# Ozarks Technical Community College

OTC Associate of Arts in Teacher Education to MSU Bachelor of Science in Education - Middle School Math

The following is a guide to graduation with completion of OTC's Associate of Arts in Teacher Education 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 degree meaning it does not require completion of a minor. Courses are sequenced to provide guidance and to help ensure that prerequisite requirements are met. Catalog Year: 2022-2023. Date Modified: 6.30.22.

MSU Transfer Advisor: [Education Advisement Center](https://education.missouristate.edu/advise/), 417-836-5429 Finish in 4 Go Bears Missouri State University

### OTC Year 1 Semester 1

Mathematical Sciences – 3 credit hours

* OTC Course ID/Title: MTH 128 Contemporary Math, MTH 128S Contemporary Math with support
* Credit Hours: 3-5
* MSU Equivalent: MTH 130
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Oral Communications – 3 credit hours

* OTC Course ID/Title: COM 105 Public Speaking
* Credit Hours: 3
* MSU Equivalent: COM 115
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Natural Sciences - 8 credit hours required for the AATED - (Must fulfill 2 disciplines including one course with a lab component)

* OTC Course ID/Title: BIO 100 Life Science
* Credit Hours: 4
* MSU Equivalent: BIO 101 and 111
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Social/Behavioral Sciences - 9 credit hours

* OTC Course ID/Title: PSY 110 Introduction to Psychology
* Credit Hours: 3
* MSU Equivalent: PSY 121
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Humanities and Fine Arts - 9 credit hours (From at least 2 disciplines, and a limit of no more than 2 credit hours of performance courses can be applied to Humanities and Fine Arts)

* OTC Course ID/Title: 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, HUM 101, 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
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Semester 1 Total = 16-18 credit hours

### OTC Year 1 Semester 2

AATED Program Specific Requirement

* OTC Course ID/Title: EDU 130 Orientation to the Teaching Profession
* Credit Hours: 3
* MSU Equivalent: EDU 000
* Meets Core 42: No
* MSU Major Requirement: No

Humanities and Fine Arts - 9 credit hours (From at least 2 disciplines, and a limit of no more than 2 credit hours of performance courses can be applied to Humanities and Fine Arts)

* OTC Course ID/Title: 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, HUM 101, 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
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

Natural Sciences – 8 credit hours required for AATED (Must fulfill 2 disciplines including one course with a lab component)

* OTC Course ID/Title: PHY 105 Introduction to Physics
* Credit Hours: 4
* MSU Equivalent: PHY 100
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Written Communications - 6 credit hours

* OTC Course ID/Title: ENG 100 Composition with support, ENG 101 Composition 1
* Credit Hours: 3-5
* MSU Equivalent: ENG 110
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Social/Behavioral Sciences - 9 credit hours

* OTC Course ID/Title: HST 120 U.S. History I: to 1865, HST 130 U.S History II: Since 1865
* Credit Hours: 3
* MSU Equivalent: HST 121, HST 122
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Semester 2 Total = 16-18 credit hours

### OTC Year 2 Semester 3

Written Communications - 6 credit hours

* OTC Course ID/Title: ENG 102 Composition 2
* Credit Hours: 3
* MSU Equivalent: ENG 210
* Meets Core 42: Yes
* MSU Major Requirement: Yes

CORE Elective

* OTC Course ID/Title: MTH 130 College Algebra
* Credit Hours: 3
* MSU Equivalent: MTH 136
* Meets Core 42: No
* MSU Major Requirement: Yes

AATED Program Specific Requirement

* OTC Course ID/Title: PSY 130 Life Span Development Psychology
* Credit Hours: 3
* MSU Equivalent: CFD 155
* Meets Core 42: Yes
* MSU Major Requirement: No

AATED Program Electives

* OTC Course ID/Title: EDU 220 Foundations of Education (Fall only)
* Credit Hours: 3
* MSU Equivalent: PEU 010 (substitutes for EDC 350)
* Meets Core 42: No
* MSU Major Requirement: Yes

AATED Program Electives

* OTC Course ID/Title: EDU 225 Technology for Teachers
* Credit Hours: 3
* MSU Equivalent: PEU 010 PEU 003 (substitutes for EDT 365)
* Meets Core 42: No
* MSU Major Requirement: Yes

Semester 3 Total = 15 credit hours

### OTC Year 2 Semester 4

AATED Program Electives

* OTC Course ID/Title: EDU 270 Teaching Prof/Field Experience
* Credit Hours: 3
* MSU Equivalent: PEU 015 (substitutes for SEC 302)
* Meets Core 42: No
* MSU Major Requirement: Yes

