

Date Modified:	7.15.21
MSU Transfer Advisor:	Education Advisement Center 417-836-5429

OZARKS TECHNICAL COMMUNITY COLLEGE

Courses are sequenced to provide guidance and to help ensure that prerequisite requirements are met.

OTC Associate of Arts in Teaching to

MSU Bachelor of Science in Education - Middle School Math

Catalog Year: 2021-2022

The following is a guide to graduation with completion of OTC's Associate of Arts in Teaching and MSU's Bachelor of Science in Education degree.

The B.S. in Education may be completed on campus only.

The Education degree is a comprehensive major meaning it does not require completion of a minor.

OTC Year 1 Semester 1

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE	CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT						
Mathematical Sciences <i>3 credit hours</i>	Choose one: MTH 128 MTH 128S	Contemporary Math Contemporary Math with Support	3-5	MTH 130	✓	✓						
Oral Communications <i>3 credit hours</i>	COM 105	Public Speaking	3	COM 115	✓	✓						
Natural Sciences <i>8 credit hours required for the A.A.T.</i> (Must fulfill 2 disciplines including one course with a lab component)	BIO 100	Life Science	4	BIO 101 and 111	✓	✓						
Social/Behavioral Sciences <i>9 credit hours</i>	PSY 110	Introduction to Psychology	3	PSY 121	✓	✓						
Humanities and Fine Arts <i>9 credit hours</i> (Must fulfill 2 disciplines)	Choose one: ART 100 ART 101 ART 105 ART 120▲	ASL 101 ASL 102 CHN 101 ENG 180	ENG 240 ENG 241 ENG 260 ENG 265	ENG 270 ENG 271 FRN 101 FRN 102	GRM 101 GRM 102 MUS 101 MUS 105	MUS 106 MUS 110 MUS 235*▲ PHL 101	PHL 105 REL 100 REL 101 REL 102	SPN 101 SPN 102 THR 101	3	Varies	✓	
Semester 1 Total			16-18									

OTC Year 1 Semester 2

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE	CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT						
Program Specific Course	EDU 150	Introduction to Teacher Education	1	EDC 000								
Humanities and Fine Arts <i>9 credit hours</i> (Must fulfill 2 disciplines)	Choose one: ART 100 ART 101 ART 105 ART 120▲	ASL 101 ASL 102 CHN 101 ENG 180	ENG 240 ENG 241 ENG 260 ENG 265	ENG 270 ENG 271 FRN 101 FRN 102	GRM 101 GRM 102 MUS 101 MUS 105	MUS 106 MUS 110 MUS 235*▲ PHL 101	PHL 105 REL 100 REL 101 REL 102	SPN 101 SPN 102 THR 101	3	Varies	✓	
Natural Sciences <i>8 credit hours required for the A.A.T.</i> (Must fulfill 2 disciplines including one course with a lab component)	PHY 105	Introduction to Physics	4	PHY 100	✓	✓						
Written Communications <i>6 credit hours</i>	Choose one: ENG 100 ENG 101	Composition I with Support Composition I	3-5	ENG 110	✓	✓						
Social/Behavioral Sciences <i>9 credit hours</i> (Must fulfill 2 disciplines)	Choose one: HST 120 HST 130	U.S. History I: to 1865 U.S History II: Since 1865	3	HST 121 HST 122	✓	✓						
Institutional Elective <i>14 hours required for A.A.T. degree</i>	MTH 130	College Algebra	3	MTH 136		✓						
Semester 2 Total			17-19									

OTC Year 2 Semester 3

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE	CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Written Communications <i>6 credit hours</i>	ENG 102	Composition II	3	ENG 210	✓	✓
Institutional Elective <i>14 hours required for A.A.T. degree</i>	Choose any course numbered 100 or above.		3	Varies	✓	✓
Program Specific Course	EDU 222	Foundations of Education in a Diverse Society	3	PEU 016 (substitutes for EDC 345)		✓
Institutional Elective <i>14 hours required for A.A.T. degree</i>	PSY 130	Life Span Development Psychology	3	CFD 155	✓	
Institutional Elective <i>14 hours required for A.A.T. degree</i>	Choose any course numbered 100 or above.		3	Varies	✓	✓
Program Specific Course	EDU 225	Technology for Teachers	3	PEU 003 (substitutes for EDT 365)		✓
Semester 3 Total			18			

