Materials for Secondary Levels: Vocal

- MUS 510 - Adolescent and Early Adult Choral/Vocal Literature and Materials for Secondary Levels

Student Teaching Seminar

- MUS 488 - Seminar in Supervised Teaching

Supervised Teaching

- MUS 494 - Supervised Teaching (Elementary Music K-6)
- MUS 496 - Supervised Teaching (Secondary Music 7-12)

At least a 3.00 combined (Missouri State and transfer) GPA

with no grade lower than a "C" in Professional Education requirements.

At least a 3.00 combined (Missouri State and transfer) GPA

no grade lower than a "C" in major requirements.

Additionally, Missouri Department of Elementary and Secondary Education (MoDESE)

certification rules require the following:

a. Completed degree in music education.
b. Attainment of all Missouri Teacher Education Requirements in effect at the time of certification.
c. Successful completion of Missouri Educator Gateway Assessments (MEGA) as established by MoDESE.

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

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)

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.

Applied Voice (4 hours) select from:

- MUS 153 - Voice
- MUS 253 - Voice
- MUS 353 - Voice
- MUS 453 - Voice

and/or Voice Class (2 hours):

- MUS 135 - Voice Class I
- MUS 136 - Voice Class II

Singing Diction (2 hours):

- MUS 294 - Singing Diction I
- MUS 295 - Singing Diction II

Choral Conducting (2 hours):

- MUS 322 - Conducting-Choral

Choral Literature (3 hours):

- MUS 510 - Adolescent and Early Adult Choral/Vocal Literature and Materials for Secondary Levels

Choral Arranging (2 hours):

- MUS 518 - Choral Arranging

Large Choral Ensemble (2 hours) select from:

- MUS 161 - Men's Chorus
- MUS 361 - Men's Chorus
- MUS 561 - Men's Chorus
- MUS 162 - Choral Union
- MUS 362 - Choral Union
- MUS 163 - Women's Chorus
- MUS 363 - Women's Chorus
- MUS 563 - Women's Chorus
- MUS 168 - Chorale
- MUS 368 - Chorale

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.

Applied Music-Instrumental (2 hours)

Techniques (6 hours - may be waived by examination) select from:

- MUS 131 - String Techniques and Skills for the Music Educator
- MUS 133 - Guitar for the Music Educator I
- MUS 141 - Single Reed Techniques and Skills for the Music Educator
- MUS 142 - Flute and Double Reed Techniques and Skills for the Music Educator
- MUS 144 - High Brass Techniques and Skills for the Music Educator
- MUS 145 - Low Brass Techniques and Skills for the Music Educator
- MUS 146 - Percussion Techniques and Skills for the Music Educator I

Instrumental Conducting (2 hours):

- MUS 323 - Conducting-Instrumental

Instrumentation (2 hours):

- MUS 328 - Instrumentation

Large Instrumental Ensemble (2 hours):

- MUS 175 - Band
- MUS 375 - Band
- MUS 176 - University Symphony
- MUS 376 - University Symphony

GPA Graduation Requirement:

A grade of "C" or better is required in all Music courses counted toward the endorsements.

Musical Theatre (BFA)

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.

Major requirements

Acting (14 hours):

- THE 121 - Acting Studio I
- THE 221 - Acting Studio II
- THE 321 - Acting Studio III
- THE 421 - Acting Studio IV
- THE 451 - Auditions

Applied Voice (11 hours):

- MUS 298 - Upper Division Applied Status
- MUS 498 - Senior Recital

and from:

- MUS 153 - Voice
- MUS 253 - Voice
- MUS 353 - Voice
- MUS 453 - Voice

Stage Voice and Movement (12 hours):

- THE 122 - The Tools of the Actor
- THE 226 - Intermediate Voice and Movement
- THE 424 - Dialects

and select 6 hours from:

- THE 185 - Foundations in CCM
- THE 186 - CCM Studio Class I
- THE 285 - CCM Studio Class II
- THE 385 - CCM Studio Class III

- THE 386 - CCM Studio Class IV
- THE 485 - CCM Individual Vocal Coaching

History/Analysis (9 hours):

- THE 130 - Introduction to Script Analysis
- MUS 343 - Musical Theatre History I
- MUS 344 - Musical Theatre History II

Technology (7 hours):

- THE 150 - Introduction to Theatre Technology
- THE 151 - Introduction to Theatre Technology Lab
- THE 224 - Stage Makeup I

and select 3 hours from:

- THE 250 - Stagecraft and Construction I **AND**
- THE 251 - Stagecraft and Construction Lab

- THE 255 - Stage Lighting Technology

- THE 260 - Costume Construction I **AND**
- THE 261 - Costume Construction Lab

Musicianship (7 hours):

- MUS 103 - Theory and Musicianship I
- MUS 104 - Theory and Musicianship II
- MUS 137 - Piano Class I

Dance (12 hours):

- DAN 125 - Dance Fundamentals: Tap
  OR
- DAN 225 - Elementary Tap
- DAN 130 - Dance Fundamentals: Ballet
  OR
- DAN 230 - Elementary Ballet
- DAN 131 - Dance Fundamentals: Contemporary
  OR
- DAN 216 - Elementary Contemporary
- DAN 146 - Dance Fundamentals: Jazz
  OR
- DAN 245 - Elementary Jazz
- DAN 323 - Musical Theatre Dance Styles

If necessary, select additional hours to reach 12 hours in Dance from:

- DAN 225 - Elementary Tap
- DAN 245 - Elementary Jazz
- DAN 345 - Intermediate Jazz
  OR
- DAN 348 - Partnering

Musical Theatre Practicum (8 hours) from:

- MUS 193 - Opera Workshop
- MUS 280 - Musical Theatre Workshop
- MUS 380 - Musical Theatre Workshop
- MUS 480 - Musical Theatre Workshop
- THE 495 - Theatre Practicum

Electives (6 hours):

choose from Theatre, Music, or Dance courses with approval of advisor.

Public Affairs Capstone Experience will be fulfilled by completion of:

- MUS 344 - Musical Theatre History II
- MUS 498 - Senior Recital

Total Credit Hours: 86

GPA graduation requirements:

1. A grade of "C" or better is required in all MUS courses counted toward the major.
2. An overall GPA of 2.50 is required for all courses listed under major requirements

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Philosophy (Non-Comprehensive) (BA)

Major Requirements:

PHI 197, PHI 397, and PHI 496 may satisfy a distribution requirement for the major when their topics are deemed suitable by the department.

Logic and Analytical Reasoning

- PHI 305 - Elements of Symbolic Logic

Value Theory

Three hours from:

- PHI 345 - Theories of Ethics
- PHI 330 - Introduction to Political Theory
  OR
- PLS 330 - Introduction to Political Theory

Applied Ethics

Three hours from:

- PHI 302 - Environmental Ethics
- PHI 313 - Bioethics
- PHI 332 - Data Ethics
- PHI 340 - Philosophy of Law
- PHI 342 - Global Ethics

History of Philosophy

Six hours from:

- PHI 306 - History of Western Philosophy: Ancient
- PHI 310 - History of Western Philosophy: Modern
- PHI 312 - Contemporary Continental Philosophy

Theory of Knowledge and Metaphysics

Three hours from:

- PHI 331 - Philosophy of Psychology
- PHI 336 - Knowledge and Reality: Contemporary Approaches

Philosophical Perspectives and Area Studies

Three hours from:

- PHI 300 - Philosophical Ideas in Literature
- PHI 314 - Asian Philosophy
- PHI 315 - Philosophy of Religion
- PHI 319 - Feminist Philosophy
- PHI 320 - Aesthetics

Public Affairs Capstone Experience Requirement:

- PHI 350 - Philosophy and Public Affairs

Nine Additional Hours of Philosophy Courses

Major requires a minimum of 33 hours including at least 24 hours of upper division credit in the discipline.

Minor Required (or Second Major)

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.

Total Credit Hours: 33

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Philosophy (Non-Comprehensive) (BS)

Major Requirements

PHI 197, PHI 397, and PHI 496 may satisfy a distribution requirement for the major when their topics are deemed suitable by the department.

Logic and Analytical Reasoning

- PHI 305 - Elements of Symbolic Logic

Value Theory

Three hours from:

- PHI 345 - Theories of Ethics
- PHI 330 - Introduction to Political Theory
  OR
- PLS 330 - Introduction to Political Theory

Applied Ethics

Three hours from:

- PHI 302 - Environmental Ethics
- PHI 313 - Bioethics
- PHI 332 - Data Ethics
- PHI 340 - Philosophy of Law
- PHI 342 - Global Ethics

History of Philosophy

Six hours from:

- PHI 306 - History of Western Philosophy: Ancient
- PHI 310 - History of Western Philosophy: Modern
- PHI 312 - Contemporary Continental Philosophy

Theory of Knowledge and Metaphysics

Three hours from:

- PHI 331 - Philosophy of Psychology
- PHI 336 - Knowledge and Reality: Contemporary Approaches

Philosophical Perspectives and Area Studies

Three hours from:

- PHI 300 - Philosophical Ideas in Literature
- PHI 314 - Asian Philosophy
- PHI 315 - Philosophy of Religion
- PHI 319 - Feminist Philosophy
- PHI 320 - Aesthetics

Public Affairs Capstone Experience Requirement:

- PHI 350 - Philosophy and Public Affairs

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.

Minor Required (or Second Major)

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.

Total Credit Hours: 33

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Political Science (Non-Comprehensive) (BA)

Major Requirements

Note: Three hours may double toward General Education requirements.

Core Requirements

Courses counted toward core requirements and Public Affairs Capstone will not also count toward elective requirements.

- PLS 101 - American Democracy and Citizenship
- PLS 205 - Comparative Politics
- PLS 232 - International Relations
- PLS 255 - Public Administration
- PLS 330 - Introduction to Political Theory
  OR
- PHI 330 - Introduction to Political Theory
- PLS 492 - Program Assessment

One Course From:

- PLS 316 - Political Parties, Elections and Interest Groups
- PLS 317 - American Political Behavior
- PLS 413 - The American Executive
- PLS 414 - The Legislative Process

One Course From:

- PLS 515 - Constitutional Law I: Powers and Constraints
- PLS 517 - Constitutional Law II: Liberties and Rights
- PLS 520 - The U.S. Constitution and Equality

Total Credit Hours: 21

Public Affairs Capstone Experience

Three hours from the following list. Course cannot count toward both the 21 hour core requirement and the Capstone requirement.

- PLS 320 - American Foreign Policy
- PLS 413 - The American Executive
- PLS 414 - The Legislative Process
- PLS 437 - International Organizations and Law
- PLS 439 - Playing Games with the World
- PLS 443 - Nationalisms and Islamisms of the Middle East
- PLS 493 - Part-time Internship in Political Science
- PLS 494 - Full-time Internship in Political Science
- PLS 495 - Senior Honors Project in Political Science
- PLS 496 - Independent Study in Political Science
- PLS 498 - Part-time Internship in Public Administration
- PLS 515 - Constitutional Law I: Powers and Constraints
- PLS 517 - Constitutional Law II: Liberties and Rights
- PLS 520 - The U.S. Constitution and Equality

- PLS 544 - Government and Politics of the Middle East
- PLS 545 - Asian Politics
- PLS 546 - Political Violence and Terrorism
- PLS 547 - Politics of the European Union and Its Members
- PLS 548 - Latin American Politics
- PLS 550 - Modern African Politics
- PLS 555 - Public Policy for a Global Environment
- PLS 561 - Ancient Political Thought
- PLS 563 - Modern Political Theory
- PLS 565 - Contemporary Political Ideologies
- PLS 567 - American Political Thought
- PLS 569 - Foreign Policies of the Middle Eastern States
- PLS 573 - Policy Analysis
- PLS 576 - Quantitative Methods of Political Science and Public Policy
- PLS 497 - Special Topics may be approved by the department.

15 Hours of Electives From at Least Three of the Following Subfields:

Note: PLS 493, PLS 494, PLS 495, PLS 496, PLS 497 will be assigned to fields according to topic. No more than six hours will be counted toward the major from PLS 493, PLS 494, PLS 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.

American Government and Politics:

- PLS 316 - Political Parties, Elections and Interest Groups
- PLS 317 - American Political Behavior
- PLS 413 - The American Executive
- PLS 414 - The Legislative Process

International Politics:

- PLS 301 - U.S. National Security
- PLS 320 - American Foreign Policy
- PLS 333 - Model United Nations
- PLS 437 - International Organizations and Law
- PLS 439 - Playing Games with the World
- PLS 547 - Politics of the European Union and Its Members

Comparative Governments and Politics:

- PLS 319 - Women in Politics
- PLS 338 - Politics of Less Developed Countries
- PLS 343 - Post-Soviet Politics
- PLS 443 - Nationalisms and Islamisms of the Middle East
- PLS 544 - Government and Politics of the Middle East
- PLS 545 - Asian Politics
- PLS 546 - Political Violence and Terrorism

- PLS 548 - Latin American Politics
- PLS 550 - Modern African Politics

Public Administration:

- PLS 102 - Introduction to American Public Policy
- PLS 315 - Federalism and Intergovernmental Relations
- PLS 351 - Municipal Government and Administration
- PLS 355 - Emergencies, Disasters and Catastrophes
- PLS 498 - Part-time Internship in Public Administration
- PLS 555 - Public Policy for a Global Environment
- PLS 573 - Policy Analysis

Political Theory:

- PLS 561 - Ancient Political Thought
- PLS 563 - Modern Political Theory
- PLS 565 - Contemporary Political Ideologies
- PLS 567 - American Political Thought

Public Law:

- CRM 260 - Criminal Law and the Courts
- PLS 419 - The Judicial Process
- PLS 515 - Constitutional Law I: Powers and Constraints
- PLS 517 - Constitutional Law II: Liberties and Rights
- PLS 520 - The U.S. Constitution and Equality

Minor Required (or Second Major)

Total Credit Hours: 39

University Level Requirements:

1. General Education Program & Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Accelerated graduate program in Public Administration

Eligible students in this major may apply to the Master of Public Administration program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Political Science (Non-Comprehensive) (BS)

Major Requirements

Note: Three hours may double count toward General Education requirements.

Core Requirements (24 hours):

Courses counted toward core requirements and Public Affairs Capstone will not also count toward elective requirements.

- PLS 101 - American Democracy and Citizenship
- PLS 205 - Comparative Politics
- PLS 232 - International Relations
- PLS 255 - Public Administration
- PLS 330 - Introduction to Political Theory
  OR
- PHI 330 - Introduction to Political Theory

- PLS 492 - Program Assessment
- PLS 576 - Quantitative Methods of Political Science and Public Policy

One Course From:

- PLS 316 - Political Parties, Elections and Interest Groups
- PLS 317 - American Political Behavior
- PLS 413 - The American Executive
- PLS 414 - The Legislative Process

One Course From:

- PLS 515 - Constitutional Law I: Powers and Constraints
- PLS 517 - Constitutional Law II: Liberties and Rights
- PLS 520 - The U.S. Constitution and Equality

Public Affairs Capstone Experience

Three hours from the following list. Course cannot count toward both the 24 hour core requirement and the Capstone requirement.

- PLS 320 - American Foreign Policy
- PLS 413 - The American Executive
- PLS 414 - The Legislative Process
- PLS 437 - International Organizations and Law
- PLS 439 - Playing Games with the World
- PLS 443 - Nationalisms and Islamisms of the Middle East
- PLS 493 - Part-time Internship in Political Science
- PLS 494 - Full-time Internship in Political Science
- PLS 495 - Senior Honors Project in Political Science
- PLS 496 - Independent Study in Political Science

- PLS 498 - Part-time Internship in Public Administration
- PLS 515 - Constitutional Law I: Powers and Constraints
- PLS 517 - Constitutional Law II: Liberties and Rights
- PLS 520 - The U.S. Constitution and Equality
- PLS 544 - Government and Politics of the Middle East
- PLS 545 - Asian Politics
- PLS 546 - Political Violence and Terrorism
- PLS 547 - Politics of the European Union and Its Members
- PLS 548 - Latin American Politics
- PLS 550 - Modern African Politics
- PLS 555 - Public Policy for a Global Environment
- PLS 561 - Ancient Political Thought
- PLS 563 - Modern Political Theory
- PLS 565 - Contemporary Political Ideologies
- PLS 567 - American Political Thought
- PLS 569 - Foreign Policies of the Middle Eastern States
- PLS 573 - Policy Analysis
- PLS 576 - Quantitative Methods of Political Science and Public Policy
- PLS 497 - Special Topics may be approved by the department.

15 Hours of Electives From at Least Three of the Following Subfields:

Note: PLS 493, PLS 494, PLS 495, PLS 496, PLS 497 will be assigned to fields according to topic. No more than six hours will be counted toward the major from PLS 493, PLS 494, PLS 498.

American Government and Politics:

- PLS 316 - Political Parties, Elections and Interest Groups
- PLS 317 - American Political Behavior
- PLS 413 - The American Executive
- PLS 414 - The Legislative Process

International Politics:

- PLS 301 - U.S. National Security
- PLS 320 - American Foreign Policy
- PLS 333 - Model United Nations
- PLS 437 - International Organizations and Law
- PLS 439 - Playing Games with the World
- PLS 547 - Politics of the European Union and Its Members

Comparative Governments and Politics:

- PLS 319 - Women in Politics
- PLS 338 - Politics of Less Developed Countries
- PLS 343 - Post-Soviet Politics
- PLS 443 - Nationalisms and Islamisms of the Middle East

- PLS 544 - Government and Politics of the Middle East
- PLS 545 - Asian Politics
- PLS 546 - Political Violence and Terrorism
- PLS 548 - Latin American Politics
- PLS 550 - Modern African Politics

Public Administration:

- PLS 102 - Introduction to American Public Policy
- PLS 315 - Federalism and Intergovernmental Relations
- PLS 351 - Municipal Government and Administration
- PLS 355 - Emergencies, Disasters and Catastrophes
- PLS 498 - Part-time Internship in Public Administration
- PLS 555 - Public Policy for a Global Environment
- PLS 573 - Policy Analysis

Political Theory:

- PLS 561 - Ancient Political Thought
- PLS 563 - Modern Political Theory
- PLS 565 - Contemporary Political Ideologies
- PLS 567 - American Political Thought

Public Law:

- CRM 260 - Criminal Law and the Courts
- PLS 419 - The Judicial Process
- PLS 515 - Constitutional Law I: Powers and Constraints
- PLS 517 - Constitutional Law II: Liberties and Rights
- PLS 520 - The U.S. Constitution and Equality

Minor Required (or Second Major)

Total Credit Hours: 42

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Accelerated graduate program in Public Administration

Eligible students in this major may apply to the Master of Public Administration program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Professional Writing (BA)

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.

Major requirements

Three hours from:

- ENG 221 - Writing II: Writing for the Professions
  OR
- ENG 222 - Writing for Social Change

21 hours from:

- ENG 321 - Writing II: Beginning Technical Writing
- ENG 373 - Writing with Technology
- ENG 377 - Professional Editing
- ENG 421 - Advanced Technical Writing
- ENG 422 - Career Focus in Professional Writing
- ENG 500 - Advanced Writing: Nonfiction
- ENG 574 - Technical Writing Internship

15 hours from:

- ENG 322 - Advanced Writing for Social Change
- ENG 473 - Writing with Technology II
- ENG 477 - Advanced Professional Editing
- ENG 487 - Analysis of Scientific Literature
- ENG 532 - Writing in the Legal Profession
- ENG 537 - Writing for Intercultural Audiences
- ENG 549 - Ethics in Professional Writing
- ENG 550 - Writing About Food
- ENG 567 - Data Displays in Technical Documents
- ENG 569 - Nonfiction Publishing
- ENG 570 - Writing in the Health Professions
- ENG 572 - Writing Grant Proposals
- ENG 573 - Writing for the Web
- ENG 574 - Technical Writing Internship *
- ENG 575 - Topics in Professional Writing
- or approved upper-division cognate courses for a total of not fewer than 39 hours.

Note:

*Credit may only be used to satisfy one requirement. ENG 574 is repeatable up to 6 hours. If repeated, all 6 hours may count towards the major requirements.

Public Affairs Capstone Experience will be fulfilled by completion of:

- ENG 421 - Advanced Technical Writing
- ENG 422 - Career Focus in Professional Writing
- ENG 574 - Technical Writing Internship

Minor required (or second major).

Specific Bachelor of Arts Degree Requirements

Total Credit Hours: 39

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 110, ENG 210 and ENG 221, English courses counted toward the major or minor can also be counted toward the General Education requirements.

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Policies & Requirements

Accelerated graduate program in Writing-Technical/Professional Writing Track Only

Eligible students in this major may apply to the Master of Arts in Writing (Technical and Professional Writing track only) program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Professional Writing (BS)

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.

Major requirements

Three hours from:

- ENG 221 - Writing II: Writing for the Professions
  or
- ENG 222 - Writing for Social Change

21 hours from:

- ENG 321 - Writing II: Beginning Technical Writing
- ENG 373 - Writing with Technology
- ENG 377 - Professional Editing
- ENG 421 - Advanced Technical Writing
- ENG 422 - Career Focus in Professional Writing
- ENG 500 - Advanced Writing: Nonfiction
- ENG 574 - Technical Writing Internship

15 hours from:

- ENG 322 - Advanced Writing for Social Change
- ENG 473 - Writing with Technology II
- ENG 477 - Advanced Professional Editing
- ENG 487 - Analysis of Scientific Literature
- ENG 532 - Writing in the Legal Profession
- ENG 537 - Writing for Intercultural Audiences
- ENG 549 - Ethics in Professional Writing
- ENG 550 - Writing About Food
- ENG 567 - Data Displays in Technical Documents
- ENG 569 - Nonfiction Publishing
- ENG 570 - Writing in the Health Professions
- ENG 572 - Writing Grant Proposals
- ENG 573 - Writing for the Web
- ENG 574 - Technical Writing Internship *
- ENG 575 - Topics in Professional Writing
- or approved upper-division cognate courses for a total of not fewer than 39 hours.

Note:

Credit may only be used to satisfy one requirement. ENG 574 is repeatable up to 6 hours. If repeated, all 6 hours may count towards the major requirements.

Public Affairs Capstone Experience will be fulfilled by completion of:

- ENG 421 - Advanced Technical Writing
- ENG 422 - Career Focus in Professional Writing

- ENG 574 - Technical Writing Internship

Minor required (or second major).

Total Credit Hours: 39

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Policies & 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 110, ENG 210 and ENG 221, English courses counted toward the major or minor can also be counted toward the General Education requirements.

Accelerated graduate program in Writing-Technical/Professional Writing Track Only

Eligible students in this major may apply to the Master of Arts in Writing (Technical and Professional Writing track only) program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Public Relations (Non-Comprehensive) (BS)

Major requirements

Departmental requirements

- COM 219 - Public Relations Theory and Research
- COM 328 - Persuasion

Public relations requirements

- COM 309 - Principles of Public Relations
- COM 379 - Writing for Public Relations
- COM 439 - Techniques and Cases in Public Relations
- COM 459 - Social Media Analytics for Public Relations
- COM 469 - Global Public Relations
- COM 509 - Communication Campaigns

Supporting major electives (12 hours) from:

- COM 205 - Interpersonal Communication Theory and Skills
- COM 322 - Introduction to Argumentation
- COM 336 - Communication in Organizations
- COM 450 - Political Communication
- COM 466 - Social Movement Communication
- COM 479 - Strategic Communication for Events
- COM 495 - Communication Internship
- JRN 270 - Introduction to Journalism
- JRN 370 - News Reporting and Writing
- JRN 374 - Opinion Writing
- JRN 375 - Feature Writing
- JRN 381 - Broadcast News Writing
- JRN 384 - Broadcast Performance
- MED 290 - Fundamentals of Multimedia Design
- MED 345 - Fundamentals of Media Production
  OR
- MED 365 - Digital Film and Media Production
- MED 355 - Social Media
- MED 381 - Broadcast Writing
- MED 390 - Interactive Web Design
- DES 300 - Graphics for the Non-Design Major
- ENG 321 - Writing II: Beginning Technical Writing
- ENG 373 - Writing with Technology
- AGC 293 - News Writing in Agriculture
- AGC 303 - Event Communications for Agricultural Organizations
- AGC 333 - Layout and Design for Agricultural Publications
- AGC 373 - Online Communication for Agricultural Organizations

Public Affairs Capstone Experience will be fulfilled by completion of:

- COM 509 - Communication Campaigns

Minor required (or second major).

Note: courses counted toward the minor cannot be counted toward this major.

Total Credit Hours: 36

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Religious Studies (Non-Comprehensive) (BA)

Major Requirements

Note: Six hours may double count toward General Education.

- REL 100 - Introduction to Religion
- REL 101 - Old Testament/Hebrew Bible
- REL 102 - New Testament
- REL 110 - World Religions
- REL 131 - Religion in America
- REL 580 - Theories of Religion

12 Hours Distributed So That There Will Be Three Hours in Each of the Other Four Areas*

*Variable content courses (REL 397, REL 399, REL 499) may be counted where appropriate with the approval of the advisor and department head. A maximum of three hours of REL 499 may be applied to the major.

Religions of Asia:

- REL 355 - Buddhism
- REL 357 - Religions of China and Japan
- REL 358 - Yoga and Meditation
- REL 360 - Hinduism
- REL 540 - Topics in the Religions of Asia **

Biblical Studies:

- REL 312 - The Hebrew Prophets
- REL 319 - The Bible and Film
- REL 320 - Jesus of Nazareth
- REL 321 - Paul
- REL 322 - Romans
- REL 323 - Apocalypses
- REL 325 - Dead Sea Scrolls
- REL 327 - Religions of the Ancient Near East
- REL 362 - Jesus and the Parable Tradition
- REL 510 - Topics in Biblical Studies **
- REL 570 - Archaeology and the Bible **

Religions of Europe and the Middle East:

- REL 326 - Greek and Roman Religions
- REL 330 - Judaism
- REL 338 - Death, Dying, and Afterlife
- REL 340 - Christianity
- REL 341 - C. S. Lewis

- REL 342 - Catholicism
- REL 350 - Islam
- REL 550 - Topics in Religions of Europe and the Middle East **

Religion and Culture:

- REL 200 - Religion in the News
- REL 315 - Native American Religions
- REL 332 - Modern Religious Thought
- REL 344 - New Religious Movements
- REL 345 - African American Religious Experience
- REL 346 - Sexuality and American Religion
- REL 347 - Suffering and Meaning
- REL 348 - Religion, Spirituality, and Health
- REL 368 - Body and Health in American Religions
- REL 370 - Women and Religion
- REL 375 - Religion and Science Fiction
- REL 378 - Religion and Healing in Modern America
- REL 530 - Topics in Religion and Culture **
- REL 532 - Religion, Media, and Popular Culture **
- REL 538 - History of Pentecostalism **

- REL 390 - Religion in Society
  OR
- SOC 390 - Religion in Society
  OR
- PSY 533 - Psychological Issues in Religion **

Three Additional Hours of 500-level Coursework:

- REL 510 - Topics in Biblical Studies **
- REL 530 - Topics in Religion and Culture **
- REL 532 - Religion, Media, and Popular Culture **
- REL 538 - History of Pentecostalism **
- REL 540 - Topics in the Religions of Asia **
- REL 550 - Topics in Religions of Europe and the Middle East **
- REL 570 - Archaeology and the Bible **
- PSY 533 - Psychological Issues in Religion **

Public Affairs Capstone Experience will be fulfilled by completion of:

- REL 580 - Theories of Religion

Note:

**Courses may not be used to satisfy more than one requirement within the major.

Minor Required (or Second Major)

Total Credit Hours: 33

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Religious Studies (Non-Comprehensive) (BS)

Major Requirements

Note: Six hours may double count toward General Education.

- REL 100 - Introduction to Religion
- REL 101 - Old Testament/Hebrew Bible
- REL 102 - New Testament
- REL 110 - World Religions
- REL 131 - Religion in America
- REL 580 - Theories of Religion

18 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*. Students pursuing a second major may be eligible to apply up to six credit hours taken in the second major towards requirements for the Religious Studies major, with advisor and department head approval.

*Variable content courses (REL 397, REL 399, REL 499) may be counted where appropriate with the approval of the advisor and department head. A maximum of three hours of REL 499 may be applied to the major.

Religions of Asia:

- REL 355 - Buddhism
- REL 357 - Religions of China and Japan
- REL 358 - Yoga and Meditation
- REL 360 - Hinduism
- REL 540 - Topics in the Religions of Asia **

Biblical Studies:

- REL 312 - The Hebrew Prophets
- REL 319 - The Bible and Film
- REL 320 - Jesus of Nazareth
- REL 321 - Paul
- REL 322 - Romans

- REL 323 - Apocalypses
- REL 325 - Dead Sea Scrolls
- REL 327 - Religions of the Ancient Near East
- REL 362 - Jesus and the Parable Tradition
- REL 510 - Topics in Biblical Studies **
- REL 570 - Archaeology and the Bible **

Religions of Europe and the Middle East:

- REL 326 - Greek and Roman Religions
- REL 330 - Judaism
- REL 338 - Death, Dying, and Afterlife
- REL 340 - Christianity
- REL 341 - C. S. Lewis
- REL 342 - Catholicism
- REL 350 - Islam
- REL 550 - Topics in Religions of Europe and the Middle East **

Religion and Culture:

- REL 200 - Religion in the News
- REL 315 - Native American Religions
- REL 332 - Modern Religious Thought
- REL 344 - New Religious Movements
- REL 345 - African American Religious Experience
- REL 346 - Sexuality and American Religion
- REL 347 - Suffering and Meaning
- REL 348 - Religion, Spirituality, and Health
- REL 368 - Body and Health in American Religions
- REL 370 - Women and Religion
- REL 375 - Religion and Science Fiction
- REL 378 - Religion and Healing in Modern America
- REL 530 - Topics in Religion and Culture **
- REL 532 - Religion, Media, and Popular Culture **
- REL 538 - History of Pentecostalism **

- REL 390 - Religion in Society
  OR
- SOC 390 - Religion in Society
  OR
- PSY 533 - Psychological Issues in Religion **

Three Additional Hours of 500-level Coursework:

- REL 510 - Topics in Biblical Studies **
- REL 530 - Topics in Religion and Culture **
- REL 532 - Religion, Media, and Popular Culture **

- REL 538 - History of Pentecostalism **
- REL 540 - Topics in the Religions of Asia **
- REL 550 - Topics in Religions of Europe and the Middle East **
- REL 570 - Archaeology and the Bible **
- PSY 533 - Psychological Issues in Religion **

Public Affairs Capstone Experience will be fulfilled by completion of:

- REL 580 - Theories of Religion

Note:

**Courses may not be used to satisfy more than one requirement within the major.

Minor Required (or Second Major)

Total Credit Hours: 39

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Screenwriting and Film Studies (Non-Comprehensive) (BA)

Major requirements

Note: three hours may double count in General Education requirements.

Specific General Education Requirement:

- MED 120 - Mass Media and Society

Departmental required courses:

- MED 130 - Media Professionalism
- MED 304 - Media Effects
- MED 581 - Media Ethics and Law

Film Studies core:

- MED 274 - Introduction to Film
- MED 374 - History of Film I
- MED 375 - History of Film II

- MED 570 - Film Theory

Screenwriting core:

- MED 360 - Beginning Screenwriting
- MED 565 - Intermediate Screenwriting
- MED 566 - Writing for Television
- MED 569 - Advanced Screenwriting
- MED 593 - Rewriting Features and Pilots

Three hours from electives:

- MED 300 - Special Topics in Media
- MED 325 - Media History
- MED 454 - Media Analysis and Criticism
- MED 463 - Writing Adaptations for Television and Film
- MED 464 - Genre Writing for Film and Television
- MED 470 - Special Topics in Film
- MED 492 - Independent Study in Electronic Media
- MED 595 - Media Internship
- MED 597 - Advanced Studies in Media

Public Affairs Capstone Experience will be fulfilled by completion of:

- MED 581 - Media Ethics and Law

Minor required (or second major).

Note: Students may not minor in Screenwriting or Film Studies. No course may count for both the Screenwriting and Film Studies major and a minor within the department.

Note:

When applicable, MED 300 - Special Topics in Media, MED 470 - Special Topics in Film, MED 492 - 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.

Total Credit Hours: 42

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Screenwriting and Film Studies (Non-Comprehensive) (BS)

Major requirements

Note: three hours may double count in General Education requirements.

Specific General Education requirement:

- MED 120 - Mass Media and Society

Departmental required courses:

- MED 130 - Media Professionalism
- MED 304 - Media Effects
- MED 581 - Media Ethics and Law

Film Studies core:

- MED 274 - Introduction to Film
- MED 374 - History of Film I
- MED 375 - History of Film II
- MED 570 - Film Theory

Screenwriting core:

- MED 360 - Beginning Screenwriting
- MED 565 - Intermediate Screenwriting
- MED 566 - Writing for Television
- MED 569 - Advanced Screenwriting
- MED 593 - Rewriting Features and Pilots

Three hours of electives from:

- MED 300 - Special Topics in Media
- MED 325 - Media History
- MED 454 - Media Analysis and Criticism
- MED 463 - Writing Adaptations for Television and Film
- MED 464 - Genre Writing for Film and Television
- MED 470 - Special Topics in Film
- MED 492 - Independent Study in Electronic Media
- MED 595 - Media Internship
- MED 597 - Advanced Studies in Media

Public Affairs Capstone Experience will be fulfilled by completion of:

- MED 581 - Media Ethics and Law

Minor required (or second major).

Note: Students may not minor in Screenwriting or Film Studies. No course may count for both the Screenwriting and Film Studies major and a minor within the department.

Note:

When applicable, MED 300 - Special Topics in Media, MED 470 - Special Topics in Film, MED 492 - 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.

Total Credit Hours: 42

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Sociology (Non-Comprehensive) (BA)

Major Requirements

Note: Three hours may double count toward General Education requirements.

- SOC 150 - Introduction to Society
- SOC 220 - Statistics for Social Research or equivalent
- SOC 301 - Research Methodology
- SOC 325 - Introduction to Sociological Theory
- SOC 398 - Public Sociology and Community Studies
- SOC 492 - Leadership and Professional Development

One Course Designated as Having a Cultural Competence Component:

- SOC 336 - Race and Ethnicity
- SOC 337 - Sociology of Gender
- SOC 340 - Global Health and Social Justice
- SOC 350 - Violence and Society in Latin America
- SOC 375 - Social Forces and Aging
- SOC 420 - Social Inequality
- SOC 480 - Health Inequities Across the Life Course

One Course Designated as Having a Community Engagement Component:

- ANT 321 - Ethnographic Field School

- ANT 400 - Action Anthropology
- ANT 511 - Ethnographic Field Methods
- SOC 152 - Social Problems in the Community
- SOC 300 - Service Learning Curricular Component
- SOC 430 - The Nonprofit Sector and Civil Society
- SOC 499 - Internship in Applied Sociology

Additional Hours in Sociology to Bring Total in Major to 36.

Must include at least 24 hours of upper division credit in the discipline. Up to six hours of Anthropology (ANT) courses can count toward the Sociology major.

Public Affairs Capstone Experience will be fulfilled by completion of:

- SOC 492 - Leadership and Professional Development

Minor Required (or Second Major)

Total Credit Hours: 36

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Sociology (Non-Comprehensive) (BS)

Major Requirements

Note: Three hours may double count toward General Education requirements.

- SOC 150 - Introduction to Society
- SOC 220 - Statistics for Social Research or equivalent
- SOC 301 - Research Methodology
- SOC 325 - Introduction to Sociological Theory
- SOC 398 - Public Sociology and Community Studies
- SOC 492 - Leadership and Professional Development

One Course Designated as Having a Cultural Competence Component:

- SOC 336 - Race and Ethnicity
- SOC 337 - Sociology of Gender
- SOC 340 - Global Health and Social Justice
- SOC 350 - Violence and Society in Latin America
- SOC 375 - Social Forces and Aging

- SOC 420 - Social Inequality
- SOC 480 - Health Inequities Across the Life Course

One Course Designated as Having a Community Engagement Component:

- ANT 321 - Ethnographic Field School
- ANT 400 - Action Anthropology
- ANT 511 - Ethnographic Field Methods
- SOC 152 - Social Problems in the Community
- SOC 300 - Service Learning Curricular Component
- SOC 430 - The Nonprofit Sector and Civil Society
- SOC 499 - Internship in Applied Sociology

Additional Hours in Sociology to bring total in major to 36.

Must include at least 24 hours of upper division credit in the discipline. Up to six hours of Anthropology (ANT) courses can count toward the Sociology major.

Public Affairs Capstone Experience will be fulfilled by completion of:

- SOC 492 - Leadership and Professional Development

Minor Required (or Second Major)

Total Credit Hours: 36

University Level Requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Speech and Theatre Education (BSEd)

Major requirements

Major core (35 hours):

Specific General Education requirements:

- COM 115 - Fundamentals of Public Speaking
- MED 120 - Mass Media and Society
- PSY 121 - Introductory Psychology

Core:

- COM 115 - Fundamentals of Public Speaking
- COM 322 - Introduction to Argumentation
- COM 532 - Teaching Debate
- COM 534 - Teaching Individual Events
- COM 536 - Directing Forensics
- THE 130 - Introduction to Script Analysis
- THE 150 - Introduction to Theatre Technology
- THE 151 - Introduction to Theatre Technology Lab
- THE 222 - Acting Fundamentals
- THE 323 - Devised Theatre Performance
- THE 430 - Directing I
- MED 120 - Mass Media and Society

Public Affairs Capstone Experience will be fulfilled by completion of:

- COM 491 - Supervised Teaching (Secondary Speech and Theatre)

Communication Option (12 hours):

- COM 205 - Interpersonal Communication Theory and Skills
- COM 209 - Survey of Communication Theory

Six hours from:

- COM 307 - Gender and Communication
- COM 320 - Principles of Advanced Debate
- COM 321 - Inter-Collegiate Debating
- COM 328 - Persuasion
- COM 332 - Small Group Communication
- COM 336 - Communication in Organizations
- COM 350 - The Rhetorical Tradition and Contemporary Applications
- COM 405 - Advanced Interpersonal Communication
- COM 410 - Conflict and Communication
- COM 412 - Communication and Diversity in the Workplace
- COM 521 - Communication, Mediation, and Negotiation
- THE 505 - Theatre for Children and Youth
- THE 506 - Creative Dramatics
- THE 510 - Solo Performance
- THE 515 - Theatre for Social Change
- THE 530 - Directing II
- THE 541 - Theatre History I
- THE 542 - Theatre History II

Professional Education requirements (32 hours):

Teaching methods and supervised teaching

- COM 417 - Teaching of Speech and Theatre
- COM 490 - Supervised Teaching (Secondary Speech and Theatre)
- COM 491 - Supervised Teaching (Secondary Speech and Theatre)

Additional Professional Education Required Core and Competencies (17 hours):

Refer to Teacher Education and Teacher Certification Requirements for additional Professional Education Required Core and Competencies.

Teacher Education Requirements:

This program also requires compliance with Teacher Education and Teacher Certification Requirements for eligibility to enroll in Professional Education courses; admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification.

This program also requires the following for eligibility to enroll in Professional Education courses

admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification. All GPA requirements include both Missouri State and transfer grades.

a. at least a 2.75 GPA on all course work attempted at all colleges attended.
b. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under major requirements.
c. at least a 3.00 GPA in any additional certificate subject area.
d. at least a 3.00 GPA in the professional education courses which includes all courses in number 1 and 2;and no grade lower than a "C" in all professional education courses.

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Speech and Theatre Education (BSEd)

Major requirements

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, Media, Journalism and Film). Both options meet state certification requirements for Speech and Theatre Education.

Note: Nine hours may double count in General Education requirements.

Major core (35 hours):

- COM 115 - Fundamentals of Public Speaking
- COM 322 - Introduction to Argumentation

- COM 532 - Teaching Debate
- COM 534 - Teaching Individual Events
- COM 536 - Directing Forensics
- THE 130 - Introduction to Script Analysis
- THE 150 - Introduction to Theatre Technology
- THE 151 - Introduction to Theatre Technology Lab
- THE 222 - Acting Fundamentals
- THE 323 - Devised Theatre Performance
- THE 430 - Directing I
- MED 120 - Mass Media and Society

Specific General Education requirements:

- COM 115 - Fundamentals of Public Speaking
- MED 120 - Mass Media and Society
- PSY 121 - Introductory Psychology

Public Affairs Capstone Experience will be fulfilled by completion of:

- THE 491 - Supervised Teaching (Secondary Speech and Theatre)

Theatre Option (21 hours):

- THE 125 - Voice and Movement for the Stage
- THE 224 - Stage Makeup I
- THE 250 - Stagecraft and Construction I
- THE 251 - Stagecraft and Construction Lab
- THE 255 - Stage Lighting Technology
- THE 260 - Costume Construction I
- THE 261 - Costume Construction Lab
- THE 530 - Directing II
- THE 541 - Theatre History I
- THE 542 - Theatre History II

Total Credit Hours: 56

Professional Education requirements (32 hours):

Teaching methods and supervised teaching

- THE 417 - Teaching of Speech and Theatre
- THE 490 - Supervised Teaching (Secondary Speech and Theatre)
- THE 491 - Supervised Teaching (Secondary Speech and Theatre)

Additional Professional Education Required Core and Competencies

Refer to Teacher Education and Teacher Certification Requirements.

Teacher Education Requirements:

This program also requires compliance with Teacher Education and Teacher Certification Requirements for eligibility to enroll in Professional Education courses; admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification.

This program also requires the following for eligibility to enroll in Professional Education courses

admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification. All GPA requirements include both Missouri State and transfer grades.

a. at least a 2.75 GPA on all course work attempted at all colleges attended.
b. at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under major requirements.
c. at least a 3.00 GPA in any additional certificate subject area.
d. at least a 3.00 GPA in the professional education courses which includes all courses in number 1 and 2 above; and no grade lower than a "C" in all professional education courses.

