



Plan of Study

Mathematics

Secondary Education Specialization

Catalog Year: 2023-2024

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
GS 100 University Experience		0	F
ENGL 101 Composition I	Goal 1 General Education	3	F/S/SU
EPSY 210 Lifespan Development	Goal 3 General Education & COE Requirement	3	F/S
Oral Communication (CMST, Gen Ed Course)	Goal 2 General Education (Oral Comm.)	3	F/S
CSC 105 Introduction to Computers	K-12 Ed Tech Minor Requirement	3	F/S
MATH 123 Calculus I	Mathematics Major Requirement	4	F/S
Total Credit Hours		16	

Second Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
Programming Course (CIS 123,130 or CSC 150)	K-12 Ed Tech Minor Requirement	3	F/S
Arts and Humanities Course	Goal 4 General Education (Arts and Hum.)	3	F/S
SPED 100	College of Education Requirement	3	F/S/SU
MATH 201 Introduction to Discreet Math	Mathematics Major Requirement	3	F/S/SU
MATH 125 Calculus II	Math Education Specialization Requirement	4	S/SU
Total Credit Hours		16	

SECOND YEAR

Third Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
Natural Sciences Course	Goal 6 General Education (Sciences)	3-4	F/S
EDFN 338 Foundations of Am. Education	College of Education Requirement	2	F/S/SU
MATH 316 Discrete Math	Mathematics Major Requirement	3	F/S/SU
MATH 341 Math Concepts I	Math Education Specialization Requirement	3	F/S/SU
MATH 361 Geometry	Math Education Specialization Requirement	3	F(even)
Total Credit Hours		14-15	

Fourth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
Natural Sciences Course	Goal 6 General Education (Sciences)	3-4	F/S
ENGL 201 Composition II	Goal 1 General Education (Written Comm.)	3	F/S/SU
Arts and Humanities Course (different prefix*)	Goal 4 General Education (Arts and Hum.)	3	F/S
EPSY 302 Educational Psychology	College of Education Requirement	3	F/S/SU
SEED 295 Practicum: Pre-Admission	College of Education Requirement	1	F/S
MATH 281 Intro. to Probability and Statistics	Mathematics Major Requirement	3	F/S/SU
Total Credit Hours		16-17	

THIRD YEAR

Fifth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
CSC 161 Computer Hardware, Data Communications, and Networking	K-12 Ed Tech Minor Requirement	3	F/S
INED 211 SD American Indian Culture	Goal 3 General Education & COE Requirement	3	F/S
SEED 302 Secondary Math Methods	College of Education Requirement	2	F
MATH Elective (225,282,318,321,381,418, 436,437,471,475,492 or 488)	Math Education Specialization Requirement	3	F/S
MATH 413 Abstract Algebra	Math Education Specialization Requirement	3	F(odd)
MATH 488 Capstone	Math Education Specialization Requirement	1	F
Total Credit Hours		15	

Sixth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
EDFN 365 Comp-Based Teaching and Learn	K-12 Ed Tech Minor Requirement	3	F/S/SU
CIS 206,207,208,209,210 (choose 3)	K-12 Ed Tech Minor Requirement	3	F/S/SU
MATH Elective (225,282,318,321,381,418, 436,437,471,475,492 or 488)	Math Education Specialization Requirement	3	F/S
MATH 315 Linear Algebra	Mathematics Major Requirement	3	S
MATH 342 Math Concepts II	Math Education Specialization Requirement	3	F/S/SU
Total Credit Hours		15	

FOURTH YEAR

Seventh Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
SEED 440 Classroom Management	College of Education Requirement	2	F/S
Choose one of the following: ELED 422 Math/Science Technology, EDER 415 Educational Assessment, or SEED 301 Tech for Math Teachers	K-12 Ed Tech Minor Requirement	2-3	F/S
SEED 450 Reading and Content Literacy	College of Education Requirement	3	F/S/SU
SEED 488 7-12 Student Teaching	College of Education Requirement	2	F/S
General Elective Credits		3	
Total Credit Hours		12-13	

Eighth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
SEED 401 Methods of Educational Tech.	K-12 Ed Tech Minor Requirement	1	F/S
EDFN 475 Human Relations	College of Education Requirement	3	F/S
SEED 488 7-12 Student Teaching	College of Education Requirement	6	F/S
General Elective Credits	120 credits needed for degree	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.