OTC Year 2 Semester 4

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE	CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT						
Program Specific Course	EDU 270	Teaching Prof/Field Experience	3	PEU 015 (substitutes for SEC 302)		✓						
Humanities and Fine Arts <i>9 credit hours</i> (Must fulfill 2 disciplines)	Choose one: ART 100 ART 101 ART 105 ART 120▲	ASL 101 ASL 102 CHN 101 ENG 180	ENG 240 ENG 241 ENG 260 ENG 265	ENG 270 ENG 271 FRN 101 FRN 102	GRM 101 GRM 102 MUS 101 MUS 105	MUS 106 MUS 110 MUS 235*▲ PHL 101	PHL 105 REL 100 REL 101 REL 102	SPN 101 SPN 102 THR 101	3	Varies	✓	
Institutional Elective <i>14 hours required for A.A.T. degree</i>	Choose any course numbered 100 or above.		2	Varies	✓	✓						
Program Specific Course	EDU 250	Educational Psychology	3	PSY 130+EDU 250 = PEU 006 (substitutes for PSY 360)		✓						
Social/Behavioral Sciences <i>9 credit hours</i>	PLS 101	American Government and Politics	3	PLS 101	✓	✓						
Semester 4 Total			14									
Total Hours at OTC			65-69	<i>Total Hours Applied Toward MSU Major Requirements:</i>		52						

* One credit hour course

▲ May choose only one, falls under MOTR code 'PERF'

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MSU Bachelor of Science in Education - Middle School Math
after OTC Associate of Arts in Teaching

Catalog Year: 2021-2022

MSU Year 2 - SUMMER

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement	MTH 320	Foundations of Math for Teachers	3
Summer Total			3

MSU Year 3 Semester 1

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement	EDC 150	Introduction to Teaching (For secondary and middle school majors transferring to MSU with an AAT degree. Combines with OTC PEU015 credit to replace SEC302 requirement)	0
Major Requirement	MID 400	Philosophy, Curriculum and Organization of Middle School Education	3
Major Requirement	MTH 360	Foundation of Geometry for Teachers	3
Major Requirement	MTH 343	Foundations of Prob. & Statistics for Teachers (Fall Only)	3
Major Requirement	SPE 340	Educational Alternative for Exceptional Students	2
Semester 1 Total			11

MSU Year 3 Semester 2

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement	MID 425	Middle School Curriculum	2
Major Requirement	RDG 474	Reading and Writing in the Content Field	3
Major Requirement	MTH 377	Mathematical Processes (Spring Only)	3
Major Requirement	MTH 478	Math Modeling (Spring Only)	3
Major Requirement	MTH 409	Teach. & Learn. Of Math (Spring Only)	3
Major Requirement	EDT 520	Technologies in a Contemporary School Setting	1
Semester 2 Total			15

MSU Year 4 Semester 3

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement	MID 439	Middle School Instructional Strategies	3
Major Requirement	MTH 479	Mathematical Tools and Structures (Fall Only)	3
Major Requirement	RDG 574	Analysis and Correction of Difficulties in Adolescent Literacy	3
Major Requirement	SFR 486	Management and Assessment in the Middle and Secondary Classroom	3
Major Requirement	EDC 350	School and Society	3
Semester 3 Total			15

MSU Year 4 Semester 4

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement	MID 493	Supervised Teaching	6
Major Requirement	MID 494	Supervised Teaching	6
Semester 4 Total			12
Total Hours at MSU			56
Total Hours Overall			121-125

[Find more resources and forms for all of our Education Undergraduate Programs.](#)

This information is provided as a guide only.

- OTC students are strongly encouraged to meet with their major specific MSU transfer advisor early in their OTC education to discuss the most appropriate OTC coursework for their intended MSU major, MSU degree requirements, etc.
- Students are required to fulfill MSU graduation and GPA requirements to receive a degree and should consult with their MSU advisor and the MSU undergraduate catalog for details, as there may exist pre-requisite requirements as well as periodicity limitations that could affect scheduling sequences.
- Please note that 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 (e.g., OTC).