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Theatre (Non-Comprehensive) (BA)

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.

Major requirements

Note: Courses counted for the major may not also be counted for the Bachelor of Arts-Fine Arts requirement.

Theatre and Performance Foundations (6 hours):

- THE 109 - Performance Studies
- THE 130 - Introduction to Script Analysis

Performance (8 hours):

- THE 125 - Voice and Movement for the Stage
- THE 222 - Acting Fundamentals
- THE 323 - Devised Theatre Performance

Theatre History (6 hours):

- THE 541 - Theatre History I
- THE 542 - Theatre History II

Design/Technology/Stage Management (6 hours):

- THE 250 - Stagecraft and Construction I **AND**
- THE 251 - Stagecraft and Construction Lab

- THE 255 - Stage Lighting Technology

- THE 260 - Costume Construction I **AND**
- THE 261 - Costume Construction Lab

- THE 354 - Stage Management

Directing

- THE 430 - Directing I

Public Affairs Capstone Experience

- THE 515 - Theatre for Social Change

Culminating Undergraduate Theatre Project (1 hour):

- THE 482 - Senior Project in Theatre

Practicum Requirement (6 hours):

Each candidate will choose a combination of two from the following (with the option to repeat).

Three hours of performance in a MSU mainstage project to be approved by major advisor:

- THE 495 - Theatre Practicum
  OR
- DAN 520 - Practicum

Three hours as dramaturg, assistant director, or other leadership position in a MSU mainstage project to be approved by major advisor:

- THE 495 - Theatre Practicum
  OR
- DAN 520 - Practicum

Three hours as a crew member in a MSU sponsored mainstage project to be approved by major advisor:

- THE 495 - Theatre Practicum
  OR
- DAN 520 - Practicum

Elective (9 hours):

additional 9 hours from advisor approved THE and/or DAN courses.

Minor required (or second major).

Total Credit Hours: 48

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Theatre (Non-Comprehensive) (BS)

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.

Major requirements

Theatre and Performance Foundations (6 hours):

- THE 109 - Performance Studies
- THE 130 - Introduction to Script Analysis

Performance (8 hours):

- THE 125 - Voice and Movement for the Stage
- THE 222 - Acting Fundamentals
- THE 323 - Devised Theatre Performance

Theatre History (6 hours):

- THE 541 - Theatre History I
- THE 542 - Theatre History II

Design/Technology/Stage Management (6 hours):

- THE 250 - Stagecraft and Construction I **AND**
- THE 251 - Stagecraft and Construction Lab

- THE 255 - Stage Lighting Technology

- THE 260 - Costume Construction I **AND**
- THE 261 - Costume Construction Lab

- THE 354 - Stage Management

Directing

- THE 430 - Directing I

Public Affairs Capstone Experience

- THE 515 - Theatre for Social Change

Culminating Undergraduate Theatre Project (1 hour):

- THE 482 - Senior Project in Theatre

Practicum Requirement (6 hours):

Each candidate will choose a combination of two from the following (with the option to repeat).

Three hours of performance in a MSU mainstage project to be approved by major advisor:

- THE 495 - Theatre Practicum
  OR
- DAN 520 - Practicum

Three hours as dramaturg, assistant director, or other leadership position in a MSU mainstage project to be approved by major advisor:

- THE 495 - Theatre Practicum
  OR
- DAN 520 - Practicum

Three hours as a crew member in a MSU sponsored mainstage project to be approved by major advisor:

- THE 495 - Theatre Practicum
  OR
- DAN 520 - Practicum

Elective (9 hours):

additional 9 hours from advisor approved THE and/or DAN courses.

Minor required (or second major).

Total Credit Hours: 48

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Theatre and Dance (BFA)

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.

Major requirements

Major core (31-32):

Design/Technology (6 hours) Two groups from:

- THE 250 - Stagecraft and Construction I **AND**
- THE 251 - Stagecraft and Construction Lab

OR

- THE 255 - Stage Lighting Technology

- THE 260 - Costume Construction I **AND**
- THE 261 - Costume Construction Lab

Staging Composition (6 hours) Directing or Choreography:

Directing:

- THE 130 - Introduction to Script Analysis
- THE 430 - Directing I

Choreography:

- DAN 220 - Dance Composition I: Improvisation
- DAN 420 - Dance Composition II: Choreographic Tools

History (6 hours):

- THE 541 - Theatre History I

- THE 542 - Theatre History II
  OR
- DAN 552 - Dance History Seminar

Performance Techniques (3 hours) from

- THE 121 - Acting Studio I *
- THE 222 - Acting Fundamentals
- DAN 216 - Elementary Contemporary
- DAN 225 - Elementary Tap
- DAN 230 - Elementary Ballet
- DAN 245 - Elementary Jazz

Note:

*THE 121 is open to admitted BFA in Theatre and Dance/Acting and Musical Theatre majors only.

Practicum (9 hours):

Repeat THE 495 or DAN 520 three times for a total of nine hours. See each option for specifics pertaining to this requirement.

Senior BFA Project (1-2 hours):

- THE 513 - Acting Senior Project required for Acting option
- THE 492 - Senior BFA Project required for Design/Technology/Stage Management option

- DAN 492 - Senior BFA Review required for Dance option

Complete one of the following options:

Acting option (47 hours):

- THE 122 - The Tools of the Actor
- THE 221 - Acting Studio II
- THE 226 - Intermediate Voice and Movement
- THE 228 - Singing for the Actor
- THE 321 - Acting Studio III
- THE 327 - Advanced Movement for the Actor
- THE 328 - Combat and Violence for Stage and Screen
- THE 421 - Acting Studio IV
- THE 424 - Dialects
- THE 451 - Auditions
- THE 489 - Advanced Actor Seminar
- THE 511 - Structures and Styles Shakespeare
- THE 522 - Auditioning and Acting for the Camera
- THE 524 - Acting on Film

Three hours from:

- THE 510 - Solo Performance
- THE 530 - Directing II
- THE 543 - Development of Modern Theatre
  OR
- THE 545 - Contemporary Theatre

Three hours from approved performance related electives

from Dance, Music, or Theatre courses.

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.

Public Affairs Capstone Experience will be fulfilled by completion of:

- THE 489 - Advanced Actor Seminar
- THE 513 - Acting Senior Project

Each candidate will complete five elective hours

from approved courses inside or outside the department.

Practicum (required in the major core): Each candidate will complete the following:

1. Three hours of acting performance in a MSU mainstage project to be approved by major advisor: THE 495 - Theatre Practicum.
2. Three hours of acting performance in a MSU mainstage project or a non-mainstage MSU faculty supervised initiative to be approved by major advisor: THE 495 - Theatre Practicum or DAN 520 - Practicum.
3. Three hours as a crew member in a MSU sponsored mainstage project to be approved by major advisor: THE 495 - Theatre Practicum or DAN 520.

Dance option (47 hours):

Dance Technique (24 hours):

Six hours in each category. Must achieve the 300 level in two categories in order to graduate.

Contemporary:

- DAN 216 - Elementary Contemporary
- DAN 316 - Intermediate Contemporary
- DAN 416 - Advanced Contemporary

Tap:

- DAN 225 - Elementary Tap
- DAN 325 - Tap Dance III
- DAN 425 - Advanced Tap

Ballet:

- DAN 230 - Elementary Ballet
- DAN 330 - Intermediate Ballet
- DAN 430 - Advanced Ballet

Jazz:

- DAN 245 - Elementary Jazz
- DAN 345 - Intermediate Jazz
- DAN 445 - Advanced Jazz

Partnering Techniques (6 hours):

- DAN 319 - Contact Improvisation
- DAN 348 - Partnering

Additional Choreography (5 hours):

- DAN 372 - Music Resources for Dancers
- DAN 520 - Practicum

Dance Theory (6 hours):

- DAN 364 - Applied Kinesiology for the Dancer
- DAN 565 - Dance Pedagogy

Electives (5 hours):

Five hours from THE/DAN approved by advisor.

Introduction to the Profession (1 hour):

- DAN 240 - First-Year Seminar: Introduction to the Profession

Public Affairs Capstone Experience will be fulfilled by completion of:

- DAN 565 - Dance Pedagogy

Practicum (required in the major core): Each candidate will complete the following:

1. Three hours of performance in a MSU mainstage project to be approved by major advisor: THE 495 - Theatre Practicum or DAN 520 - Practicum.
2. Three hours of choreography in a MSU mainstage project to be approved by major advisor: THE 495 - Theatre Practicum or DAN 520 - Practicum.
3. Three hours as a crew member in a MSU sponsored mainstage project to be approved by major advisor: THE 495 - Theatre Practicum or DAN 520.

Dance majors

are strongly encouraged to take DAN 180 and one course from the following: MUS 241 (fulfills a General Education requirement), MUS 345 or MUS 346.

Design/Technology/Stage Management option (47 hours):

Design/Technology core course sequence (3 hours) not selected in major core from:

- THE 250 - Stagecraft and Construction I **AND**
- THE 251 - Stagecraft and Construction Lab

- THE 260 - Costume Construction I **AND**
- THE 261 - Costume Construction Lab

Design/Technology Specialties and BFA Reviews (33 hours):

- THE 275 - Drafting for the Stage
- THE 280 - Design Seminar Design Principles
- THE 292 - BFA Review
- THE 354 - Stage Management

- THE 224 - Stage Makeup I
- THE 392 - BFA Review
- THE 453 - Design Seminar: Lighting Design
- THE 455 - Design Seminar: Lighting Design
- THE 461 - Design Seminar-Costume Design
- THE 558 - Sound Design for the Theatre
- THE 561 - History of Costume and Decor I
- THE 562 - History of Costume and Decor II

11 hours from:

- THE 324 - Stage Makeup II
- THE 350 - Stagecraft and Construction II
- THE 454 - Scene Painting
- THE 460 - Costume Construction II
- THE 530 - Directing II
- THE 552 - Scene Design II
- THE 555 - Lighting Design II
- THE 565 - Costume Design II
- COM 205 - Interpersonal Communication Theory and Skills
  OR
- COM 332 - Small Group Communication

Practicum (required in the major core): Each candidate will complete the following:

1. Three hours of a design/production assignment in a MSU mainstage project to be approved by major advisor: THE 495 - Theatre Practicum or DAN 520 - Practicum.
2. Three hours of a design/production assignment in a MSU mainstage project to be approved by major advisor: THE 495 - Theatre Practicum or DAN 520.
3. Three hours as a crew member in a MSU sponsored mainstage project to be approved by major advisor: THE 495 - Theatre Practicum or DAN 520 - Practicum.

Public Affairs Capstone Experience will be fulfilled by completion of:

- THE 492 - Senior BFA Project
- THE 495 - Theatre Practicum

Total Credit Hours: 78-79

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements

Visual Art and Culture (Non-Comprehensive) (BA)

Major requirements

Major core (18 hours):

Art History core (9 hours):

- ART 272 - History of Western Art II
- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
- ART 271 - History of Western Art I
  OR
- ART 274 - Survey of Asian Art

Studio Art core (6 hours):

One foundation course from:

- ART 100 - 2D Design
- ART 101 - Three-Dimensional Design
- ART 110 - Introduction to New Media
- ART 115 - Drawing I

Any studio art course (3 hours)

Art and Theory course (3 hours):

- ART 492 - Art and Theory

Public Affairs Capstone Experience will be fulfilled by completion of:

- ART 492 - Art and Theory

Minor required (or second major).

Complete one of the following options:

Art History and Visual Culture option (21 hours):

Core course (3 hours):

In addition to the Art History Core courses, complete three additional hours in art history from:

- ART 271 - History of Western Art I
- ART 274 - Survey of Asian Art

Art History (18 hours):

In consultation with advisor, complete 18 hours in at least five of the following areas of art history:

Area 1:

- ART 471 - Islamic Art
- ART 472 - Medieval Art

Area II:

- ART 475 - Art of the Renaissance
- ART 478 - Baroque Art

Area III:

- ART 480 - Modern Art

Area IV:

- ART 377 - History of Graphic and Applied Design
- ART 387 - History of Photography
- ART 483 - Modern Architecture and Urban Forms

Area V:

- ART 485 - Art of Mesoamerica
- ART 487 - Art of the Americas

Area VI:

- ART 486 - Art of Africa

Area VII:

- ART 388 - The Museum: History and Perspectives
- ART 488 - Basic Conservation of Art and Artifacts

Area VIII:

- ART 476 - Women and Art
- ART 484 - Contemporary Art

Note:
*With advisor's approval, ART 496 - Selected Topics in Art History, may substitute for a course in one of the areas. *ART 388/MST 388 and ART 488/MST 488 may not be double-counted between an Art History and Visual Cultural option or Art History minor and a Museum Studies option, minor and/or certificate. In the event that a student is doing both the Art History and Visual Culture option and the Museum Studies option, both the Museum Studies option and the Art History minor, both the Art History minor and the Museum Studies minor, and/or certificate, or both the Art History and Visual Culture option and the Museum Studies minor, these two courses will count only for the Museum Studies option, minor, and/or certificate.*

Museum Studies option (22-24 hours):

Museum Studies core courses (9 hours):

- MST 388 - The Museum: History and Perspectives *
- MST 488 - Basic Conservation of Art and Artifacts *
- 3 hours of MST 495 - Museum Studies Internship

Three courses from following, in consultation with advisor (7-9 hours):

- MST 350 - Citizenship and Service-Learning in Museum Studies
- MST 380 - Museum Collections Management
- MST 381 - Museum Exhibits
- MST 382 - Museum Programs

- MST 496 - Selected Topics in Museum Studies

Art History (6 hours) in at least two of the following areas:

Area I:

- ART 471 - Islamic Art
- ART 472 - Medieval Art
- ART 475 - Art of the Renaissance
- ART 478 - Baroque Art

Area II:

- ART 377 - History of Graphic and Applied Design
- ART 387 - History of Photography
- ART 476 - Women and Art
- ART 480 - Modern Art
- ART 483 - Modern Architecture and Urban Forms
- ART 484 - Contemporary Art

Area III:

- ART 485 - Art of Mesoamerica
- ART 486 - Art of Africa
- ART 487 - Art of the Americas

Note:
*With advisor's approval, ART 496 - Selected Topics in Art History, may substitute for a course in one of the areas. *ART 388/MST 388 and ART 488/MST 488 may not be double-counted between an Art History and Visual Cultural option or Art History minor and a Museum Studies option, minor and/or certificate. In the event that a student is doing both the Art History and Visual Culture option and the Museum Studies option, both the Museum Studies option and the Art History minor, both the Art History minor and the Museum Studies minor, and/or certificate, or both the Art History and Visual Culture option and the Museum Studies minor, these two courses will count only for the Museum Studies option, minor, and/or certificate.*

Studio Art option (21 hours):

Foundations (9 hours):

In addition to the Studio Art Core courses, complete nine additional hours from:

- ART 100 - 2D Design
- ART 101 - Three-Dimensional Design
- ART 110 - Introduction to New Media
- ART 115 - Drawing I

Studio Emphasis (9 hours):

In addition to the Studio Art Core courses, complete nine additional hours, chosen with approval of advisor, in one of the following studio areas: ceramics, digital arts, drawing, metals/jewelry, painting, photography, printmaking, or sculpture.

Art and Design electives (3 hours):

In addition to the core courses, complete three additional hours, chosen with approval of advisor, in art history, design, or studio art. ART 200 cannot be used to satisfy this requirement.

Total Credit Hours: 39-42

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Requirements
3. Bachelor of Arts Degree Requirements

Minors

African and African American Studies Minor

Major Degree Type

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

Administration of the minor

Courses must be approved by the faculty of the African and African American Studies Committee for inclusion in the minor. It is recommended that AAS 100 be taken prior to all other courses in the minor. A student cannot take more than six hours in a particular course code, except for the AAS course code, to complete the minor (i.e., AAS is the only course code in which a student may take more than six hours.) 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.

Requirements

- AAS 100 - Introduction to African American Studies

15 hours from the following areas with at least three hours from each area:

Historical Foundations:

- AAS 331 - African American History I
  OR
- HST 331 - African American History I

- AAS 332 - African American History II
  OR
- HST 332 - African American History II

- AAS 338 - Sources and Methods in African History
  OR
- HST 338 - Sources and Methods in African History

- AAS 345 - Enslavement in the Atlantic World
  OR
- HST 345 - Enslavement in the Atlantic World

Pan-African Background and Perspectives:

- AAS 323 - Women in Africa
  OR
- HST 323 - Women in Africa

- AAS 330 - Peoples and Cultures *
  OR
- ANT 330 - Peoples and Cultures *

- AAS 333 - Peoples and Cultures of Africa
  OR
- ANT 332 - Peoples and Cultures of Africa

- AAS 335 - African Civilization
  OR
- HST 335 - African Civilization

- AAS 339 - Africa and the Wider World
  OR
- HST 339 - Africa and the Wider World

- AAS 363 - Introduction to African Literature
  OR
- ENG 363 - Introduction to African Literature

- AAS 490 - Field Experience in Anthropology *
  OR
- ANT 490 - Field Experience in Anthropology *

- AAS 550 - Modern African Politics
  OR
- PLS 550 - Modern African Politics

Arts and Humanities:

- AAS 355 - African American Literature
  OR

- ENG 355 - African American Literature

- AAS 455 - African American Drama
  OR
- ENG 455 - African American Drama

- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
- ART 486 - Art of Africa
- ART 488 - Basic Conservation of Art and Artifacts *
- ART 495 - Internship in Art History *
- ENG 554 - Topics in Ethnic American Literature *
- MST 488 - Basic Conservation of Art and Artifacts *
- MST 495 - Museum Studies Internship *

Politics and Society:

- AAS 312 - Anthropology of Gender *
  OR
- ANT 312 - Anthropology of Gender *

- AAS 334 - Conflict and Peace Building in Africa
  OR
- HST 334 - Conflict and Peace Building in Africa

- AAS 336 - Race and Ethnicity
  OR
- SOC 336 - Race and Ethnicity

- AAS 346 - African American Religious Experience
  OR
- REL 345 - African American Religious Experience

- AAS 531 - African American Leaders and Movements
  OR
- HST 531 - African American Leaders and Movements

- AAS 532 - History of Ancient Egypt
  OR
- HST 532 - History of Ancient Egypt

- CRM 415 - Difference and Diversity in Criminology
- SWK 219 - Human Diversity

Attain a minimum GPA of 2.50 in all courses counted toward the minor.

Note:

With the administrator's permission, a student may use AAS 397, AAS 497, and REL 397 to satisfy any of the above requirements except for the AAS 100 requirements.

*when applicable

Anthropology Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education (Non-Certifiable)
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

Minor Requirements

Complete 18 hours in Anthropology including at least 12 hours of coursework numbered 300 or higher.

Archaeology Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education (Non-Certifiable)
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

Minor Requirements

Required Core:

- ANT 305 - Introduction to Archaeology
- ANT 351 - Field Archaeology

- ANT 545 - Cultural Resource Management
  OR
- ANT 550 - Advanced Methods in Archaeology

Nine Additional Hours From the Following:

Including at least 3 hours of anthropology. The Archaeology minor advisor may approve substitution of relevant coursework not listed here.

- ANT 340 - Archaeology of Complex Societies
- ANT 342 - Hunters and Gatherers
- ANT 345 - Historical Archaeology
- ANT 347 - Archaeology of the Southwest
- ANT 351 - Field Archaeology *
- ANT 355 - Environmental Archaeology
- ANT 360 - North American Archaeology
- ANT 505 - Ethnohistory
- ANT 545 - Cultural Resource Management *
- ANT 550 - Advanced Methods in Archaeology *
- ANT 555 - Archaeological Theory
- ANT 397 - Special Topics **
- ANT 499 - Internship in Anthropology **
- ANT 598 - Seminar in Anthropology **
- GEO 200 - Exploring Our Digital Earth
- GEO 360 - Interpretation of Aerial Photography
- GEO 363 - Introduction to Geographic Information Science
- GEO 551 - Remote Sensing
- GEO 569 - Landscape Analysis
- GEO 572 - Introduction to Photogrammetry and LiDAR Technology
- GEO 575 - GPS Surveying and Mapping
- GLG 110 - Principles of Geology
- GLG 114 - Earth: The Survival Guide
- GLG 116 - Earth: The Hands-on Adventure
- GLG 314 - Historical Geology
- GLG 412 - Field Geology of the Midcontinent Region
- GLG 590 - Applied Geophysics
- GRY 348 - Geomorphology
- HST 569 - The Material Worlds of Antiquity: Archaeology and Ancient History
- HST 574 - Jordan Archaeology Education Abroad
- REL 570 - Archaeology and the Bible

Note:

*ANT 351 is a variable content course repeatable for credit towards the minor if the content differs. ANT 545 and ANT 550 are not repeatable for credit towards the minor.

**When applicable, as determined by the Archaeology minor advisor.

Program Restrictions

1. Students may not declare or earn both a minor in Archaeology and a certificate in Archaeology.
2. No more than six hours may be counted towards requirements for both the Archaeology minor and an Anthropology BA and BS major.

Art History Minor

Major Degree Type

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science

Minor Requirements BA, BFA, BS

- ART 271 - History of Western Art I
  OR
- ART 272 - History of Western Art II
- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
  OR
- ART 274 - Survey of Asian Art

Additional 12 hours in art history

(should be chosen with advisement by an art history faculty member) to total at least 18 hours.* May not use both ART 480 and ART 484 to fulfill the 12 hours of electives. ART 200 cannot be used to satisfy this requirement.

Major Degree Type

Bachelor of Science in Education (Non-Certifiable)

Minor Requirements BSED

- ART 271 - History of Western Art I
- ART 272 - History of Western Art II
- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
- ART 274 - Survey of Asian Art

Additional nine hours in art history

(should be chosen with advisement by an art history faculty member) to total at least 21 hours.* May not use both ART 480 and ART 484 to fulfill the nine hours of electives. ART 200 cannot be used to satisfy this requirement.

Note:

**ART 388/MST 388 and ART 488/MST 488 may not be double-counted between an Art History minor or an Art History and Visual Cultural BA option and a Museum Studies BA option, a Museum Studies minor and/or a Museum Studies certificate. In the event that a student is doing both the Museum Studies BA option and the Art History minor, or both the Art History minor and the Museum Studies minor, and/or certificate, these two courses will count only for the Museum Studies BA option, minor, and/or certificate.*

Art Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- ART 100 - 2D Design
- ART 101 - Three-Dimensional Design
- ART 115 - Drawing I

Additional nine hours in art and/or design

(should be chosen with advisement) to total at least 18 hours in the minor. ART 200 cannot be used to satisfy this requirement.

Asian Studies Minor

Major Degree Type

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

Requirements

Six hours of an Asian language. The University currently offers:

Chinese

- CHI 101 - Elementary Chinese I
- CHI 102 - Elementary Chinese II
- CHI 201 - Intermediate Chinese I
- CHI 202 - Intermediate Chinese II

Hindi

- HIN 101 - Elementary Hindi I
- HIN 102 - Elementary Hindi II

Japanese

- JPN 101 - Elementary Japanese I
- JPN 102 - Elementary Japanese II
- JPN 201 - Intermediate Japanese I
- JPN 202 - Intermediate Japanese II

Korean

- KOR 101 - Elementary Korean I
- KOR 102 - Elementary Korean II
- KOR 201 - Intermediate Korean I
- KOR 202 - Intermediate Korean II

12 hours from the following four areas:

No more than six hours from any one area.

Area 1:

- HST 380 - Premodern East Asia
- HST 381 - Modern East Asia
- HST 571 - China in the Twentieth Century
- HST 572 - Gender and Sexuality in Modern East Asia

Area 2:

- PHI 314 - Asian Philosophy
- REL 355 - Buddhism
- REL 357 - Religions of China and Japan
- REL 358 - Yoga and Meditation
- REL 360 - Hinduism

Area 3:

- ART 274 - Survey of Asian Art
- ENG 362 - Non-European World Literature *
- LLT 215 - Asian Cultural Studies
- MED 300 - Special Topics in Media *
- MED 470 - Special Topics in Film *

Area 4:

- ANT 334 - Peoples and Cultures of Japan
- PLS 545 - Asian Politics

Note:

*when applicable

Chinese Minor

Major Degree Type

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

Minor Requirements

18 hours in Chinese beyond CHI 101 and CHI 102. Six hours from the following may also count toward this minor:

- ART 274 - Survey of Asian Art
- HST 380 - Premodern East Asia
- HST 381 - Modern East Asia
- LLT 215 - Asian Cultural Studies
  OR
- PLS 545 - Asian Politics

Classics-Classical Humanities Concentration Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

15 hours from:

- HST 343 - Ancient Rome
- HST 597 - Topics in History *
- LLT 121 - Classical Mythology
- LLT 240 - Epics from Classical Antiquity
- LLT 321 - Comparative Mythology
- LLT 325 - Greek Civilization
- LLT 326 - Roman Civilization

- LTN or GRK above 102
- PHI 306 - History of Western Philosophy: Ancient

Note:

**when applicable*

Classics-Concentration in Ancient Greek Minor

Major Degree Type

Bachelor of Arts

Minor Requirements

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.

Classics-Latin Concentration Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science
Bachelor of Science in Nursing
Bachelor of Social Work

Minor Requirements

In consultation with advisor, complete 18 hours in Latin beyond courses 101 and 102.

Communication Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- COM 209 - Survey of Communication Theory

12 hours of COM elective courses

(six hours of which must be chosen from courses numbered 300 or higher) to bring total to at least 15 hours. COM 115 or transfer equivalent cannot be used to satisfy the 12 hours of COM electives in this minor.

Note:

Students majoring in Communication Studies cannot complete a minor administered within the Department of Communication, Media, Journalism and Film.

Courses counted toward this minor cannot be counted toward a major in Public Relations.

Although a minor is not required for the Speech and Theatre Education major, students may select the Ethical Leadership minor in the Department of Communication, Media, Journalism and Film as an optional minor.

Creative Writing Minor

Major Degree Type

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science

Minor Requirements

Two courses from:

- ENG 203 - Creative Writing: Poetry
- ENG 205 - Creative Writing: Nonfiction
- ENG 215 - Creative Writing: Short Story
- ENG 216 - Introduction to the Graphic Novel
- ENG 225 - Creative Writing: Playwriting

One course from:

- ENG 303 - Creative Writing: Poetry II
- ENG 305 - Creative Writing: Nonfiction II
- ENG 315 - Creative Writing: Fiction II
- ENG 325 - Creative Writing Playwriting II

One course from:

- ENG 500 - Advanced Writing: Nonfiction
- ENG 501 - Advanced Writing: Fiction
- ENG 503 - Advanced Writing: Poetry
- ENG 506 - Advanced Writing: Drama

One course from:

- ENG 551 - Literary Publication
- ENG 562 - Contemporary American Poetry/Fiction

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 110, ENG 210 and ENG 221, English courses counted toward the major or minor can also be counted toward the General Education requirements.

Criminology Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Social Work

Minor Requirements

- CRM 210 - Introduction to the American Criminal Justice System
- CRM 220 - Criminology

12 Additional Hours in Criminology Courses.

Dance Minor

Major Degree Type

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

Minor Requirements

- DAN 180 - Dance Appreciation

Nine Hours From:

- DAN 216 - Elementary Contemporary
- DAN 316 - Intermediate Contemporary
- DAN 416 - Advanced Contemporary
- DAN 225 - Elementary Tap
- DAN 325 - Tap Dance III
- DAN 425 - Advanced Tap
- DAN 230 - Elementary Ballet
- DAN 330 - Intermediate Ballet
- DAN 430 - Advanced Ballet
- DAN 245 - Elementary Jazz
- DAN 345 - Intermediate Jazz
- DAN 445 - Advanced Jazz

Six hours From:

Repeatable courses in this category can only count toward the minor once.

- DAN 220 - Dance Composition I: Improvisation
- DAN 240 - First-Year Seminar: Introduction to the Profession
- DAN 319 - Contact Improvisation
- DAN 323 - Musical Theatre Dance Styles
- DAN 348 - Partnering
- DAN 350 - Research Methods for Dance
- DAN 364 - Applied Kinesiology for the Dancer
- DAN 372 - Music Resources for Dancers
- DAN 420 - Dance Composition II: Choreographic Tools
- DAN 520 - Practicum
- DAN 552 - Dance History Seminar
- DAN 565 - Dance Pedagogy
- DAN 592 - Musical Theatre Repertory

Design Minor

Major Degree Type

Bachelor of Science

Minor Requirements

- ART 100 - 2D Design

- ART 101 - Three-Dimensional Design
- ART 110 - Introduction to New Media
- ART 115 - Drawing I
- ART 202 - Color Theory
- DES 210 - Introduction to Computer Graphic Design
- DES 300 - Graphics for the Non-Design Major

Disability Studies Minor

Major Degree Type

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

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, ENG 330, HST 397 or HST 597, or REL 397.

Minor Requirements

- DAS 100 - Introduction to Disability Studies

15 hours from the following areas:

with at least three hours from three of the four areas with no more than six hours from each discipline (course code):

Arts and Letters:

- ART 366 - Multicultural Art Education and Diversity in Elementary Schools
- ART 401 - Teaching of Artistic Practices with Classroom Management and Assessment in Art Education
- COM 360 - Intercultural Communication Theory and Research

- COM 407 - Health Communication and Culture
- ENG 287 - Life Stages in Literature *
- ENG 289 - Literature, Culture, and Social Justice *
- ENG 563 - Literature and Medicine
- THE 506 - Creative Dramatics
- THE 515 - Theatre for Social Change

Humanities and Public Affairs:

- ANT 365 - Human Variation
- DAS 397 - Topics in Disability Studies
- DAS 497 - Directed Readings
- SOC 420 - Social Inequality

Health and Human Services; and Natural and Applied Sciences:

- CSD 380 - Development, Diversity, and Deafness
- KIN 130 - Adapted Physical Activity
- KIN 468 - Adapted Physical Education
- PLN 505 - Social Planning
- PSY 309 - Identity and Aging in Literature and Film
- SPE 311 - Introduction to American Sign Language (ASL)
- SPE 312 - American Sign Language (ASL) II
- SPR 200 - Inclusion and Diversity in Sport and Recreation Administration
- SWK 219 - Human Diversity

Business and Education:

- BUS 307 - Business in the Community
- CFD 305 - Multicultural Studies in Child and Family Development
- CFD 353 - Childhood Illnesses, Injuries, Diseases and Disorders
- EDC 345 - Introduction to Multicultural Education and Diversity
- LTC 560 - Diversity Issues in Literacy and Content Area Instruction
- SPE 507 - Services and Diversity in Blindness and Low Vision and Additional Disabilities
- SPE 560 - Working with Families of Exceptional Individuals

Note:

*when applicable

Attain a minimum GPA of 2.50 in all courses counted toward the minor.

Diversity Studies Minor

Major Degree Type

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

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.

Minor Requirements

Introduction to Diversity:

- ANT 100 - World Cultures
  OR
- EDC 345 - Introduction to Multicultural Education and Diversity
  OR
- SWK 219 - Human Diversity

Three courses from the following six content areas:

with three different course codes to total nine hours:

Race and Ethnicity:

- AAS 100 - Introduction to African American Studies
- ANT 365 - Human Variation
- SOC 336 - Race and Ethnicity

Culture:

- ANT 303 - Cultural Anthropology
- GBL 250 - Introduction to Global Studies and Globalization
- SOC 150 - Introduction to Society

Gender and Sexuality:

- GST 170 - Sex, Gender, and Self

- PSY 307 - Human Sexuality
- SOC 337 - Sociology of Gender

Religion:

- REL 100 - Introduction to Religion
- REL 110 - World Religions
- REL 131 - Religion in America
- REL 390 - Religion in Society
  OR
- SOC 390 - Religion in Society

Communication:

- ANT 306 - Linguistic Anthropology
- COM 260 - Communicating with Cultural Competence

Aging and Disability:

- DAS 100 - Introduction to Disability Studies
- GER 375 - Social Forces and Aging
- PSY 304 - Abnormal Psychology
- SOC 375 - Social Forces and Aging

Six additional hours from:

Race and Ethnicity:

- CRM 415 - Difference and Diversity in Criminology
- ENG 354 - Ethnic American Literature
- ENG 355 - African American Literature
- HST 331 - African American History I
- HST 332 - African American History II

Culture:

- ANT 325 - North American Indian Cultures
- ANT 327 - North American Indians Today
- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
- CFD 305 - Multicultural Studies in Child and Family Development
- DTN 332 - Food and Culture
- ECO 346 - International Economic Development
- ECO 456 - Comparative Economic Systems
- ENG 362 - Non-European World Literature
- MGT 447 - International Management
- MKT 474 - International Marketing
- PSY 411 - Psychology of Diversity

- SOC 420 - Social Inequality

Gender and Sexuality:

- ENG 282 - Literature by Women
- ENG 580 - Gender Issues in Language and Literature
- GST 315 - The Economics of Gender
- KIN 405 - Gender and Sport
- PHI 319 - Feminist Philosophy
- PLS 319 - Women in Politics

Religion:

- REL 315 - Native American Religions
- REL 345 - African American Religious Experience
- REL 370 - Women and Religion

Communication:

- COM 307 - Gender and Communication
- COM 390 - Communication and Aging
- COM 412 - Communication and Diversity in the Workplace
- ENG 494 - Dialects of American English
- ENG 592 - Sociolinguistics for Language Teaching

Aging and Disability:

- BMS 260 - Biology of Aging
- GER 470 - Community Resources for Older Adults
  OR
- SWK 470 - Community Resources for Older Adults
- GER 354 - Gender and Sexuality in Later Life
  OR
- PSY 354 - Gender and Sexuality in Later Life
- GER 480 - Policies and Older Adults

English for Speakers of Other Languages (ESOL) Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- ENG 296 - Introduction to Linguistics

OR

- ENG 591 - Linguistic Theory
  OR
- ANT 306 - Linguistic Anthropology
- ENG 505 - Methods in Teaching English to Speakers of Other Languages TESOL
- ENG 592 - Sociolinguistics for Language Teaching
- ENG 595 - Principles of Second Language Acquisition
- ENG 596 - Materials and Assessment in Teaching English to Speakers of Other Languages TESOL

- ENG 390 - Modern English Grammar
  OR
- ENG 590 - Grammatical Analysis

Total of not fewer than 18 hours in the minor.

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 110, ENG 210 and ENG 221, English courses counted toward the major or minor can also be counted toward the General Education requirements.

English Minor

Major Degree Type

Bachelor of Arts

Minor Requirements BA

- ENG 235 - Critical Approaches to Literature

15 hours of English electives, including three 500-level courses, for a total of not fewer than 18 hours in the minor.

Major Degree Type

Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science

Minor Requirements BFA, BMUS, BS

There is no required selection of courses for an English minor for these degrees. Students are advised to select from following and electives in English for a total of not fewer than 18 hours in the minor.

- ENG 235 - Critical Approaches to Literature
- ENG 340 - Survey of English Literature I
- ENG 341 - Survey of English Literature II
- ENG 350 - Survey of American Literature I
- ENG 351 - Survey of American Literature II

Major Degree Type BSED

Bachelor of Science in Education (Non-Certifiable)

Minor Requirements BSED

- ENG 351 - Survey of American Literature II
- ENG 390 - Modern English Grammar
- ENG 491 - History of the English Language
- ENG 338 - Literature for Young Adults
  OR
- ENG 536 - Young Adult Novel

Nine hours from:

- ENG 110 - Writing I
- ENG 203 - Creative Writing: Poetry
- ENG 210 - Writing II: Writing Across the Disciplines
- ENG 215 - Creative Writing: Short Story
- ENG 221 - Writing II: Writing for the Professions
- ENG 235 - Critical Approaches to Literature
- ENG 310 - Writing II: Writing for Graduate and Professional Schools
- ENG 520 - Composition and Rhetoric in High School and Junior College
- JRN 270 - Introduction to Journalism

One course from:

- ENG 340 - Survey of English Literature I
- ENG 341 - Survey of English Literature II
- ENG 360 - Survey of European Literature I
- ENG 361 - Survey of European Literature II
- ENG 362 - Non-European World Literature
- ENG 512 - The British Novel

One course from:

- ENG 205 - Creative Writing: Nonfiction
- ENG 350 - Survey of American Literature I
- ENG 517 - The American Novel

Total credit hours: 27

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 110, ENG 210 and ENG 221, English courses counted toward the major or minor can also be counted toward the General Education requirements.

Ethical Leadership Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

Minor Requirements

- COM 436 - Communication and Leadership
- COM 413 - Ethical Issues in Communication
- COM 360 - Intercultural Communication Theory and Research
  OR
- COM 412 - Communication and Diversity in the Workplace

One course from:

- COM 205 - Interpersonal Communication Theory and Skills
- COM 322 - Introduction to Argumentation
- COM 315 - Advanced Speaking in Professional Settings
- COM 326 - Effective Listening

Two courses from:

- COM 206 - Introduction to Health Communication
- COM 307 - Gender and Communication
- COM 332 - Small Group Communication
- COM 336 - Communication in Organizations
- COM 405 - Advanced Interpersonal Communication
- COM 406 - Family Communication
- COM 466 - Social Movement Communication
- COM 495 - Communication Internship
- GST 170 - Sex, Gender, and Self
- HST 324 - Women in American History
- PHI 302 - Environmental Ethics

- PHI 313 - Bioethics
- PHI 342 - Global Ethics
- PLS 319 - Women in Politics
- PSY 320 - Psychology and the Law
- PSY 379 - Environmental Psychology
- REL 370 - Women and Religion

No more than 6 hours may also count toward a major.

Note:

- Students majoring in Communication Studies cannot complete a minor administered within the Department of Communication, Media, Journalism and Film.
- Courses counted toward this minor cannot be counted toward a major in Public Relations.
- Although a minor is not required for the Speech and Theatre Education major, students may select the Ethical Leadership minor in the Department of Communication, Media, Journalism and Film as an optional minor.

Ethics and Social Policy Minor

Major Degree Type

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Social Work

Minor Requirements

- PHI 115 - Ethics and Contemporary Issues
- PHI 340 - Philosophy of Law
- PHI 345 - Theories of Ethics
- PHI 350 - Philosophy and Public Affairs

Two Courses From:

- PHI 302 - Environmental Ethics
- PHI 313 - Bioethics
- PHI 332 - Data Ethics
- PHI 342 - Global Ethics

Film Studies Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- MED 274 - Introduction to Film
- MED 570 - Film Theory

12 additional hours from:

- MED 300 - Special Topics in Media with advisor approval
- MED 374 - History of Film I
- MED 375 - History of Film II
- MED 470 - Special Topics in Film

Total Credit Hours: 18

Folklore Minor

Major Degree Type

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

Minor Requirements

- ENG 283 - Folklore and Cultural Engagement
- ENG 385 - Ozarks Traditions
- ENG 483 - Folklore and Literature
- ENG 485 - Study of American Folklore

One course from:

- ANT 320 - Ethnography
- ANT 511 - Ethnographic Field Methods
- ENG 583 - Themes in Folkloristics

Total of not fewer than 15 hours in the minor.

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 110, ENG 210 and ENG 221, English courses counted toward the major or minor can also be counted toward the General Education requirements.

French Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science
Bachelor of Science in Nursing
Bachelor of Social Work

Minor Requirements

In consultation with advisor, complete 18 hours in French beyond courses 101 and 102.

Major Degree Type

Bachelor of Science in Education (Non-Certifiable)

Minor Requirements BSED

In consultation with advisor, complete 18 hours in French beyond courses 101 and 102 with six of those hours being 300-level or higher.

Gender Studies Minor

Major Degree Type

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

Administration of the program

Courses must be approved by the faculty of the Gender Studies Committee for inclusion in the minor.

Minor Requirements

- GST 170 - Sex, Gender, and Self
  OR
- PSY 357 - Psychology of Gender
  OR
- SOC 337 - Sociology of Gender

15 hours from the following areas:

with at least three hours from each area and no more than six hours from each discipline (course code):

Arts and Letters:

- ART 476 - Women and Art
- COM 307 - Gender and Communication
- ENG 282 - Literature by Women
- ENG 580 - Gender Issues in Language and Literature

Humanities and Public Affairs:

- CRM 410 - Women in Criminal Justice
- ECO 315 - The Economics of Gender
  OR
- GST 315 - The Economics of Gender
- GST 400 - Gender in Global Community
- HST 323 - Women in Africa
- HST 324 - Women in American History
- PHI 319 - Feminist Philosophy
- PLS 319 - Women in Politics
- PLS 517 - Constitutional Law II: Liberties and Rights
- REL 370 - Women and Religion
- SOC 337 - Sociology of Gender

Health and Human Services:

- CTE 300 - Special Topics in Career and Technical Education
- GER 354 - Gender and Sexuality in Later Life
- KIN 402 - Women In Sport
- KIN 405 - Gender and Sport
- NUR 327 - Issues in Women's Health
- PSY 307 - Human Sexuality
- PSY 357 - Psychology of Gender

Attain a minimum GPA of 2.50 in all courses counted toward the minor.

German Minor

Major Degree Type

Bachelor of Arts

Minor Requirements BA

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.

Major Degree Type

Bachelor of Applied Science
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science
Bachelor of Science in Nursing
Bachelor of Social Work

Minor Requirements

In consultation with advisor, complete 18 hours in German beyond courses 101 and 102.

Major Degree Type

Bachelor of Science in Education (Non-Certifiable)

Minor Requirements BSED

In consultation with advisor, complete 18 hours in German beyond courses 101 and 102 with six of thosehours being 300-level or higher. Three hours of either LLT 225 or LLT 271 may be counted on this minor.

