

Plan of Study

Mathematics

Intermediate Education Specialization

Catalog Year: 2021 – 2022

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	K-12 Ed Tech Minor Requirement	3	F/S
ENGL 101-Composition I		3	F/S/SU
EPSY 210 Lifespan Development	Goal 3 General Ed & COE Req.	3	F/S/SU
GS 100: University Experience Math		0	F
MATH 123—Calculus I		4	F/S
Oral Communication Requirement		3	F/S
Total Credit Hours		16	

Second Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
Arts and Humanities Elective #1		3	F/S
CIS 123, CIS 130, or CSC 150	K-12 Ed Tech Minor Requirement	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		3	F/S/SU
Total Credit Hours		15	

SECOND YEAR

Third Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
Arts and Humanities #2 (different prefix)	Goal 4 General Education	3	F/S
EDFN 338 Foundations of American Ed	College of Education Requirement	2	F/S/SU
MATH 361 Geometry or MATH 316 Discrete Mathematics	Interm. Math Specialization Req. Math Requirement	3	F Even Years F/S
MATH 341 Math Concepts I	Interm. Math Specialization Req.	3	F/S/SU
Natural Sciences #1	Goal 6 General Education	3-4	F/S
Total Credit Hours		14-15	

Fourth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
EPSY 302 Lifespan Development	College of Education Requirement	3	F/S/SU
SEED 301 Technology for Math Teachers	Interm. Math Specialization Req.	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	F/S
SEED 295 Practicum: Pre-Admission	College of Education Requirement	1	F/S
General Elective Credits		3-4	
Total Credit Hours		16-17	

THIRD YEAR

Fifth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CIS 350 Computer Hardware	K-12 Ed Tech Minor Requirement	3	F/S
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 Even Years F/S
MATH 342 Math Concepts II	Intermediate Math Specialization Req.	3	F/S
MATH 488 Capstone	Intermediate Math Specialization Req.	1	F
SEED 302 Sec/Middle Content Methods	College of Education Requirement	2	F
Total Credit Hours		15	

Sixth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CIS 206, 207, 208, 209, 210 (choose 3)	K-12 Tech Minor Requirement	3	F/S/SU
EDFN 300 Survey of Middle Level Education	Intermediate Math Specialization Req.	1	F/S/SU
EDFN 365 Computer Based Technology	K-12 Tech Minor Requirement	3	F/S/SU
ELED 422 K-8 Science and Math Technology	Intermediate Math Specialization Req.	2	F/S
MATH 281 Statistics or MATH 315 Linear Algebra	Math Requirement Math Requirement	3	F/S S
General Elective Credits		3-4	
Total Credit Hours		15-16	

FOURTH YEAR**Seventh Semester**

Course	Prerequisites / Comments	Credits	Semester(s) Offered
EDER 415 Educational Assessment	K-12 Tech Minor Requirement	2	F/S
SEED 440 Classroom Management	COE Requirement	2	F/S
SEED 450 Reading and Content Literacy	COE Requirement	3	F/S/SU
SEED 488 7-12 Student Teaching	COE Requirement	2	F/S
General Elective Credits		3	
Total Credit Hours		12	

Eighth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
EDFN 475 Human Relations	COE Requirement	3	F/S/SU
SEED 401 Methods of Educational Tech.	K-12 Tech Minor Requirement	1	F/S
SEED 488 7-12 Student Teaching	COE Requirement	6	F/S
General Elective Credits		3-6	
Total Credit Hours		13-16	

P = Course Prerequisite

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

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