



MATHEMATICS: BSED

The following is a guide to graduation with a bachelor's degree in **MATHEMATICS** for secondary teachers by completing two years at OTC and two years at MSU.

Year 1 and Year 2 at OTC

Complete OTC's **Associate of Science in Mathematics degree**. Include the following OTC courses, as they will transfer and fulfill part of your MSU major requirements. Note: Unlike the AA degree, the AS degree does not automatically fulfill MSU's general education requirements.

OTC course	MSU equivalent
MTH 140	MTH 261
ENG 101	ENG 110
ENG 150	GEC 105 (Writing GenEd)
COM 105	COM 115
Humanities – Choose one: ART 101 or ART 105 or ENG 180 or HST 105 or HST 106 or HUM 101 or HUM 102 or MUS 105 or PHL 101 or PHL 120 or PHL 125	GEC 111 (Humanities GenEd)
BIO 160	BIO 121
PHY 220	PHY 203
PLS 101 or HST 120	PLS 101 or HST 121
ECO 270	ECO 155
CIS 120	CSC 130
PSY 110	PSY 121
Electives (7 credit hours)	See item 4 below.
MTH 141	MTH 280
MTH 215	MTH 315
MTH 240	MTH 302
Elective math courses- Choose MTH 210 and 230	MTH 340 and 333

Year 3 and Year 4 at MSU

First Fall semester	Hours	First Spring semester	Hours
MTH 460 College Geometry	3	MTH 532 Abstract Algebra	3
MTH 575 History of Math	3	MTH Required Elective	3
SEC 302 Method Instruction & Field Exp.	3	PSY 360 Devel. of Adolescent Student	3
EDC 150 Intro to Teaching	0	MTH 409 Teaching & Learning of Math I	3
General Education Courses	6	RDG 474 Reading and Writing in Content Field	3
Total hours	15	Total hours	15

Summer Semester

EDC 345 Multicultural Education 3 credit hours
SPE 340 Educational Alternatives 3 credit hours

Second Fall semester	Hours	Second Spring semester	Hours
MTH Required Electives	3	MTH 492 Student Teaching	2
MTH 410 Teaching & Learning of Math II	3	MTH 494 Student Teaching	10
MTH 411 Teaching & Learning of Math III	3		
EDC 350 School & Society	3		
RDG 574 Analysis & Corr of Diff in Literacy	4		
Total hours	16	Total hours	12

Important Notes Relative to this Major

1. There is a 125-hour requirement for graduation.
2. The AS degree does not cover the following MSU General Education Requirements: Arts (3), History (3), Cultural Competence (3), Public Issues (3). Total of 12 credit hours. However the AS degree has 7 credit hours in electives, so with planning most of MSU's general education requirements can be covered. Please work with you advisor.
3. This information is provided as a guide. Students are required to fulfill MSU graduation requirements to receive a degree and should consult their MSU advisor and the MSU undergraduate catalog for details, including the policy under which a transfer student who remains continuously enrolled may follow MSU graduation requirements in effect when the student first enrolled at their transfer institution (OTC).

Important resources for MATHEMATICS majors

MSU departmental office

Mathematics

Cheek Hall, Room 10M

417-836-5114

<http://math.missouristate.edu>

Email: Mathematics@missouristate.edu

MSU transfer advisor

Dr. William Bray

Department Head

417-836-5114

wbray@missouristate.edu

Online resources for prospective transfer students

Specific information for OTC students

www.missouristate.edu/otc

MSU catalog

www.missouristate.edu/catalog

General transfer information

www.missouristate.edu/admissions/transfer

Transfer equivalency guide

www.missouristate.edu/admissions/collcredit.htm

For assistance with admission and general questions

Donna Rebmann

MSU-OTC Transfer Help Desk www.missouristate.edu/admissions/otcinformationdesk.htm

417-447-6926

DonnaRebmann@MissouriState.edu

Lori Day

Transfer Student Recruiter-Evaluator

417-836-5517

LoriDay@MissouriState.edu

This document was prepared by the MSU Department of Mathematics in conjunction with MSU Office of Admissions. This information was last updated on **February 5, 2019** and is subject to change.