Gerontology Minor

Major Degree Type

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

Minor Requirements

- GER 375 - Social Forces and Aging
  OR
- SOC 375 - Social Forces and Aging

15 additional hours of Gerontology-related courses from:

- GER 300 - Service-Learning Curricular Component
- GER 309 - Identity and Aging in Literature and Film
  OR
- PSY 309 - Identity and Aging in Literature and Film
- GER 351 - Psychology of Adulthood and Aging
  OR
- PSY 350 - Psychology of Adulthood and Aging
- GER 354 - Gender and Sexuality in Later Life
  OR
- PSY 354 - Gender and Sexuality in Later Life
- GER 363 - Death and Human Behavior
  OR
- PSY 363 - Death and Human Behavior
- GER 366 - Families in Later Life
  OR
- PSY 366 - Families in Later Life
- GER 370 - Mental Health and Aging
  OR
- PSY 370 - Mental Health and Aging
- GER 396 - Directed Readings in Gerontology
- GER 397 - Special Topics in Gerontology
- GER 470 - Community Resources for Older Adults
- GER 480 - Policies and Older Adults
- GER 492 - Directed Research
- BMS 260 - Biology of Aging
- COM 390 - Communication and Aging
- **Other courses may be accepted as electives but must be approved by a Gerontology advisor.**

History Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science
Bachelor of Social Work

Minor Requirements BA, BS, BSW

- HST 103 - World History to Circa 1600 C.E.

OR

- HST 104 - World History since 1600 C.E.
- HST 121 - Survey of the History of the United States to 1877

OR

- HST 122 - Survey of the History of the United States since 1877

Three Hours of a Non-Western, Interregional, or Cross-Regional History Course From:

- HST 323 - Women in Africa
- HST 334 - Conflict and Peace Building in Africa
- HST 335 - African Civilization
- HST 338 - Sources and Methods in African History
- HST 339 - Africa and the Wider World
- HST 340 - Industrialization in Global Perspective
- HST 343 - Ancient Rome
- HST 345 - Enslavement in the Atlantic World
- HST 350 - Latin American Civilization
- HST 362 - Modern Latin American History: From Independence to Present
- HST 364 - History of Women in Latin America
- HST 369 - Ancient Civilizations of the Mediterranean and Middle East
- HST 370 - Religions, Cultures, and Empires of the Middle East and North Africa, 570 CE to 1798 CE
- HST 371 - The Making of the Modern Middle East, 1750 CE to 1923 CE
- HST 380 - Premodern East Asia
- HST 381 - Modern East Asia
- HST 382 - Asia Pacific War
- HST 383 - A Global History of the Inquisition, 1478-1834: The Holy Office in Europe, Asia, and the Americas
- HST 384 - History of Piracy in the Americas, 1492-1820
- HST 388 - The Second World War
- HST 395 - Spanish Conquest and Colonization in the Americas, 1492-1700
- HST 504 - Global Terrorism
- HST 514 - 17th-19th Century British Atlantic
- HST 529 - Plagues and Pandemics
- HST 532 - History of Ancient Egypt
- HST 541 - The Ancient Near East to 1200 BCE
- HST 542 - Ancient Israel
- HST 543 - Nationalism, Sectarianism, and Conflict in the Middle East
- HST 563 - History of Fascism
- HST 571 - China in the Twentieth Century
- HST 572 - Gender and Sexuality in Modern East Asia
- HST 574 - Jordan Archaeology Education Abroad
- HST 587 - Mexico from Colony to Nation
- HST 588 - Twentieth-Century Mexico

Nine Additional Hours in History to total a minimum of 18 hours in the minor.

Of the 18 hours counted toward the minor, at least nine hours must be in courses at the 300 level or higher.

Major Degree Type

Bachelor of Science in Education (Non-Certifiable)

Minor Requirements BSED

- HST 103 - World History to Circa 1600 C.E.
  OR
- HST 104 - World History since 1600 C.E.
- HST 121 - Survey of the History of the United States to 1877
  OR
- HST 122 - Survey of the History of the United States since 1877

One Survey Course in African, Asian, Latin American or Middle East Civilization:

- HST 323 - Women in Africa
- HST 335 - African Civilization
- HST 350 - Latin American Civilization
- HST 370 - Religions, Cultures, and Empires of the Middle East and North Africa, 570 CE to 1798 CE
- HST 371 - The Making of the Modern Middle East, 1750 CE to 1923 CE
- HST 380 - Premodern East Asia
- HST 381 - Modern East Asia

One Course in U.S. History:

- HST 313 - American Cultural History
- HST 314 - American Expansion and Empire
- HST 315 - Military History of the United States
- HST 324 - Women in American History
- HST 329 - The Automobile in American Life
- HST 331 - African American History I
- HST 332 - African American History II
- HST 340 - Industrialization in Global Perspective
- HST 345 - Enslavement in the Atlantic World
- HST 375 - The Ozarks in American History
- HST 509 - Indian History
- HST 510 - The Plains Indians
- HST 515 - American Environmental History
- HST 516 - American Religious History
- HST 517 - Legal and Constitutional History of the United States
- HST 518 - Colonial America
- HST 519 - The American Revolution
- HST 521 - Early American Republic
- HST 523 - Nineteenth Century America
- HST 524 - Civil War and Reconstruction
- HST 525 - Gilded Age/Progressive Era America, 1865-1920
- HST 528 - U.S. History Since 1945

- HST 531 - African American Leaders and Movements
- HST 536 - History of Missouri
- HST 537 - History of the American West
- HST 538 - History of the American South, 1607-Present

One Course in Ancient or European History:

- HST 340 - Industrialization in Global Perspective
- HST 343 - Ancient Rome
- HST 356 - Nazi Germany
- HST 360 - Britain and the World, 55 B.C.-1707
- HST 361 - Britain and World 1707-Present
- HST 369 - Ancient Civilizations of the Mediterranean and Middle East
- HST 541 - The Ancient Near East to 1200 BCE
- HST 542 - Ancient Israel
- HST 545 - Medieval Europe
- HST 548 - The Renaissance
- HST 549 - The Reformation
- HST 553 - History of Europe in the 19th Century, 1815-1918
- HST 559 - Germany, 1815-Present
- HST 562 - Communism in Eastern Europe, 1917-1990
- HST 563 - History of Fascism
- HST 564 - History of the Holocaust
- HST 566 - Victorian and Edwardian England

Three Hours of HST Elective at the 200 Level or Above.

Two of the Following:

- ANT 100 - World Cultures
- PLS 101 - American Democracy and Citizenship
- ECO 155 - Principles of Macroeconomics
- GRY 100 - World Regional Geography
- SOC 150 - Introduction to Society

Three Hours of Courses at the 200 Level or Above in one of the following areas: ANT, PLS, ECO, GRY, SOC.

International Relations Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- PLS 101 - American Democracy and Citizenship
- PLS 205 - Comparative Politics
- PLS 232 - International Relations
- PLS 320 - American Foreign Policy

Nine Hours From the Following to total at least 21 hours in the minor:

Two of these courses must be PLS courses.

- PLS 319 - Women in Politics
- PLS 333 - Model United Nations
- PLS 338 - Politics of Less Developed Countries
- PLS 343 - Post-Soviet Politics
- PLS 437 - International Organizations and Law
- PLS 439 - Playing Games with the World
- PLS 443 - Nationalisms and Islamisms of the Middle East
- PLS 544 - Government and Politics of the Middle East
- PLS 545 - Asian Politics
- PLS 546 - Political Violence and Terrorism
- PLS 547 - Politics of the European Union and Its Members
- PLS 548 - Latin American Politics
- PLS 550 - Modern African Politics
- PLS 555 - Public Policy for a Global Environment
- PLS 565 - Contemporary Political Ideologies
- PLS 569 - Foreign Policies of the Middle Eastern States
- ECO 565 - International Economics
- GRY 323 - World Political Geography
- GRY 507 - Geography of Subsaharan Africa

Note:

No more than nine hours taken for the BA or BS Political Science major can be counted toward the International Relations minor.

Japanese Minor

Major Degree Type

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

Minor Requirements

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 - Peoples and Cultures of Japan
- ART 274 - Survey of Asian Art
- LLT 215 - Asian Cultural Studies
- REL 357 - Religions of China and Japan

Journalism Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- JRN 270 - Introduction to Journalism

15 hours of elective JRN courses to bring total to at least 18 hours in the minor.

Korean Minor

Major Degree Type

Bachelor of Applies 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

Minor Requirements

Complete 18 hours in Korean beyond KOR 101 and KOR 102. Six hours from Education Abroad coursework and/or the following courses may also count toward this minor: ART 274, HST 380, HST 381, LLT 215, PLS 545, REL 357.

Latin American, Caribbean, and Hispanic Studies Minor

Major Degree Type

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

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 Education Abroad courses or individualized courses.

Minor Requirements

Complete six hours of a Latin American language:

Portuguese

- PTG 101 - Elementary Portuguese I
- PTG 102 - Elementary Portuguese II
- PTG 201 - Intermediate Portuguese I
- PTG 202 - Intermediate Portuguese II

Spanish

- SPN 101 - Elementary Spanish I
- SPN 102 - Elementary Spanish II
- SPN 103 - Elementary Spanish I and II
- SPN 201 - Intermediate Spanish I
- SPN 202 - Intermediate Spanish II
- SPN 203 - Intermediate Spanish I and II

Complete 12 hours from the following areas:

Must including at least three hours from at least two of the following areas, and no more than six hours from any one category.

Historical Studies:

- HST 350 - Latin American Civilization
- HST 395 - Spanish Conquest and Colonization in the Americas, 1492-1700
- HST 397 - Special Topics in History *
- HST 587 - Mexico from Colony to Nation
- HST 588 - Twentieth-Century Mexico

Geography and Politics:

- GRY 305 - Selected World Regions *
- PLS 338 - Politics of Less Developed Countries *
- PLS 548 - Latin American Politics

Art, Culture, Religion, and Society:

- ANT 330 - Peoples and Cultures *
- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
- ART 485 - Art of Mesoamerica
- ART 487 - Art of the Americas
- ART 488 - Basic Conservation of Art and Artifacts
  OR
- MST 488 - Basic Conservation of Art and Artifacts
- ART 496 - Selected Topics in Art History *
- REL 397 - Religious Studies Topics *
- SOC 336 - Race and Ethnicity

Language and Literature:

- ENG 354 - Ethnic American Literature *
- ENG 362 - Non-European World Literature *
- PTG 297 - Special Topics in Portuguese *
- SPN 297 - Special Topics in Spanish *
- SPN 314 - Hispanic Contemporary Issues
- SPN 320 - Hispanic Cinema
- SPN 325 - Civilization of Spain
- SPN 326 - Civilization of Spanish America
- SPN 415 - Business Spanish
- SPN 460 - Spanish American Literature

Note:

*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.

Linguistics Minor

Major Degree Type

Bachelor of Arts

This minor is an interdisciplinary program jointly offered by the Department of English and the Department of Sociology, Anthropology and Gerontology.

Minor Requirements BA

- ENG 296 - Introduction to Linguistics
  OR
- ANT 306 - Linguistic Anthropology

12 hours from:

Other courses may be substituted with approval of committee.

- ANT 380 - Language and Culture *
- CSD 209 - Basics of Linguistics for the Communication Sciences
- CSD 210 - Phonetics
- CSD 312 - Normal Language Acquisition
- ENG 390 - Modern English Grammar
- ENG 491 - History of the English Language
- ENG 494 - Dialects of American English
- ENG 590 - Grammatical Analysis
- ENG 592 - Sociolinguistics for Language Teaching
- ENG 593 - Studies in Linguistics *
- ENG 595 - Principles of Second Language Acquisition
- FRN 324 - Topics in Francophone Linguistics
- PSY 523 - Psychology and Language
- SPN 324 - Introduction to Spanish Linguistics
- SPN 524 - Advanced Topics in Hispanic Linguistics

Note:

*Variable content course; up to nine hours may be applied to the minor when the topic changes.

No more than 12 hours of the 15-hour minor may be taken from any one department.

No more than three hours of the minor may also count for a major requirement.

Major Degree Type

Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

This minor is an interdisciplinary program jointly offered by the College of Arts and Letters and Department of Sociology and Anthropology.

Minor Requirements BS, BSED

- ENG 296 - Introduction to Linguistics
  OR
- ANT 306 - Linguistic Anthropology

12 hours from:

Other courses may be substituted with approval of committee.

- ANT 380 - Language and Culture *
- CSD 209 - Basics of Linguistics for the Communication Sciences
- CSD 210 - Phonetics
- CSD 312 - Normal Language Acquisition
- ENG 390 - Modern English Grammar
- ENG 491 - History of the English Language
- ENG 494 - Dialects of American English
- ENG 590 - Grammatical Analysis
- ENG 592 - Sociolinguistics for Language Teaching
- ENG 593 - Studies in Linguistics *
- ENG 595 - Principles of Second Language Acquisition
- FRN 324 - Topics in Francophone Linguistics
- PSY 523 - Psychology and Language
- SPN 324 - Introduction to Spanish Linguistics
- SPN 524 - Advanced Topics in Hispanic Linguistics

Note:

*Variable content course; up to nine hours may be applied to the minor when the topic changes.

At least six hours of a foreign language (including American Sign Language).

A student may take three 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.

No more than three hours of the minor (except for foreign language) may also count for a major requirement.

Mass Media Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- MED 120 - Mass Media and Society
- MED 454 - Media Analysis and Criticism
- MED 304 - Media Effects
  OR
- COM 209 - Survey of Communication Theory

Nine hours of elective MED courses to bring total to at least 18 hours in the minor.

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.

Middle Eastern Studies Minor

Major Degree Type

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

Administration of the program

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 past and present Middle East and North Africa (the MENA Region). 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.

Courses not listed here (such as special topics courses related to the Middle East and North Africa) can be approved by the faculty of the Middle Eastern Studies Committee for inclusion in the minor. Minors in this program are encouraged, if possible, to also take courses equivalent to any of those listed below at universities abroad (particularly universities in the Middle East and North Africa). Approval must be given from the program director for such course substitutions.

Minor Requirements

Six hours from:

- HST 370 - Religions, Cultures, and Empires of the Middle East and North Africa, 570 CE to 1798 CE
- HST 371 - The Making of the Modern Middle East, 1750 CE to 1923 CE
- PLS 544 - Government and Politics of the Middle East
- REL 350 - Islam

Three hours from:

- ARB 101 - Elementary Arabic I
- ARB 102 - Elementary Arabic II
- LCR 197 - Introduction to a Foreign Language or Introduction to Kurdish II (3) or another Middle Eastern language (3) (including accredited language courses available online, at other universities and/or via study abroad programs, as approved).

Nine hours from the following courses, with no more than six hours from any one department:

- ANT 397 - Special Topics *
- ART 471 - Islamic Art
- GRY 305 - Selected World Regions *
- HST 369 - Ancient Civilizations of the Mediterranean and Middle East
- HST 532 - History of Ancient Egypt
- HST 541 - The Ancient Near East to 1200 BCE
- HST 542 - Ancient Israel
- HST 543 - Nationalism, Sectarianism, and Conflict in the Middle East
- PLS 443 - Nationalisms and Islamisms of the Middle East
- PLS 497 - Special Topics *
- PLS 546 - Political Violence and Terrorism
- PLS 569 - Foreign Policies of the Middle Eastern States
- REL 312 - The Hebrew Prophets
- REL 325 - Dead Sea Scrolls
- REL 330 - Judaism
- REL 350 - Islam
- REL 397 - Religious Studies Topics *
- REL 550 - Topics in Religions of Europe and the Middle East *
- REL 570 - Archaeology and the Bible
- and courses taught as part of the *Mideast Meets Midwest* Missouri Consortium of Middle East Studies (courses offered on the *Middle East Online* from various Missouri universities).

Note:

*when applicable and the special topic is related to the Middle East or a Middle East study abroad program

Military Science Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

Minor Requirements

- MIL 301 - Military Leadership and Operations
- MIL 302 - Military Skill Building
- MIL 411 - Military Qualification Skills for the Advanced Cadet
- MIL 412 - Transition from Cadet to Lieutenant
- HST 315 - Military History of the United States

Museum Studies Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education (Non-Certifiable)
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Science in Nursing
Bachelor of Social Work

Program advisors:

- Dr. Billie Follensbee, Department of Art and Design, Museum Studies Program Coordinator
- Dr. Mitzi Kirkland-Ives, Department of Art and Design
- Dr. Michelle Bowe, Department of Biology
- Ms. Melanie Carden-Jessen, School of Earth, Environment and Sustainability
- Dr. Elizabeth Sobel, Department of Sociology, Anthropology and Gerontology
- Dr. F. Scott Worman, Department Sociology, Anthropology and Gerontology

Minor Requirements

The Museum Studies minor is an interdisciplinary minor that introduces students to the variety of careers available in museum studies as well as providing some basic background training in a variety of museum-related fields, allowing students to expand or continue their studies at the undergraduate or 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 some 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.

Students completing a museum- or archives-related internship(s) in any one of the track area disciplines may substitute this for the MST 495 internship, with the approval of a Museum Studies advisor, provided the internship consists of three credit hours total and fulfills all of the requirements for MST 495.

Required Courses (9 hours):

- MST 388 - The Museum: History and Perspectives *
- MST 495 - Museum Studies Internship

- MST 488 - Basic Conservation of Art and Artifacts
  OR
- MST 380 - Museum Collections Management
  OR
- MST 381 - Museum Exhibits
  OR
- MST 382 - Museum Programs

*ART 388, MST 388 and ART 488, MST 488 may not be double-counted between a Museum Studies BA option, a Museum Studies minor, and/or a Museum Studies undergraduate certificate and an Art History and Visual Culture BA option and a Museum Studies minor. In the event that a student is doing both an Art History and Visual Culture BA option and a Museum Studies minor and/or undergraduate certificate, these two courses will count only for the Museum Studies minor and/or certificate.

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.

Art History Track:

- ART 273 - Survey of the Art of Africa, Oceania, and the Americas appropriate prerequisite
  OR
- ART 274 - Survey of Asian Art appropriate prerequisite

and two of the following:

- ART 471 - Islamic Art
- ART 475 - Art of the Renaissance
- ART 476 - Women and Art
- ART 478 - Baroque Art
- ART 480 - Modern Art
  OR
- ART 484 - Contemporary Art
- ART 485 - Art of Mesoamerica

- ART 486 - Art of Africa
- ART 487 - Art of the Americas

Biology Track:

Two taxonomy courses and selected courses from the following, for a total of 8 to 10 hours:

- BIO 485 - Marine Conservation
- BIO 501 - Natural History Museum Techniques
- BIO 509 - Stream Ecology
- BIO 527 - Field Biology
- BIO 561 - Environmental Issues Education and Interpretation
- BIO 562 - Limnology
- BIO 564 - Ozarks Natural Communities

Geoscience Track:

Select one GRY course, one GLG course, and one additional course from the following:

- GEO 363 - Introduction to Geographic Information Science
- GRY 301 - Geography of the Ozarks
- GRY 318 - Geography of the National Parks
- GRY 320 - Cultural Geography
- GRY 348 - Geomorphology
- GLG 314 - Historical Geology
- GLG 332 - Mineralogy
- GLG 333 - Igneous and Metamorphic Petrology
- GLG 350 - Speleology
- GLG 412 - Field Geology of the Midcontinent Region
- GLG 415 - Invertebrate Paleontology
- PLN 573 - Urban Design and Preservation

Anthropology-Archaeology Track:

- ANT 305 - Introduction to Archaeology

and two of the following:

- ANT 345 - Historical Archaeology
- ANT 351 - Field Archaeology
- ANT 355 - Environmental Archaeology
- ANT 360 - North American Archaeology
- ANT 375 - Human Evolution
- ANT 397 - Special Topics (when applicable)
- ANT 490 - Field Experience in Anthropology (when applicable)
- ANT 545 - Cultural Resource Management
- ANT 550 - Advanced Methods in Archaeology
- ANT 555 - Archaeological Theory
- ANT 598 - Seminar in Anthropology (when applicable)

Anthropology-World Cultures Track:

- ANT 100 - World Cultures
  OR
- ANT 303 - Cultural Anthropology

and two of the following:

- ANT 330 - Peoples and Cultures
- ANT 332 - Peoples and Cultures of Africa
- ANT 334 - Peoples and Cultures of Japan
- ANT 490 - Field Experience in Anthropology (when applicable)

Anthropology-Native Americans Track:

Three of the following:

- ANT 325 - North American Indian Cultures
- ANT 327 - North American Indians Today
- ANT 330 - Peoples and Cultures
- ANT 351 - Field Archaeology
- ANT 360 - North American Archaeology
- ANT 490 - Field Experience in Anthropology (when applicable)
- ANT 505 - Ethnohistory
- ANT 598 - Seminar in Anthropology (when applicable)

Music Composition Minor

Major Degree Type

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education
Bachelor of Science

Minor Requirements

Basic Theory (6 hours):

- MUS 103 - Theory and Musicianship I
- MUS 104 - Theory and Musicianship II

Advanced Theory (10 hours):

- MUS 203 - Theory and Musicianship III
- MUS 313 - 16th Century Counterpoint
  OR
- MUS 314 - 18th Century Counterpoint

- MUS 328 - Instrumentation

OR

- MUS 518 - Choral Arranging
- MUS 529 - Introduction to Commercial Music

Composition (6 hours):

- MUS 327 - Composition Class
- MUS 516 - Composition I
- MUS 517 - Composition II

GPA graduation requirement:

A grade of "C" or better is required in all Music courses counted toward the minor.

Music Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science
Bachelor of Science in Education
Bachelor of Science in Nursing
Bachelor of Social Work

Minor Requirements

Basic Theory (6 hours):

- MUS 103 - Theory and Musicianship I
- MUS 104 - Theory and Musicianship II

Music History/Literature (6 hours):

- MUS 239 - Introduction to World Music
- MUS 346 - Music in Western Culture and Society II

Applied Music (4 hours):

Additional Music courses to bring total hours in Music to 18.

GPA graduation requirement:

A grade of "C" or better is required in all Music courses counted toward the minor.

Native American Studies Minor

Major Degree Type

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

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 past and present history, arts, and cultures of Native peoples of the Americas. The Native American Studies minor 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.

Minor Requirements

Complete 18 hours from the following and from at least two disciplines (course codes), with no more than 12 hours from any one discipline.

- ANT 325 - North American Indian Cultures
- ANT 326 - Plains Indian Cultures
- ANT 327 - North American Indians Today
- ANT 330 - Peoples and Cultures *
- ANT 347 - Archaeology of the Southwest
- ANT 351 - Field Archaeology *
- ANT 360 - North American Archaeology
- ANT 390 - Native American Code Talkers
- ANT 397 - Special Topics *
- ANT 490 - Field Experience in Anthropology *
- ANT 499 - Internship in Anthropology *
- ANT 505 - Ethnohistory
- ANT 545 - Cultural Resource Management
- ANT 598 - Seminar in Anthropology
- ANT 599 - Directed Research in Anthropology *
- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
- ART 485 - Art of Mesoamerica
- ART 487 - Art of the Americas

- ART 496 - Selected Topics in Art History *
- ENG 354 - Ethnic American Literature *
- GRY 305 - Selected World Regions *
- GRY 597 - Special Topics in Geography *
- HST 397 - Special Topics in History *
- HST 509 - Indian History
- HST 510 - The Plains Indians
- REL 315 - Native American Religions

Other courses (e.g., special topics, transfer) may be applied with the approval of the Administrator.

Note:

*when applicable

Nonprofit Leadership Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science
Bachelor of Social Work

This minor is jointly offered by the Department of Sociology, Anthropology and Gerontology, the Department of Communication, Media, Journalism and Film, and the School of Mental Health and Behavioral Sciences. This minor is administered by the Department of Sociology, Anthropology and Gerontology.

Minor Requirements

One Course in Introduction to Social Issues in the Community From:

- SOC 152 - Social Problems in the Community
- SOC 384 - Social Movements
- SOC 398 - Public Sociology and Community Studies
- SWK 200 - Introduction to Social Work
- SWK 219 - Human Diversity

One Course in Introduction to Nonprofit Organization From:

- SOC 430 - The Nonprofit Sector and Civil Society
- SWK 543 - Non-Profit Management in the Health and Human Services

One Course in Nonprofit Leadership From:

- COM 436 - Communication and Leadership
- PLS 255 - Public Administration

- SOC 492 - Leadership and Professional Development

Three Courses in Essential Skills in Nonprofit Leadership From:

- ACC 201 - Introduction to Financial Accounting
- COM 315 - Advanced Speaking in Professional Settings
- COM 336 - Communication in Organizations
- COM 466 - Social Movement Communication
- ENG 572 - Writing Grant Proposals
- GER 470 - Community Resources for Older Adults
- GER 480 - Policies and Older Adults
- SOC 499 - Internship in Applied Sociology
- SWK 595 - Grant Writing in the Health and Human Services

Ozarks Studies Minor

Major Degree Type

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

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.

Minor Requirements

- OZK 150 - Introduction to Ozarks Studies
- HST 375 - The Ozarks in American History

12 additional hours from:

- ANT 397 - Special Topics *
- BIO 564 - Ozarks Natural Communities
- BIO 597 - Topics in Biology *
- ENG 385 - Ozarks Traditions
- ENG 386 - Literature of the Ozarks
- GRY 301 - Geography of the Ozarks
- GRY 310 - Fundamentals of Tourism

OR

- SPR 320 - Fundamentals of Tourism
- GRY 325 - Rural Geography
- OZK 300 - Topics in Ozarks Studies *
- PLS 497 - Special Topics *
- SOC 397 - Special Topics *

Note:

*when applicable

Philosophy Minor

Major Degree Type

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Social Work

Minor Requirements

- PHI 105 - Critical Thinking

OR

- PHI 305 - Elements of Symbolic Logic

One Course in Ethics:

- PHI 302 - Environmental Ethics
- PHI 313 - Bioethics
- PHI 332 - Data Ethics
- PHI 340 - Philosophy of Law
- PHI 342 - Global Ethics
- PHI 345 - Theories of Ethics

One Course in the History of Philosophy:

- PHI 306 - History of Western Philosophy: Ancient
- PHI 310 - History of Western Philosophy: Modern
- PHI 312 - Contemporary Continental Philosophy

Additional Nine Hours of Philosophy Courses

to total at least 18 hours in the minor including at least 12 hours of upper division credit.

Note:

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.

Photography Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- ART 110 - Introduction to New Media
- ART 115 - Drawing I
- ART 255 - Introduction to Analog Photography

Nine hours from following to total at least 18 hours in the minor:

- ART 354 - Medium Format Photography
- ART 355 - Large Format Photography
- ART 356 - Color Photography
- ART 357 - Special Topics in Photography
- ART 358 - Studio Photography
- ART 359 - Digital Photography I
- ART 387 - History of Photography
- ART 399 - Individual Instruction
- ART 454 - Digital Photography II

Political Science Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Bachelor of Science in Education (Non-Certifiable)
Bachelor of Social Work

Minor Requirements

- PLS 101 - American Democracy and Citizenship

Additional Courses From at Least Three of the Following Six Political Science Fields to Total at Least 21 Hours in the Minor:

American Government and Politics:

- PLS 316 - Political Parties, Elections and Interest Groups
- PLS 317 - American Political Behavior
- PLS 413 - The American Executive
- PLS 414 - The Legislative Process

International Politics:

- PLS 232 - International Relations
- PLS 301 - U.S. National Security
- PLS 320 - American Foreign Policy
- PLS 437 - International Organizations and Law
- PLS 439 - Playing Games with the World
- PLS 546 - Political Violence and Terrorism
- PLS 547 - Politics of the European Union and Its Members

Comparative Politics:

- PLS 205 - Comparative Politics
- PLS 319 - Women in Politics
- PLS 338 - Politics of Less Developed Countries
- PLS 343 - Post-Soviet Politics
- PLS 443 - Nationalisms and Islamisms of the Middle East
- PLS 544 - Government and Politics of the Middle East
- PLS 545 - Asian Politics
- PLS 547 - Politics of the European Union and Its Members
- PLS 548 - Latin American Politics
- PLS 550 - Modern African Politics

Public Administration:

- PLS 102 - Introduction to American Public Policy
- PLS 255 - Public Administration
- PLS 315 - Federalism and Intergovernmental Relations
- PLS 351 - Municipal Government and Administration
- PLS 355 - Emergencies, Disasters and Catastrophes
- PLS 498 - Part-time Internship in Public Administration

- PLS 555 - Public Policy for a Global Environment
- PLS 573 - Policy Analysis

Political Theory:

- PLS 330 - Introduction to Political Theory
  OR
- PHI 330 - Introduction to Political Theory
- PLS 561 - Ancient Political Thought
- PLS 563 - Modern Political Theory
- PLS 565 - Contemporary Political Ideologies
- PLS 567 - American Political Thought

Public Law:

- PLS 419 - The Judicial Process
- PLS 515 - Constitutional Law I: Powers and Constraints
- PLS 517 - Constitutional Law II: Liberties and Rights
- PLS 520 - The U.S. Constitution and Equality

Note:

PLS 576 will count as a minor elective.

Public Administration Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Social Work

Minor Requirements

- PLS 102 - Introduction to American Public Policy
- PLS 255 - Public Administration
- PLS 315 - Federalism and Intergovernmental Relations
- PLS 351 - Municipal Government and Administration

Two Courses From:

- ECO 425 - Industrial Organization
- ECO 515 - Public Sector Economics
- PLS 355 - Emergencies, Disasters and Catastrophes
- PLS 498 - Part-time Internship in Public Administration
- PLS 555 - Public Policy for a Global Environment

- PLS 573 - Policy Analysis

Note:

No more than six hours taken for the BA or BS Political Science major can be counted toward the Public Administration minor.

Public Law Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science
Bachelor of Social Work

Minor Requirements

- PLS 101 - American Democracy and Citizenship
- PLS 419 - The Judicial Process

OR

- CRM 260 - Criminal Law and the Courts
- PLS 515 - Constitutional Law I: Powers and Constraints
- PLS 517 - Constitutional Law II: Liberties and Rights
- PLS 520 - The U.S. Constitution and Equality

Additional Six Hours From the Following to Total at Least 21 Hours in the Minor:

- CRM 210 - Introduction to the American Criminal Justice System
- CRM 260 - Criminal Law and the Courts
- HST 517 - Legal and Constitutional History of the United States
- LAW 231 - Legal Environment of Business
- LAW 531 - Labor Law and Employment Discrimination
- PHI 340 - Philosophy of Law
- PLS 419 - The Judicial Process
- PLS 493 - Part-time Internship in Political Science
- PLS 567 - American Political Thought
- PSY 320 - Psychology and the Law
- SOC 380 - Sociology of Law

Note:

No more than six hours taken for the BA or BS Political Science major may be counted on the Public Law minor.

Religious Studies Minor

Major Degree Type

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science
Bachelor of Science in Nursing
Bachelor of Social Work

Minor Requirements

- REL 100 - Introduction to Religion

- REL 101 - Old Testament/Hebrew Bible
  OR
- REL 102 - New Testament
- REL 110 - World Religions

Additional Nine 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 may be used toward the nine hours of electives. A maximum of three hours of REL 499 may be applied to the minor.

Major Degree Type

Bachelor of Science in Education (Non-Certifiable)

Minor Requirements BSED

- REL 100 - Introduction to Religion

- REL 101 - Old Testament/Hebrew Bible
  OR
- REL 102 - New Testament
- REL 110 - World Religions

Additional Nine 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 and PSY 533 may be used toward the nine hours of electives. A maximum of three hours of REL 499 may be applied to the minor.

Screenwriting Minor

Major Degree Type

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science

Minor Requirements

- MED 565 - Intermediate Screenwriting
- MED 566 - Writing for Television
- MED 569 - Advanced Screenwriting
- MED 593 - Rewriting Features and Pilots

Six hours of electives to bring total hours to at least 18 in the minor.

- MED 360 - Beginning Screenwriting
- MED 463 - Writing Adaptations for Television and Film
- MED 464 - Genre Writing for Film and Television
- MED 568 - Writing the Web Series
- MED 300 - Special Topics in Media with program coordinator's approval
- MED 597 - Advanced Studies in Media with program coordinator's approval

Sociology Minor

Major Degree Type

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

Minor Requirements

- SOC 150 - Introduction to Society
- SOC 325 - Introduction to Sociological Theory

12 Additional Hours in Sociology

Spanish Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science
Bachelor of Science in Nursing
Bachelor of Social Work

Minor Requirements

In consultation with advisor, complete 18 hours in Spanish beyond courses 101, 102 and 103.

Major Degree Type

Bachelor of Science in Education (Non-Certifiable)

Minor Requirements BSED

In consultation with advisor, complete 18 hours in Spanish beyond courses 101, 102 and 103 with six of those hours being 300-level or higher.

Strategic Communication

Major Degree Type

Bachelor of Science

Minor Requirements

- COM 219 - Public Relations Theory and Research
- COM 309 - Principles of Public Relations

12 hours of supporting minor electives from:

- COM 379 - Writing for Public Relations
- COM 439 - Techniques and Cases in Public Relations
- COM 459 - Social Media Analytics for Public Relations
- COM 469 - Global Public Relations
- COM 509 - Communication Campaigns
- JRN 270 - Introduction to Journalism
- MED 355 - Social Media
- MED 381 - Broadcast Writing

Completion Requirement.

Attain a GPA of 3.00 or higher in the courses used to fulfill the minor requirements.

Teaching English to Speakers of Other Languages Minor

Major Degree Type

Bachelor of Science in Education (Certifiable grades K-12, additional endorsement only, known as Missouri English Language Learners (K-12) Endorsement)

Minor Requirements

- ENG 296 - Introduction to Linguistics
  OR
- ENG 591 - Linguistic Theory
- ENG 505 - Methods in Teaching English to Speakers of Other Languages TESOL
- ENG 592 - Sociolinguistics for Language Teaching
- ENG 595 - Principles of Second Language Acquisition
- ENG 596 - Materials and Assessment in Teaching English to Speakers of Other Languages TESOL
- ENG 597 - Practicum in Teaching English to Speakers of Other Languages TESOL
- ENG 390 - Modern English Grammar
  OR
- ENG 590 - Grammatical Analysis

Total credit hours: 21

Professional Education Courses:

- LTC 474 - Reading and Writing in the Content Fields
- LTC 574 - Analysis and Correction of Difficulties in Adolescent Literacy

- SPE 310 - Introduction to Special Education
  OR
- SPE 340 - Educational Alternative for Exceptional Students **AND**
- SPE 300 - Service-Learning in Special Education

In order to meet Missouri state teacher certification requirements

All students must have a 2.75 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

- English courses counted toward the major cannot be counted toward the minor.
- English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.
- With the exception of ENG 110, ENG 210 and ENG 221, English courses counted toward the major or minor can also be counted toward the General Education requirements.

Technical Writing Minor

Major Degree Type

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science

Minor Requirements

- ENG 321 - Writing II: Beginning Technical Writing
- ENG 373 - Writing with Technology
- ENG 377 - Professional Editing
- ENG 421 - Advanced Technical Writing

Six hours for a total of not fewer than 18 hours in the minor.

- ENG 422 - Career Focus in Professional Writing
- ENG 473 - Writing with Technology II
- ENG 487 - Analysis of Scientific Literature
- ENG 500 - Advanced Writing: Nonfiction
- ENG 532 - Writing in the Legal Profession
- ENG 537 - Writing for Intercultural Audiences
- ENG 549 - Ethics in Professional Writing
- ENG 550 - Writing About Food
- ENG 567 - Data Displays in Technical Documents
- ENG 569 - Nonfiction Publishing
- ENG 570 - Writing in the Health Professions
- ENG 572 - Writing Grant Proposals
- ENG 573 - Writing for the Web
- ENG 574 - Technical Writing Internship
- ENG 575 - Topics in Professional Writing

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 110, ENG 210 and ENG 221, English courses counted toward the major or minor can also be counted toward the General Education requirements.

The Law and Society Minor

Major Degree Type

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 18-hour program of study with six credit hours required in the core and an additional 12 hours of designated electives. No more than two courses with the same course subject code will count toward the minor.

Minor Requirements

Core Courses:

- PHI 340 - Philosophy of Law
- PLS 515 - Constitutional Law I: Powers and Constraints

OR

- PLS 517 - Constitutional Law II: Liberties and Rights

12 hours from:

- AGB 314 - Legal Aspects of Agriculture
- ECO 435 - The Economic Analysis of Law
- JRN 407 - Media Law
- LAW 231 - Legal Environment of Business
- LAW 537 - Environmental Regulation
- PHI 345 - Theories of Ethics
- PLN 570 - Planning Law
- CRM 210 - Introduction to the American Criminal Justice System

OR

- PSY 320 - Psychology and the Law

Theatre Minor

Major Degree Type

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

Minor Requirements

- THE 130 - Introduction to Script Analysis
- THE 150 - Introduction to Theatre Technology
- THE 151 - Introduction to Theatre Technology Lab

One course from:

- THE 541 - Theatre History I
- THE 542 - Theatre History II
- THE 543 - Development of Modern Theatre
- THE 545 - Contemporary Theatre
- THE 547 - Development of American Theatre

Nine hours of Theatre electives of which three hours must be chosen from courses numbered 300 or higher for a total of 18 hours in the minor.

Writing Minor

Major Degree Type

Bachelor of Science in Education (Non-Certifiable)

Minor Requirements

- ENG 205 - Creative Writing: Nonfiction
- ENG 215 - Creative Writing: Short Story
- ENG 235 - Critical Approaches to Literature

Three courses for a total of not fewer than 18 hours in the minor.

Students seeking a BSED degree must seek the advice of an advisor.

- JRN 270 - Introduction to Journalism
- JRN 370 - News Reporting and Writing
- JRN 374 - Opinion Writing
- JRN 375 - Feature Writing
- JRN 476 - Copy Editing and Design
- ENG 203 - Creative Writing: Poetry
- ENG 225 - Creative Writing: Playwriting
- ENG 303 - Creative Writing: Poetry II
- ENG 315 - Creative Writing: Fiction II
- ENG 321 - Writing II: Beginning Technical Writing
- ENG 334 - Literature for Children
- ENG 390 - Modern English Grammar
- ENG 421 - Advanced Technical Writing
- ENG 501 - Advanced Writing: Fiction
- ENG 536 - Young Adult Novel

Restriction on use of English courses for majors and minors in the Department of English

- English courses counted toward the major cannot be counted toward the minor.
- English courses counted toward the major or minor cannot be counted toward the BA Fine Arts requirement.

- With the exception of ENG 110, ENG 210 and ENG 221, English courses counted toward the major or minor can also be counted toward the General Education requirements.

Certificates

Acting on Camera Certificate

This certificate prepares performers and media practitioners for the professional on-camera marketplace.

Admission requirements

Acceptance is based upon audition and application. Current students from any Missouri State degree program may apply. Members of the community may apply for admission but must also meet Missouri State admission requirements.

Program requirements

- THE 522 - Auditioning and Acting for the Camera
- THE 524 - Acting on Film
- THE 500 - Acting on Camera Practicum Acting performance in an approved Missouri State University sponsored project (including but not limited to collaborative projects with MED 765, Directing for Film and Stage) or an approved external film production.

One course from:

- THE 222 - Acting Fundamentals
- THE 421 - Acting Studio IV
- THE 422 - Scene Study

One course from:

- MED 365 - Digital Film and Media Production
- MED 383 - Television Production
- THE 500 - Acting on Camera Practicum Note: May be repeated to 6 hours to meet certificate requirements.

Three hours from:

- THE 323 - Devised Theatre Performance
- THE 328 - Combat and Violence for Stage and Screen
- 3 hours of THE 497 - Topics
- MED 360 - Beginning Screenwriting
- MED 462 - TV/Film Producing
- MED 466 - Editing for Film and Television
- MED 472 - Directing the Short Film

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 18

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Advocacy Writing Certificate

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

- ENG 222 - Writing for Social Change
- ENG 322 - Advanced Writing for Social Change
- ENG 572 - Writing Grant Proposals

One course from:

- ENG 321 - Writing II: Beginning Technical Writing
- ENG 373 - Writing with Technology
- ENG 525 - History of Rhetoric
- COM 466 - Social Movement Communication
- ECO 101 - Economics of Social Issues
- PLS 316 - Political Parties, Elections and Interest Groups
- PLS 317 - American Political Behavior
- SOC 152 - Social Problems in the Community
- SOC 384 - Social Movements

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.

Total Credit Hours: 12

African and African American Studies Certificate

This certificate provides knowledge about the histories, societies, and cultures of Africa and the African diaspora, including Black America, and about related issues of diversity and social justice. The certificate complements all majors (for example, programs in education, social work, health care, business, and the arts, humanities, and social sciences), and a background in African and African American Studies is an asset in many career fields.