Humanities and Fine Arts - 9 credit hours (From at least 2 disciplines, and a limit of no more than 2 credit hours of performance courses can be applied to Humanities and Fine Arts)

* OTC Course ID/Title: 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, HUM 101, 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
* Credit Hours: 3
* MSU Equivalent: Varies
* Meets Core 42: Yes
* MSU Major Requirement: No

AATED Program Specific Requirement

* OTC Course ID/Title: EDU 250 Educational Psychology
* Credit Hours: 3
* MSU Equivalent: PSY 130+EDU 250 = PEU 006 (substitutes for PSY 360)
* Meets Core 42: No
* MSU Major Requirement: Yes

CORE Elective

* OTC Course ID/Title: MTH 210 Statistical Methods
* Credit Hours: 3
* MSU Equivalent: MTH 340
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Social/Behavioral Sciences - 9 credit hours

* OTC Course ID/Title: PLS 101 American Government and Politics
* Credit Hours: 3
* MSU Equivalent: PLS 101
* Meets Core 42: Yes
* MSU Major Requirement: Yes

Semester 4 Total = 15  
Total Hours at OTC = 62-66  
Total Hours Applied Toward MSU Major Requirements: 47-51

\*One credit hour course ▲May choose only one, falls under MOTR code 'PERF’

# Missouri State University

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

Date Modified: 6.30.22  
MSU Transfer Advisor: Education Advisement Center, 417-836-5429

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

Catalog Year: 2022-23

### MSU Year 2 Summer

Major Requirement

* MSU Course ID/Title: MTH 320 Foundations of Math for Teachers
* Credit hours: 3

### MSU Year 3 Semester 1

Major Requirement

* MSU Course ID/Title: 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)
* Credit hours: 0

Major Requirement

* MSU Course ID/Title: MID 400 Philosophy, Curriculum and Organization of Middle School Education
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: MTH 360 Foundation of Geometry for Teachers
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: RDG 474 Reading and Writing in the Content Field
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: SPE 340 Educational Alternative for Exceptional Students
* Credit hours: 2

Major Requirement

* MSU Course ID/Title: EDC 345 Introduction to Multicultural Education and Diversity
* Credit hours: 3

Semester 1 Total: 14 Credit Hours

### MSU Year 3 Semester 2

Major Requirement

* MSU Course ID/Title: MID 425 Middle School Curriculum
* Credit hours: 2

Major Requirement

* MSU Course ID/Title: EDT 520 Technologies in a Contemporary School Setting
* Credit hours: 1

Major Requirement

* MSU Course ID/Title: MTH 377 Mathematical Processes (Spring Only)
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: MTH 478 Math Modeling (Spring Only)
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: MTH 409 Teaching and Learning of Math (Spring only)
* Credit hours: 3

General Elective\*\*

* MSU Course ID/Title: Work with your MSU advisor to identify courses that will complement your specific career goals.
* Credit hours: 3

Semester 2 Total: 14 Credit Hours

### MSU Year 4 Semester 3

Major Requirement

* MSU Course ID/Title: MID 439 Middle School Instructional Strategies
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: MTH 479 Mathematical Tools and Structures (Fall only)
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: RDG 574 Analysis and Correction of Difficulties in Adolescent Literacy
* Credit hours: 3

Major Requirement

* MSU Course ID/Title: SFR 486 Management and Assessment in the Middle and Secondary Classroom
* Credit hours: 3

General Elective\*\*

* MSU Course ID/Title: Work with your MSU advisor to identify courses that will complement your specific career goals.
* Credit hours: 3

Summer Total = 15 Credit Hours

### MSU Year 4 Semester 4

Major Requirement

* MSU Course ID/Title: MID 493 Supervised Teaching
* Credit hours: 6

Major Requirement

* MSU Course ID/Title: MID 494 Supervised Teaching
* Credit hours: 6

Semester 4 Total: 12 Credit Hours  
Total Hours at MSU: 58  
Total Hours Overall: 120-124

\*\* Electives provide the opportunity to customize your degree program. Some elective credits may or may not be needed to bring total credit hours to a minimum of 120 credit hours and upper division hours (300+) to 40.

[Find more resources and forms for all of our Education Undergraduate Programs](https://education.missouristate.edu/advise/resources-and-forms.htm).

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).