



Plan of Study

Mathematics

Secondary Education Specialization

Catalog Year: 2020 – 2021

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: MATH		0	F
SGR Written Communication (ENGL 101)	Goal 1 General Education	3	F,S,SU
EPSY 210 Lifespan Development	Goal 3 General Education & COE requirement	3	F,S, SU
SGR Oral Communication (SPCM, gen ed course)	Goal 2 General Education (oral comm.)	3	F,S, SU
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
CIS 123,130 or CSC 150	K-12 Ed Tech minor requirement	3	F,S
SGR Arts and Humanities Course #1	Goal 4 General Education (arts and hum.)	3	F,S
SPED 100 Intro to Persons with Exceptionality		3	F,S,SU
MATH 201 Introduction to Discrete 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 American Ed	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 Years
	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

Course	Prerequisites / Comments	Credits	Semester(s) Offered
SGR Written Communications (ENGL 201)	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 Lifespan Development	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
CIS 350 Computer Hardware	K-12 Ed Tech minor requirement	3	F,S
INED 211 SD American Indian Culture	Goal 3 of 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 Years
MATH 488 Capstone	Math Education Specialization requirement	1	F
Total Credit Hours		15	

Sixth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
EDFN 365 Computer Based Teaching and Lear.	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
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.