Program Requirements

- AAS 100 - Introduction to African American Studies

One course on Africa from:

- AAS 323 - Women in Africa

OR

- HST 323 - Women in Africa

- AAS 333 - Peoples and Cultures of Africa

OR

- ANT 332 - Peoples and Cultures of Africa

- AAS 334 - Conflict and Peace Building in Africa

OR

- HST 334 - Conflict and Peace Building in Africa

- AAS 335 - African Civilization

OR

- HST 335 - African Civilization

- AAS 338 - Sources and Methods in African History

OR

- HST 338 - Sources and Methods in African History

- AAS 339 - Africa and the Wider World

OR

- HST 339 - Africa and the Wider World

- AAS 345 - Enslavement in the Atlantic World

OR

- HST 345 - Enslavement in the Atlantic World

- AAS 363 - Introduction to African Literature

OR

- ENG 363 - Introduction to African Literature

- AAS 532 - History of Ancient Egypt

OR

- HST 532 - History of Ancient Egypt

- AAS 550 - Modern African Politics

OR

- PLS 550 - Modern African Politics

- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
- ART 486 - Art of Africa

Two courses from:

- AAS 312 - Anthropology of Gender *

OR

- ANT 312 - Anthropology of Gender *

- AAS 323 - Women in Africa
  OR
- HST 323 - Women in Africa

- AAS 330 - Peoples and Cultures *
  OR
- ANT 330 - Peoples and Cultures *

- AAS 331 - African American History I
  OR
- HST 331 - African American History I

- AAS 332 - African American History II
  OR
- HST 332 - African American History II

- AAS 333 - Peoples and Cultures of Africa
  OR
- ANT 332 - Peoples and Cultures of Africa

- AAS 334 - Conflict and Peace Building in Africa
  OR
- HST 334 - Conflict and Peace Building in Africa

- AAS 335 - African Civilization
  OR
- HST 335 - African Civilization

- AAS 336 - Race and Ethnicity
  OR
- SOC 336 - Race and Ethnicity

- AAS 338 - Sources and Methods in African History
  OR
- HST 338 - Sources and Methods in African History

- AAS 339 - Africa and the Wider World
  OR
- HST 339 - Africa and the Wider World

- AAS 345 - Enslavement in the Atlantic World
  OR
- HST 345 - Enslavement in the Atlantic World

- AAS 346 - African American Religious Experience
  OR
- REL 345 - African American Religious Experience

- AAS 355 - African American Literature
  OR

- ENG 355 - African American Literature

- AAS 363 - Introduction to African Literature
  OR
- ENG 363 - Introduction to African Literature

- AAS 455 - African American Drama
  OR
- ENG 455 - African American Drama

- AAS 490 - Field Experience in Anthropology *
  OR
- ANT 490 - Field Experience in Anthropology *

- AAS 531 - African American Leaders and Movements
  OR
- HST 531 - African American Leaders and Movements

- AAS 532 - History of Ancient Egypt
  OR
- HST 532 - History of Ancient Egypt

- AAS 550 - Modern African Politics
  OR
- PLS 550 - Modern African Politics

- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
- ART 486 - Art of Africa
- ART 488 - Basic Conservation of Art and Artifacts *
- ART 495 - Internship in Art History *
- CRM 415 - Difference and Diversity in Criminology
- ENG 554 - Topics in Ethnic American Literature *
- MST 488 - Basic Conservation of Art and Artifacts *
- MST 495 - Museum Studies Internship *
- MUS 347 - History of Jazz in American Culture
- SWK 219 - Human Diversity

* when applicable

All Candidates Must Satisfy the General University Certificate Requirements

Total Credit Hours: 12

Ancient Worlds Certificate

This certificate is jointly offered by the Department of History; Department of Sociology, Anthropology, and Gerontology; and Department of Languages, Cultures and Religions. Unearth various aspects of life in the ancient past in this interdisciplinary certificate. Working across academic departments and colleges, students will explore the history, literature, archaeology, religion,

and philosophy of premodern societies and cultures from around the world. In attaining this certificate, students will be introduced to a variety of intellectual and disciplinary approaches employed in the study of "Ancient Worlds." Topics may include: the history of ancient Egypt, Asia, or Latin America, archaeology of North America, classical mythology and philosophy, and the religions of the Ancient Near East and Roman civilizations. This certificate sets students up for success in a wide range of activities, including graduate programs and fellowships in classics, ancient history, archaeology, religious studies, and/or museum studies; and is a unique enhancement for students interested in law, arts, sciences, and medicine. This certificate may benefit students working towards careers in law, business, consulting, politics/government work, archives, museums, education, public humanities, archaeology, publishing, and more.

This certificate is administered by the Department of History.

Program requirements

Two courses from the following core courses for a total of six hours:

- ANT 340 - Archaeology of Complex Societies
- HST 369 - Ancient Civilizations of the Mediterranean and Middle East
- LLT 121 - Classical Mythology
- PHI 306 - History of Western Philosophy: Ancient
- REL 327 - Religions of the Ancient Near East

Two courses from the following electives for a total of six hours:

*****Variable content, independent study, and other courses not listed may be included when applicable, as determined by the Ancient Worlds certificate advisor.

- ANT 347 - Archaeology of the Southwest
- ANT 355 - Environmental Archaeology
- ANT 360 - North American Archaeology
- ANT 397 - Special Topics *
- GRK 102 - Elementary Ancient Greek II
- HST 343 - Ancient Rome
- HST 350 - Latin American Civilization
- HST 380 - Premodern East Asia
- HST 395 - Spanish Conquest and Colonization in the Americas, 1492-1700
- HST 397 - Special Topics in History *
- HST 532 - History of Ancient Egypt
- HST 541 - The Ancient Near East to 1200 BCE
- HST 542 - Ancient Israel
- HST 569 - The Material Worlds of Antiquity: Archaeology and Ancient History
- LLT 240 - Epics from Classical Antiquity
- LLT 321 - Comparative Mythology
- LLT 325 - Greek Civilization
- LLT 326 - Roman Civilization
- LTN 102 - Elementary Latin II
- PHI 314 - Asian Philosophy
- REL 325 - Dead Sea Scrolls
- REL 397 - Religious Studies Topics *
- REL 570 - Archaeology and the Bible

Additional core classes beyond the required six hours can be used to fulfill elective requirements.

Only six hours used in another major, minor, or certificate can count toward this certificate.

All candidates must satisfy the General University Certificate Requirements.

Total credit hours: 12

Archaeology Certificate

Archaeology is the study of past human cultures through their material remains. Beyond studying the past, archaeology involves a concern for the management of archaeological sites, the interpretation of cultural heritage, and the ethics of preserving and presenting the human past. Students who complete this certificate will gain hands-on knowledge of archaeological field and/or laboratory methods, become familiar with theories used to interpret the archaeological record, and learn about the importance of archaeology for understanding past societies and contributing to contemporary societies. These skills and knowledge are advantageous for a range of careers including archaeology, cultural resource management, applied anthropology, natural resource management, museum work, and public history.

Program Requirements

Required Core:

- ANT 305 - Introduction to Archaeology

- ANT 351 - Field Archaeology
  OR
- ANT 550 - Advanced Methods in Archaeology

Six Additional Hours From:

The Archaeology certificate advisor may approve substitution of relevant coursework not listed here.

- ANT 340 - Archaeology of Complex Societies
- ANT 342 - Hunters and Gatherers
- ANT 345 - Historical Archaeology
- ANT 347 - Archaeology of the Southwest
- ANT 351 - Field Archaeology *
- ANT 355 - Environmental Archaeology
- ANT 360 - North American Archaeology
- ANT 505 - Ethnohistory
- ANT 545 - Cultural Resource Management
- ANT 550 - Advanced Methods in Archaeology *
- ANT 555 - Archaeological Theory
- ANT 397 - Special Topics **

- ANT 499 - Internship in Anthropology **
- ANT 598 - Seminar in Anthropology **

*Variable content courses repeatable for credit towards the certificate if the content differs.
**When applicable, as determined by the Archaeology certificate advisor.

All Candidates Must Satisfy the General University Certificate Requirements

Total Credit Hours: 12

Argumentation and Public Policy Certificate

This certificate provides the coursework to broaden the student's experience of applied argumentation in the context of public policy. The courses provide the student with the background to make, refine, refute, and evaluate public policy arguments in a variety of subject areas at the undergraduate level.

Program requirements

- COM 321 - Inter-Collegiate Debating **must be repeated to a minimum of 6 hours.**
- COM 322 - Introduction to Argumentation

Three hours from the following in consultation with certificate advisor:

- COM 397 - Topics in Communication
- COM 450 - Political Communication
- COM 454 - Presidential Rhetoric
- COM 496 - Independent Study in Communication
- PLS 301 - U.S. National Security
- PLS 320 - American Foreign Policy
- PLS 555 - Public Policy for a Global Environment
- PLS 573 - Policy Analysis

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirement

Attain a GPA of 3.00 or higher in all courses used to fulfill the certificate requirements.

Basic Spanish Communication Certificate

This certificate is designed to give students a solid grounding in the language skills and cultural knowledge necessary to successfully interact with Spanish speakers in familiar contexts in the United States and abroad.

Program Requirements

- SPN 101 - Elementary Spanish I **AND**
- SPN 102 - Elementary Spanish II

OR

- SPN 103 - Elementary Spanish I and II
- SPN 201 - Intermediate Spanish I **AND**
- SPN 202 - Intermediate Spanish II

OR

- SPN 203 - Intermediate Spanish I and II
- SPN 205 - Spanish Proficiency Skills

All candidates must satisfy the General University Certificate Requirements.

Children's and Young Adult Literature Certificate

This certificate is designed for those interested in pursuing a career in library or literary studies, publishing, education, and related fields. The certificate provides a foundation for analyzing children's and young adult literature, and the historical and cultural contexts in which they are written.

Admission requirement

Combined GPA (Missouri State and transfer) of 2.0 or better.

Program requirements

- ENG 334 - Literature for Children
- ENG 338 - Literature for Young Adults

Two courses from:

- ENG 339 - Writing for Children and Young Adults
- ENG 533 - Studies in Children's Literature
- ENG 534 - Historical Perspectives in Children's Literature
- ENG 536 - Young Adult Novel
- ENG 539 - Advanced Writing for Children and Young Adults

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Classical Languages Certificate

This certificate allows students to build a background in one of the world's most ancient languages (Greek or Latin). Students will interact with ancient texts and inscribed artifacts from ancient Mediterranean civilizations and delve into the etymology of romance languages, modern scientific and medical terminology, and legal terms. This certificate prepares students for the GRE, LSAT, MCAT tests, or a career in law, medicine, science, museums, archaeology, or public humanities.

Program requirements

11-12 hours from:

- GRK 101 - Elementary Ancient Greek I
- GRK 102 - Elementary Ancient Greek II
- GRK 201 - Intermediate Ancient Greek I
- GRK 202 - Intermediate Ancient Greek II
- LTN 101 - Elementary Latin I
- LTN 102 - Elementary Latin II
- LTN 201 - Intermediate Latin I
- LTN 202 - Intermediate Latin II
- LLT 102 - Scientific and Medical Terminology

One additional three-hour course numbered 200 or higher in GRK, LLT, or LTN as approved by an advisor.

All candidates must satisfy the General University Certificate Requirements.

Total credit hours: 14-15

Conflict and Dispute Resolution Certificate

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.

Program requirements

- COM 205 - Interpersonal Communication Theory and Skills
- COM 410 - Conflict and Communication
- COM 521 - Communication, Mediation, and Negotiation

Six hours of electives with advisor approval.

The intent of these electives is to allow students to focus on conflict processes and skills specific to their professional interest areas. Students may use up to three hours of COM 494 , Conflict Internship, towards the elective credit.

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 15

Completion requirement

Attain a GPA of 3.00 or higher in all courses used to fulfill the certificate requirements

Conservation Law Enforcement Certificate

This certificate is jointly offered by the School 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 School of Criminology and Criminal Justice.

Program Requirements

- CRM 210 - Introduction to the American Criminal Justice System
- CRM 365 - Criminal Procedure
- CRM 400 - Conservation Law Enforcement
- BIO 122 - General Biology II
- BIO 373 - Principles of Wildlife Management

Recommended Elective:

- BIO 121 - General Biology I
  OR
- BIO 101 - Biology in Your World **AND**
- BIO 111 - Laboratory for Biology in Your World

One Course From Following to Complete at Least 18-19 Hours:

- BIO 532 - Principles of Fisheries Management
- BIO 561 - Environmental Issues Education and Interpretation
- BIO 573 - Ornithology
- BIO 575 - Ichthyology
- BIO 576 - Herpetology

All Candidates Must Satisfy the General University Certificate Requirements

Total Credit Hours: 18-19

Criminal Courts Certificate

The certificate is designed for students interested in pursuing criminal justice careers that involve the court system, such as court reporters, docket clerks, court clerks, legal assistants, paralegals, prosecutors, public defenders, judges, bailiffs, case administrators, victim advocates, and court administrators. The curriculum provides an in-depth look into the basic principles, processes, personnel, and structures found in courts in the United States and Missouri. Students will also examine the U.S. Supreme Court and its landmark decisions related to courts, such as right to counsel, right to a speedy trial, and right to confront witnesses in court. Students will also critically examine the laws and rules of evidence used at trial, particularly the Federal Rules of Evidence, and learn how to create a cohesive trial strategy in court.

Program Requirements

- CRM 260 - Criminal Law and the Courts
- CRM 365 - Criminal Procedure
- CRM 435 - Evidence

Six Hours From:

- CRM 316 - Post-Conviction Justice Clinic
- CRM 376 - Restorative Justice
- CRM 396 - Directed Readings in Criminology
- CRM 397 - Special Topics in Criminology
- CRM 425 - Wrongful Convictions
- PSY 557 - Forensic Psychology: Child Abuse and the Law

All Candidates Must Satisfy the General University Certificate Requirements

Total Credit Hours: 15

Completion Requirement

Attain a GPA of 2.50 or higher in courses used to fulfill the certificate requirements.

Criminal Investigation Certificate

This certificate is jointly offered by the School of Criminology and Criminal Justice and the School of Mental Health and Behavioral Sciences. 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 School of Criminology and Criminal Justice.

Program Requirements

- CRM 314 - Forensic Science
- CRM 336 - Criminal Psychology
- CRM 382 - Criminal Investigation

Six Hours From:

- ANT 363 - Survey of Forensic Anthropology
- CRM 333 - Sex Offenses
- CRM 334 - Homicide
- CRM 335 - Criminal Typologies
- PSY 505 - Forensic Child Psychology
- PSY 525 - Motivation and Emotions

All Candidates Must Satisfy the General University Certificate Requirements

Total Credit Hours: 15

Completion Requirement

Attain a GPA of 2.50 or higher in courses used to fulfill the certificate requirements.

Cultural Anthropology Certificate

This certificate prepares students to work in an increasingly global and diverse workplace. It exposes students to fundamental concepts in cultural anthropology, strengthening their ability to understand, appreciate, and work with people from diverse cultures. Students must take an introduction to cultural anthropology and three substantive courses in the field.

Program Requirements

Core Course:

- ANT 303 - Cultural Anthropology

Three Courses From the Following for a Minimum of Nine Hours:

- ANT 100 - World Cultures
- ANT 306 - Linguistic Anthropology
- ANT 312 - Anthropology of Gender
- ANT 313 - Volunteering and Development in the Global South: Anthropological Perspectives
- ANT 314 - Environmental Anthropology
- ANT 315 - Anthropology of Globalization
- ANT 316 - Ends of Life
- ANT 317 - Medical Anthropology
- ANT 318 - Anthropology of Tourism
- ANT 320 - Ethnography
- ANT 321 - Ethnographic Field School
- ANT 325 - North American Indian Cultures
- ANT 326 - Plains Indian Cultures
- ANT 327 - North American Indians Today
- ANT 330 - Peoples and Cultures

- ANT 332 - Peoples and Cultures of Africa
- ANT 334 - Peoples and Cultures of Japan
- ANT 336 - Peoples and Cultures of Latin America
- ANT 338 - Peoples and Cultures of Oceania
- ANT 380 - Language and Culture
- ANT 395 - History of Anthropological Theory
- ANT 397 - Special Topics *
- ANT 400 - Action Anthropology
- ANT 490 - Field Experience in Anthropology
- ANT 499 - Internship in Anthropology *
- ANT 500 - Applied Cultural Anthropology
- ANT 505 - Ethnohistory
- ANT 511 - Ethnographic Field Methods

* when relevant as determined by certificate coordinator or advisor.

All Candidates Must Satisfy the General University Certificate Requirements

Total Credit Hours: 12

Diversity in the United States Certificate

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

Four Courses From:

- AAS 100 - Introduction to African American Studies
- ANT 327 - North American Indians Today
- COM 412 - Communication and Diversity in the Workplace
- CRM 410 - Women in Criminal Justice
- CRM 415 - Difference and Diversity in Criminology
- DAS 100 - Introduction to Disability Studies
- GST 170 - Sex, Gender, and Self
- HST 324 - Women in American History

- HST 331 - African American History I
- HST 332 - African American History II
- REL 346 - Sexuality and American Religion
- REL 370 - Women and Religion
- SOC 336 - Race and Ethnicity
- SOC 337 - Sociology of Gender

All Candidates Must Satisfy the General University Certificate Requirements

Total Credit Hours: 12

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.

Documentary Filmmaking Certificate

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

- MED 345 - Fundamentals of Media Production
  OR
- MED 365 - Digital Film and Media Production
- JRN 388 - Electronic News Gathering
  OR
- JRN 478 - Mobile Journalism
- MED 412 - Documentary Storytelling
- MED 512 - Documentary Film Practicum
- MED 361 - Introduction to Sound Recording for Media
  OR
- MED 462 - TV/Film Producing
  OR
- MED 465 - Principles of Cinematography

Note:

Students pursuing this certificate may request a waiver of the prerequisites for JRN 388 or JRN 478.

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 15

Editing and Publishing Certificate

This certificate will provide students an understanding of the editing and publication processes related to small press publishing, literary magazine publishing, professional editing, and the larger literary publishing industry through both classroom learning and experience with the Department of English's Moon City Press and Moon City Review. This understanding provides a foundation for literary publication, preparing students for professional work in this field, including but not limited to large publishing houses, small independent presses, literary agenting and representation, editing and proofreading, entrepreneurship, and the non-profit arts sector.

Program requirements (12 hours)

Core:

- ENG 540 - Small Press Production
- ENG 551 - Literary Publication

One advanced creative writing course from:

- ENG 500 - Advanced Writing: Nonfiction
- ENG 501 - Advanced Writing: Fiction
- ENG 503 - Advanced Writing: Poetry

One course from:

- ENG 338 - Literature for Young Adults
- ENG 354 - Ethnic American Literature
- ENG 355 - African American Literature
- ENG 363 - Introduction to African Literature
- ENG 366 - Popular Fiction
- ENG 377 - Professional Editing
- ENG 386 - Literature of the Ozarks
- ENG 483 - Folklore and Literature
- ENG 517 - The American Novel
- ENG 536 - Young Adult Novel
- ENG 547 - Modern British Literature
- ENG 554 - Topics in Ethnic American Literature
- ENG 559 - Modern American Literature
- ENG 562 - Contemporary American Poetry/Fiction
- ENG 563 - Literature and Medicine
- ENG 564 - Place-Conscious Reading and Writing
- ENG 572 - Writing Grant Proposals
- ENG 574 - Technical Writing Internship
- ENG 575 - Topics in Professional Writing with permission from the instructor
- ENG 583 - Themes in Folkloristics

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Environmental Ethics Certificate

This certificate provides students with a foundation for understanding ethical problems associated with the natural environment and humans' place within it. Through coursework in environmental studies and practical ethics, students will learn how to think critically about the ethical dimensions of our interaction with the natural world and will gain a foundation for considering solutions to the problems involved.

Program Requirements

- PHI 115 - Ethics and Contemporary Issues
- PHI 302 - Environmental Ethics

Six hours from:

- AGR 370 - Animal Welfare, Animal Rights, and the Ethics of Food Production
- PHI 345 - Theories of Ethics
- GRY 351 - Sustainable Management of Natural Resources
- GLG 547 - Water Resources

All Candidates Must Satisfy the General University Certificate Requirements

Total Credit Hours: 12

Family and Juvenile Support Services Certificate

This certificate is jointly offered by the Department of Sociology, Anthropology and Gerontology, the School of Teaching, Learning and Development Sciences, and the School of Criminology and Criminal Justice. It is designed to provide students with the specialized training for working with families in legal contexts especially in the area of delinquency. Students who complete this certificate will better understand the nature of modern families and adolescents and the issues they deal with related to juvenile delinquency.

This certificate is administered by the Department of Sociology, Anthropology and Gerontology.

Admission requirements

Completion of at least 60 hours and a GPA of 2.50 or higher.

Program Requirements

One Course on Introduction to Families From:

- CFD 163 - Relationships in Today's Families
- CFD 361 - Principles of Family Development
- SOC 315 - The Family

One Course on Youth/Adolescent Studies From:

- CFD 505 - Trends and Issues in Youth Development
- CFD 557 - Growth and Development: Middle Childhood to Adolescence
- PSY 441 - Psychology of Adolescence

One Course on Delinquency From:

- CRM 330 - Juvenile Justice
- SOC 332 - Juvenile Delinquency

One Elective Course From:

- CFD 562 - Prevention of Child Abuse and Neglect
- CRM 325 - Domestic Violence
- SOC 310 - Social Deviance
- SWK 370 - Child Welfare Services

All Candidates Must Satisfy the General University Certificate Requirements

Total Credit Hours: 12

Completion Requirements

Attain a GPA of 2.50 or higher for all courses used to fulfill the certificate requirements.

French for Communication Certificate

This certificate is designed for students who wish to gain basic conversational proficiency in French. Upon completion of this certificate, students will be able to interact at the intermediate level with both native French speakers and learners in-and-from the French-speaking countries in the Americas and in other regions throughout the rest of the world.

Program requirements

- FRN 101 - Elementary French I
- FRN 102 - Elementary French II
- FRN 201 - Intermediate French I

- FRN 202 - Intermediate French II
- FRN 311 - French Conversation

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 15

French for the Professions Certificate

This certificate is designed for students who are interested in enhancing their French language skills necessary for specific professions such as business, law, translation and medical field. Upon the completion of this certificate, students will be able to comprehend and interact effectively with native French-speakers and learners in variety of professional domains using the necessary profession-specific language skills.

Program requirements

- FRN 311 - French Conversation
- FRN 312 - French Grammar and Composition
- FRN 316 - French for the Professions
- FRN 414 - Le Francais Vivant
- FRN 415 - Vivre et Travailler en francais

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 15

French Translation Certificate

This certificate is designed for students who are interested in developing their language skills and techniques necessary for careers in French-English translation. Upon completion of this certificate, students will be able to understand the process, the techniques and the practices involved in French-English translation; and will be able to translate a wide range of materials from different registers and texts in different professional domains into/from French and English.

Program requirements

- FRN 312 - French Grammar and Composition
- FRN 410 - Translation
- FRN 415 - Vivre et Travailler en francais
- LCR 310 - Introduction to Translation and Interpreting

One course from:

- FRN 324 - Topics in Francophone Linguistics
- FRN 326 - Culture Populaire
- FRN 335 - Les Beaux-Arts du monde francophone
- FRN 381 - French Literature from the Middle Ages through the Enlightenment

- FRN 382 - Literature of the French-speaking World from the 19th Century to the Present
- FRN 495 - Advanced Undergraduate Seminar in French

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 15

Gerontology Certificate

This certificate is designed to educate students about the cultural, social, and behavioral aspects of age and aging, as well as how the process of aging is impacted by society's institutions such as health care and politics.

This certificate is multidisciplinary and aims to produce knowledgeable and empathetic individuals who will understand and appreciate aging trajectories; work in a professional capacity with older adults in senior living, health care, recreation, hospitality, business, marketing, faith communities, education, non-profits, politics, and government; and be able to coordinate services and advocate for just policies, at the local, state, and federal levels, for older adults.

Program requirements

- GER 180 - Successful Aging

One foundation course from:

- GER 375 - Social Forces and Aging
  OR
- SOC 375 - Social Forces and Aging

- GER 351 - Psychology of Adulthood and Aging
- PSY 350 - Psychology of Adulthood and Aging

One applied course from:

- GER 470 - Community Resources for Older Adults
  OR
- SWK 470 - Community Resources for Older Adults

- GER 480 - Policies and Older Adults

Three hours from:

- GER 300 - Service-Learning Curricular Component

- GER 309 - Identity and Aging in Literature and Film
  OR
- PSY 309 - Identity and Aging in Literature and Film

- GER 354 - Gender and Sexuality in Later Life
  OR

- PSY 354 - Gender and Sexuality in Later Life

- GER 363 - Death and Human Behavior
  OR
- PSY 363 - Death and Human Behavior

- GER 366 - Families in Later Life
  OR
- PSY 366 - Families in Later Life
  OR
- CFD 365 - Families in Later Life
  OR
- SWK 365 - Families in Later Life

- GER 370 - Mental Health and Aging
  OR
- PSY 370 - Mental Health and Aging

- GER 396 - Directed Readings in Gerontology
- GER 397 - Special Topics in Gerontology
- GER 492 - Directed Research

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Graphic Narrative Certificate

This certificate will provide students an understanding of the craft and literature of graphic narrative, also known as sequential art, comics, and cartooning. This area of study builds students' skills in creative writing, drawing techniques and materials, and knowledge of graphic narrative literature, history, and critical/theoretical approaches. This certificate benefits students with a variety of professional interests, including but not limited to creative writing, literature and scholarship, publication and editing, illustration, animation, film-making, and/or English education. Students will take courses both in the Department of English and the Department of Art and Design to complete this certificate.

Program requirements

- ENG 216 - Introduction to the Graphic Novel
- ENG 316 - Graphic Narrative II
- ENG 323 - Literature of Sequential Art
- DES 220 - Materials and Techniques for Sequential Art

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Health Equity Certificate

This certificate is designed to provide students the opportunity to do a deep dive into the causes of and solutions for health inequities in the U.S. and abroad. Specifically, this certificate will prepare future healthcare providers (physicians, PAs, nurses, etc.) and public health officials to identify the social and structural determinants of health and wellbeing with the ultimate goal of working to dismantle the various barriers that contribute to poor health among stigmatized and underserved social groups. This certificate is flexible, allowing students to focus their studies on particular disparities across race/ethnicity, gender, class, and age.

Admission Requirements

Students must have completed 30 hours, with a GPA of 2.50 or higher at the time of admission

Core Course

- SOC 480 - Health Inequities Across the Life Course

One course in the category Social and Economic Determinants of Health from:

- SOC 340 - Global Health and Social Justice
- SOC 341 - Medical Sociology
- SOC 456 - Food in Society
- ANT 317 - Medical Anthropology
- ECO 504 - Health Care Economics

One course in the category Applying Cultural Consciousness in Healthcare Settings from:

Note: Students may choose to forgo selecting one course in Applying Cultural Consciousness in Healthcare Settings by choosing two courses in the Systems of Stratification category.

- COM 206 - Introduction to Health Communication
- SWK 599 - Health Literacy in the Human Services
- SPN 317 - Medical Spanish
- IPE 376 - Cultural Competence in Health Care
- IPE 377 - Global Issues in Health Services

One course in the category Systems of Stratification from:

- SOC 311 - Sociology of Sexuality
- SOC 336 - Race and Ethnicity
- SOC 337 - Sociology of Gender
- SOC 375 - Social Forces and Aging
- SOC 420 - Social Inequality

- ANT 304 - Biological Anthropology
- ANT 312 - Anthropology of Gender

Completion Requirements

- Attain a C grade or better in all courses used to fulfill the certificate requirements.
- At least two different course codes are required to complete this certificate

All candidates Must Satisfy the General University Certificate Requirements

Total Credit Hours: 12

Hispanic Studies Certificate

This certificate is designed for students who are interested in expanding their knowledge of Hispanic cultures through the study of film, literature, history, politics, and current events in Spain and Latin America. Upon completion of this certificate, students will be able to interact with native Spanish speakers in the United State sand abroad on topics of cultural interest, preparing them to have meaningful conversations and a more in-depth understanding of cultural issues in a variety of regions throughout the Spanish-speaking world.

Program requirements

- SPN 314 - Hispanic Contemporary Issues
- SPN 320 - Hispanic Cinema
- SPN 325 - Civilization of Spain

  OR
- SPN 326 - Civilization of Spanish America
- SPN 450 - Modern Peninsular Literature

  OR
- SPN 460 - Spanish American Literature

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Intercultural Communication Certificate

This certificate examines the dynamics of intercultural relationships and systems. The goal of the program is to illustrate how individuals operate within a cultural network and can become effective communicators. Intercultural communication also examines current theory and research on communication and culture, race, age, sexual orientation, gender, ethnicity, disability, and other diversity issues.

Program requirements

- COM 260 - Communicating with Cultural Competence

- COM 360 - Intercultural Communication Theory and Research

Six hours from:

- COM 307 - Gender and Communication
- COM 368 - Communicating Culture and Identity
- COM 390 - Communication and Aging
- COM 407 - Health Communication and Culture
- COM 412 - Communication and Diversity in the Workplace
- COM 468 - Ethnography in Communication Research
- COM 469 - Global Public Relations

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirement

Attain a GPA of 3.00 or higher for all courses used to fulfill the certificate requirements.

Interfaith Engagement Certificate

This certificate is jointly offered by the Department of Languages, Cultures and Religions and the Department of Communication, Media, Journalism and Film 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 Languages, Cultures and Religions.

Program Requirements

Required Core Courses

(select two courses with two different course codes - 6 hours):

- COM 205 - Interpersonal Communication Theory and Skills *

OR

- COM 260 - Communicating with Cultural Competence *
- REL 100 - Introduction to Religion *

OR

- REL 110 - World Religions *

One Course in Communication Skills:

- COM 205 - Interpersonal Communication Theory and Skills *
- COM 260 - Communicating with Cultural Competence *
- COM 326 - Effective Listening

- COM 332 - Small Group Communication
- COM 336 - Communication in Organizations
- COM 410 - Conflict and Communication
- COM 413 - Ethical Issues in Communication

One Course in Human Experience:

- REL 100 - Introduction to Religion *
- REL 332 - Modern Religious Thought
- REL 338 - Death, Dying, and Afterlife
- REL 346 - Sexuality and American Religion
- REL 347 - Suffering and Meaning
- REL 368 - Body and Health in American Religions
- REL 370 - Women and Religion
- REL 378 - Religion and Healing in Modern America
- PSY 533 - Psychological Issues in Religion

One Course in Religious Diversity:

- REL 110 - World Religions *
- REL 131 - Religion in America
- REL 330 - Judaism
- REL 340 - Christianity
- REL 342 - Catholicism
- REL 344 - New Religious Movements
- REL 350 - Islam
- REL 355 - Buddhism
- REL 357 - Religions of China and Japan
- REL 360 - Hinduism

Engaged Learning Experience (1 Hour):

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, contact the Director of the Undergraduate Certificate in Interfaith Engagement.

- REL 399 - Independent Study or another approved course

Note:

*Courses may only apply to one area of the certificate program.

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 16

Completion Requirement

Attain a GPA of 2.50 or higher in the courses used to complete the certificate requirements.

Intimacy, Sexuality, and Relationships Certificate

This certificate is designed to provide students with a comprehensive understanding of intimacy, sexuality, and relationships, including the social and cultural aspects of these topics. This program covers sexual identity and orientation, sexual behavior and communication, issues of gender and family, and the cultural and social factors that influence intimacy, sexuality, and relationships.

Students pursuing this certificate will learn about the latest research in sexuality, intimacy, and relationships. They will also have the opportunity to explore their own attitudes and values related to sexuality, intimacy, and relationships, and to develop a more nuanced and informed understanding of these complex and sensitive issues.

This program is ideal for students interested in pursuing careers in research, counseling, healthcare, education, social work, or other fields that involve working with individuals and communities in matters related to intimacy, sexuality, and relationships. It is also suitable for those who simply want to deepen their understanding of these topics for personal or professional reasons.

Upon completion of the program, students will have a strong foundation in the theory, research, and practical applications of intimacy, sexuality, and relationships, and will be well-equipped to engage in meaningful dialogue and advocacy related to these topics in their personal and professional lives.

Program Requirements

- SOC 311 - Sociology of Sexuality
- SOC 318 - Sociology of Intimate Relationships

One course from:

- SOC 315 - The Family
- PSY 366 - Families in Later Life
- COM 406 - Family Communication
- GER 366 - Families in Later Life
- PSY 307 - Human Sexuality

One course from:

- SOC 337 - Sociology of Gender
- PSY 354 - Gender and Sexuality in Later Life
- COM 307 - Gender and Communication
- GER 354 - Gender and Sexuality in Later Life
- PSY 357 - Psychology of Gender

All Candidates Must Satisfy the General University Certificate Requirements

Total Credit Hours: 12

Jazz Studies Certificate

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.

Program requirements

- MUS 174 - Jazz Ensemble
- MUS 219 - Jazz Improvisation I
- MUS 220 - Jazz Improvisation II
- MUS 347 - History of Jazz in American Culture
- MUS 372 - Small Ensemble
- MUS 374 - Jazz Ensemble

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirement

Attain a GPA of 3.00 or higher in courses used to fulfill the certificate requirements.

Legal and Argument Writing Certificate

This certificate is designed to provide study and practice in the principles and conventions of written argument and the writing skills and strategies specific to law and legal studies. This advanced understanding of written argument, including that related to the field of law and legal writing, will provide a foundation for the further study and practice of law, public affairs, social justice, business, communications and professional and technical writing. Students will complete core courses in writing for the law and legal professions and in argument writing. Students will enhance this core through electives specific to related fields.

Program requirements

- ENG 326 - Advanced Argument Writing

- ENG 532 - Writing in the Legal Profession

Two courses from:

- ENG 201 - Public Issues in Popular Culture
- ENG 205 - Creative Writing: Nonfiction
- ENG 222 - Writing for Social Change
- ENG 289 - Literature, Culture, and Social Justice
- ENG 310 - Writing II: Writing for Graduate and Professional Schools
- ENG 321 - Writing II: Beginning Technical Writing
- ENG 500 - Advanced Writing: Nonfiction
- ENG 525 - History of Rhetoric
- ENG 526 - Rhetorics for the 21st Century
- COM 350 - The Rhetorical Tradition and Contemporary Applications
- COM 466 - Social Movement Communication
- ECO 435 - The Economic Analysis of Law
- JRN 374 - Opinion Writing
- JRN 572 - Public Affairs Reporting
- LAW 341 - Legal Research and Writing
- PHI 340 - Philosophy of Law
- PLS 316 - Political Parties, Elections and Interest Groups
- PLS 317 - American Political Behavior
- PLS 419 - The Judicial Process

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Linguistics Certificate

This certificate is jointly offered by the Department of English and the Department of Languages, Cultures and Religions. This certificate provides a strong foundation for students in linguistics. It additionally qualifies students for advanced professional and/or postgraduate training in various areas, including but not limited to programs in sociolinguistics, anthropology, corpus linguistics, computational linguistics, forensic linguistics, artificial intelligence, and/or machine-learning. The certificate also provides scope for engaging in services in language consultancy, translation and editing, preservation programs for endangered languages, and/or teaching.

This certificate is administered by the Department of English.

Admission requirement

Six hours in a second or foreign language.

Program requirements

One course from:

- ANT 306 - Linguistic Anthropology
- ANT 380 - Language and Culture *
- CSD 209 - Basics of Linguistics for the Communication Sciences
- ENG 296 - Introduction to Linguistics
- FRN 324 - Topics in Francophone Linguistics
- SPN 324 - Introduction to Spanish Linguistics

Two courses in linguistics and/or language acquisition:

- CSD 312 - Normal Language Acquisition
- ENG 390 - Modern English Grammar
- ENG 491 - History of the English Language *
- ENG 590 - Grammatical Analysis
- ENG 593 - Studies in Linguistics
- ENG 595 - Principles of Second Language Acquisition
- FRN 524 - Advanced Topics in Francophone Linguistics
- FRN 590 - Advanced French Grammar
- SPN 524 - Advanced Topics in Hispanic Linguistics
- SPN 590 - Advanced Spanish Grammar
- PSY 523 - Psychology and Language

One course from:

- ANT 380 - Language and Culture *
- ENG 491 - History of the English Language *
- ENG 494 - Dialects of American English
- ENG 592 - Sociolinguistics for Language Teaching

Note:

*ANT 380 and ENG 491 cannot double-count in first category and/or in second category and also in third category.

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Medical Humanities Certificate

This certificate is jointly offered by the Department of Languages, Cultures and Religions and the Department of Sociology, Anthropology and Gerontology. 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 Languages, Cultures and Religions.

Program Requirements

Four Courses From the Following

but no more than two with the same course code:

- ANT 317 - Medical Anthropology
- ECO 504 - Health Care Economics
- ENG 563 - Literature and Medicine
- ENG 570 - Writing in the Health Professions
- GER 309 - Identity and Aging in Literature and Film

  OR
- PSY 309 - Identity and Aging in Literature and Film
- GER 363 - Death and Human Behavior

  OR
- PSY 363 - Death and Human Behavior
- GER 370 - Mental Health and Aging

  OR
- PSY 370 - Mental Health and Aging
- HST 529 - Plagues and Pandemics
- IPE 376 - Cultural Competence in Health Care
- IPE 377 - Global Issues in Health Services
- LLT 321 - Comparative Mythology
- PHI 313 - Bioethics
- PSY 533 - Psychological Issues in Religion
- REL 338 - Death, Dying, and Afterlife
- REL 347 - Suffering and Meaning
- REL 348 - Religion, Spirituality, and Health
- REL 358 - Yoga and Meditation
- REL 368 - Body and Health in American Religions
- REL 378 - Religion and Healing in Modern America
- SOC 340 - Global Health and Social Justice
- SOC 341 - Medical Sociology
- SOC 375 - Social Forces and Aging
- SPN 317 - Medical Spanish

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion Requirement

Attain a GPA of at least 2.50 or higher in courses used to complete the certificate requirements.

Mental Health and Spirituality Certificate

This certificate is jointly offered by the Department of Languages, Cultures and Religions and the School of Mental Health and Behavioral Sciences and provides an interdisciplinary study of the relationship between psychology and religion as it relates to

human development and human flourishing. The certificate will assist students to develop skills in understanding and working with issues related to the ways that individuals understand themselves in the context of mental and spiritual well being.

Research into holistic approaches to understanding individuals has recognized that mental health and spirituality can be interconnected. This has led researchers to explore how spirituality relates to mental health in fields such as psychology, psychiatry, counseling, nursing, and gerontology. This certificate is designed to expose students to research in the fields of psychology and religion to gain an awareness of the effects of spiritual reflection and practices on mental health and self-understanding. By bringing these fields into dialogue with each other, students will be able to integrate the respective insights from psychology and religion to their careers as psychologists, therapists, spiritual advisors, and other social service fields.

This certificate is administered by the Department of Languages, Cultures and Religions.

Program Requirements

Any Five Courses From the Following

but no more than three courses with the same course code or in the same department may be counted toward the certificate. Must include a minimum of six hours of REL coursework.

- PSY 304 - Abnormal Psychology
- PSY 307 - Human Sexuality
- PSY 357 - Psychology of Gender
- PSY 363 - Death and Human Behavior

  OR
- GER 363 - Death and Human Behavior
- PSY 370 - Mental Health and Aging

  OR
- GER 370 - Mental Health and Aging
- PSY 411 - Psychology of Diversity
- PSY 512 - Personality Theory and Systems
- PSY 525 - Motivation and Emotions
- PSY 533 - Psychological Issues in Religion
- REL 338 - Death, Dying, and Afterlife
- REL 344 - New Religious Movements
- REL 346 - Sexuality and American Religion
- REL 347 - Suffering and Meaning
- REL 348 - Religion, Spirituality, and Health
- REL 358 - Yoga and Meditation
- REL 370 - Women and Religion
- REL 378 - Religion and Healing in Modern America

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 15

Museum Studies Certificate

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.

Program requirements

- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
- MST 388 - The Museum: History and Perspectives
- MST 488 - Basic Conservation of Art and Artifacts

OR

MST 388 and any two of the following:

- MST 380 - Museum Collections Management
- MST 381 - Museum Exhibits
- MST 382 - Museum Programs

Internship

After the completion of at least two of the above three courses, students must complete MST 495. 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.

All candidates must satisfy the General University Certificate Requirements.

Total credit hours: 12

Program restrictions

The cross-listed courses ART 388/MST 388 and ART 488/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.

National Security and Strategic Studies Certificate

This certificate is jointly offered by the Department of Political Science and Philosophy and the School of Criminology and Criminal Justice. The certificate is designed to provide students interested in careers related to national security with a critical understanding of domestic and international security threats as well as the policies and practices aimed at strengthening national security. Students are exposed to a range of current issues from both national and global perspectives.

This certificate is administered by the Department of Political Science and Philosophy.

Admission Requirements

Completion of at least 60 hours and a GPA of 2.50 or higher.

Program Requirements

National Security Requirement:

- PLS 301 - U.S. National Security

OR

- PLS 320 - American Foreign Policy

Three Hours From Conflict Requirement:

- CRM 326 - Far-Right Terrorism and Violence in America
- CRM 327 - Far-Left Terrorism and Violence in America
- CRM 328 - Jihadist Terrorism and Violence in America
- HST 334 - Conflict and Peace Building in Africa
- HST 504 - Global Terrorism
- PLS 546 - Political Violence and Terrorism

Six Hours From:

- CRM 440 - Foundations of Homeland Defense and Security
- CRM 580 - Cybercrime
- PLS 443 - Nationalisms and Islamisms of the Middle East
- PLS 530 - Nonstate Actors in International Politics

All Candidates Must Satisfy the General University Certificate Requirements

Total Credit Hours: 15

Completion Requirement

Attain a GPA of 2.50 or higher in courses used to fulfill the certificate requirements.

Nonprofit Leadership Certificate

This certificate is jointly offered by the Department of Sociology, Anthropology and Gerontology, the Department of Communication, Media, Journalism and Film, and the School of Mental Health and Behavioral Sciences. This certificate prepares students for leadership in nonprofit organizations by equipping them to take management roles in these types of organizations and by learning about the nature of nonprofit organizations and essential skills for administering programs at nonprofit organizations. This certificate is essential for students who envision creating a nonprofit organization or plan to be involved in the development or supervision of community-based programs.

This certificate is administered by the Department of Sociology, Anthropology and Gerontology.

