



Plan of Study

Mathematics

Intermediate Education Specialization

Catalog Year: 2025-2026

Sample Schedule: Students are not limited to this plan; it is meant to serve as a guide for planning purposes in discussions with your academic advisor. This plan is one possible path to completing this degree in *four years*.

FIRST YEAR

First Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 105 Intro to Computers	Math and Tech Component	3	F/S
ENGL 101-Composition I	Goal 1 General Education	3	F/S/SU
Civics Requirement (HIST 151 or HIST 152 or CIV 100 or POLS 100, or POLS 210)	Goal 3 General Education.	3	F/S/SU
GS 100: University Experience		0	F
MATH 123—Calculus I	Goal 5 General Education	4	F/S
EDFN 102 – Introduction to Education	Professional Education Component	3	F/S
Total Credit Hours		16	

Second Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
Arts and Humanities Elective #1	Goal 4 General Education	3	F/S
CIS 123, CIS 130, or CSC 150	Math and Tech Component	3	F/S
MATH 201 Intro to Discrete Math	MATH 114, 120, or 123	3	F/S/SU
SGR Written Communications (ENGL 201)	Goal 1 General Education	3	F/S
SPED 100 Intro to Persons with Exceptionalities	COE Requirement	3	F/S/SU
Total Credit Hours		15	

SECOND YEAR

Third Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
Natural Sciences #1	Goal 6 General Education	3-4	F/S
Oral Communication Requirement	Goal 2 General Education	3	F/S
MATH 361 Geometry or MATH 316 Discrete Mathematics	Interm. Math Specialization Req. Math Requirement	3	F Odd Years F/S
MATH 341 Math Concepts I	Interm. Math Specialization Req.	3	F/S/SU
General Elective Credits		3	
Total Credit Hours		14-15	

Fourth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
EPSY 302 Lifespan Development	Professional Ed Component	3	F/S/SU
SEED 301 Technology for Math Teachers	Math and Tech Component	3	S
MATH 281 Statistics or MATH 315 Linear Algebra	Math Requirement Math Requirement	3	F/S S
Natural Sciences #2	Goal 6 General Education	3-4	F/S
General Elective Credits		3	
Total Credit Hours		15-16	

THIRD YEAR

Fifth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
SEED 302 Sec/Middle Content Methods	Professional Ed Component	2	F
INED 211 SD American Indian Culture	Goal 3 of General Ed & COE Req.	3	F/S/SU
MATH 361 Geometry or MATH 316 Discrete Mathematics	Intermediate Math Specialization Req. Math Requirement	3	F Odd Years F/S
MATH 342 Math Concepts II	Intermediate Math Specialization Req.	3	F/S
General Elective Credits		3	
Total Credit Hours		14	

Sixth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
EDFN 300 Survey of Middle Level Education	Professional Ed Component	1	F/S/SU
ELED 422 K-8 Science and Math Technology	Math and Tech Component	2	F/S
MATH 281 Statistics or MATH 315 Linear Algebra	Math Requirement Math Requirement	3	F/S S
General Elective Credits		9	
Total Credit Hours		15	

FOURTH YEAR

Seventh Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
Arts and Humanities #2 (different prefix)	Goal 4 General Education	3	F/S
SEED 450 Reading and Content Literacy	Professional Ed Component	3	F/S/SU
General Elective Credits		9	
Total Credit Hours		15	

Eighth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
SEED 488 7-12 Student Teaching	Professional Ed Component	6	F/S
General Elective Credits		8-10	
Total Credit Hours		14-16	

P = Course Prerequisite

Semester: F = Fall; S = Spring; SU = Summer

Information and course schedules may change. This is not a contract.