Program Requirements

One Course in Introduction to Nonprofit Organization From:

- SOC 430 - The Nonprofit Sector and Civil Society
- SWK 543 - Non-Profit Management in the Health and Human Services

One Course in Nonprofit Leadership From:

- COM 436 - Communication and Leadership
- PLS 255 - Public Administration
- SOC 492 - Leadership and Professional Development

Two Courses in Essential Skills in Nonprofit Leadership From:

- ACC 201 - Introduction to Financial Accounting
- COM 315 - Advanced Speaking in Professional Settings
- COM 336 - Communication in Organizations
- COM 466 - Social Movement Communication
- ENG 572 - Writing Grant Proposals
- GER 470 - Community Resources for Older Adults
- GER 480 - Policies and Older Adults
- SWK 595 - Grant Writing in the Health and Human Services

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Organizational Communication Certificate

This certificate focuses on the dynamics of communication in complex organizations. Its goal is to reveal how individuals within such organizations can become effective communicators. Whether this involves meetings or professional presentations, communicating during a crisis, intercultural exchanges, or diversity awareness, the message is consistent: effective communication is essential to career success in any organization.

Program requirements

- COM 332 - Small Group Communication
- COM 336 - Communication in Organizations
- COM 412 - Communication and Diversity in the Workplace
- COM 436 - Communication and Leadership

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirement

Attain a GPA of 3.00 or higher for courses used to fulfill the certificate requirements.

Practical Ethics Certificate

This certificate provides students with a foundation for thinking critically about ethical problems that they may encounter in the professions and in everyday life. Through coursework devoted to thinking about ethical problems, students will encounter various dimensions and perspectives on concrete ethical issues; by completing this certificate, students will gain foundational insight and critical skills necessary for navigating the world ethically as educated persons.

Program Requirements

- PHI 115 - Ethics and Contemporary Issues

Nine hours from:

- PHI 302 - Environmental Ethics
- PHI 313 - Bioethics
- PHI 332 - Data Ethics
- PHI 342 - Global Ethics
- KIN 286 - Ethics and Diversity in American Sport
- AGR 370 - Animal Welfare, Animal Rights, and the Ethics of Food Production

All Candidates Must Satisfy the General University Certificate Requirements

Total Credit Hours: 12

Press Politics Certificate

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

- COM 450 - Political Communication
- COM 452 - Communication Technology and Politics
- PLS 316 - Political Parties, Elections and Interest Groups

OR

- PLS 317 - American Political Behavior

Six hours from following in consultation with certificate advisor:

- COM 309 - Principles of Public Relations
- COM 379 - Writing for Public Relations
- JRN 270 - Introduction to Journalism
- JRN 478 - Mobile Journalism
- MED 580 - Media in Politics

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 15

Recording Arts Certificate

This certificate provides opportunities for music majors and non-music majors to pursue knowledge of recording arts in sound reinforcement, recording techniques, and sound design.

Program requirements

- MUS 100 - Music Fundamentals
- MUS 101 - Beginning Piano

OR

- MUS 137 - Piano Class I
- MUS 216 - Introduction to Audio Techniques
- MUS 316 - Advanced Audio Recording Techniques
- MUS 416 - Recording Arts Practicum

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirement

Attain a grade of C or better in all courses to advance in the certificate.

Religion and the Arts Certificate

This certificate is jointly offered by the Department of Languages, Cultures and Religions and the Department of Art and Design and provides an interdisciplinary study of the interrelationships between religion(s) and the arts broadly understood - visual arts, architecture, music, literature, theatre, and dance. The certificate will assist students in recognizing and understanding the religious allusions, themes, symbols, and characters they will inevitably encounter in various and diverse works of art. It will also facilitate greater awareness and appreciation of the aesthetic aspects of religion and spirituality.

In many of the world's religions, religious experiences and beliefs have found expression in artistic works, for example, in Sufi dancing, Christian morality and passion plays, Buddhist mandalas, Hindu statues of gods and goddesses, and the architecture of Jewish synagogues.

This certificate is designed to expose students to the history, holy texts, teachings, and rituals of major world religions and to sensitize them to the religious themes and allusions in the art of these traditions. Gaining a basic understanding of religious

traditions will enhance the cultural competence of students in enabling them to appreciate religious persons and communities, both past and present, and how their beliefs have shaped and continue to shape their art.

This certificate is administered by the Department of Languages, Cultures and Religions.

Program requirements

Six hours from Religion:

- REL 319 - The Bible and Film
- REL 320 - Jesus of Nazareth
- REL 321 - Paul
- REL 323 - Apocalypses
- REL 330 - Judaism
- REL 340 - Christianity
- REL 341 - C. S. Lewis
- REL 342 - Catholicism
- REL 345 - African American Religious Experience
- REL 346 - Sexuality and American Religion
- REL 347 - Suffering and Meaning
- REL 350 - Islam
- REL 355 - Buddhism
- REL 357 - Religions of China and Japan
- REL 360 - Hinduism
- REL 570 - Archaeology and the Bible

Six hours from the Arts:

- ART 271 - History of Western Art I
- ART 272 - History of Western Art II
- ART 273 - Survey of the Art of Africa, Oceania, and the Americas
- ART 274 - Survey of Asian Art
- ART 471 - Islamic Art
- ART 472 - Medieval Art
- ART 475 - Art of the Renaissance
- ART 478 - Baroque Art
- ENG 340 - Survey of English Literature I
- ENG 350 - Survey of American Literature I
- FRN 326 - Culture Populaire
- FRN 335 - Les Beaux-Arts du monde francophone
- FRN 381 - French Literature from the Middle Ages through the Enlightenment
- FRN 382 - Literature of the French-speaking World from the 19th Century to the Present
- GRM 325 - Kulturkunde der deutschsprachigen Lander
- GRM 475 - Topics in German(ic) Literature and Culture
- GRM 485 - Thematic Approaches to German Literature
- MED 374 - History of Film I
- MED 375 - History of Film II
- MUS 345 - Music in Western Culture and Society I
- MUS 543 - Music of the Renaissance

- THE 323 - Devised Theatre Performance (with permission of instructor)
- THE 541 - Theatre History I
- THE 547 - Development of American Theatre

No more than two courses with the same course code may be counted toward the certificate.

Total credit hours: 12

Completion requirement

Attain a GPA of 2.50 or higher for all courses used to fulfill the certificate requirements.

Science Writing Certificate

This certificate is designed to improve writing and editing skills necessary for careers in the sciences and engineering.

Program requirements

- ENG 321 - Writing II: Beginning Technical Writing
- ENG 487 - Analysis of Scientific Literature

Two courses from:

- ENG 310 - Writing II: Writing for Graduate and Professional Schools
- ENG 377 - Professional Editing
- ENG 421 - Advanced Technical Writing
- ENG 570 - Writing in the Health Professions

Total credit hours: 12

All candidates must satisfy the General University Certificate Requirements.

Social Justice and Activism Certificate

This certificate provides the coursework to broaden the student's experience of advocacy in the context of social movements. The courses provide the student with the background to develop and refine persuasive strategies to identify and adapt to audiences and thus enable social movement success at the undergraduate level.

Program requirements

- COM 260 - Communicating with Cultural Competence
- COM 315 - Advanced Speaking in Professional Settings

- COM 466 - Social Movement Communication

Three hours from the following in consultation with certificate advisor:

- COM 322 - Introduction to Argumentation
- COM 328 - Persuasion
- COM 397 - Topics in Communication
- COM 450 - Political Communication
- COM 496 - Independent Study in Communication
- COM 509 - Communication Campaigns
- SOC 384 - Social Movements

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirement

Attain a GPA of 3.00 or higher in all courses used to fulfill the certificate requirements.

Social Science Research Certificate

This certificate is designed to give students comprehensive training in conducting social science research. It provides students in a variety of social science disciplines an opportunity for a research-oriented focus as part of their major or minor coursework, while at the same time providing the opportunity to choose from a wide variety of disciplines to study a particular methodology. This certificate provides tangible skills for the work environment and is excellent preparation for students considering graduate school in the social sciences.

Admission requirements

Students must have completed 30 hours, attain a GPA of 2.50 or higher, and have a letter of commitment from a faculty member who will supervise the directed reading and independent research courses.

Program Requirements

One Course in General Research Methods:

- COM 210 - Communication Research Methods
- PLN 367 - Planning Methods
- SOC 301 - Research Methodology

One Course in Specialized Research Methods:

- ANT 351 - Field Archaeology
- ANT 361 - Research Methods in Biological Anthropology

- ANT 499 - Internship in Anthropology *
- ANT 505 - Ethnohistory
- ANT 511 - Ethnographic Field Methods
- ANT 550 - Advanced Methods in Archaeology
- COM 459 - Social Media Analytics for Public Relations
- COM 468 - Ethnography in Communication Research
- ECO 409 - Applied Econometrics
- GEO 363 - Introduction to Geographic Information Science
- PLN 505 - Social Planning
- PLN 572 - Community Planning Practicum
- PLS 573 - Policy Analysis
- PLS 576 - Quantitative Methods of Political Science and Public Policy
- SOC 450 - Population, Society, and Public Policy
- SOC 403 - Special Topics in Social Research
- UHC 397 - Honors Colloquia **

* when applicable - Ethnographic Field School
** when applicable - Research methods topic

One Directed Readings Course:

Students will complete a literature review and research proposal.

- ANT 596 - Directed Readings in Anthropology
- COM 496 - Independent Study in Communication
- ECO 396 - Directed Readings in Economics
- GRY 496 - Readings in Geography
- PLN 596 - Research in Planning ***
- PLS 496 - Independent Study in Political Science
- SOC 596 - Directed Readings in Sociology
- UHC 396 - Honors Independent Study

*** PLN 596 may be repeated for up to 6 credit hours.

One Independent Research Project:

Students will collect and analyze data and complete the research paper.

- ANT 599 - Directed Research in Anthropology
- ECO 599 - Directed Research in Economics
- GRY 495 - Undergraduate Research in Geography
- PLN 596 - Research in Planning ***
- SOC 599 - Sociological Research
- UHC 398 - Honors Undergraduate Research
- UHC 499 - Honors Distinction Project

*** PLN 596 may be repeated for up to 6 credit hours.

All Candidates Must Satisfy the General University Certificate Requirements

Total Credit Hours: 11-13

Completion Requirement

Attain a GPA of 2.50 or higher for all courses used to fulfill the certificate requirements.

Spanish for the Professions Certificate

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 global world.

Program requirements

- SPN 316 - Spanish for the Professions
- SPN 317 - Medical Spanish
- SPN 318 - Spanish for Law Enforcement

- SPN 410 - Translation

OR

- SPN 411 - Introduction to Interpreting

- SPN 415 - Business Spanish

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 15

Spanish Translation and Interpreting Certificate

This certificate is designed for students who wish to gain competence in Spanish/English and English/Spanish translation and interpreting. Students will be exposed to translation/interpreting theory and terminology, and all the necessary skills to allow them to advance in a career as a translator or interpreter. In addition, students will practice translating and interpreting medical, community, business or legal content from Spanish to English and English to Spanish.

Program Requirements

- LCR 310 - Introduction to Translation and Interpreting
- SPN 410 - Translation
- SPN 411 - Introduction to Interpreting

One course from:

- SPN 317 - Medical Spanish
- SPN 318 - Spanish for Law Enforcement
- SPN 415 - Business Spanish

Completion Requirement

Attain a GPA of 2.50 or higher in the courses taken to complete the certificate requirements

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Strategic Communication and Digital Literacy Certificate

This certificate is a cutting-edge program in how to address the changing nature of communication for future professionals. Our technologically driven society has changed the way people engage - new concepts like "dis-information", "alternative facts", and "fake news" are now obstacles to the search for objectivity. Strategic communication requires knowledge in how to present consistent, ethical information and facts within and between organizations. Students will face situations where some communication techniques fail because parties to a discussion believe their opinion is "truth" and are unwilling to deviate. This program will help students understand and process how to effectively, ethically communicate in an age of information overload, new technologies, and rising polarization.

Program requirements

Required core:

- COM 322 - Introduction to Argumentation
- COM 413 - Ethical Issues in Communication

Six hours from:

- COM 309 - Principles of Public Relations
- COM 328 - Persuasion
- COM 336 - Communication in Organizations
- COM 459 - Social Media Analytics for Public Relations

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirement

Attain a GPA of 3.00 or higher in courses used to fulfill the certificate requirements.

The Arts and Literatures of the Francophone World Certificate

This certificate is designed to give students foundational knowledge on the arts and literatures in the Francophone world. It includes courses in Francophone civilization, Francophone literature from a variety of genres, and Francophone cinema.

Program requirements

Four courses from:

- FRN 326 - Culture Populaire
- FRN 335 - Les Beaux-Arts du monde francophone
- FRN 381 - French Literature from the Middle Ages through the Enlightenment
- FRN 382 - Literature of the French-speaking World from the 19th Century to the Present
- FRN 412 - Le Cinema francophone
- FRN 495 - Advanced Undergraduate Seminar in French

All candidates must satisfy the General University Certificate Requirements.

Total credit hours: 12

Victim Advocacy Certificate

This certificate is designed to provide students with an understanding of the needs and experiences of crime victims, as well as the profession of victim advocacy. Course options will allow students to explore theories and services related to victimization and advocacy, as well as develop important skills associated with victim services work, such as communication, listening, cultural competency, and self-care.

Program Requirements

- CRM 210 - Introduction to the American Criminal Justice System
- CRM 342 - Victim Advocacy
- CRM 445 - Victimology

Nine Additional Hours From:

- COM 205 - Interpersonal Communication Theory and Skills
- COM 260 - Communicating with Cultural Competence
- COM 326 - Effective Listening
- CRM 315 - College Campus Crime
- CRM 319 - Queer Criminology
- CRM 321 - Disability in the American Criminal Justice System
- CRM 325 - Domestic Violence
- CRM 343 - Trauma-Informed Care in Criminal Justice
- CRM 356 - Conflict, Communication, and Stress in Criminal Justice Professions
- CRM 376 - Restorative Justice
- CRM 490 - Internship in Criminology *
- SWK 370 - Child Welfare Services

* Students wishing to apply CRM 490 credit to this certificate must obtain permission from the director of the School of Criminology and Criminal Justice prior to enrolling to ensure that the internship placement is applicable to victim advocacy.

All Candidates Must Satisfy the General University Certificate Requirements

Total Credit Hours: 18

Video Production Certificate

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

- MED 385 - Client-Based Video Production
- MED 466 - Editing for Film and Television

Three hours from:

- MED 345 - Fundamentals of Media Production
- MED 365 - Digital Film and Media Production
- JRN 388 - Electronic News Gathering

Three hours from:

With departmental approval, students may apply MED 300 or MED 597 toward this requirement.

- MED 462 - TV/Film Producing
- MED 512 - Documentary Film Practicum
- MED 582 - Producing the Feature Film

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Workplace Writing Certificate

This certificate is designed for students who are interested in strengthening their writing skills and ability to analyze audiences and communicate complex information.

Program requirements

- ENG 321 - Writing II: Beginning Technical Writing

- ENG 373 - Writing with Technology
- ENG 377 - Professional Editing
- ENG 421 - Advanced Technical Writing

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Writing for Television and Film Certificate

This certificate is designed to teach students the screen writing 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.

Program requirements

- MED 360 - Beginning Screenwriting
- MED 565 - Intermediate Screenwriting
- MED 566 - Writing for Television

One course from:

- MED 569 - Advanced Screenwriting
- MED 593 - Rewriting Features and Pilots

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

McQueary College of Health and Human Services

Academic Units

Schools

- School of Anesthesia
- School of Mental and Behavioral Health
- School of Nursing

Departments

- Department of Biomedical Sciences
- Department of Communication Sciences and Disorders
- Department of Kinesiology

- Department of Occupational Therapy
- Department of Physical Therapy
- Department of Physician Assistant Studies
- Department of Public Health and Sports Medicine

Centers/Clinics

- Learning Diagnostic Clinic
- MSUCare
- Physical Therapy Clinic
- RStats Institute
- Speech-Language-Hearing Clinic

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Majors

Biomedical Sciences (Comprehensive) (BS)

Bachelor of Science

The comprehensive major in Biomedical Sciences, is a rigorous and selective program in the sciences that prepares academically-serious students for:

- Graduate work in cell biology or molecular biology,
- 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,
- Professional schools of medicine, dentistry, optometry, physical therapy, occupational therapy, nursing or other health-related professions and,
- 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 Biomedical Sciences advisor in the School of Health Sciences early during their freshman year.

Admission Requirements

Formal admission to the Biomedical Sciences major requires:

- Completion of at least 25 hours of course work, including BMS 110, BMS 111, BMS 231, and CHM 160 and CHM 161.
- A cumulative and science GPA of 2.50 or higher.
- A grade of "C" or better in all specific general education requirements (item 1 below), all required BMS core courses (item 3 below), and all requirements from other Academic Areas (item 4 below).
- A grade of "C" or better must be obtained in a prerequisite course prior to taking a sequential course.
- In the terminal semester, student is required to take a comprehensive assessment examination.

Major requirements

Core requirements

Specific General Education requirements:

- BMS 110 - Introduction to Human Biology
- BMS 111 - Introduction to Human Biology Laboratory
- PHY 123 - Introduction to Physics I

OR

- PHY 203 - Foundations of Physics I

one course from

- MTH 136 - Precalculus 1
- MTH 137 - Precalculus 2
- MTH 138 - Pre-Calculus Mathematics
- MTH 261 - Analytic Geometry and Calculus I
- MTH 287 - Computational Calculus with Analytic Geometry I

Preferred General Education requirements:

- PSY 121 - Introductory Psychology
- SOC 150 - Introduction to Society

Biomedical Sciences courses:

- BMS 231 - Human Genetics with Laboratory
- BMS 494 - Senior Seminar
- DTN 240 - Introduction to Nutrition

Required courses from other Academic Areas:

- CHM 160 - General Chemistry I
- CHM 161 - General Chemistry I Laboratory
- CHM 170 - General Chemistry II
- CHM 171 - General Chemistry II Laboratory
- IPE 381 - Statistics for the Health Professions

OR

- PSY 200 - Psychological Statistical Methods

OR

- SOC 220 - Statistics for Social Research
- LLT 102 - Scientific and Medical Terminology

OR

- BMS 298 - Introduction to Biomedical Research

OR

- CSD 351 - Medical Terminology for Communication Sciences and Disorders

- PHY 124 - Introduction to Physics II

OR

- PHY 204 - Foundations of Physics II

Public Affairs Capstone Experience will be fulfilled by completion of:

- BMS 494 - Senior Seminar

and any combination of the following courses equaling three total hours:

- BMS 300 - Service-Learning in Biomedical Sciences
- BMS 380 - Cooperative Education in Biomedical Sciences
- BMS 400 - International Service-Learning
- BMS 460 - Biology of HIV/AIDS
- BMS 490 - Peer Instruction in Biomedical Sciences

Total Credit Hours: 44-50

Complete one of the following options:

Anatomy and Physiology option (39 hours)

- BMS 307 - Human Anatomy
- BMS 321 - Biomolecular Interactions
- BMS 442 - Physiology of the Human Cell
- BMS 542 - Physiology of Human Organ Systems
- BMS 562 - Medical Physiology Laboratory
- CHM 342 - Organic Chemistry I
- CHM 343 - Organic Chemistry II
- CHM 345 - Microscale Organic Chemistry Laboratory

16 hours of electives from:

Other electives may be selected with advisor approval. At least 10 of these elective hours must carry a BMS course code.

- BMS 317 - Medical Microbiology
- BMS 417 - Anatomy of Injury and Disease
- BMS 450 - Clinical Biomechanics
- BMS 498 - Undergraduate Research (up to 4 hours)
- BMS 500 - Special Topics in Biomedical Sciences II
- BMS 507 - Advanced Human Anatomy Laboratory
- BMS 521 - Molecular Cell Biology
- BMS 524 - Virology
- BMS 525 - Molecular Biology
- BMS 530 - Cell Biology of Cancer
- BMS 535 - Signal Transduction
- BMS 540 - Biotechnology
- BMS 558 - Recombinant DNA and Protein Techniques
- BMS 561 - Medical and Pathologic Physiology
- BMS 565 - Human Cardiopulmonary Physiology
- BMS 567 - Physiology of Exercise Metabolism
- BMS 569 - Neurobiology
- BMS 570 - Principles of Pharmacology
- BMS 573 - Endocrine Physiology
- BMS 582 - Embryology
- BMS 585 - Histology
- BIO 312 - Microbiology
- BIO 313 - Microbiology Laboratory

Cell and Molecular Biology option (39 hours):

- BMS 321 - Biomolecular Interactions
- BMS 521 - Molecular Cell Biology
- BMS 525 - Molecular Biology
- CHM 342 - Organic Chemistry I
- CHM 343 - Organic Chemistry II
- CHM 345 - Microscale Organic Chemistry Laboratory

19 hours of electives from:

Other electives may be selected with advisor approval. At least 13 of these elective hours must carry a BMS course code.

- BMS 307 - Human Anatomy
- BMS 308 - Human Physiology
- BMS 317 - Medical Microbiology
- BMS 417 - Anatomy of Injury and Disease
- BMS 442 - Physiology of the Human Cell
- BMS 450 - Clinical Biomechanics
- BMS 498 - Undergraduate Research (up to 4 hours)
- BMS 500 - Special Topics in Biomedical Sciences II
- BMS 507 - Advanced Human Anatomy Laboratory
- BMS 524 - Virology
- BMS 530 - Cell Biology of Cancer
- BMS 535 - Signal Transduction
- BMS 540 - Biotechnology
- BMS 542 - Physiology of Human Organ Systems
- BMS 558 - Recombinant DNA and Protein Techniques
- BMS 561 - Medical and Pathologic Physiology
- BMS 565 - Human Cardiopulmonary Physiology
- BMS 567 - Physiology of Exercise Metabolism
- BMS 569 - Neurobiology
- BMS 570 - Principles of Pharmacology
- BMS 573 - Endocrine Physiology
- BMS 582 - Embryology
- BMS 585 - Histology
- BIO 312 - Microbiology
- BIO 313 - Microbiology Laboratory

Human Health Sciences option (36-38 hours):

- BMS 307 - Human Anatomy
- BMS 308 - Human Physiology
- BMS 450 - Clinical Biomechanics

OR

- BIO 312 - Microbiology **AND** *
- BIO 313 - Microbiology Laboratory *
- CFD 155 - Principles of Human Development
- IPE 375 - Introduction to Interprofessional Health Care
- PSY 304 - Abnormal Psychology

16 hours of electives from:

Other electives may be selected with advisor approval. At least 10 of these elective hours must carry a BMS course code.

- BMS 321 - Biomolecular Interactions
- BMS 450 - Clinical Biomechanics
- BMS 498 - Undergraduate Research (up to 4 hours)
- BMS 500 - Special Topics in Biomedical Sciences II
- BMS 507 - Advanced Human Anatomy Laboratory
- BMS 521 - Molecular Cell Biology
- BMS 524 - Virology
- BMS 525 - Molecular Biology

- BMS 530 - Cell Biology of Cancer
- BMS 535 - Signal Transduction
- BMS 540 - Biotechnology
- BMS 558 - Recombinant DNA and Protein Techniques
- BMS 561 - Medical and Pathologic Physiology
- BMS 565 - Human Cardiopulmonary Physiology
- BMS 567 - Physiology of Exercise Metabolism
- BMS 569 - Neurobiology
- BMS 570 - Principles of Pharmacology
- BMS 573 - Endocrine Physiology
- BMS 582 - Embryology
- BMS 585 - Histology
- BIO 312 - Microbiology *
- BIO 313 - Microbiology Laboratory *
- CHM 201 - Essentials of Organic Chemistry
- CHM 202 - Essentials of Organic Chemistry Laboratory
- DTN 334 - Introduction to Nutrition Assessment and Sports Nutrition
- DTN 430 - Sports Nutrition
- DTN 532 - Human Nutrition and Metabolism
- PSY 331 - Psychology of Childhood
- PSY 363 - Death and Human Behavior
- PSY 370 - Mental Health and Aging

Capstone Experience.

- BMS 380 - Cooperative Education in Biomedical Sciences is preferred for the Capstone Experience.

Note:

* Credit may only be used to satisfy one requirement.

Total Credit Hours: 80-89

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Accelerated graduate program in Biomedical Sciences

Eligible students in this major may apply to the Master of Science in Biomedical Sciences program. Refer to the Graduate Catalog for more information. Refer to Undergraduate Students Taking Graduate Classes for additional information and procedures for obtaining permission for Mixed Credit.

Clinical Laboratory Sciences-Medical Technology (Comprehensive) (BS)

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.

Major requirements

- BMS 231 - Human Genetics with Laboratory
  OR
- BIO 235 - Genetics **AND**
- BIO 236 - Genetics Laboratory
- BMS 307 - Human Anatomy
- BMS 308 - Human Physiology
- BIO 312 - Microbiology
- BIO 313 - Microbiology Laboratory
- BIO 511 - Immunology
- CHM 160 - General Chemistry I
- CHM 161 - General Chemistry I Laboratory
- CHM 170 - General Chemistry II
- CHM 171 - General Chemistry II Laboratory
- CHM 201 - Essentials of Organic Chemistry **AND**
- CHM 202 - Essentials of Organic Chemistry Laboratory
  OR
- CHM 342 - Organic Chemistry I **AND**
- CHM 345 - Microscale Organic Chemistry Laboratory
- BMS 321 - Biomolecular Interactions
  OR
- CHM 352 - Introduction to Biochemistry **AND**
- CHM 353 - Introduction to Biochemistry Laboratory

Specific General Education requirement:

- BIO 121 - General Biology I
  OR
- BMS 110 - Introduction to Human Biology **AND**
- BMS 111 - Introduction to Human Biology Laboratory

Statistics course:

- BIO 550 - Statistical Methods for Biologists
  OR
- MTH 340 - Statistical Methods
  OR
- PSY 200 - Psychological Statistical Methods
  OR
- QBA 237 - Basic Business Statistics
  OR
- SOC 220 - Statistics for Social Research or equivalent.

Complete one of the following emphases:

Microbiology Emphasis:

- BIO 520 - Pathogenic Microbiology
- BMS 524 - Virology

Molecular Diagnostics Emphasis:

- BMS 321 - Biomolecular Interactions Note: BMS 321 may also count as one of the required science courses.
- BMS 521 - Molecular Cell Biology
- BMS 525 - Molecular Biology

Management Emphasis:

- MGT 286 - Business Communication and Professional Development
- MGT 340 - Principles of Management

One additional course:

With advisor approval, choose at least one additional course from the following that is not taken in the required courses or emphasis:

- BMS 321 - Biomolecular Interactions
- BIO 520 - Pathogenic Microbiology
- BMS 521 - Molecular Cell Biology
- BMS 524 - Virology

- CHM 302 - Introduction to Analytical Chemistry

OR

- CHM 352 - Introduction to Biochemistry **AND**
- CHM 353 - Introduction to Biochemistry Laboratory

- MGT 286 - Business Communication and Professional Development
- MGT 340 - Principles of Management

Clinical Course Requirements:

- MTC 401 - Clinical Chemistry
- MTC 402 - Clinical Microscopy-Urinalysis
- MTC 403 - Hematology-Coagulation
- MTC 404 - Serology-Immunology
- MTC 405 - Clinical Microbiology
- MTC 406 - Blood Bank-Immunohematology
- MTC 407 - Special Topics in Medical Technology-Education and Management

Public Affairs Capstone Experience

will be fulfilled by completion of any combination of the following courses equaling 3 total hours:

- BMS 300 - Service-Learning in Biomedical Sciences
- BIO 300 - Service-Learning in Biology
- CHM 300 - Service-Learning in Chemistry
- BMS 380 - Cooperative Education in Biomedical Sciences
- BMS 400 - International Service-Learning
- BMS 460 - Biology of HIV/AIDS

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Communication Sciences and Disorders (Comprehensive) (BS)

Admission Requirements

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.

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 than 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.

Chemistry and/or Physics*

Students pursuing the accelerated Doctor of Audiology

degree must complete a chemistry course and a physics course selected from

- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory

OR

- CHM 160 - General Chemistry I **AND**
- CHM 161 - General Chemistry I Laboratory

- PHY 100 - Survey of Physics with Laboratory

OR

- PHY 124 - Introduction to Physics II

OR

- PHY 203 - Foundations of Physics I

All other students select one course from:

A higher level CHM or PHY courses may be considered.

- CHM 107 - Chemistry for the Citizen
- CHM 116 - Fundamentals of Chemistry
- CHM 160 - General Chemistry I
- PHY 100 - Survey of Physics with Laboratory
- PHY 123 - Introduction to Physics I
- PHY 203 - Foundations of Physics I

Biology*

Students pursuing the accelerated Doctor of Audiology degree

must complete

- BIO 121 - General Biology I

OR

- BMS 110 - Introduction to Human Biology **AND**
- BMS 111 - Introduction to Human Biology Laboratory

College level mathematics course:

MTH 134, MTH 136, MTH 138, MTH 261, or MTH 287. Higher level MTH courses may be considered.

Major 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 course. This major does not require completion of a minor. Students should consult with their advisor to determine which program option is best for them.

Major core

- CSD 210 - Phonetics
- CSD 312 - Normal Language Acquisition
- CSD 315 - Language Disorders in Children
- CSD 318 - Introduction to Speech Sound Disorders
- CSD 319 - Anatomy and Physiology of Speech
- CSD 350 - Foundations of Communication Sciences and Disorders
- CSD 360 - Hearing and Speech Science
- CSD 370 - Audiology
- CSD 388 - Cultural and Linguistic Diversity
- CSD 400 - Introduction to Research in Communication Sciences and Disorders
- CSD 495 - Observation Clinical Practicum I
- CSD 496 - Observation Clinical Practicum II
- CSD 522 - Neural Bases of Human Communication
- CSD 572 - Aural Rehabilitation
- PSY 121 - Introductory Psychology

- ENG 296 - Introduction to Linguistics
  OR
- CSD 209 - Basics of Linguistics for the Communication Sciences

One course from:

- PSY 200 - Psychological Statistical Methods
- QBA 237 - Basic Business Statistics
- IPE 381 - Statistics for the Health Professions
- SOC 220 - Statistics for Social Research
- MTH 340 - Statistical Methods
- AGR 330 - Statistical Applications in Agriculture
- SPR 328 - Statistical Applications in Sport and Recreation Administration

Public Affairs Capstone Experience will be fulfilled by completion of:

- CSD 572 - Aural Rehabilitation

Complete one the following options:

Audiology option (20 hours):

- SPE 301 - Conceptually Accurate Signed English I
  OR

- SPE 311 - Introduction to American Sign Language (ASL)

- CSD 351 - Medical Terminology for Communication Sciences and Disorders

For students pursuing the accelerated Doctor of Audiology degree

CSD 496 will be repeated for a total of 4 hours. Additionally, the core requirements of ENG 296 or CSD 209 will be waived; CSD 807(3), 849(3), 852(3), and 878(3) will betaken 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.

Speech-Language Pathology option (9 hours):

- CSD 316 - Introduction to Language and Cognitive-Linguistic Disorders in Adults
- CSD 417 - Clinical Assessment and Intervention of Voice, Speech and Swallowing Disorders
- CSD 482 - Introduction to Clinical Methods

GPA and grade requirements:

- All students must attain a cumulative GPA of at least 3.00 in the CSD major to graduate from the program.
- CSD courses cannot be taken on a Pass/Not basis.
- Courses in the major cannot be taken more than twice.

Total Credit Hours: 52-55

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Esports Studies (Non-Comprehensive) (BS)

Major Requirements

Note: Six hours may double count toward General Education requirements.

- KIN 203 - Introduction to Esports
- KIN 306 - Genres in Gaming
- KIN 307 - Theory and Application of Esports
- KIN 412 - Organization and Administration of Esports
- KIN 485 - Psychology of Sport and Physical Activity
- KIN 488 - Capstone in Esports

- ART 301 - Introduction to Video Game Design
  OR
- CSC 301 - Introduction to Video Game Design

- CSC 130 - The World of Computer Science
- ENT 301 - Principles of Entrepreneurship
- ENT 302 - Creativity, Innovation, and Ideation
- MGT 310 - Introduction to the Entertainment Industry
- MGT 340 - Principles of Management
- MGT 408 - Sponsorships in Entertainment and Sport
- MGT 413 - Managing the Sport Enterprise
- MKT 350 - Principles of Marketing
- MKT 351 - Consumer Behavior
- SPR 305 - Meeting Planning and Event Planning

Specific General Education Requirements:

- KIN 286 - Ethics and Diversity in American Sport
- PSY 121 - Introductory Psychology

Public Affairs Capstone Experience will be fulfilled by completion of:

- KIN 488 - Capstone in Esports

Minor Required or Second Major

Total Credit Hours: 55

University Level Requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Policies & Requirements

Exercise Science (Comprehensive) (BS)

Admission requirements

Satisfaction of the following minimum criteria is required for admission to the program:

- A combined (Missouri State and transfer) GPA of 2.50 or higher.
- Completion of KIN 212 and KIN 210 with a grade of "C" or higher.
- Completion of at least 30 credit hours.

Major requirements

Note: 15 hours may be double counted toward General Education requirements.

Major core (58 hours):

- BIO 101 - Biology in Your World **AND**
- BIO 111 - Laboratory for Biology in Your World

OR

- BIO 121 - General Biology I

OR

- BMS 110 - Introduction to Human Biology **AND**
- BMS 111 - Introduction to Human Biology Laboratory
- KIN 250 - Applied Human Anatomy

OR

- BMS 307 - Human Anatomy
- KIN 252 - Applied Human Physiology

OR

- BMS 308 - Human Physiology
- KIN 212 - Introduction to Exercise Science
- KIN 360 - Human Movement Analysis and Biomechanics
- KIN 361 - Principles of Motor Learning and Development
- KIN 362 - Exercise Physiology
- KIN 465 - Strength and Conditioning
- KIN 468 - Adapted Physical Education
- KIN 485 - Psychology of Sport and Physical Activity
- KIN 569 - Health Appraisal and Exercise Testing Techniques
- DTN 240 - Introduction to Nutrition
- IPE 381 - Statistics for the Health Professions

OR

- PSY 200 - Psychological Statistical Methods

OR

- SOC 220 - Statistics for Social Research

OR

- MTH 340 - Statistical Methods

OR

- QBA 237 - Basic Business Statistics

OR

- AGR 330 - Statistical Applications in Agriculture

OR

- PSY 527 - Advanced Psychological Statistical Methods

- 3 hours of KIN 491 - Field Experience

Specific General Education requirements:

- BIO 101 - Biology in Your World **AND**
- BIO 111 - Laboratory for Biology in Your World

OR

- BIO 121 - General Biology I

OR

- BMS 110 - Introduction to Human Biology **AND**
- BMS 111 - Introduction to Human Biology Laboratory

- PSY 121 - Introductory Psychology
- KIN 210 - Healthy Lifestyles: Preventive Approaches

for Health Studies option

- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory

OR

- CHM 160 - General Chemistry I **AND**
- CHM 161 - General Chemistry I Laboratory

for Pre-Professional option

- CHM 160 - General Chemistry I **AND**
- CHM 161 - General Chemistry I Laboratory

Public Affairs Capstone Experience will be fulfilled by completion of:

- KIN 491 - Field Experience

Complete one of the following options:

Health Studies option (23 hours):

- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory

OR

- CHM 160 - General Chemistry I **AND**
- CHM 161 - General Chemistry I Laboratory

- PSY 304 - Abnormal Psychology

OR

- PSY 508 - Introduction to Applied Behavior Analysis

- KIN 350 - Health and Wellness Promotion
- KIN 550 - Organization and Administration for Kinesiology Professionals
- KIN 567 - Physical Activities for the Aging Adult
- DTN 334 - Introduction to Nutrition Assessment and Sports Nutrition
- KIN or SPR elective (3 hours)

Pre-Professional option (28-31 hours):

- MTH 137 - Precalculus 2 or higher
- PHY 123 - Introduction to Physics I
- CHM 160 - General Chemistry I
- CHM 161 - General Chemistry I Laboratory
- CHM 170 - General Chemistry II
- CHM 171 - General Chemistry II Laboratory

- BIO 122 - General Biology II

OR

- BIO 212 - Elements of Microbiology **AND**

- BIO 213 - Elements of Microbiology Laboratory

OR

- BIO 312 - Microbiology **AND**
- BIO 313 - Microbiology Laboratory
- BMS 230 - Human Genetics

OR

- BIO 235 - Genetics **AND**
- BIO 236 - Genetics Laboratory

OR

- PHY 124 - Introduction to Physics II
- ATC 413 - Informatics and Terminology in Healthcare

OR

- IPE 413 - Informatics and Terminology in Healthcare

- PSY 304 - Abnormal Psychology

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 and CHM 171, and both CHM 352 and CHM 353. Students preparing for clinical science should take BMS 307 and BMS 308 for the anatomy and physiology requirement.

Additional Requirements:

- Additional electives to total 120 hours.
- Transfer credit courses must have grade of "C" or better and be from a regionally accredited college or university.
- 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.

Total Credit Hours: 81-87

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Health Services (Comprehensive) (BS)

The comprehensive major in Health Services is an interdisciplinary program designed to:

- Provide allied health professionals who have associate degrees or certificates with opportunities for professional growth, preparation for leadership positions, and career advancement
- Provide a foundation for those who plan to enter the workforce as a non-clinical healthcare professional
- Provide a foundation for those who wish to progress into non-clinical graduate programs

Admission Requirements

Formal admission to the Health Services major requires:

- 30 hours of coursework.
- Completion of IPE 375 with a grade of "C" or better.
- A combined (Missouri State University and transfer) GPA of 2.75 or higher.

Major requirements

Major core (33 hours):

Specific General Education requirement:

- PSY 121 - Introductory Psychology

Interprofessional Leadership Core (30 hours):

- IPE 375 - Introduction to Interprofessional Health Care
- IPE 378 - Healthcare Quality Management
- IPE 381 - Statistics for the Health Professions
- IPE 382 - Introduction to Health Insurance and Managed Care
- IPE 413 - Informatics and Terminology in Healthcare
- IPE 470 - Foundations of Patient Safety for Health Professionals
- IPE 475 - Evidence-Based Health Care Practice
- IPE 575 - Collaborative Health Care Leadership
- IPE 576 - Professional Issues in Health Services
- HCM 301 - Health Care Organization

  OR
- HCM 303 - Health Care Legal Issues

Public Affairs Capstone Experience will be fulfilled by completion of:

- IPE 575 - Collaborative Health Care Leadership

Complete one of the following options:

Clinical Services Option (30-53 hours):

- Completion of an accredited allied health associate degree/certificate program.
- Professional/clinical coursework must have been completed through an accredited institution in order to be applied to the degree requirements.
- Professional/clinical coursework will be evaluated for transfer credit on an individual basis. A maximum of 53 hours can be applied toward this degree.

Health Services Option (35-36 hours):

- IPE 376 - Cultural Competence in Health Care

  OR

- IPE 377 - Global Issues in Health Services
- IPE 379 - Interprofessional Perspectives on Population Health
- SWK 595 - Grant Writing in the Health and Human Services
- IPE 599 - Health Literacy in the Human Services

OR

- BMS 599 - Health Literacy in the Human Services

OR

- SWK 599 - Health Literacy in the Human Services
- MGT 340 - Principles of Management

Complete one of the following emphasis areas:

Science Reasoning:

- BMS 110 - Introduction to Human Biology
- BMS 111 - Introduction to Human Biology Laboratory
- BMS 230 - Human Genetics

- BMS 307 - Human Anatomy

OR

- KIN 250 - Applied Human Anatomy

- BMS 308 - Human Physiology

OR

- KIN 252 - Applied Human Physiology

- DTN 240 - Introduction to Nutrition
- LLT 102 - Scientific and Medical Terminology

Administrative Services:

- ACC 201 - Introduction to Financial Accounting
- ECO 155 - Principles of Macroeconomics
- ECO 165 - Principles of Microeconomics

- HCM 301 - Health Care Organization

OR

- HCM 303 - Health Care Legal Issues

- HCM 504 - Health Care Economics
- ITC 200 - Critical and Creative Thinking Using Information Technology

- MKT 350 - Principles of Marketing

OR

- LAW 531 - Labor Law and Employment Discrimination

Community Health Services:

- COM 521 - Communication, Mediation, and Negotiation
- HLH 582 - Motivational Interviewing for Health Professionals
- IPE 540 - Foundations of Social and Behavioral Health

- PSY 304 - Abnormal Psychology

OR

- SOC 341 - Medical Sociology

- SOC 152 - Social Problems in the Community
- SWK 219 - Human Diversity

- SWK 543 - Non-Profit Management in the Health and Human Services
  OR
- SOC 430 - The Nonprofit Sector and Civil Society
  OR
- ENG 570 - Writing in the Health Professions

Total Credit Hours: 63-86

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Nursing (completion program for registered nurses) (BSN)

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 or currently enrolled in an associate degree or diploma nursing program. Admission to the program is by application and selection as stated in the admission policies.

Admission policies

- Application must be made to both the University and the School of Nursing.
- Unencumbered current licensure in good standing as a registered nurse.
- Students preparing to graduate from an ADN/ASN program may apply and be provisionally accepted to the BSN-C program. Provisionally accepted students may begin non-clinical coursework until the receipt of RN licensure.
- 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.

Additional requirements of the program

Once accepted into the BSN-C program, students will be required to pay a college fee per credit hour. The college fee will be assessed at the time of registration in NRS classes.

Major requirements

Specific General Education requirement:

- PSY 121 - Introductory Psychology

Upper division nursing requirements:

- NRS 306 - Professional Emergence

- NRS 335 - Pathophysiology for the Registered Nurse
- NRS 338 - Pharmacology for the Registered Nurse
- NRS 341 - Nursing: Individuals and Families
- NRS 342 - Nursing: Health Assessment
- NRS 357 - Evidence Based Practice for the Registered Nurse
- NRS 442 - Community Health Nursing I
- NRS 443 - Community Health Nursing II
- NRS 482 - Advanced Leadership and Management for Registered Nurses
- NRS 515 - Healthcare Informatics
- IPE 375 - Introduction to Interprofessional Health Care

One course in statistics from:

- PSY 200 - Psychological Statistical Methods
- SOC 220 - Statistics for Social Research
- AGR 330 - Statistical Applications in Agriculture
- MTH 340 - Statistical Methods
- IPE 381 - Statistics for the Health Professions
- PSY 527 - Advanced Psychological Statistical Methods or others by permission.

Public Affairs Capstone Experience will be fulfilled by completion of:

- NRS 443 - Community Health Nursing II

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. 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 should 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.

Total Credit Hours: 39

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Nursing (Pre-licensure, 4-year program) (BSN)

Bachelor of Science in Nursing

Admission to the Bachelor of Science in Nursing program

- Applicants must demonstrate academic potential to be successful in the program.
- Admission is competitive and selective, and not all who apply can be accommodated.
- Student selection process is outlined below:
- The following criteria will be reviewed and scored on all applicants: prerequisite courses GPA, cumulative GPA, TEAS exam score, and student resume.
- Applicants will then be selected based on their cumulative score to proceed to the interview.
- Students will be admitted to the program twice a year (January and August) for full-time study.
- Program applications for admission are due January 31 and July 31, on or before 5:00 PM CST.
- Students are encouraged to meet with an advisor in the McQueary College of Health and Human Services Student Success and Academic Advisement Center prior to or upon entering the University to ensure the proper selection and sequencing of prerequisites for the BSN program.
- Students who hold a bachelor's degree from an accredited university may be eligible to complete nursing coursework in an intensive scheduling format. Acceptance into this intensive scheduling format will be once per year.

Application requirements and policies

- Admission to Missouri State University.
- Completion of an application in the Nursing CAS system for the Pre-licensure BSN program.
- Submission of official transcripts of all college course work.
- All general education requirements must be completed before beginning the first nursing course.
- Specific General Education requirements that must be passed with a grade of C- or better: ENG 110; CHM 116 and CHM 117 or CHM 160 and CHM 161 ; COM 115; PSY 121; SOC 150; MTH 134 or a higher numbered mathematics course listed in the General Education Quantitative Literacy requirement*; at least one Civics course must be completed by the time of application submission: HST 121, HST 122, or PLS 101. Note: Students completing Core 42 may substitute COM 120 or COM 205 in place of COM 115 . *Transfer students who complete the CORE 42 curriculum and have not completed an approved algebra course will be required to do so before beginning the nursing program.
- The following prerequisites must be completed with a grade of a C- or better before beginning the first nursing course: BMS 307 or KIN 250; BMS 308 or KIN 252; BIO 212 and BIO 213 (when averaged together); DTN 240; one course in statistics must be completed with a grade of C or better: IPE 381, SOC 220, PSY 200, MTH 340, QBA 237, AGR 330, PSY 527.
- The following courses must have been completed within 7 years of application to the nursing program: BMS 307 or KIN 250; BMS 308 or KIN 252; DTN 240 BIO 212 and BIO 213; and either MTH 134 or higher numbered mathematics course, or IPE 381, SOC 220, PSY 200, MTH 340, QBA 237, AGR 330, PSY 527.
- A minimum cumulative GPA of 3.00 in all attempted college course work.
- Meet technical standards of the program.
- 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 School Director indicating that the student was in good standing. Applicants previously dismissed from a program or not in good standing at the time of dismissal, will not be considered for admission.

Admission policy

Students selected for admission will receive an acceptance letter in their MSU email account. The letter will designate a required response date and additional documentation required to complete the admission process. All documentation must be submitted by the required deadline, or the student will not be allowed to continue the admission process.
Additional documentation includes:

- Evidence of current immunizations required by our clinical partners, including but not limited to MMR, Tetanus, Varicella, complete Hepatitis B series, and a PPD (or evidence of appropriate medical follow-up for PPD positive result).
- Influenza vaccination or proof of exemption by a clinical partner(s) should be submitted annually.
- Most recent Covid-19 vaccination or proof of exemption by a clinical partner(s) should be submitted.
- Completion of the online portion of the American Heart Association (AHA) Basic Life Support (BLS) for Healthcare Providers certification or proof of current Basic Life Support (BLS) for Healthcare Providers certification.
- AHA course information and requirements may be accessed at the American Heart Association website.
- BLS skills check off demonstration will be scheduled during the first week of the program.
- Documentation of health insurance, this is a requirement throughout the program.

Additional requirements of the program

Students are required to:

- Purchase uniforms and initial equipment before beginning nursing courses. A list of the items and web-links will be provided by the School of Nursing.
- Provide their own transportation to clinical sites.
- Pay fees each semester (Fall and Spring).
- 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.
- 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.

Major requirements

Specific General Education requirements

Must be passed before beginning the first nursing course with a grade of C- or better.

- ENG 110 - Writing I

- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory

OR

- CHM 160 - General Chemistry I **AND**
- CHM 161 - General Chemistry I Laboratory

- COM 115 - Fundamentals of Public Speaking
- PSY 121 - Introductory Psychology
- SOC 150 - Introduction to Society
- MTH 134 - Algebraic Reasoning and Modeling or a higher numbered mathematics course listed in the General Education Quantitative Literacy requirement.
- **At least one of the following civics courses must be completed by the time of application submission:**
- HST 121 - Survey of the History of the United States to 1877
- HST 122 - Survey of the History of the United States since 1877

- PLS 101 - American Democracy and Citizenship
  Note: Students completing Core 42 may substitute COM 120 or COM 205 in place of COM 115.

The following prerequisites must be completed with a grade of C- or better before beginning the first nursing course:

- BMS 307 - Human Anatomy
  OR
- KIN 250 - Applied Human Anatomy

- BMS 308 - Human Physiology
  OR
- KIN 252 - Applied Human Physiology
- BIO 212 - Elements of Microbiology C- when averaged together with BIO 213
- BIO 213 - Elements of Microbiology Laboratory C- when averaged together with BIO 212
- DTN 240 - Introduction to Nutrition
- **One of following courses in statistics must be completed with a grade of C or better:**
- IPE 381 - Statistics for the Health Professions
- SOC 220 - Statistics for Social Research
- PSY 200 - Psychological Statistical Methods
- MTH 340 - Statistical Methods
- QBA 237 - Basic Business Statistics
- AGR 330 - Statistical Applications in Agriculture
- PSY 527 - Advanced Psychological Statistical Methods

Upper division Nursing courses must be completed with a grade of C or better:

- NUR 302 - Concepts in Nursing
- NUR 303 - Fundamentals of Nursing 5 hours
- NUR 304 - Medical Surgical Nursing I 6 hours
- NUR 312 - Medical Surgical Nursing II 6 hours
- NUR 322 - Nursing: The Childbearing Family 4 hours
- NUR 323 - Nursing: The Pediatric Client and Family 4 hours
- NUR 331 - Nursing: The Mental Health Client 4 hours
- NUR 342 - Nursing: Health Assessment 4 hours
- NUR 355 - Nursing: Pathophysiology for Healthcare Providers
- NUR 360 - Introduction to Pharmacology
- NUR 416 - Nursing: The Older Adult Client
- NUR 442 - Nursing: Community Health 4 hours
- NUR 478 - Nursing: Senior Seminar
- NUR 482 - Nursing: Leadership and Management
- NUR 487 - Research and Evidence-Based Practice
- NUR 490 - Advanced Medical-Surgical Nursing

Public Affairs Capstone Experience will be fulfilled by completion of:

- NUR 482 - Nursing: Leadership and Management

University level requirements:

1. General Education Program and Requirements
2. General Baccalaureate Degree Policies & Requirements

Retention, progression, and graduation policies

- After admission into the Nursing major, the students must:
- Achieve a grade of "C" or higher in all required courses.
- Receive a "pass" in all clinical evaluations.
- Maintain a university cumulative GPA of 2.75 or higher.
- Maintain a cumulative GPA of 2.75 or higher in nursing and supportive courses.
- Courses in the nursing major may not be taken more than twice.
- Demonstrate professionalism, evidenced by acceptable levels of maturity, integrity, and insight regarding behaviors and attitudes expected of professional nurses (ANA Nurse Code of Ethics).
- Maintain current CPR certification, immunizations required by our clinical partners, annual PPD or appropriate medical follow-up for PPD positive results, and health insurance requirements.
- Maintain the ability to meet technical standards of the program.
- Maintain continuous enrollment in nursing courses and progression through the program. If continuous enrollment is not maintained, the student must apply for readmission to the program.
- Graduation from the Pre-licensure 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.
- Students that fail to meet the academic requirements listed above, will be required to create a student plan for success and remediation will occur.
- If the student is unable to meet the academic and or clinical requirements despite completion of their plan for success, this may result in dismissal from the nursing program.
- Failure to meet the probationary restrictions could also result in dismissal from the program.
- Failure of more than one course in two consecutive semesters will result in program dismissal.

Academic probation: inability to maintain course exam average of 75% or higher.

Clinical probation: unsuccessful achievement of a "pass" grade in all nursing clinical courses.

Readmission policy

Students will be considered for re-admission to the nursing program based on the number of seats available in the cohort.

Transfer policy

Transfer students with prior nursing courses will be reviewed on an individual basis by evaluating course content and objectives.

Nutrition and Dietetics (Comprehensive) (BS)

Accreditation

The Nutrition and 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 Nutritionist (RDN).

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 with a DTN course code that are associated with program requirements and with a grade of "C-" or higher in all other courses associated with program requirements.

Admission requirements

- Completion of at least 45 hours.
- DTN 240 and DTN 305 with grades of "C" or better in each course; BMS 308 or KIN 252; CHM 116 and CHM 117 or (CHM 160, CHM 161, CHM 170 and CHM 171) with grades of "C" or better in each of the courses.
- 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 circumstances.
- Provide a signed copy of the Dietetics Honor Code.

Major requirements

Specific General Education requirements:

- BMS 110 - Introduction to Human Biology
- BMS 111 - Introduction to Human Biology Laboratory
- CHM 116 - Fundamentals of Chemistry
- CHM 117 - Fundamentals of Chemistry Laboratory

- MTH 134 - Algebraic Reasoning and Modeling
  OR
- MTH 136 - Precalculus 1
  OR
- MTH 137 - Precalculus 2
  OR
- MTH 138 - Pre-Calculus Mathematics
  OR
- MTH 261 - Analytic Geometry and Calculus I
  OR
- MTH 287 - Computational Calculus with Analytic Geometry I
- PSY 121 - Introductory Psychology

Dietetics and Nutrition courses:

- DTN 240 - Introduction to Nutrition

- DTN 305 - Introduction to Nutrition and Dietetics
- DTN 306 - Computer Applications in Nutrition and Dietetics
- DTN 330 - Food Selection and Preparation for Health
- DTN 331 - Food Science
- DTN 332 - Food and Culture
- DTN 333 - Nutrition Throughout the Life Span
- DTN 335 - Nutritional Assessment
- DTN 340 - Nutrition Education and Communications
- DTN 345 - World Hunger
- DTN 430 - Sports Nutrition
- DTN 437 - Quantity Foods in Healthcare and School Food Service
- DTN 445 - Community Nutrition
- DTN 532 - Human Nutrition and Metabolism
- DTN 536 - Medical Nutrition Therapy I
- DTN 538 - Food and Nutrition Systems Management
- DTN 539 - Senior Seminar in Dietetics
- DTN 546 - Medical Nutrition Therapy II
- DTN 550 - Nutrition Counseling
- DTN 595 - Introduction to Research in Dietetics

Public Affairs Capstone Experience will be fulfilled by completion of:

- DTN 345 - World Hunger

Related requirements:

- BIO 212 - Elements of Microbiology
- BIO 213 - Elements of Microbiology Laboratory
- BMS 230 - Human Genetics
- BMS 307 - Human Anatomy

  OR
- KIN 250 - Applied Human Anatomy

- BMS 308 - Human Physiology

  OR
- KIN 252 - Applied Human Physiology

- CHM 201 - Essentials of Organic Chemistry
- CHM 352 - Introduction to Biochemistry
- IPE 381 - Statistics for the Health Professions

  OR
- MTH 340 - Statistical Methods

  OR
- MTH 545 - Applied Statistics

  OR
- PSY 200 - Psychological Statistical Methods

  OR
- QBA 237 - Basic Business Statistics

  OR
- SOC 220 - Statistics for Social Research

Total Credit Hours: 75

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Physical Education (BSEd)

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:

- **Requirements for Eligibility to Enroll in KIN 200**: Before a student can enroll in KIN 200 the following eligibility requirements must be met:
- Transfer students should meet with advisor to determine whether EDC 150 is required.
- Completed COM 115 with a minimum grade of "C" or concurrent enrollment in COM 115.
- 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.
- **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, KIN 431, KIN 468, and KIN 575)
- A combined (both Missouri State and Transfer) GPA of 2.75 or higher.
- Earned a composite score or super 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.
- Completed COM 115 with a minimum grade of "C".
- Completed KIN 200 with minimum grade of "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.
- Complete at least 45 credit hours.

- 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 Teacher Education is subject to review and change by the EPPC at any time while the student is enrolled.
- **Requirements for Continuance in the PETE Program:** In order to progress through the PETE program a student must:
- Maintain a combined (Missouri State and transfer) GPA or 2.75 or higher
- Maintain a combined (Missouri State and transfer) GPA of 3.00 or higher in the major.
- Complete Physical Education Professional Education courses with a minimum grade of "C".
- Been admitted to the degree program.
- **Requirements for Assignment to Supervised Teaching:** The criteria used to determine eligibility for Supervised Teaching are outlined below. The student must have:
- Been admitted to the PETE Program and completed Transition Point #1 and Transition Point #2.
- A combined GPA of 2.75 or higher for all college level course work completed.
- Current and valid Professional Liability Insurance.
- Completion of Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI Fingerprinting Background Check prior to any field experience placement. For more information, refer to Compliance Documents Required for Practicum, Internship or Student Teaching.
- Completed all courses in the major with a combined (Missouri State and Transfer) GPA of 3.00 or higher.
- Completed all Physical Education Professional Education courses with a minimum grade of "C".
- Verification by the academic advisor that all coursework and degree requirements have been met to proceed to supervised teaching.
- Final approval by the program coordinator in consultation with academic advisor(s).
- **Requirements for Certification Recommendation:**
- Successfully completed Supervised Teaching.
- Met all Missouri teacher certification requirements which are in effect at time of certification.
- A combined (Missouri State and transfer) GPA of 2.75 or higher.
- Completed all professional education courses with a combined (Missouri State and transfer) GPA of3.00 or higher and no grade lower than "C".
- A combined (Missouri State and transfer) GPA of 3.00 or higher in the certificate subject area (major).
- A passing score on all state-required certification assessments which are in effect at the time of certification as establish by MoDESE. Current assessments include:
- Missouri Content Assessment (MoCA)
- Missouri Education Evaluation System (MEES)

Major requirements

Note: 14 hours may double count toward General Education requirements.

Specific General Education requirements:

- BIO 101 - Biology in Your World **AND**
- BIO 111 - Laboratory for Biology in Your World

OR

- BIO 121 - General Biology I
- CHM 116 - Fundamentals of Chemistry

Required Courses:

A grade of "C" or better is required in each of the following courses:

- ATC 222 - Athletic Injuries

- KIN 200 - History and Foundations of Physical Education
- KIN 210 - Healthy Lifestyles: Preventive Approaches *
- KIN 240 - Creative Dance and Movement Education
- KIN 250 - Applied Human Anatomy
- KIN 253 - First Aid
- KIN 260 - Outdoor Leisure Education
- KIN 277 - Team and Individual Sports
- KIN 335 - Organization and Administration of Physical Education and Sport
- KIN 358 - Health Education Methods
- KIN 359 - Qualitative Sport Skill Analysis
- KIN 361 - Principles of Motor Learning and Development
- KIN 362 - Exercise Physiology
- KIN 386 - Social Basis of Physical Activity and Sport
- KIN 411 - Teaching of Secondary Physical Education
- KIN 431 - Teaching K-4 Physical Education
- KIN 468 - Adapted Physical Education
- KIN 485 - Psychology of Sport and Physical Activity
- KIN 575 - Measurement and Evaluation Applied to Physical Education
- DTN 130 - Social and Behavioral Applications of Human Nutrition **

*KIN 210 and DTN 130 may double count toward General Education requirements.

Public Affairs Capstone Experience will be fulfilled by completion of:

- KIN 493 - Supervised Teaching (Secondary Physical Education)
- KIN 496 - Supervised Teaching (Elementary Physical Education)

Total Credit Hours: 72

Professional Education requirements (21 hours):

A grade of "C" or better is required in each of the following courses.

- EDC 345 - Introduction to Multicultural Education and Diversity
- LTC 474 - Reading and Writing in the Content Fields
- PSY 360 - Educational Psychology
- KIN 493 - Supervised Teaching (Secondary Physical Education)
- KIN 496 - Supervised Teaching (Elementary Physical Education)

The following major courses

listed above will satisfy the Professional Education competencies as required for certification:

- KIN 200 - History and Foundations of Physical Education
- KIN 411 - Teaching of Secondary Physical Education
- KIN 431 - Teaching K-4 Physical Education
- KIN 468 - Adapted Physical Education
- KIN 575 - Measurement and Evaluation Applied to Physical Education

University level requirements:

- General Education Program and Requirements
- 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 completion of:

- KIN 370 - Introduction to Safety Education
- KIN 371 - Driver Task Analysis
- KIN 372 - Developing Vehicle Operation Skills and Competencies

GPA Requirement:

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 listed above.

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:

Complete the following courses:

- BMS 307 - Human Anatomy
  OR
- KIN 250 - Applied Human Anatomy
- BMS 308 - Human Physiology
  OR
- KIN 252 - Applied Human Physiology or equivalents
- CFD 163 - Relationships in Today's Families
- DTN 130 - Social and Behavioral Applications of Human Nutrition
  OR
- DTN 240 - Introduction to Nutrition
- KIN 253 - First Aid
- KIN 256 - Community Health
- KIN 257 - Personal Health
- KIN 358 - Health Education Methods
- PSY 101 - Psychology for Personal Growth
- SWK 330 - Social Work Practice with Addictions

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.

GPA Requirement:

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 listed above.

Psychology (Non-Comprehensive) (BA)

Major requirements

Required core:

- PSY 121 - Introductory Psychology
- PSY 200 - Psychological Statistical Methods
- PSY 302 - Experimental Psychology
- PSY 411 - Psychology of Diversity

Professional Development and Enrichment-one course from:

- PSY 150 - Introduction to the Psychology Major
- PSY 311 - Service-Learning in Psychology
- PSY 330 - Psychology of Digital Success
- PSY 490 - Preparation for Graduate School
- PSY 495 - Senior Seminar
- PSY 496 - Directed Readings in Psychology
- PSY 497 - Advanced Topics in Psychology
- PSY 499 - Practicum in Psychology

Note:

PSY 150 is required for admission to the accelerated master's program in Applied Behavior Analysis.

Foundation coursework-one course from each of the following four areas:

Developmental:

- PSY 331 - Psychology of Childhood
- PSY 350 - Psychology of Adulthood and Aging

OR

- GER 351 - Psychology of Adulthood and Aging
- PSY 370 - Mental Health and Aging

OR

- GER 370 - Mental Health and Aging
- PSY 441 - Psychology of Adolescence

Learning and Cognition:

- PSY 306 - Learning Processes
- PSY 422 - Memory and Cognition
- PSY 523 - Psychology and Language

Biological Processes:

- PSY 336 - Ethology
- PSY 506 - Perception
- PSY 521 - Physiological Psychology
- PSY 525 - Motivation and Emotions

Applied:

- PSY 304 - Abnormal Psychology
- PSY 305 - Introduction to Industrial-Organizational Psychology
- PSY 359 - Theories of Social Psychology
- PSY 360 - Educational Psychology
- PSY 508 - Introduction to Applied Behavior Analysis
- PSY 512 - Personality Theory and Systems
- PSY 529 - Psychological Tests and Measurements

Additional nine hours of psychology electives

- **at least six hours from courses numbered 300 or higher.**

Note:

PSY 101, PSY 203, PSY 380, PSY 385, and PSY 390 may not be used toward this requirement.

Public Affairs Capstone Experience will be fulfilled by completion of:

- PSY 411 - Psychology of Diversity

Minor required (or second major).

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

- Bachelor of Arts Degree Requirements

Psychology (Non-Comprehensive) (BS)

Major requirements

Required core:

- PSY 121 - Introductory Psychology
- PSY 200 - Psychological Statistical Methods
- PSY 302 - Experimental Psychology
- PSY 411 - Psychology of Diversity

Professional Development and Enrichment-one course from:

- PSY 150 - Introduction to the Psychology Major
- PSY 311 - Service-Learning in Psychology
- PSY 330 - Psychology of Digital Success
- PSY 490 - Preparation for Graduate School
- PSY 495 - Senior Seminar
- PSY 496 - Directed Readings in Psychology
- PSY 497 - Advanced Topics in Psychology
- PSY 499 - Practicum in Psychology

Note:

PSY 150 is required for admission to the accelerated master's program in Applied Behavior Analysis.

Foundation course work-one course from each of the following four areas:

Developmental:

- PSY 331 - Psychology of Childhood
- PSY 350 - Psychology of Adulthood and Aging

OR

- GER 351 - Psychology of Adulthood and Aging
- PSY 370 - Mental Health and Aging

OR

- GER 370 - Mental Health and Aging
- PSY 441 - Psychology of Adolescence

Learning and Cognition:

- PSY 306 - Learning Processes
- PSY 422 - Memory and Cognition
- PSY 523 - Psychology and Language

Biological Processes:

- PSY 336 - Ethology
- PSY 506 - Perception
- PSY 521 - Physiological Psychology
- PSY 525 - Motivation and Emotions

Applied:

- PSY 304 - Abnormal Psychology
- PSY 305 - Introduction to Industrial-Organizational Psychology
- PSY 359 - Theories of Social Psychology
- PSY 360 - Educational Psychology
- PSY 508 - Introduction to Applied Behavior Analysis
- PSY 512 - Personality Theory and Systems
- PSY 529 - Psychological Tests and Measurements

Additional nine hours of psychology electives

- **at least six hours from courses numbered 300 or higher.**

Note:

PSY 101, PSY 203, PSY 380, PSY 385, and PSY 390 may not be used toward this requirement.

Public Affairs Capstone Experience will be fulfilled by completion of:

- PSY 411 - Psychology of Diversity

Minor required (or second major).

Total Credit Hours: 34

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Radiography (Comprehensive) (BS)

Bachelor of Science

The School of Health Sciences, 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 Radio logic 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 radio logic 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 21credit 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.

Major requirements:

Major core (82-84 hours):

Note: 21 hours may double count in General Education requirements.

- BIO 212 - Elements of Microbiology **AND**
- BIO 213 - Elements of Microbiology Laboratory

OR

- BIO 312 - Microbiology **AND**
- BIO 313 - Microbiology Laboratory
- BMS 307 - Human Anatomy
- BMS 308 - Human Physiology
- CHM 201 - Essentials of Organic Chemistry
- CHM 202 - Essentials of Organic Chemistry Laboratory
- CSC 121 - Introduction to BASIC Programming

Specific General Education requirements:

- BMS 110 - Introduction to Human Biology
- BMS 111 - Introduction to Human Biology Laboratory
- CHM 116 - Fundamentals of Chemistry
- CHM 117 - Fundamentals of Chemistry Laboratory
- ECO 155 - Principles of Macroeconomics
- KIN 210 - Healthy Lifestyles: Preventive Approaches
- MTH 136 - Precalculus 1
- PSY 121 - Introductory Psychology

Note:

CHM 160 should be selected if the science option is chosen.

42 hours of coursework

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.

Public Affairs Capstone Experience

will be fulfilled by completion of second year clinical practicum at the school of radiologic technology

Complete one of the following options:

Education option (15-16 hours):

- PSY 360 - Educational Psychology
- SEC 301 - Introduction to Teaching in the Secondary School
- EDT 565 - Selection and Utilization of Educational Technology
- SFR 396 - Student Assessment and Evaluation

Two courses from:

- PSY 200 - Psychological Statistical Methods
- PSY 306 - Learning Processes

OR

- PSY 502 - Learning Theories
- PSY 508 - Introduction to Applied Behavior Analysis
- PSY 529 - Psychological Tests and Measurements
- SFR 547 - Guidance and Interpersonal Relationships in the Classroom

Management option (15 hours):

- ACC 201 - Introduction to Financial Accounting
- MGT 340 - Principles of Management
- MGT 341 - Organizational Behavior and Leadership

Two courses from:

- ACC 211 - Introduction to Managerial Accounting
- HCM 301 - Health Care Organization
- HCM 303 - Health Care Legal Issues
- MGT 345 - Human Resources Management
- MKT 367 - Purchasing and Supply Management
- MKT 368 - Supply Chain and Operations Modeling
- QBA 237 - Basic Business Statistics

Science option (14 hours):

14 hours in Biology, Biomedical Sciences, or Physics electives selected with approval of advisor.

CHM 160 is recommended as a General Education course for this option.

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Respiratory Therapy (Comprehensive) (BS)

Major requirements

Eligibility for admission to this 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.

Major core (69 hours):

Note: 11-14 hours may double count in General Education requirements.

- BMS 307 - Human Anatomy
- BMS 308 - Human Physiology
- BMS 561 - Medical and Pathologic Physiology
- BIO 212 - Elements of Microbiology
- BIO 213 - Elements of Microbiology Laboratory
- ACC 201 - Introduction to Financial Accounting

OR

- ECO 155 - Principles of Macroeconomics *
- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory

OR

- CHM 160 - General Chemistry I **AND**
- CHM 161 - General Chemistry I Laboratory

Specific General Education requirements:

- BIO 121 - General Biology I

OR

- BMS 110 - Introduction to Human Biology **AND**
- BMS 111 - Introduction to Human Biology Laboratory
- PHY 123 - Introduction to Physics I
- PSY 121 - Introductory Psychology

Completion of a registry level program in Respiratory Therapy

12 hours of lower division and 23 hours of upper division transfer credit will be awarded.

Complete one of the following options:

Education option (16-18 hours):

- PSY 390 - Development of the Adolescent Student
- SEC 300 - Clinical and Field Experiences in Secondary Education
- SEC 301 - Introduction to Teaching in the Secondary School

- EDT 565 - Selection and Utilization of Educational Technology
- SFR 396 - Student Assessment and Evaluation

Two courses from:

- PSY 441 - Psychology of Adolescence
- SFR 250 - Foundations of American Education

OR

- SFR 353 - History of Educational Thought

OR

- SFR 354 - Social and Philosophical Foundations of American Education
- SFR 547 - Guidance and Interpersonal Relationships in the Classroom

Management option (15 hours):

- ECO 155 - Principles of Macroeconomics
- MGT 340 - Principles of Management
- MGT 341 - Organizational Behavior and Leadership

Two courses from:

- ACC 211 - Introduction to Managerial Accounting
- MGT 345 - Human Resources Management
- MKT 367 - Purchasing and Supply Management
- MKT 368 - Supply Chain and Operations Modeling
- QBA 237 - Basic Business Statistics

Science option (14 hours):

- MTH 340 - Statistical Methods

11 hours of electives selected with approval of advisor.

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Social Work (BSW)

The Social Work program builds upon a liberal arts education while preparing students for the practice of Social Work, with an emphasis on the strengths perspective. The Social Work program consists 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.

The BSW program is available as a seated program option on the Springfield campus or a fully online program option. Both program options require a 400-hour practicum (12 credit hours) that must be completed in person in the final semester before graduation.

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:

- Completion of a minimum of 45 hours with a combined GPA (Missouri State and transfer combined) of 2.50or higher on a 4-point scale.
- Completion or concurrent enrollment in the Foundations Courses for General Education except the second writing course.
- Completion or concurrent enrollment in SWK 200, SWK 213, and SWK 219 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:

- Declare a major in the Social Work Program within the University which places the student in pre-admit status.
- 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.
- In the application process, students will select between the seated program option or the fully online program options. Students who choose the seated program option will attend Social Work classes on the Springfield campus. Students who choose the online program option will have all Social Work courses in an online and asynchronous format. Students may only be admitted to the BSW Program in one program option
- 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.

Major requirements

Note: 12 hours may double count toward General Education requirements.

- SWK 200 - Introduction to Social Work
- SWK 213 - Social Welfare Policy and Services
- SWK 219 - Human Diversity

- SWK 304 - Professional Development and Social Work Ethics
- SWK 307 - Social Work Practice with Individuals
- SWK 313 - Social Justice
- SWK 315 - Social Work Practice with Groups
- SWK 325 - Human Behavior and the Social Environment I
- SWK 326 - Human Behavior and the Social Environment II
- SWK 418 - Methods of Social Research in Social Work Practice
- SWK 420 - Social Work Practice with Families
- SWK 430 - Social Work Practice in Communities and Organizations
- SWK 480 - Social Work Integrative Seminar
- SWK 490 - Practicum in Social Work

Recommended course:

- SWK 300 - Service-Learning in Social Work

Specific course requirements (other than Social Work):

- ECO 155 - Principles of Macroeconomics

OR

- ECO 165 - Principles of Microeconomics
- PLS 101 - American Democracy and Citizenship
- PSY 121 - Introductory Psychology
- SOC 150 - Introduction to Society
- PSY 304 - Abnormal Psychology

One statistics course from:

- PSY 200 - Psychological Statistical Methods
- SOC 220 - Statistics for Social Research
- IPE 381 - Statistics for the Health Professions
- AGR 330 - Statistical Applications in Agriculture
- MTH 340 - Statistical Methods
- QBA 237 - Basic Business Statistics
- SPR 328 - Statistical Applications in Sport and Recreation Administration

Six hours of Social Work electives.

Public Affairs Capstone Experience will be fulfilled by completion of:

- SWK 480 - Social Work Integrative Seminar
- SWK 490 - Practicum in Social Work

Total Credit Hours: 72

University level requirements:

- General Education Program and Requirements
- 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:

- 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.
- Achieve a grade of "C" or better in all Social Work courses, which are courses with "SWK" prefix.
- 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 core 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 core Social Work (SWK) course, student will be dismissed from the program at the end of the semester and will need to reapply. If a student is formally accepted in the program and earns a "D" or "F" grade in an elective Social Work (SWK) course, the student must retake that course and earn a "C" or better.
- Courses in the Social Work major may not be taken more than twice.
- A student must earn a "Pass" grade in SWK 490. A grade below a "C" in SWK 480 and/or a "Not Pass" grade in SWK 490 means the student must reapply for admission and be readmitted to the BSW Program.
- 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.
- Students must demonstrate acceptable levels of maturity, integrity, behaviors and attitudes as defined by the National Association of Social Work (NASW).
- Once formally admitted to the program, students must complete all required Social Work courses within six years. Any student who has not completed all required Social Work courses within six years of admission will be manually withdrawn from the program at the end of the semester.

Sport and Recreation Administration (Comprehensive) (BS)

Major requirements

Note: three hours may double count in General Education requirements.

Specific General Education requirement:

- KIN 210 - Healthy Lifestyles: Preventive Approaches

Core Requirements

All coursework (including General Education Program, major(s), minor(s), if applicable), and all General Baccalaureate Degree Requirements, must be completed prior to taking SPR 491 .

- KIN 286 - Ethics and Diversity in American Sport
- KIN 485 - Psychology of Sport and Physical Activity
- SPR 152 - Introduction to Sport, Recreation, and Society
- SPR 211 - Principles of Outdoor Recreation and Adventure Sports
- SPR 328 - Statistical Applications in Sport and Recreation Administration
- SPR 335 - Sport and Recreation Administration Practicum
- SPR 390 - Sport and Recreation Programming

- SPR 410 - Sport and Recreation Leadership Supervision
- SPR 415 - Risk Management for Sport and Recreation Agencies
- SPR 422 - Sport and Recreation Facility and Area Management
- SPR 423 - Administration of Sport and Recreation Agencies
- SPR 490 - Orientation to Internship
- SPR 491 - Sport and Recreation Administration Internship 8 or 12 hours

Specific course requirements (other than KIN or SPR) 9 hours:

- BUS 135 - Introduction to Business
- MGT 286 - Business Communication and Professional Development

- MKT 150 - Marketing Fundamentals
  OR
- MGT 340 - Principles of Management

Six additional hours of electives with SPR course code (only one hour of 100-level courses).

Six additional hours of electives with KIN or SPR course code (only two hours of 100-level courses).

First Aid Proficiency:

Each student 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 SPR 491 and maintain current certifications throughout the internship.

Public Affairs Capstone Experience will be fulfilled by completion of:

- SPR 335 - Sport and Recreation Administration Practicum
- SPR 491 - Sport and Recreation Administration Internship

Total Credit Hours: 65 or 69

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Sports Medicine (Comprehensive) (BS)

The comprehensive major in Sports Medicine is designed to:

- Provide future healthcare providers with a strong foundation of basic science knowledge and experiential understanding of healthcare.

- Provide a foundation for those who wish to progress into professional healthcare programs or the workforce.
- Provide a pathway for early admission into the Master of Athletic Training (MATC) program.

Two pathways are available to students (pre-athletic training and traditional).

Pre-Athletic Training Pathway (Pre-AT)

The Pre-AT pathway positions students to be eligible to apply for admission to the MATC program and to begin taking graduate courses after completion of as few as three years as an undergraduate student. Students will be able to earn both their BS degree in Sports Medicine and their MATC degree in as few as five years. Graduate courses completed in the first year of the MATC program will count toward completion of the BS degree requirements. Students in this pathway must satisfy all general baccalaureate degree requirements for the BS degree.

Students interested in the Pre-AT pathway must officially declare the major, complete the Pre-AT interest form, and work with their program advisor to successfully complete the required course sequencing to meet MATC admission requirements.

Traditional Pathway

The traditional pathway allows students to explore various sports medicine and health care fields while completing a basic science education paired with specific pre-requisite courses for professional healthcare programs. This pathway is structured as the traditional four-year program to allow for meeting university graduation requirements.

Students interested in the traditional pathway must officially declare the major and meet with a college or program advisor to review career goals. Students in the traditional pathway are encouraged to take the same course sequencing as the Pre-AT pathway for the first three years. Students will use the fourth year of the program to complete courses designed to address remaining university graduation requirements, to pursue their career interests and/or to strengthen their application to the MATC upon completion of the bachelor's degree.

Program requirements

Students selected for the program must complete all required coursework and clinical requirements. Those requirements include the following:

Major Requirements

Specific General Education Requirements:

- BIO 121 - General Biology I
  OR
- BMS 110 - Introduction to Human Biology **AND**
- BMS 111 - Introduction to Human Biology Laboratory
- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory
  OR
- CHM 160 - General Chemistry I **AND**

- CHM 161 - General Chemistry I Laboratory
- MTH 136 or a higher numbered mathematics course listed in the Quantitative Literacy requirement of general education.

- PSY 121 - Introductory Psychology
- PHY 123 - Introduction to Physics I

Related requirements:

- DTN 240 - Introduction to Nutrition

- DTN 334 - Introduction to Nutrition Assessment and Sports Nutrition

OR

- DTN 430 - Sports Nutrition

- BMS 307 - Human Anatomy
- BMS 308 - Human Physiology
- BMS 567 - Physiology of Exercise Metabolism
- IPE 381 - Statistics for the Health Professions or equivalent

Two courses from:

- IPE 375 - Introduction to Interprofessional Health Care
- IPE 576 - Professional Issues in Health Services
- HCM 301 - Health Care Organization
- HCM 303 - Health Care Legal Issues

Sports Medicine requirements:

- ATC 220 - Introduction to Sports Medicine
- ATC 221 - Clinical Skills in Sports Medicine
- ATC 222 - Athletic Injuries
- ATC 225 - Sports Medicine Observation **Must be repeated to a minimum of four hours.**
- ATC 332 - Research Methods in Sports Medicine
- ATC 413 - Informatics and Terminology in Healthcare
- ATC 444 - Applied Orthopedic Review

Public Affairs Capstone Experience will be fulfilled by completion of:

- ATC 413 - Informatics and Terminology in Healthcare

Total Credit Hours: 64

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Minors

Coaching Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

Minor Requirements

- ATC 222 - Athletic Injuries
- KIN 250 - Applied Human Anatomy
- KIN 335 - Organization and Administration of Physical Education and Sport
- KIN 359 - Qualitative Sport Skill Analysis
- KIN 362 - Exercise Physiology
- KIN 392 - Coaching Practicum
- KIN 485 - Psychology of Sport and Physical Activity

Two courses from:

- KIN 300 - Teaching and Coaching Volleyball
- KIN 301 - Teaching and Coaching Football
- KIN 302 - Teaching and Coaching Basketball
- KIN 303 - Teaching and Coaching Track and Field
- KIN 304 - Teaching and Coaching Baseball
- KIN 305 - Teaching and Coaching Softball

Exercise Biology Minor

Major Degree Type

Bachelor of Science

Minor Requirements

- BMS 308 - Human Physiology
- BMS 320 - Biomolecules and Metabolism
  OR
- BMS 321 - Biomolecular Interactions
  OR
- CHM 352 - Introduction to Biochemistry
- BMS 567 - Physiology of Exercise Metabolism
- DTN 240 - Introduction to Nutrition
- DTN 430 - Sports Nutrition

- DTN 532 - Human Nutrition and Metabolism

Health Care Management Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Nursing

Minor Requirements

- HCM 301 - Health Care Organization
- HCM 303 - Health Care Legal Issues
- HCM 504 - Health Care Economics

OR

- ECO 504 - Health Care Economics
- ECO 165 - Principles of Microeconomics

OR

- AGB 144 - Agricultural Economics I
- MGT 345 - Human Resources Management

OR

- IPE 378 - Healthcare Quality Management

Six hours from:

- ACC 201 - Introduction to Financial Accounting
- IPE 376 - Cultural Competence in Health Care
- IPE 377 - Global Issues in Health Services
- IPE 379 - Interprofessional Perspectives on Population Health
- IPE 382 - Introduction to Health Insurance and Managed Care
- MGT 340 - Principles of Management
- MGT 341 - Organizational Behavior and Leadership
- MKT 350 - Principles of Marketing
- NUR 515 - Healthcare Informatics
- SOC 341 - Medical Sociology

Total of no fewer than 21 hours in the minor.

Human Life Sciences Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Nursing

Minor Requirements

- BMS 110 - Introduction to Human Biology
- BMS 111 - Introduction to Human Biology Laboratory
- BMS 230 - Human Genetics
  OR
- BMS 231 - Human Genetics with Laboratory
- BMS 307 - Human Anatomy **AND**
- BMS 308 - Human Physiology
  OR
- BMS 442 - Physiology of the Human Cell

Additional electives to total at least 19 hours of courses with a BMS or DTN course code.

BMS 100, BMS 101, BMS 300, BIO 101, BIO 102, BIO 111, or DTN 130 cannot be used to satisfy any minor requirements.

Human Services Minor

Major degree type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Music Education (Non-Certifiable)
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)
Bachelor of Science in Nursing

Minor requirements

- SWK 200 - Introduction to Social Work
- SWK 219 - Human Diversity

Additional hours from the following to total at least 12 hours:

- SWK 330 - Social Work Practice with Addictions

- SWK 365 - Families in Later Life
  OR
- GER 366 - Families in Later Life

- SWK 370 - Child Welfare Services
- SWK 375 - Social Work Perspectives with Latino/a Communities

- SWK 470 - Community Resources for Older Adults
  OR

- GER 470 - Community Resources for Older Adults

- SWK 543 - Non-Profit Management in the Health and Human Services
- SWK 595 - Grant Writing in the Health and Human Services
- SWK 599 - Health Literacy in the Human Services
- PSY 304 - Abnormal Psychology
- PSY 317 - Psychology of Addictions
- PSY 339 - Introduction to Clinical Psychology

- PSY 363 - Death and Human Behavior

OR

- GER 363 - Death and Human Behavior

- PSY 370 - Mental Health and Aging

OR

- GER 370 - Mental Health and Aging

- PSY 505 - Forensic Child Psychology
- CFD 155 - Principles of Human Development
- CFD 163 - Relationships in Today's Families
- CFD 505 - Trends and Issues in Youth Development
- CFD 532 - Family Advocacy
- CFD 562 - Prevention of Child Abuse and Neglect

Restriction

Students pursuing the Bachelor of Social Work program may not pursue the minor in Human Services.

Molecular Biology Minor

Major Degree Type

Bachelor of Science

Minor Requirements

- BMS 321 - Biomolecular Interactions
- BMS 521 - Molecular Cell Biology

Additional hours from the following to bring total hours in minor to at least 18 hours:

- BMS 524 - Virology
- BMS 525 - Molecular Biology
- BMS 529 - Molecular Genetics
- BMS 530 - Cell Biology of Cancer
- BMS 535 - Signal Transduction

- BMS 540 - Biotechnology
- BMS 558 - Recombinant DNA and Protein Techniques
- BMS 582 - Embryology
- BMS 593 - Bioinformatics and Biomedical Resources
- BIO 312 - Microbiology
- BIO 313 - Microbiology Laboratory

Nutrition Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science
Bachelor of Science in Nursing

Minor Requirements

- DTN 240 - Introduction to Nutrition
- DTN 333 - Nutrition Throughout the Life Span

Additional hours from following to total at least 20 hours in the minor:

See Dietetics Program Director for additional courses that may be approved.

- BMS 400 - International Service-Learning
- DTN 130 - Social and Behavioral Applications of Human Nutrition
- DTN 300 - Service-Learning in Dietetics and Nutrition
- DTN 306 - Computer Applications in Nutrition and Dietetics
- DTN 330 - Food Selection and Preparation for Health
- DTN 331 - Food Science
- DTN 332 - Food and Culture
- DTN 334 - Introduction to Nutrition Assessment and Sports Nutrition
- DTN 340 - Nutrition Education and Communications
- DTN 345 - World Hunger
- DTN 390 - The Exchange System
- DTN 391 - Home Food Preservation
- DTN 392 - The Mediterranean Diet
- DTN 395 - Nutrition Intervention in Eating Disorders
- DTN 396 - Alcohol, Addiction, and Nutrition
- DTN 397 - Topics in Heart Healthy Cooking
- DTN 430 - Sports Nutrition
- DTN 437 - Quantity Foods in Healthcare and School Food Service
- DTN 497 - Topics in Nutrition and Dietetics
- DTN 532 - Human Nutrition and Metabolism

Psychology Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science
Bachelor of Science in Nursing
Bachelor of Social Work

Minor Requirements

- PSY 121 - Introductory Psychology

Additional 15 hours in PSY courses with at least six hours numbered 300 or higher, to total at least 18 hours in the minor.

Note: PSY 101, PSY 380, PSY 385, and PSY 390 may not be used toward this requirement.

Major Degree Type

Bachelor of Science in Education (Non-Certifiable)

No certificate to teach is issued on a psychology minor. However, students planning to teach high school psychology will find this minor valuable, as well as those planning graduate work in educational psychology, counseling, etc.

Minor Requirements BSED

Required Courses (9-12 hours) from one of the following groups:

Group 1:

- PSY 121 - Introductory Psychology
- PSY 203 - Introduction to Research
- PSY 331 - Psychology of Childhood

Group 2:

- PSY 121 - Introductory Psychology
- PSY 200 - Psychological Statistical Methods
- PSY 302 - Experimental Psychology
- PSY 331 - Psychology of Childhood

Additional 12-15 hours in PSY courses numbered 300 or higher, to total at least 24 hours in the minor.

Note: PSY 101, PSY 380, PSY 385, and PSY 390 may not be used toward this requirement.

Sport and Recreation Administration Minor

Major Degree Type

Bachelor of Arts
Bachelor of Science

Minor Requirements

- SPR 152 - Introduction to Sport, Recreation, and Society
- SPR 390 - Sport and Recreation Programming
- SPR 422 - Sport and Recreation Facility and Area Management
- SPR 423 - Administration of Sport and Recreation Agencies
- KIN 286 - Ethics and Diversity in American Sport
- KIN 485 - Psychology of Sport and Physical Activity

One course from:

- SPR 211 - Principles of Outdoor Recreation and Adventure Sports
- SPR 311 - Outdoor/Adventure Education

Sports Medicine Minor

Major Degree Type

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

Minor Requirements

- ATC 220 - Introduction to Sports Medicine
- ATC 221 - Clinical Skills in Sports Medicine
- ATC 225 - Sports Medicine Observation **Must be repeated to a minimum of two hours.**
- ATC 413 - Informatics and Terminology in Healthcare
- ATC 444 - Applied Orthopedic Review

Two courses from:

- IPE 375 - Introduction to Interprofessional Health Care
- IPE 576 - Professional Issues in Health Services

- HCM 301 - Health Care Organization
- HCM 303 - Health Care Legal Issues

Certificates

Community Health Certificate

This certificate provides students with an introduction to diverse health and health outcomes within a population. Students will understand how to assess community health needs and improve overall community health outcomes and quality of life.

Program requirements

12 hours from:

- IPE 376 - Cultural Competence in Health Care
- IPE 377 - Global Issues in Health Services
- IPE 379 - Interprofessional Perspectives on Population Health
- IPE 540 - Foundations of Social and Behavioral Health
- HLH 582 - Motivational Interviewing for Health Professionals
- SWK 595 - Grant Writing in the Health and Human Services
- DTN 130 - Social and Behavioral Applications of Human Nutrition

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Cultural Competence in International Nutrition Certificate

This certificate is designed for students interested in developing culturally relevant international nutrition knowledge and skills while working with diverse cultures in a variety of settings. The certificate also provides education abroad opportunities to further assist in the development of culturally competent citizens.

This certificate provides coursework and experiences to enhance students' knowledge of basic principles of nutrition as applied to the foods, health, and religious beliefs of different cultures worldwide. Additionally, students will examine how certain foods and health traditions are important to various cultures. Students completing this program will have an enhanced understanding of foods, health beliefs and practices, and the religions of a variety of cultures with which they may come into contact.

Program requirements

- DTN 130 - Social and Behavioral Applications of Human Nutrition
  OR
- DTN 240 - Introduction to Nutrition

- DTN 332 - Food and Culture

Additional courses from the following to total 12 hours for the certificate:

- DTN 345 - World Hunger
- IPE 376 - Cultural Competence in Health Care
- IPE 377 - Global Issues in Health Services

Additionally, up to 3 hours of advisor approved education abroad electives may be selected from:

- IDS 297 - International Culture and Study Abroad
- BMS 380 - Cooperative Education in Biomedical Sciences
- DTN 392 - The Mediterranean Diet
- BMS 400 - International Service-Learning
- DTN 400 - International Service-Learning: Malnutrition in Developing Countries

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Esports Studies Certificate

This certificate provides students with the opportunity to put into practice game-based learning into their future professions. Courses focus on theory, application, and administration of Esports.

Program requirements

- KIN 203 - Introduction to Esports
- KIN 205 - Exercise and Training for Esports Participants
- KIN 283 - Multiplayer Online Battle Arena (MOBA)
- KIN 284 - First Person Shooter (FPS)
- KIN 293 - Real Time Strategy Titles (RTS)
- KIN 294 - Current Trends
- KIN 307 - Theory and Application of Esports
- KIN 412 - Organization and Administration of Esports

All candidates must satisfy the General University Certificate Requirements.

Total credit hours: 15

Completion requirements

- Attain a grade of C or better in all courses used to fulfill the certificate requirements.

- Attain a GPA of 2.50 or higher for all courses used to fulfill the certificate requirements.

Forensic Child Psychology Certificate

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.

Program requirements

- PSY 505 - Forensic Child Psychology
- PSY 514 - Psychology of Child Abuse and Exploitation
- PSY 557 - Forensic Psychology: Child Abuse and the Law
- CFD 562 - Prevention of Child Abuse and Neglect

Completion Requirements:

- Attain a GPA of 3.00 or higher in all courses used to fulfill the certificate requirements.
- Attain a grade of B- or better in all courses used to fulfill the certificate requirements.

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Foundations of Interprofessional Education in Health Care Certificate

Interprofessional education (IPE) at the collegiate level can lead to interprofessional collaborative practice in the professional health care industry. This certificate will introduce students to interprofessional education and the role of the interprofessional team to promote patient and population health outcomes. Students will gain knowledge of the Interprofessional Education Collaborative, a national collaborative of health profession associations, and the four core competencies of collaborative practice which include: Values and Ethics, Role sand Responsibilities, Interprofessional Communication, and Teams and Teamwork. Students completing this certificate program will have an enhanced understanding of the importance of a functioning collaborative team.

Program requirements

- IPE 375 - Introduction to Interprofessional Health Care
- IPE 470 - Foundations of Patient Safety for Health Professionals
- IPE 575 - Collaborative Health Care Leadership

OR

- IPE 576 - Professional Issues in Health Services
- IPE 599 - Health Literacy in the Human Services

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Foundations of Nutrition Certificate

This certificate is designed for students interested in understanding general principles of food and nutrition, human nutritional needs, and how nutrition affects health. Additionally, students will learn about the psychological, cultural, and social factors influencing dietary intake. Students completing this program will have an enhanced personal understanding of nutrition and health.

Program requirements

- DTN 130 - Social and Behavioral Applications of Human Nutrition *
  OR
- DTN 240 - Introduction to Nutrition *

Nine hours from:

- DTN 130 - Social and Behavioral Applications of Human Nutrition *
- DTN 240 - Introduction to Nutrition *
- DTN 300 - Service-Learning in Dietetics and Nutrition
- DTN 330 - Food Selection and Preparation for Health
- DTN 332 - Food and Culture
- DTN 333 - Nutrition Throughout the Life Span
- DTN 334 - Introduction to Nutrition Assessment and Sports Nutrition
- DTN 345 - World Hunger
- DTN 391 - Home Food Preservation
- DTN 397 - Topics in Heart Healthy Cooking
- DTN 497 - Topics in Nutrition and Dietetics
- BMS 497 - Topics in Biomedical Sciences I or other approved electives (1-3) may be counted with approval of certificate advisor.

Note:

* credit may only be used to satisfy one requirement. If both DTN 130 or DTN 240 are taken, both may count toward the 12-hour requirement.

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Health Sciences Certificate

This certificate provides students with broad exposure to foundational courses in the study of human biology as it applies to medicine, to enhance student preparation for further graduate and/or professional study in a variety of health care fields.

Program requirements

- BMS 230 - Human Genetics
  OR
- BMS 231 - Human Genetics with Laboratory
- BMS 307 - Human Anatomy
- BMS 308 - Human Physiology
  OR
- BMS 442 - Physiology of the Human Cell

- **One additional BMS course (1-4 credit hours)**
  OR
- DTN 240 - Introduction to Nutrition

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 11-16

Completion requirements

- Attain a grade of C or better in all courses used to fulfill the certificate requirements.
- Attain a GPA of 2.50 or higher for all courses used to fulfill the certificate requirements.

Human Genetics and Genomics Certificate

This certificate will provide a background in gene expression, DNA replication, biochemistry, molecular biology, and biotechnology.

Program requirements

Core Courses:

- BMS 231 - Human Genetics with Laboratory
- BMS 321 - Biomolecular Interactions

Six hours from:

- BMS 460 - Biology of HIV/AIDS
- BMS 525 - Molecular Biology
- BMS 529 - Molecular Genetics
- BMS 530 - Cell Biology of Cancer

- BMS 540 - Biotechnology
- BMS 558 - Recombinant DNA and Protein Techniques
- BMS 582 - Embryology
- BMS 593 - Bioinformatics and Biomedical Resources

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 14

Completion requirement

Attain a grade of C or better in all courses used to fulfill certificate requirements.

Molecular Physiology Certificate

This certificate is designed to provide students with an in-depth understanding and sophisticated expertise in molecular physiology. It aims to deliver foundational knowledge in cell and molecular biology as well as physiology, foster an interdisciplinary approach and research capabilities, enhance critical thinking abilities, and improve scientific communication skills. The program features a comprehensive dual-track curriculum that includes both cellular and molecular biology courses and physiology courses, culminating in a total of 14 credit hours.

Program Requirements

Seven hours from Cell and Molecular Biology Courses:

- BMS 520 - Medical Cell Biology

  OR
- BMS 521 - Molecular Cell Biology

- BMS 524 - Virology
- BMS 525 - Molecular Biology
- BMS 529 - Molecular Genetics
- BMS 530 - Cell Biology of Cancer
- BMS 535 - Signal Transduction
- BMS 558 - Recombinant DNA and Protein Techniques

Seven hours from Physiology courses:

- BMS 308 - Human Physiology

  OR
- BMS 442 - Physiology of the Human Cell

- BMS 542 - Physiology of Human Organ Systems
- BMS 561 - Medical and Pathologic Physiology
- BMS 562 - Medical Physiology Laboratory
- BMS 564 - Human Reproductive Physiology
- BMS 567 - Physiology of Exercise Metabolism

- BMS 569 - Neurobiology
- BMS 571 - Gastrointestinal Physiology
- BMS 572 - Human Renal Physiology
- BMS 573 - Endocrine Physiology
- BMS 575 - Human Cardiovascular Physiology
- BMS 576 - Human Respiratory Physiology

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 14

Completion Requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Outdoor Leadership Certificate

This certificate provides students with broad exposure to foundational courses in the study of leadership in outdoor recreational settings, to enhance student preparation for further graduate and/or professional study in a variety of parks and recreation fields.

Program requirements

- SPR 211 - Principles of Outdoor Recreation and Adventure Sports
  OR
- SPR 311 - Outdoor/Adventure Education

- SPR 309 - Adventure Sports-Water

- KIN 260 - Outdoor Leisure Education **AND**
- SPR 300 - Service-Learning in Sport and Recreation Administration
  OR
- SPR 307 - Adventure Sports-Land

- SPR 302 - Ecotourism
  OR
- SPR 451 - Outdoor Leadership

All candidates must satisfy the General University Certificate Requirements.

Total credit hours: 12

Completion requirements

- Attain a grade of C or better in all courses used to fulfill the certificate requirements.
- Attain a GPA of 2.50 or higher for all courses used to fulfill the certificate requirements.

Recreation Administration Certificate

This certificate provides students with broad exposure to foundational courses in the study of recreation administration to enhance student preparation for further graduate and/or professional study in a variety of recreation and service fields.

Program requirements

- SPR 305 - Meeting Planning and Event Planning
- SPR 325 - Leisure Education
- SPR 405 - Camp Administration

- SPR 302 - Ecotourism
  OR
- SPR 320 - Fundamentals of Tourism

Total credit hours: 12

Completion requirement

- Attain a grade of C or better in all courses used to fulfill the certificate requirements.
- Attain a GPA of 2.50 or higher for all courses used to fulfill the certificate requirements.

Spanish for the Health and Human Services Certificate

This certificate is jointly offered by the School of Mental Health and Behavioral Sciences and the Department of Languages, Cultures and Religions. The certificate is designed to improve Spanish skills and cultural competencies among health and human service students and professionals to address a growing need for bilingual service providers in southwest Missouri.

This certificate is administered by the School of Mental Health and Behavioral Sciences.

Admission requirement

Complete SPN 312 - Spanish Composition, with a grade of C or better or through accelerated pathway for Heritage speakers or proficiency placement exam.

Program requirements

- SPN 316 - Spanish for the Professions
- SPN 317 - Medical Spanish
- SWK 375 - Social Work Perspectives with Latino/a Communities
- SWK 599 - Health Literacy in the Human Services

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirement

Attain a GPA of at least 2.50 or higher in courses used to complete the certificate requirements.

Sport Administration Certificate

This certificate provides students with broad exposure to foundational courses in the study of sport administration as it applies to recreation and administration, to enhance student preparation, and for further graduate and/or professional study in a variety of recreation and sport fields.

Program requirements

- SPR 152 - Introduction to Sport, Recreation, and Society
- SPR 406 - Promoting Sport and Recreation Services
- SPR 415 - Risk Management for Sport and Recreation Agencies

- KIN 286 - Ethics and Diversity in American Sport
  OR
- KIN 386 - Social Basis of Physical Activity and Sport

Total credit hours: 12

Completion requirements

- Attain a grade of C or better in all courses used to fulfill the certificate requirements.
- Attain a GPA of 2.50 or higher for all courses used to fulfill the certificate requirements.

Sports Medicine Certificate

Sports Medicine is a diverse field of health care focused on the prevention and treatment of disease and injuries related to exercise and sports. This certificate provides course work related to basic sports medicine concept sand experience in a sports medicine setting.

Program requirements

- ATC 220 - Introduction to Sports Medicine
- ATC 221 - Clinical Skills in Sports Medicine
- ATC 222 - Athletic Injuries
- ATC 225 - Sports Medicine Observation
- ATC 413 - Informatics and Terminology in Healthcare

Three hours from:

- HCM 301 - Health Care Organization
- HCM 303 - Health Care Legal Issues
- IPE 375 - Introduction to Interprofessional Health Care
- IPE 576 - Professional Issues in Health Services

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Sports Nutrition Certificate

This certificate is designed for students interested in learning the role nutrition plays in an athlete's performance. Students will learn about hydration, nutrition requirements, ergogenic aids, and metabolism. Students completing this program will have an enhanced understanding of sports nutrition and its application for athletes of all abilities.

Program requirements

- DTN 240 - Introduction to Nutrition
- DTN 430 - Sports Nutrition

- BMS 567 - Physiology of Exercise Metabolism
  OR
- KIN 362 - Exercise Physiology

Two hours from:

- DTN 130 - Social and Behavioral Applications of Human Nutrition
- DTN 395 - Nutrition Intervention in Eating Disorders
- DTN 497 - Topics in Nutrition and Dietetics
- DTN 498 - Undergraduate Research
- DTN 532 - Human Nutrition and Metabolism

Other approved electives (1-3) may be counted with approval from Public Health and Sports Medicine Department.

All candidates must satisfy the General University Certificate Requirements.

Sustainable Tourism Certificate

This certificate provides students with broad exposure to foundational courses in the study of sustainable development in both local and global tourism, as it applies to recreation. Aims to enhance students preparation for further graduate and/or tourism study in a variety of recreation and tourism fields.

Program Requirements

- SPR 302 - Ecotourism
- SPR 320 - Fundamentals of Tourism
- SPR 495 - Seminar in Sport and Recreation Administration (3 hours)

One course from:

- SPR 211 - Principles of Outdoor Recreation and Adventure Sports
- SPR 304 - Community Recreation and Tourism
- SPR 406 - Promoting Sport and Recreation Services
- GRY 318 - Geography of the National Parks

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion requirements

- Attain a grade of C or better in all courses used to fulfill the certificate requirements.
- Attain a GPA of 2.50 or higher for all courses used to fulfill the certificate requirements.

William H. Darr College of Agriculture

Academic Units

Schools

- School of Agricultural Science and Conservation
- School of Hospitality and Agricultural Leadership

Facilities

- Facilities (Mountain Grove Campus, Darr Agricultural Center, Fruit Experiment Station, Shealy Farm, Journagan Ranch, Kindrick Family Farm, The Woodlands, Baker's Acres)

Contact

Dean

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Majors

Agricultural Business (Comprehensive) (BS)

Major requirements

Major core (58-61 hours):

Note: 12-13 hours may double count toward General Education requirements.

- AGB 144 - Agricultural Economics I
- AGB 314 - Legal Aspects of Agriculture

OR

- LAW 231 - Legal Environment of Business
- AGB 334 - Marketing Agricultural Products
- AGB 354 - Land Economics
- AGB 364 - Introduction to Agricultural Risk Management: Commodity Futures and Options
- AGB 374 - Agricultural Business Management
- AGB 554 - Agricultural Industry Study
- AGB 514 - International Agricultural Trade

OR

- ECO 565 - International Economics

OR

- MKT 474 - International Marketing
- AGB 524 - Agricultural Prices
- AGB 444 - American Agricultural Policy

OR

- 2 hours of AGR 499 - Internship in Agriculture
- ACC 201 - Introduction to Financial Accounting
- AGC 393 - Public Relations in Agriculture
- AGN 115 - Sustainable Agriculture and the Environment

OR

- AGP 103 - Plant Science
- AGN 215 - Soils
- AGR 330 - Statistical Applications in Agriculture

OR

- QBA 237 - Basic Business Statistics
- AGR 490 - Career Preparation in Agriculture

Specific General Education Requirements:

- CHM 107 - Chemistry for the Citizen **AND**
- CHM 108 - Chemistry for the Citizen Laboratory

OR

- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory

OR

- CHM 160 - General Chemistry I
- GEP 101 - First-Year Foundations

OR

- UHC 110 - Freshman Honors Seminar

OR

- AGR 301 - Agriculture Transfer Student Orientation
- MTH 134 - Algebraic Reasoning and Modeling or higher numbered mathematics course listed in the General Education Quantitative Literacy requirement.
- PSY 121 - Introductory Psychology

One course from:

- AGB 384 - Agricultural Selling
- COM 315 - Advanced Speaking in Professional Settings
- MGT 286 - Business Communication and Professional Development

Public Affairs Capstone Experience Requirement will be fulfilled by completion of:

- AGB 554 - Agricultural Industry Study
- AGR 490 - Career Preparation in Agriculture

Complete one of the following options:

Agricultural Enterprise Management option (18 hours):

- AGC 373 - Online Communication for Agricultural Organizations

OR

- AGB 344 - Financing Agriculture

OR

- AGB 534 - Production Economics

OR

- AGB 584 - Farm Business Management
- AGB 594 - Agricultural Entrepreneurship

OR

- ENT 584 - Feasibility Study

12 hours from one of the following groups:

Animal Science:

AGS 101 - Animal Science

AGS 161 - Introduction to Horses

AGS 301 - Physiology of Farm Animals

AGS 302 - Reproductive Physiology

AGS 306 - Veterinary Science

AGS 310 - Animal Nutrition

OR

AGS 311 - Feeds and Feeding

AGS 316 - Animal Breeding

AGS 342 - Meat Science and Products

AGS 346 - Dairy Products

AGS 361 - Horse Management and Training

AGS 402 - Applied Reproductive Techniques

AGS 432 - Sheep and Goat Science

AGS 442 - Swine Science

AGS 446 - Dairy Production

AGS 451 - Poultry Science

AGS 452 - Cow-Calf Production

AGS 461 - Equine Nutrition and Physiology

AGS 511 - Animal Nutrition and Metabolism

AGP 365 - Grain Crops for Food, Feed and Energy

OR

AGP 370 - Forage Crops for Animals and the Environment

Natural Resources:

AGN 143 - Introductory Forestry

AGN 335 - Soil Conservation and Water Management

AGN 345 - Forest Ecosystems

AGN 405 - Soil Fertility and Plant Nutrition

AGN 455 - Soil Genesis, Morphology and Classification

AGP 485 - Weed Science

AGP 543 - Greenhouse Management

Environmental Plant Science:

AGP 303 - Suburban Horticulture

AGP 333 - Landscape Design

AGP 353 - Turf Science

AGP 363 - Landscape Plants

AGP 365 - Grain Crops for Food, Feed and Energy

AGP 370 - Forage Crops for Animals and the Environment

AGP 393 - Fruit Production

AGP 403 - Nursery Management

AGP 441 - Vegetable Production

AGP 485 - Weed Science

OR

AGP 585 - Weed Ecology and Management

AGN 543 - Silviculture

AGP 573 - Plant Propagation

AGP 575 - Plant Breeding and Genetics

AGP 583 - Plant Pathology

Agricultural Finance and Management option (21 hours):

- ACC 211 - Introduction to Managerial Accounting
- AGB 344 - Financing Agriculture
- AGB 584 - Farm Business Management
- AGS 101 - Animal Science

Two courses from:

- ACC 311 - Managerial Cost Accounting
- AGB 534 - Production Economics
- FIN 266 - Principles of Real Estate
- FIN 380 - Financial Management
- MGT 340 - Principles of Management
- MGT 345 - Human Resources Management
- RMI 211 - Principles of Risk Management and Insurance
- RMI 415 - Risk Management

One course from:

- AGN 335 - Soil Conservation and Water Management
- AGN 543 - Silviculture
- AGP 303 - Suburban Horticulture
- AGP 353 - Turf Science
- AGP 365 - Grain Crops for Food, Feed and Energy
- AGP 370 - Forage Crops for Animals and the Environment
- AGP 485 - Weed Science

  OR
- AGP 585 - Weed Ecology and Management
- AGP 583 - Plant Pathology
- AGS 310 - Animal Nutrition

  OR
- AGS 311 - Feeds and Feeding

Agricultural Marketing and Sales option (15 hours):

- AGC 373 - Online Communication for Agricultural Organizations

  OR
- AGB 344 - Financing Agriculture

  OR
- AGB 534 - Production Economics

  OR
- AGB 584 - Farm Business Management
- AGS 101 - Animal Science

Two courses from:

- MKT 351 - Consumer Behavior
- MKT 354 - Principles of Advertising

- MKT 355 - Principles of Retailing
- MKT 360 - Marketing Research
- MGT 340 - Principles of Management
  OR
- MGT 345 - Human Resources Management

One course from:

- AGN 335 - Soil Conservation and Water Management
- AGN 543 - Silviculture
- AGP 303 - Suburban Horticulture
- AGP 353 - Turf Science
- AGP 365 - Grain Crops for Food, Feed and Energy
- AGP 370 - Forage Crops for Animals and the Environment
- AGP 485 - Weed Science
  OR
- AGP 585 - Weed Ecology and Management
- AGP 583 - Plant Pathology
- AGS 310 - Animal Nutrition
  OR
- AGS 311 - Feeds and Feeding

Total Credit Hours: 73-82 hours

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Agricultural Communications (Comprehensive) (BS)

Major requirements

Note: 13-14 hours may double count toward the General Education requirements.

Specific General Education requirements:

- AGR 100 - Food Security
- BIO 101 - Biology in Your World **AND**
- BIO 111 - Laboratory for Biology in Your World
  OR
- BIO 121 - General Biology I

- CHM 107 - Chemistry for the Citizen **AND**
- CHM 108 - Chemistry for the Citizen Laboratory
  OR
- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory

OR

- CHM 160 - General Chemistry I

- GEP 101 - First-Year Foundations

OR

- UHC 110 - Freshman Honors Seminar

OR

- AGR 301 - Agriculture Transfer Student Orientation

General Agriculture courses:

- AGS 101 - Animal Science
- AGN 115 - Sustainable Agriculture and the Environment

OR

- AGP 103 - Plant Science
- AGN 215 - Soils
- AGB 144 - Agricultural Economics I
- AGR 490 - Career Preparation in Agriculture

Agricultural Communications courses:

- AGC 183 - Introduction to Agricultural Communications
- AGC 293 - News Writing in Agriculture
- AGC 313 - Feature Writing for Agricultural Publications
- AGC 323 - Media in Agriculture
- AGC 333 - Layout and Design for Agricultural Publications
- AGC 343 - Agricultural Photography
- AGC 373 - Online Communication for Agricultural Organizations
- AGC 393 - Public Relations in Agriculture
- AGC 493 - Capstone in Agricultural Communications
- AGC 499 - College of Agriculture Communications Internship
- AGR 499 - Internship in Agriculture (2 hours required)
- COM 209 - Survey of Communication Theory

Three additional upper division hours from each of the following three areas:

- Agricultural Business (AGB)
- Animal Science (AGS)
- Environmental Plant Science and Natural Resources (AGP/AGN)

Additional nine hours:

In consultation with advisor select an additional nine hours in courses numbered 300 or higher from the following subject codes: AGB, AGN, AGP, AGR, AGS, COM, JRN, MED, MGT, MKT.

Public Affairs Capstone Experience Requirement

will be fulfilled by completion of

- AGC 493 - Capstone in Agricultural Communications

Total Credit Hours: 78-79 hours

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Agriculture Education (BSEd)

Major requirements

Note: 13-14 hours may double count toward the General Education requirements.

- AGB 144 - Agricultural Economics I
- AGB 334 - Marketing Agricultural Products
- AGE 337 - Agricultural Mechanics Practices
- AGP 103 - Plant Science
  OR
- AGN 115 - Sustainable Agriculture and the Environment
- AGN 143 - Introductory Forestry
- AGN 215 - Soils
- AGN 335 - Soil Conservation and Water Management
  OR
- AGR 383 - course deleted-see advisor
- AGP 303 - Suburban Horticulture
  OR
- AGP 333 - Landscape Design
  OR
- AGP 543 - Greenhouse Management
- AGS 101 - Animal Science
- AGE 318 - Introduction to Agricultural Education
- AGE 568 - Course and Program Building in Agricultural Education
- AGE 578 - Methods of Teaching Agricultural Management
- AGE 588 - Methods of Teaching Agricultural Laboratory Management

Specific General Education requirements:

- BIO 101 - Biology in Your World
- BIO 111 - Laboratory for Biology in Your World
- CHM 107 - Chemistry for the Citizen **AND**
- CHM 108 - Chemistry for the Citizen Laboratory
  OR
- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory
  OR
- CHM 160 - General Chemistry I

- GEP 101 - First-Year Foundations

OR

- UHC 110 - Freshman Honors Seminar

OR

- AGR 301 - Agriculture Transfer Student Orientation
- PSY 121 - Introductory Psychology

Area of Specialization:

Students must select a minimum of 20 hours of Agriculture courses to complete 45 hours of Technical Agriculture required by the Missouri Department of Elementary and Secondary Education (MoDESE). These courses must consist of any agriculture course not required as a major or Professional Education requirement.

Public Affairs Capstone Experience Requirement

will be fulfilled by completion of

- AGE 493 - Supervised Teaching (Secondary Agriculture)
- AGE 494 - Supervised Teaching (Secondary Agriculture)

Total Credit Hours: 71-72 hours

Professional Education requirements

Note: A grade of "C" or better in each course is required for state certification.

Teaching methods and supervised teaching (15 hours):

- AGE 558 - Teaching of Agriculture
- AGE 493 - Supervised Teaching (Secondary Agriculture)
- AGE 494 - Supervised Teaching (Secondary Agriculture)

Additional Professional Education Required Core and Competencies (20 hours):

Refer to Teacher Education and Teacher Certification Requirements.

This program also requires compliance with Teacher Education for eligibility to enroll in Professional Education courses; admission to and continuance in Teacher Education; approval for supervised teaching; and recommendation for certification which includes following GPA requirements. All GPA requirements include both Missouri State and transfer grades.

- at least a 3.00 GPA in the certificate subject area (major field of study) which includes all courses listed under major requirements.
- at least a 3.00 GPA in any additional certificate subject area.
- at least a 3.00 GPA in the professional education courses which includes all courses in number 1 and 2;and no grade lower than a "C" in all professional education courses.

Total Credit Hours: 35

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Animal Science (Comprehensive) (BS)

Major requirements

Note: 13-14 hours may double count toward the General Education requirements.

- AGB 144 - Agricultural Economics I
- AGP 103 - Plant Science
  OR
- AGN 115 - Sustainable Agriculture and the Environment
- AGP 365 - Grain Crops for Food, Feed and Energy
  OR
- AGP 370 - Forage Crops for Animals and the Environment
- AGR 300 - Food and Agricultural Chemistry
  OR
- CHM 201 - Essentials of Organic Chemistry
- AGR 490 - Career Preparation in Agriculture
- AGS 101 - Animal Science
- AGS 102 - Animal Science Laboratory
- AGS 301 - Physiology of Farm Animals
- AGS 302 - Reproductive Physiology
- AGS 310 - Animal Nutrition
- AGS 311 - Feeds and Feeding

- AGS 316 - Animal Breeding
  OR
- BIO 235 - Genetics

- AGS 366 - Livestock Enterprise Management
- AGS 432 - Sheep and Goat Science
  OR
- AGS 452 - Cow-Calf Production
  OR
- AGS 453 - Stocker and Feedlot Cattle Production
  OR
- AGS 461 - Equine Nutrition and Physiology
  OR
- AGS 485 - Companion Animal Management and Behavior

Specific General Education requirements:

- BIO 101 - Biology in Your World **AND**
- BIO 111 - Laboratory for Biology in Your World
  OR
- BIO 121 - General Biology I
- CHM 107 - Chemistry for the Citizen **AND**
- CHM 108 - Chemistry for the Citizen Laboratory

OR

- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory

OR

- CHM 160 - General Chemistry I **AND**
- CHM 161 - General Chemistry I Laboratory
- GEP 101 - First-Year Foundations

OR

- UHC 110 - Freshman Honors Seminar
- MTH 130 - Contemporary Mathematics or higher numbered mathematics course listed in the General Education Quantitative Literacy requirement.

Public Affairs Capstone Experience Requirement:

- 3 hours of AGS 496 - Ranch Management Experience

OR

- AGS 497 - Animal Science Undergraduate Capstone Project

OR

- AGS 498 - Animal Science Undergraduate Research Experience

OR

- 3 hours of AGS 499 - Animal Industry Internship

18 hours from the following two groups of courses

including at least eight hours from Group A, five hours from Group B, and an additional five hours from Groups A or B:

Group A courses:

- AGS 161 - Introduction to Horses
- AGS 162 - Introduction to Riding
- AGS 163 - Introduction to Hunt Seat Equestrian Competition
- AGS 164 - Introduction to Stock Seat Equestrian Competition
- AGS 185 - Introduction to Companion Animal Science
- AGS 191 - Evaluation and Performance Appraisal of Horses
- AGS 196 - Dairy and Meat Animal Evaluation
- AGS 251 - Introduction to the Beef Industry
- AGS 262 - Introduction to Riding II
- AGS 263 - Intermediate Hunt Seat Equestrian Competition
- AGS 264 - Intermediate Stock Seat Equestrian Competition
- AGS 306 - Veterinary Science
- AGS 341 - Food Safety
- AGS 342 - Meat Science and Products
- AGS 346 - Dairy Products
- AGS 361 - Horse Management and Training
- AGS 362 - Riding Instruction
- AGS 363 - Advanced Hunt Seat Equestrian Competition
- AGS 364 - Advanced Stock Seat Equestrian Competition
- AGS 365 - Equine-assisted Activities and Therapies
- AGS 385 - Companion Animal Nutrition and Reproduction
- AGS 386 - Companion Animal Health

- AGS 389 - Companion Animals in Society
- AGS 391 - Animal Industry Tour
- AGS 396 - Advanced Dairy and Meat Animal Evaluation
- AGS 399 - Special Topics in Animal Science
- AGS 402 - Applied Reproductive Techniques
- AGS 432 - Sheep and Goat Science
- AGS 442 - Swine Science
- AGS 446 - Dairy Production
- AGS 452 - Cow-Calf Production
- AGS 453 - Stocker and Feedlot Cattle Production
- AGS 461 - Equine Nutrition and Physiology
- AGS 462 - Equine Reproductive Management
- AGS 485 - Companion Animal Management and Behavior
- AGS 492 - Problems in Animal Science
- AGS 511 - Animal Nutrition and Metabolism

Group B courses:

- AGB 314 - Legal Aspects of Agriculture
- AGB 334 - Marketing Agricultural Products
- AGB 344 - Financing Agriculture
- AGB 354 - Land Economics
- AGB 364 - Introduction to Agricultural Risk Management: Commodity Futures and Options
- AGB 374 - Agricultural Business Management
- AGB 384 - Agricultural Selling
- AGB 394 - Agricultural Industry Study
- AGB 444 - American Agricultural Policy
- AGB 494 - Problems in Agricultural Business
- AGB 499 - Internship in Agribusiness, Agricultural Education and Communication
- AGB 514 - International Agricultural Trade
- AGB 524 - Agricultural Prices
- AGB 534 - Production Economics
- AGB 574 - Advanced Agricultural Risk Management
- AGB 584 - Farm Business Management
- AGB 594 - Agricultural Entrepreneurship
- AGC 183 - Introduction to Agricultural Communications
- AGC 293 - News Writing in Agriculture
- AGC 303 - Event Communications for Agricultural Organizations
- AGC 313 - Feature Writing for Agricultural Publications
- AGC 323 - Media in Agriculture
- AGC 333 - Layout and Design for Agricultural Publications
- AGC 343 - Agricultural Photography
- AGC 393 - Public Relations in Agriculture
- AGC 493 - Capstone in Agricultural Communications
- AGE 318 - Introduction to Agricultural Education
- AGE 337 - Agricultural Mechanics Practices
- AGN 143 - Introductory Forestry
- AGN 215 - Soils
- AGN 216 - Soils Lab
- AGN 323 - Intermediate Forestry

- AGN 335 - Soil Conservation and Water Management
- AGN 336 - Dendrology and Wood Science
- AGN 343 - Measurements and Sampling for Forest Management
- AGN 345 - Forest Ecosystems
- AGN 351 - Game Bird Production
- AGN 353 - Wildland Fire Management
- AGN 405 - Soil Fertility and Plant Nutrition
- AGN 455 - Soil Genesis, Morphology and Classification
- AGN 465 - Environmental Soil Science
- AGN 495 - Problems in Plant Science and Natural Resources
- AGN 543 - Silviculture
- AGP 103 - Plant Science
- AGP 104 - Plant Science Laboratory
- AGP 303 - Suburban Horticulture
- AGP 323 - Plant Structure and Function
- AGP 325 - Herbaceous Plants
- AGP 333 - Landscape Design
- AGP 353 - Turf Science
- AGP 363 - Landscape Plants
- AGP 365 - Grain Crops for Food, Feed and Energy
- AGP 370 - Forage Crops for Animals and the Environment
- AGP 393 - Fruit Production
- AGP 399 - Special Topics Plant Science
- AGP 403 - Nursery Management
- AGP 425 - Hydroponic Systems
- AGP 433 - Advanced Landscape Design
- AGP 441 - Vegetable Production
- AGP 442 - Vegetable Production Practicum
- AGP 444 - High Tunnel Crop Production
- AGP 453 - Crop Physiology
- AGP 460 - Site Specific Techniques in Agriculture and Natural Resources
- AGP 485 - Weed Science
- AGP 513 - Insects Affecting Horticulture and Forestry Crops
- AGP 543 - Greenhouse Management
- AGP 573 - Plant Propagation
- AGP 581 - Applied Entomology
- AGP 583 - Plant Pathology
- AGR 157 - Principles of Agricultural Mechanization
- AGR 200 - Mini Agriculture
- AGR 250 - Agricultural Communications
- AGR 299 - Special Topics
- AGR 305 - Agriculture Calculations
- AGR 313 - Beekeeping
- AGR 330 - Statistical Applications in Agriculture
- AGR 357 - Agricultural Power
- AGR 370 - Animal Welfare, Animal Rights, and the Ethics of Food Production
- AGR 377 - Agricultural Structures and Systems
- AGR 399 - Special Topics
- AGR 499 - Internship in Agriculture
- BIO 212 - Elements of Microbiology
- BIO 213 - Elements of Microbiology Laboratory

- CHM 202 - Essentials of Organic Chemistry Laboratory
- CHM 352 - Introduction to Biochemistry

Total Credit Hours: 73-74 hours

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Environmental Plant Science (Comprehensive) (BS)

Major requirements

Note: 10-11 hours may double count toward the General Education requirements.

Major core (51-55)

- AGB 144 - Agricultural Economics I
- any AGB course numbered 300 or higher **Credit Hours:** 1-3
- AGN 115 - Sustainable Agriculture and the Environment
- AGN 215 - Soils
- AGN 216 - Soils Lab
- AGN 335 - Soil Conservation and Water Management
- AGN 405 - Soil Fertility and Plant Nutrition
- AGP 103 - Plant Science
- AGP 104 - Plant Science Laboratory
- AGP 323 - Plant Structure and Function
- AGP 453 - Crop Physiology
- AGP 581 - Applied Entomology
- AGP 583 - Plant Pathology
- AGP 585 - Weed Ecology and Management
- AGR 490 - Career Preparation in Agriculture

Specific General Education Requirements:

- BIO 101 - Biology in Your World **AND**
- BIO 111 - Laboratory for Biology in Your World

OR

- BIO 121 - General Biology I
- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory

OR

- CHM 160 - General Chemistry I **AND**
- CHM 161 - General Chemistry I Laboratory
- GEP 101 - First-Year Foundations

OR

- UHC 110 - Freshman Honors Seminar

OR

- AGR 301 - Agriculture Transfer Student Orientation

Public Affairs Capstone Experience Requirement:

- 3 hours of AGP 499 - Internship in Plant Science and Natural Resources

Complete one of the following options:

Crop Science option (14-19 hours):

- AGN 465 - Environmental Soil Science
- GEO 363 - Introduction to Geographic Information Science

Four courses from:

- AGN 543 - Silviculture
- AGP 365 - Grain Crops for Food, Feed and Energy
- AGP 370 - Forage Crops for Animals and the Environment
- AGP 455 - Plant Molecular Biology
- AGP 460 - Site Specific Techniques in Agriculture and Natural Resources
- AGP 575 - Plant Breeding and Genetics
- AGP 576 - Plant Breeding and Genetics Lab
- AGP 580 - Plant Biotechnology
- AGR 300 - Food and Agricultural Chemistry
- AGR 599 - International Study in Agriculture

Horticulture option (15-19 hours):

Six courses from:

- AGN 143 - Introductory Forestry
- AGN 543 - Silviculture
- AGP 325 - Herbaceous Plants
- AGP 333 - Landscape Design
- AGP 353 - Turf Science
- AGP 363 - Landscape Plants
- AGP 393 - Fruit Production
- AGP 425 - Hydroponic Systems
- AGP 441 - Vegetable Production
- AGP 442 - Vegetable Production Practicum
- AGP 444 - High Tunnel Crop Production
- AGP 460 - Site Specific Techniques in Agriculture and Natural Resources
- AGP 511 - Viticulture
- AGP 543 - Greenhouse Management
- AGP 573 - Plant Propagation
- AGR 300 - Food and Agricultural Chemistry
- AGR 599 - International Study in Agriculture
- GEO 363 - Introduction to Geographic Information Science

Plant Breeding and Biotechnology option (19-21 hours):

- AGP 455 - Plant Molecular Biology
- AGP 575 - Plant Breeding and Genetics
- AGP 576 - Plant Breeding and Genetics Lab
- AGP 580 - Plant Biotechnology

Six hours from:

- AGR 300 - Food and Agricultural Chemistry
- BIO 235 - Genetics
- BIO 236 - Genetics Laboratory
- BIO 310 - Microbiology

OR

- BIO 312 - Microbiology **AND**
- BIO 313 - Microbiology Laboratory
- BIO 544 - Plant Physiology
- CHM 201 - Essentials of Organic Chemistry
- CHM 202 - Essentials of Organic Chemistry Laboratory
- CHM 352 - Introduction to Biochemistry
- CHM 353 - Introduction to Biochemistry Laboratory

Three hours from:

- AGN 543 - Silviculture
- AGP 365 - Grain Crops for Food, Feed and Energy
- AGP 370 - Forage Crops for Animals and the Environment
- AGP 393 - Fruit Production
- AGP 441 - Vegetable Production
- AGP 511 - Viticulture

One additional course from above or from:

- AGP 460 - Site Specific Techniques in Agriculture and Natural Resources
- AGR 599 - International Study in Agriculture
- BIO 508 - Environmental Microbiology
- BIO 550 - Statistical Methods for Biologists
- GEO 363 - Introduction to Geographic Information Science

Total Credit Hours: 65-76 hours

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Equine Science (Comprehensive) (BS)

Major requirements

Note: 13-16 hours may double count toward the General Education requirements.

- AGB 144 - Agricultural Economics I

- AGP 103 - Plant Science
  OR
- AGN 115 - Sustainable Agriculture and the Environment
- AGP 365 - Grain Crops for Food, Feed and Energy
  OR
- AGP 370 - Forage Crops for Animals and the Environment
- AGR 300 - Food and Agricultural Chemistry
- AGR 490 - Career Preparation in Agriculture
- AGS 101 - Animal Science
- AGS 102 - Animal Science Laboratory
- AGS 191 - Evaluation and Performance Appraisal of Horses
- AGS 301 - Physiology of Farm Animals
- AGS 302 - Reproductive Physiology
- AGS 310 - Animal Nutrition
- AGS 311 - Feeds and Feeding
- AGS 316 - Animal Breeding
- AGS 361 - Horse Management and Training
- AGS 362 - Riding Instruction
  OR
- AGS 365 - Equine-assisted Activities and Therapies
- AGS 366 - Livestock Enterprise Management
- AGS 461 - Equine Nutrition and Physiology

Specific General Education requirements:

- BIO 101 - Biology in Your World **AND**
- BIO 111 - Laboratory for Biology in Your World
  OR
- BIO 121 - General Biology I
- CHM 107 - Chemistry for the Citizen **AND**
- CHM 108 - Chemistry for the Citizen Laboratory
  OR
- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory
  OR
- CHM 160 - General Chemistry I
- GEP 101 - First-Year Foundations
  OR
- UHC 110 - Freshman Honors Seminar
  OR
- AGR 301 - Agriculture Transfer Student Orientation
- MTH 130 - Contemporary Mathematics
  OR
- MTH 138 - Pre-Calculus Mathematics
  OR

- MTH 261 - Analytic Geometry and Calculus I
  OR
- MTH 287 - Computational Calculus with Analytic Geometry I

Public Affairs Capstone Experience Requirement:

- AGS 496 - Ranch Management Experience
  OR
- AGS 497 - Animal Science Undergraduate Capstone Project
  OR
- AGS 498 - Animal Science Undergraduate Research Experience
  OR
- 3 hours of AGS 499 - Animal Industry Internship

12 hours from the following two groups of courses

including at least six hours from Group A, three hours from Group B, and an additional three hours from Groups A or B:

Group A courses:

- AGR 399 - Special Topics
- AGS 161 - Introduction to Horses
- AGS 162 - Introduction to Riding
- AGS 163 - Introduction to Hunt Seat Equestrian Competition
- AGS 164 - Introduction to Stock Seat Equestrian Competition
- AGS 185 - Introduction to Companion Animal Science
- AGS 262 - Introduction to Riding II
- AGS 263 - Intermediate Hunt Seat Equestrian Competition
- AGS 264 - Intermediate Stock Seat Equestrian Competition
- AGS 306 - Veterinary Science
- AGS 342 - Meat Science and Products
- AGS 346 - Dairy Products
- AGS 361 - Horse Management and Training
- AGS 362 - Riding Instruction
- AGS 363 - Advanced Hunt Seat Equestrian Competition
- AGS 364 - Advanced Stock Seat Equestrian Competition
- AGS 385 - Companion Animal Nutrition and Reproduction
- AGS 386 - Companion Animal Health
- AGS 389 - Companion Animals in Society
- AGS 402 - Applied Reproductive Techniques
- AGS 432 - Sheep and Goat Science
- AGS 442 - Swine Science
- AGS 446 - Dairy Production
- AGS 452 - Cow-Calf Production
- AGS 453 - Stocker and Feedlot Cattle Production
- AGS 462 - Equine Reproductive Management
- AGS 485 - Companion Animal Management and Behavior
- AGS 492 - Problems in Animal Science
- AGS 511 - Animal Nutrition and Metabolism

Group B courses:

- AGB 314 - Legal Aspects of Agriculture
- AGB 334 - Marketing Agricultural Products
- AGB 344 - Financing Agriculture
- AGB 354 - Land Economics
- AGB 364 - Introduction to Agricultural Risk Management: Commodity Futures and Options
- AGB 374 - Agricultural Business Management
- AGB 384 - Agricultural Selling
- AGB 394 - Agricultural Industry Study
- AGB 444 - American Agricultural Policy
- AGB 494 - Problems in Agricultural Business
- AGB 514 - International Agricultural Trade
- AGB 524 - Agricultural Prices
- AGB 534 - Production Economics
- AGB 584 - Farm Business Management
- AGB 594 - Agricultural Entrepreneurship
- AGC 183 - Introduction to Agricultural Communications
- AGC 323 - Media in Agriculture
- AGC 333 - Layout and Design for Agricultural Publications
- AGN 143 - Introductory Forestry
- AGN 215 - Soils
- AGN 216 - Soils Lab
- AGN 335 - Soil Conservation and Water Management
- AGN 343 - Measurements and Sampling for Forest Management
- AGN 351 - Game Bird Production
- AGN 405 - Soil Fertility and Plant Nutrition
- AGN 455 - Soil Genesis, Morphology and Classification
- AGN 543 - Silviculture
- AGP 325 - Herbaceous Plants
- AGP 333 - Landscape Design
- AGP 363 - Landscape Plants
- AGP 365 - Grain Crops for Food, Feed and Energy
- AGP 370 - Forage Crops for Animals and the Environment
- AGP 393 - Fruit Production
- AGR 250 - Agricultural Communications
- AGR 330 - Statistical Applications in Agriculture
- AGR 370 - Animal Welfare, Animal Rights, and the Ethics of Food Production
- AGR 377 - Agricultural Structures and Systems
- AGR 399 - Special Topics
- AGR 499 - Internship in Agriculture
- BIO 212 - Elements of Microbiology
- BIO 213 - Elements of Microbiology Laboratory
- CHM 202 - Essentials of Organic Chemistry Laboratory
- CHM 352 - Introduction to Biochemistry

Total Credit Hours: 75-78 hours

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

General Agriculture (BAS)

Major requirements

- Associate of Science or Associate of Applied Science degree from an accredited institution. Contact the College of Agriculture for details.

- AGN 115 - Sustainable Agriculture and the Environment
  OR
- AGP 103 - Plant Science

- AGN 215 - Soils
- AGB 144 - Agricultural Economics I
- AGR 157 - Principles of Agricultural Mechanization
- AGR 301 - Agriculture Transfer Student Orientation
- AGS 101 - Animal Science

35 hours of upper-division coursework in Agriculture:

including Public Affairs Capstone Experience requirement of 3 hours of AGR 499 - Internship in Agriculture.

Total Credit Hours: 53

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

General Agriculture (Comprehensive) (BS)

Major requirements

Major core (48-51 hours):

Note: 16-17 hours may double count toward General Education requirements

- AGS 101 - Animal Science
- AGN 115 - Sustainable Agriculture and the Environment
  OR
- AGP 103 - Plant Science

- AGN 215 - Soils
- AGB 144 - Agricultural Economics I

- AGR 157 - Principles of Agricultural Mechanization

- AGR 300 - Food and Agricultural Chemistry
  OR
- CHM 201 - Essentials of Organic Chemistry **AND**
- CHM 202 - Essentials of Organic Chemistry Laboratory

Specific General Education Requirements:

- AGR 100 - Food Security
- BIO 101 - Biology in Your World **AND**
- BIO 111 - Laboratory for Biology in Your World
  OR
- BIO 121 - General Biology I
- CHM 107 - Chemistry for the Citizen **AND**
- CHM 108 - Chemistry for the Citizen Laboratory
  OR
- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory
  OR
- CHM 160 - General Chemistry I
- GEP 101 - First-Year Foundations
  OR
- UHC 110 - Freshman Honors Seminar
  OR
- AGR 301 - Agriculture Transfer Student Orientation

- PSY 121 - Introductory Psychology

Three additional hours from each of the following three areas:

- Agriculture Business
- Animal Science
- Environmental Plant Science.

Public Affairs Capstone Experience Requirement:

Three hours of AGR 499 - Internship in Agriculture.

Complete one of the following options:

Agricultural Communications option (24 hours):

- COM 209 - Survey of Communication Theory
  OR
- MED 120 - Mass Media and Society
- JRN 270 - Introduction to Journalism
- AGB 394 - Agricultural Industry Study
- AGB 494 - Problems in Agricultural Business

16 additional hours of courses with ENG, MED, COM, or JRN course codes in consultation with advisor.

Agriculture option (24 hours):

Six hours of Agriculture courses from each of the following four areas:

- Agricultural Business
- Animal Science
- Environmental Plant Science
- Natural Resources.

Total Credit Hours: 72-75

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Hospitality Leadership (BAS)

Major Requirements

- HSP 210 - Essentials of Hospitality Leadership
- HSP 215 - Introduction to Lodging Management
- HSP 218 - Safety and Sanitation

- HSP 220 - Money Talks: Managing Hospitality Finances

OR

- ACC 201 - Introduction to Financial Accounting

- HSP 230 - Creating Exceptional Guest Experiences
- HSP 321 - Principles of Food Preparation

Associate of Science or Associate of Applied Science degree from an accredited institution.

Contact the School of Hospitality and Agricultural Leadership for more information.

Core Courses:

- HSP 310 - Analyzing Financial Performance in Hospitality Operations
- HSP 354 - Hospitality Human Resource Development
- HSP 428 - Hospitality Law
- HSP 490 - Advanced Hospitality Leadership
- HSP 499 - Internship in Hospitality

12 Additional Hours of Upper Division HSP Electives.

Public Affairs Capstone Experience will be fulfilled by completion of:

- HSP 490 - Advanced Hospitality Leadership
- HSP 499 - Internship in Hospitality

Seven Additional Hours of

advisor approved upper division electives to bring total upper division hours in degree to 40.

Total Credit Hours: 52-53

University Level Requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Hospitality Leadership (Comprehensive) (BS)

Major Requirements

Major Core (45-46 hours):

Note: Three hours may double count toward General Education requirements.

- HSP 210 - Essentials of Hospitality Leadership
- HSP 215 - Introduction to Lodging Management
- HSP 218 - Safety and Sanitation
- HSP 220 - Money Talks: Managing Hospitality Finances

OR

- ACC 201 - Introduction to Financial Accounting
- HSP 230 - Creating Exceptional Guest Experiences
- HSP 310 - Analyzing Financial Performance in Hospitality Operations
- HSP 321 - Principles of Food Preparation
- HSP 354 - Hospitality Human Resource Development
- HSP 410 - Hospitality Marketing
- HSP 426 - Food and Beverage Management
- HSP 428 - Hospitality Law
- HSP 480 - Global Strategic Management in the Hospitality Industry
- HSP 490 - Advanced Hospitality Leadership
- HSP 499 - Internship in Hospitality

Specific General Education Requirement:

- GRY 100 - World Regional Geography

Public Affairs Capstone Experience will be fulfilled by completion of:

- HSP 490 - Advanced Hospitality Leadership
- HSP 499 - Internship in Hospitality

Electives

to bring total number of hours to 120. Students are encouraged to use these hours to complete more than one option and to take HSP electives.

Complete One of the Following Options:

Club Management Option (9 Hours):

- HSP 330 - Banquet Operations
- HSP 345 - Club Management

- HSP 430 - Special Event Planning

OR

- HSP 436 - Casino Operations

Food and Beverage Option (9 Hours):

- HSP 330 - Banquet Operations
- HSP 409 - Beverage Operations
- HSP 435 - Restaurant Management

General Operations Option (9 Hours):

- HSP 340 - Destination Development
- HSP 430 - Special Event Planning

OR

- HSP 436 - Casino Operations
- HSP 315 - Advanced Lodging Management

OR

- HSP 370 - Hospitality Industry Revenue Management

OR

- HSP 435 - Restaurant Management

Lodging Option (9 Hours):

- HSP 315 - Advanced Lodging Management
- HSP 360 - Hospitality Facilities Management
- HSP 370 - Hospitality Industry Revenue Management

Senior Living Management Option (9 Hours):

- HSP 330 - Banquet Operations

- GER 366 - Families in Later Life
  OR
- PSY 366 - Families in Later Life
- GER 375 - Social Forces and Aging
  OR
- SOC 375 - Social Forces and Aging

Tourism Option (9 Hours):

- GRY 310 - Fundamentals of Tourism
- HSP 340 - Destination Development
- HSP 540 - Tourism Analytics

Total Credit Hours: 54-55

University Level Requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Natural Resources (Comprehensive) (BS)

Major requirements

Note: 9-10 hours may double count toward the General Education requirements.

Major core (57-61):

- AGB 144 - Agricultural Economics I
- any AGB course numbered 300 or higher **Credit Hours:** 1-3
- AGN 115 - Sustainable Agriculture and the Environment
- AGN 143 - Introductory Forestry
- AGN 215 - Soils
- AGN 216 - Soils Lab
- AGN 335 - Soil Conservation and Water Management
- AGN 405 - Soil Fertility and Plant Nutrition
- AGN 465 - Environmental Soil Science
- 3 hours of AGP 499 - Internship in Plant Science and Natural Resources
- AGP 581 - Applied Entomology
- AGP 583 - Plant Pathology
- AGP 585 - Weed Ecology and Management
- AGR 490 - Career Preparation in Agriculture
- AGS 101 - Animal Science
- GEO 363 - Introduction to Geographic Information Science
- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory
  OR

- CHM 160 - General Chemistry I

Specific General Education requirements

- GEP 101 - First-Year Foundations
  OR
- UHC 110 - Freshman Honors Seminar
  OR
- AGR 301 - Agriculture Transfer Student Orientation

- BIO 101 - Biology in Your World **AND**
- BIO 111 - Laboratory for Biology in Your World
  OR
- BIO 121 - General Biology I

- GLG 110 - Principles of Geology
  OR
- GLG 114 - Earth: The Survival Guide
  OR
- GRY 135 - Principles of Weather and Climate
  OR
- GRY 142 - Earth's Natural Environment

Public Affairs Capstone Experience Requirement will be fulfilled by completion of:

- 3 hours of AGP 499 - Internship in Plant Science and Natural Resources

Complete one of the following options:

Forestry option (15-16 hours):

- AGN 336 - Dendrology and Wood Science
- AGN 343 - Measurements and Sampling for Forest Management
- AGN 543 - Silviculture
- AGP 323 - Plant Structure and Function

One course from:

- AGN 323 - Intermediate Forestry
- AGN 345 - Forest Ecosystems
- AGN 353 - Wildland Fire Management

General Natural Resources option (15 hours):

Six hours from:
- AGN 543 - Silviculture
- AGP 353 - Turf Science
- AGP 365 - Grain Crops for Food, Feed and Energy
- AGP 370 - Forage Crops for Animals and the Environment

- AGP 393 - Fruit Production
- AGP 441 - Vegetable Production

Nine hours from:

- AGN 343 - Measurements and Sampling for Forest Management
- AGN 345 - Forest Ecosystems
- AGN 351 - Game Bird Production
- AGN 455 - Soil Genesis, Morphology and Classification
- AGP 323 - Plant Structure and Function
- AGP 399 - Special Topics Plant Science
- AGP 453 - Crop Physiology
- AGP 460 - Site Specific Techniques in Agriculture and Natural Resources
- AGP 300 - Wine Appreciation for Consumers
- AGS 102 - Animal Science Laboratory
- any additional GEO course numbered 300 or higher **Credit Hours:** 1-3
- GRY 351 - Sustainable Management of Natural Resources

Total Credit Hours: 72-77 hours

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Wildlife Conservation and Management (Comprehensive) (BS)

This major is offered in cooperation with the Department of Biology.

Major requirements

- CHM 116 - Fundamentals of Chemistry **AND**
- CHM 117 - Fundamentals of Chemistry Laboratory

OR

- CHM 160 - General Chemistry I **AND**
- CHM 161 - General Chemistry I Laboratory
- AGR 490 - Career Preparation in Agriculture

OR

- BIO 302 - Biology Seminar

- BIO 492 - Biology Program Assessment

Specific General Education Requirements:

- BIO 121 - General Biology I
- GLG 110 - Principles of Geology

OR

- GLG 114 - Earth: The Survival Guide

OR

- GRY 142 - Earth's Natural Environment
- GRY 100 - World Regional Geography

OR

- GRY 108 - Principles of Sustainability
- MTH 130 - Contemporary Mathematics or higher numbered mathematics course listed in the General Education Quantitative Literacy requirement.

Agriculture requirements:

- AGN 115 - Sustainable Agriculture and the Environment

OR

- AGP 103 - Plant Science
- AGN 143 - Introductory Forestry
- AGN 215 - Soils
- AGN 335 - Soil Conservation and Water Management
- AGP 365 - Grain Crops for Food, Feed and Energy

OR

- AGP 370 - Forage Crops for Animals and the Environment

OR

- AGN 543 - Silviculture
- AGP 581 - Applied Entomology
- GEP 101 - First-Year Foundations

OR

- UHC 110 - Freshman Honors Seminar

OR

- AGR 301 - Agriculture Transfer Student Orientation

OR

- BIO 302 - Biology Seminar

Two courses from:

- AGB 354 - Land Economics
- AGN 351 - Game Bird Production
- AGN 465 - Environmental Soil Science
- AGP 583 - Plant Pathology
- AGP 585 - Weed Ecology and Management

Biology requirements:

- BIO 121 - General Biology I *
- BIO 122 - General Biology II *
- BIO 334 - Plant Taxonomy
- BIO 339 - Identification of Woody Plants
- BIO 367 - General Ecology
- BIO 368 - General Ecology Lab
- BIO 373 - Principles of Wildlife Management

OR

- BIO 532 - Principles of Fisheries Management

Two courses from:

- BIO 370 - Invertebrate Zoology
- BIO 573 - Ornithology
- BIO 575 - Ichthyology
- BIO 576 - Herpetology
- BIO 577 - Mammalogy

10 additional hours in courses numbered 200 or higher in Agriculture and/or Biology.

Public Affairs Capstone Experience Requirement

will be fulfilled by completion of BIO 373 or BIO 532 and two courses from Biology requirements (two courses section).

Total Credit Hours: 65-68

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Minors

Agricultural Business Minor

Major Degree Type

Bachelor of Science

Minor Requirements

- AGB 144 - Agricultural Economics I
- AGB 394 - Agricultural Industry Study

Additional courses

from the following to total at least 20 hours in Agricultural Economics:

- AGB 334 - Marketing Agricultural Products
- AGB 344 - Financing Agriculture
- AGB 354 - Land Economics
- AGB 374 - Agricultural Business Management
- AGB 524 - Agricultural Prices
- AGB 534 - Production Economics
- AGB 584 - Farm Business Management

Agricultural Communications Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Science

Minor Requirements

- AGC 183 - Introduction to Agricultural Communications

Three courses from:

- AGC 293 - News Writing in Agriculture
- AGC 303 - Event Communications for Agricultural Organizations
- AGC 313 - Feature Writing for Agricultural Publications
- AGC 323 - Media in Agriculture
- AGC 333 - Layout and Design for Agricultural Publications
- AGC 343 - Agricultural Photography
- AGC 373 - Online Communication for Agricultural Organizations
- AGC 393 - Public Relations in Agriculture

Additional hours

from above or two of the following to total at least 17 hours in the minor:

- AGB 334 - Marketing Agricultural Products
- AGB 374 - Agricultural Business Management
- AGB 384 - Agricultural Selling
- AGB 394 - Agricultural Industry Study
- AGB 444 - American Agricultural Policy
- AGB 494 - Problems in Agricultural Business *
- AGB 584 - Farm Business Management
- AGB 594 - Agricultural Entrepreneurship

note:

*Section titled Ag Leadership Theory/Advocacy.

Agriculture Minor

Major Degree Type

Bachelor of Science in Education (Non-Certifiable)

Minor Requirements

One course from each of the following six areas:

- Agriculture Economics
- Animal Husbandry
- Soils and Field Crops
- Dairy Husbandry
- Horticulture
- Poultry Husbandry.

Additional courses to total at least 24 hours in agriculture.

Students should confer with an agriculture advisor before scheduling for advice on courses to meet their special needs.

Agronomy Minor

Major Degree Type

Bachelor of Science

Minor Requirements

- AGN 215 - Soils
- AGP 103 - Plant Science
- AGP 365 - Grain Crops for Food, Feed and Energy
- AGP 370 - Forage Crops for Animals and the Environment

One course from:

- AGP 581 - Applied Entomology
- AGP 583 - Plant Pathology
- AGP 585 - Weed Ecology and Management
- BIO 371 - Introduction to Entomology

Additional courses from the following to total at least 20 hours in the minor:

- AGN 115 - Sustainable Agriculture and the Environment
- AGN 216 - Soils Lab
- AGN 335 - Soil Conservation and Water Management
- AGN 405 - Soil Fertility and Plant Nutrition
- AGP 104 - Plant Science Laboratory
- AGP 323 - Plant Structure and Function
- AGP 460 - Site Specific Techniques in Agriculture and Natural Resources
- AGP 575 - Plant Breeding and Genetics
- AGP 576 - Plant Breeding and Genetics Lab
- AGR 300 - Food and Agricultural Chemistry

Restriction

Courses counting toward a major in Environmental Plant Science - Crop Science option cannot be counted toward the minor in Agronomy. (Students are not eligible to complete both the major in Environmental Plant Science - Crop Science option and the Agronomy minor.)

Animal Science Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

Minor Requirements

- AGS 101 - Animal Science
- AGS 102 - Animal Science Laboratory

Two courses from:

- AGS 301 - Physiology of Farm Animals
- AGS 302 - Reproductive Physiology
- AGS 310 - Animal Nutrition
- AGS 311 - Feeds and Feeding
- AGS 316 - Animal Breeding

One course from:

- AGS 432 - Sheep and Goat Science
- AGS 446 - Dairy Production
- AGS 452 - Cow-Calf Production
- AGS 453 - Stocker and Feedlot Cattle Production
- AGS 461 - Equine Nutrition and Physiology
- AGS 485 - Companion Animal Management and Behavior

Additional courses in Animal Science to total at least 20 hours in the minor.

Companion Animal Science Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts

Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

Minor Requirements

- AGS 101 - Animal Science
- AGS 102 - Animal Science Laboratory
- AGS 310 - Animal Nutrition
- AGS 385 - Companion Animal Nutrition and Reproduction
- AGS 485 - Companion Animal Management and Behavior

Six hours from:

- AGS 185 - Introduction to Companion Animal Science
- AGS 386 - Companion Animal Health
- AGS 389 - Companion Animals in Society

Equine Studies Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

Minor Requirements

- AGS 101 - Animal Science
- AGS 102 - Animal Science Laboratory
- AGS 161 - Introduction to Horses
- AGS 191 - Evaluation and Performance Appraisal of Horses

- AGS 310 - Animal Nutrition

OR

- AGS 311 - Feeds and Feeding

- AGS 461 - Equine Nutrition and Physiology

Six additional hours in Equine Studies in consultation with advisor.

Forestry Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Science

Minor Requirements

- AGN 143 - Introductory Forestry
- AGN 343 - Measurements and Sampling for Forest Management
- AGN 543 - Silviculture

Two courses from:

- AGN 323 - Intermediate Forestry
- AGN 336 - Dendrology and Wood Science
- AGN 345 - Forest Ecosystems
- AGN 353 - Wildland Fire Management

Additional hours from above or from the following to total at least 20 hours in the minor:

- AGN 335 - Soil Conservation and Water Management
- AGP 583 - Plant Pathology
- AGR 300 - Food and Agricultural Chemistry
- BIO 339 - Identification of Woody Plants
- BIO 367 - General Ecology
- BIO 368 - General Ecology Lab
- GEO 360 - Interpretation of Aerial Photography
- GEO 363 - Introduction to Geographic Information Science
- MTH 340 - Statistical Methods

Restriction

Courses counting toward a major in Natural Resources - Forestry option cannot be counted toward the minor in Forestry. (Students are not eligible to complete both the major in Natural Resources - Forestry option and the Forestry minor.)

General Agriculture Minor

Major Degree Type

Bachelor of Science

Minor Requirements

- AGN 115 - Sustainable Agriculture and the Environment
  OR
- AGP 103 - Plant Science
- AGB 144 - Agricultural Economics I
- AGS 101 - Animal Science

Additional hours in Agriculture to total at least 20 hours in the minor.

Horticulture Minor

Major Degree Type

Bachelor of Science

Minor Requirements

- AGP 103 - Plant Science
- AGP 104 - Plant Science Laboratory

Additional hours from the following to total at least 20 hours in the minor:

- AGN 115 - Sustainable Agriculture and the Environment
- AGP 323 - Plant Structure and Function
- AGP 325 - Herbaceous Plants
- AGP 333 - Landscape Design
- AGP 353 - Turf Science
- AGP 363 - Landscape Plants
- AGP 393 - Fruit Production
- AGP 441 - Vegetable Production
- AGP 442 - Vegetable Production Practicum
- AGP 444 - High Tunnel Crop Production
- AGP 453 - Crop Physiology
- AGP 511 - Viticulture
- AGP 543 - Greenhouse Management
- AGP 573 - Plant Propagation
- AGR 300 - Food and Agricultural Chemistry

Restriction

Courses counting toward a major in Environmental Plant Science - Horticulture option cannot be counted toward the minor in Horticulture. (Students are not eligible to complete both the major in Environmental Plant Science - Horticulture option and the Horticulture minor.)

Ranch Management Minor

Major Degree Type

Bachelor of Applied Science
Bachelor of Arts
Bachelor of Science
Bachelor of Science in Education (Non-Certifiable)

Minor Requirements

- AGB 584 - Farm Business Management
- AGP 370 - Forage Crops for Animals and the Environment
- AGS 496 - Ranch Management Experience

Two courses from:

- AGS 432 - Sheep and Goat Science
- AGS 446 - Dairy Production
- AGS 452 - Cow-Calf Production
- AGS 453 - Stocker and Feedlot Cattle Production
- AGS 461 - Equine Nutrition and Physiology

One additional course from each of the two following groups to bring total hours in minor to at least 20 hours:

Group A:

- AGS 302 - Reproductive Physiology
- AGS 310 - Animal Nutrition
- AGS 311 - Feeds and Feeding
- AGS 316 - Animal Breeding

Group B:

- AGB 314 - Legal Aspects of Agriculture
- AGN 143 - Introductory Forestry
- AGN 215 - Soils
- AGN 335 - Soil Conservation and Water Management
- AGN 351 - Game Bird Production
- AGP 365 - Grain Crops for Food, Feed and Energy
- BIO 373 - Principles of Wildlife Management

Certificates

Advanced Hospitality Leadership Certificate

This certificate provides an immersive educational experience in the hospitality discipline. Students will receive concentrated instruction on advanced concepts and strategies pertaining to the hospitality industry.

Program Requirements

- HSP 310 - Analyzing Financial Performance in Hospitality Operations
- HSP 410 - Hospitality Marketing
- HSP 480 - Global Strategic Management in the Hospitality Industry
- HSP 490 - Advanced Hospitality Leadership

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion Requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Companion Animal Management Certificate

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

- AGS 385 - Companion Animal Nutrition and Reproduction
- AGS 485 - Companion Animal Management and Behavior

Six hours from:

- AGS 185 - Introduction to Companion Animal Science
- AGS 386 - Companion Animal Health
- AGS 389 - Companion Animals in Society

Internship:

AGS 499 (3 hours) with approval of advisor and an emphasis in companion animals, specifically at a small animal veterinary clinic, animal shelter, training facility, or breeding operation.

All candidates must satisfy the General University Certificate Requirements.

Total credit hours: 15

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Essentials of Hospitality Management Certificate

This certificate provides an educational experience in the hospitality discipline. Students will receive concentrated instruction on the fundamental concepts pertaining to the hospitality industry.

Program Requirements

- HSP 210 - Essentials of Hospitality Leadership
- HSP 220 - Money Talks: Managing Hospitality Finances
- HSP 230 - Creating Exceptional Guest Experiences
- HSP 354 - Hospitality Human Resource Development
- HSP 428 - Hospitality Law

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 12

Completion Requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Event Planning Certificate

This certificate provides an education experience in the event planning discipline. Students will receive concentrated instruction on a number of pertinent aspects related to the event planning industry.

Program requirements

- HSP 210 - Essentials of Hospitality Leadership
- HSP 215 - Introduction to Lodging Management
- HSP 380 - Be the Boss: A guidebook to Hospitality Innovation
- HSP 430 - Special Event Planning

One course from:

- HSP 330 - Banquet Operations
- HSP 409 - Beverage Operations

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.

Total credit hours: 14

Food and Beverage Operations Certificate

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

- HSP 210 - Essentials of Hospitality Leadership
- HSP 218 - Safety and Sanitation
- HSP 321 - Principles of Food Preparation
- HSP 426 - Food and Beverage Management

One course from:

- HSP 330 - Banquet Operations
- HSP 409 - Beverage Operations
- HSP 435 - Restaurant Management

All candidates must satisfy the General University Certificates Requirements.

Total credit hours: 14

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

International Agriculture Leadership Certificate

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 Education Abroad experience.

Program requirements

- AGR 499 - Internship in Agriculture (2 hours required)
- AGP 496 - Independent Study in Fruit Science (2 hours required)
- AGR 100 - Food Security

OR

- 3 hours of AGB 494 - Problems in Agricultural Business

Five additional hours of agriculture or other approved courses in consultation with an agriculture and ILTC/Education Abroad advisor.

All candidates must satisfy the General University Certificate Requirements.

Total credit hours: 12

International Plant Science Certificate

This certificate allows visiting students to complete a 12-hour program in Plant Science. The program will focus on building a foundation of knowledge and skills necessary to support careers and graduate studies in domestic and international agricultural enterprises encompassing plant sciences.

Admission requirements

Students must be concurrently enrolled in an eligible program through the International Leadership Training Center (ILTC) and approved by the certificate advisor.

Program requirements

Complete at least 12 hours

from the following courses or additional courses taught by Missouri State University faculty and approved by the certificate advisor:

- AGN 115 - Sustainable Agriculture and the Environment
- AGP 323 - Plant Structure and Function
- AGP 365 - Grain Crops for Food, Feed and Energy
- AGP 455 - Plant Molecular Biology
- AGP 580 - Plant Biotechnology

All candidates must satisfy the General University Certificate Requirements.

Total credit hours: 12

Lodging Management Certificate

This certificate provides an educational experience in the lodging discipline. Students will receive concentrated instruction on a number of pertinent aspects related to the lodging industry.

Program Requirements

- HSP 210 - Essentials of Hospitality Leadership
- HSP 215 - Introduction to Lodging Management
- HSP 315 - Advanced Lodging Management
- HSP 360 - Hospitality Facilities Management
- HSP 370 - Hospitality Industry Revenue Management

All Candidates Must Satisfy the General University Certificate Requirements.

Total Credit Hours: 14

Completion requirement

Attain a grade of C or better in all courses used to fulfill certificate requirements.

Soil Science Certificate

This certificate provides a program for students and professionals to obtain credentials in soil-related disciplines.

Program requirements

- AGN 215 - Soils
- AGN 216 - Soils Lab
- AGN 335 - Soil Conservation and Water Management
- AGN 455 - Soil Genesis, Morphology and Classification
- AGN 465 - Environmental Soil Science

Additional courses from following to total at least 15 hours in the certificate:

- AGN 405 - Soil Fertility and Plant Nutrition
- AGN 495 - Problems in Plant Science and Natural Resources *
- AGP 399 - Special Topics Plant Science *
- AGR 499 - Internship in Agriculture **

OR

- AGP 499 - Internship in Plant Science and Natural Resources

- **OR** other AGN, AGP, or AGR courses 300-level and above, as approved by certificate advisor.

Note:

*Topic must be approved by certificate advisor. Up to three hours may be applied toward the certificate.

**Internship must be approved by certificate advisor and involve obtaining practical knowledge and applied experiences in soil science. Up to three hours of internship may be applied toward the certificate.

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 15 hours

Completion Requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Sustainable Food Production Certificate

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

- AGP 441 - Vegetable Production

Three hours from:

- AGP 393 - Fruit Production
- AGP 425 - Hydroponic Systems
- AGP 444 - High Tunnel Crop Production
- AGP 543 - Greenhouse Management

Three-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 six hours may be applied toward the certificate.

Additional courses from the following to total 15 hours:

- AGB 584 - Farm Business Management
- AGB 594 - Agricultural Entrepreneurship
- AGN 405 - Soil Fertility and Plant Nutrition
- AGN 495 - Problems in Plant Science and Natural Resources **
- AGP 365 - Grain Crops for Food, Feed and Energy
- AGP 399 - Special Topics Plant Science **
- AGP 442 - Vegetable Production Practicum
- AGP 573 - Plant Propagation
- AGP 581 - Applied Entomology
- AGP 583 - Plant Pathology
- AGP 585 - Weed Ecology and Management
- **OR** other AGN, AGP, or AGR courses 300-level and above, as approved by certificate advisor.

All candidates must satisfy the General University Certificate Requirements.

Note:

**Topic must be approved by certificate advisor. Up to six hours of AGP 399 may be applied toward the certificate. Up to three hours of AGN 495 may be applied toward the certificate.

Total credit hours: 15

Completion requirement

Attain a grade of C or better in all courses used to fulfill the certificate requirements.

Theme Park Management Certificate

This certificate provides educational experience in the theme park and attraction discipline. Students will receive concentrated instruction on a number of pertinent aspects related to the theme park and attraction industry.

Program Requirements

- HSP 212 - Introduction to Theme Park and Attraction Management
- HSP 220 - Money Talks: Managing Hospitality Finances
- HSP 230 - Creating Exceptional Guest Experiences
- HSP 360 - Hospitality Facilities Management
- HSP 510 - Theme Park Merchandising and Gaming Management

One course from:

- HSP 215 - Introduction to Lodging Management
- HSP 300 - Special Topics in Hospitality Leadership for 3 hours

All candidates must satisfy the General University Certificate Requirements.

Total Credit Hours: 15

Completion Requirement.

Attain a grade of C or better in all courses used to fulfill the certificate requirements

Undergraduate College/Provost

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Majors

General Studies, Bachelor of (BGS)

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 Academic Advising and Transfer Center and the Associate Provost for Student Success.

All applicants for the BGS degree program must submit a written essay to the Associate Provost for Student Success 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:

Significant coursework from two or three specific departments (minimum 45 hours):

- If three departments, a minimum of 15 hours from each.
- If two departments, a minimum of 21 hours each plus three additional hours in one of the departments to reach the 45 hour minimum.
- At least 18 of these hours must be upper division.
- At least nine of these hours must be 400 level or above.
- The Public Affairs Capstone requirement of one of the specific departments.
- A grade of C or better in all courses used in the BGS areas of emphasis.

Additional hours to bring the upper division total to at least 40.

Additional electives to bring the total hours to at least 120.

All General Baccalaureate Degree requirements except those applying to majors and options and multiple degrees and/or multiple majors.

University level requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Policies & Requirements

Individualized Major (BAS)

Procedures for seeking candidacy

- 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.
- Apply through the Academic Advising and Transfer Center, University Hall, room 109, for admission to an individualized major.
- 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.
- A student accepted to pursue an individualized major selects 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.
- 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 Advising and Transfer Center for final approval
- A minimum of 25 credit hours must be completed after the advisory committee has approved the degree program.
- 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.

Major requirements

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.

- IDS 499 - Senior Integrating Experience

Total credit hours: 45

University Level Requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Policies & Requirements

Individualized Major (Comprehensive) (BA)

Procedures for seeking candidacy

- 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.
- Apply through the Academic Advising and Transfer Center, University Hall, room 109, for admission to an individualized major.
- 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.
- A student accepted to pursue an individualized major selects 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.
- 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 Advising and Transfer Center for final approval
- A minimum of 25 credit hours must be completed after the advisory committee has approved the degree program.
- 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.

Major Requirements

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.

- IDS 499 - Senior Integrating Experience

Total Credit Hours: 45

University Level Requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

- Bachelor of Arts Degree Requirements

Individualized Major (Comprehensive) (BS)

Procedures for seeking candidacy

- 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.
- Apply through the Academic Advising and Transfer Center, University Hall, room 109, for admission to an individualized major.
- 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.
- A student accepted to pursue an individualized major selects 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.
- 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 Advising and Transfer Center for final approval
- A minimum of 25 credit hours must be completed after the advisory committee has approved the degree program.
- 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.

Major Requirements

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.

- IDS 499 - Senior Integrating Experience

Total Credit Hours: 45

University Level Requirements:

- General Education Program and Requirements
- General Baccalaureate Degree Requirements

Honors College

Contact

Director

John F. Chuchiak, PhD

Associate Director

Scott Handley

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417-836-6370

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Specialized

Accelerated Honors Program

Up to date information regarding the Honors Programs, including admission and advising information can be found here: Honors College.

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.

Accelerated Honors Core Curriculum

- UHC 397 - Honors Colloquia
- UHC 410 - Senior Honors Seminar

Completion of One of the Following:

First-time new in college students, regardless of class standing, must complete *UHC 110 - Freshman Honors Seminar*.

Transfer students and current 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 Experience.

General Honors Course

Honors students must take one Honors-coded courses (HONR) throughout their career at Missouri State University. These classes can also fulfill General Education requirements. Honors sections are offered within each of the box requirements for General Education curriculum.

Experiential Learning Experience*

UHC 300 Honors Service-Learning

UHC 350 Honors Study Abroad

UHC 396 Honors Independent Study

UHC 398 Honors Undergraduate Research

UHC 399 Honors Internship/Apprenticeship

Students are only required to do one, but are welcome to do more! The experiences range from 1 credit-3 credit hours.

**To complete an Experiential Learning Experience, students must fill out the appropriate form and turn it into the Honors College within the first week of the semester in which they wish to complete the component. Find the forms on the Honor College's Worksheets and Forms page.*

Distinction in the Major (minimum 12 credits)

Students may opt into continuing their honors studies within their major through distinction in major. It is a self-designed program focused on their interests within their major culminating in a final distinction project.

UHC 396 and UHC 398

Students choose combinations of *UHC 396: Honors Independent Study* and *UHC 398: Honors Undergraduate Research* that best fit their needs for their honors research experiences. Honors research experiences are commonly attached to a course the student will being taking the same semester as the research experience. In terms of credit hours, if students take a 3-credit hour course and attach the 1 credit hour *UHC 396: Honors Independent Study*, that adds up to 4 hours of honors credit going towards completing distinction in major.

UHC 410 and UHC 499

The Honors Distinction project is a 3-4 credit hours course focused on completing a capstone project based on the student's interests. Honors students consult with a faculty member of their choice from their major department to complete this project. This is an opportunity to create specialization within a student's interests that may not be regularly taught at Missouri State. The Honors Distinction Project must be submitted to the Honors College by the final day of classes prior to a student's graduation. Students may repeat *UHC 499* for up to eight hours in order to complete their project.

Distinction Proposal

Students must complete a distinction project proposal under the guidance of a faculty member in their major department. The proposal must be approved by the academic unit leader 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.

Additional Requirements and Regulations

GPA Requirement

In order to remain in good standing in the program, a student must maintain a 3.25 cumulative institutional GPA or higher.

Full-Time Student Status

In order to remain in good standing in the program, a student must enroll in 12 or more credit hours per semester.

Progress Review

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.

Earned Credential

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 _____."

General Honors Program

Up to date information regarding the Honors Programs, including admission and advising information can be found here: Honors College.

The General Honors Program is designed for students who enter the Honors College with **fewer than 30 completed credit hours**. It is focused on both general education and major requirements. It takes 7 classes to complete the program. Distinction in major is an option that general honors program students can opt into.

General Honors Core Curriculum

- UHC 110 - Freshman Honors Seminar
- UHC 397 - Honors Colloquia
- UHC 410 - Senior Honors Seminar

Three General Honors Courses

Honors students must take three Honors-coded courses (HONR) throughout their career at Missouri State University. These classes can also fulfill General Education requirements. Honors sections are offered within each of the box requirements for General Education curriculum.

One Experiential Learning Experience

Each Honors student must complete an ELE. Students are only required to do one but are welcome to do more! The experiences range from 1 credit-3 credit hours. These include:

- UHC 300 - Honors Service-Learning
- UHC 350 - Honors Study Abroad
- UHC 396 - Honors Independent Study
- UHC 398 - Honors Undergraduate Research
- UHC 399 - Honors Internship/Apprenticeship

Note:

*To complete an Experiential Learning Experience, students must fill out the appropriate form and turn it into the Honors College within the first week of the semester in which students wish to complete the component. Find the forms on the Worksheets and Forms page.

See Course Offerings for current list of available honors courses.

Distinction in the Major (Optional)

Students may opt into continuing their honors studies within their major through distinction in major. It is a self-designed program focused on their interests within their major culminating in a final distinction project.

UHC 396 and UHC 398

Students choose combinations of *UHC 396: Honors Independent Study* and *UHC 398: Honors Undergraduate Research* that best fit their needs for their honors research experiences.Honors research experiences are commonly attached to a course the student will being taking the same semester as the research experience. In terms of credit hours, if students take a 3-credit hour course and attach the 1 credit hour *UHC 396: Honors Independent Study*, that adds up to 4 hours of honors credit going towards completing distinction in major.

UHC 410 and UHC 499

The Honors Distinction project is a 3-4 credit hours course focused on completing a capstone project based on the student's interests. Honors students consult with a faculty member of their choice from their major department to complete this project. This is an opportunity to create specialization within a student's interests that may not be regularly taught at Missouri State. The Honors Distinction Project must be submitted to the Honors College by the final day of classes prior to a student's graduation. Students may repeat *UHC 499* for up to eight hours in order to complete their project.

Distinction Proposal

Students must complete a distinction project proposal under the guidance of a faculty member in their major department. The proposal must be approved by the academic unit leader 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.

Note:

To complete any of the Distinction Components above, students must fill out the appropriate form and turn it into the Honors College within the first week of the semester in which students wish to complete the component. Find the forms on Honors College Worksheets and Forms page.

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.

Additional Requirements & Regulations

GPA Requirement

In order to remain in good standing in the program, a student must maintain a 3.25 cumulative institutional GPA or higher.

Full-Time Student Status

In order to remain in good standing in the program, a student must enroll in 12 or more credit hours per semester.

Progress Review

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.

Earned Credential

Core Curriculum Completion

Students who complete all General 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.

Core Curriculum and Distinction in Major Completion

Students who complete all General Honors Program and Distinction in 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 _____."

Graduate College

Contact

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