



# Plan of Study

## Mathematics

### Secondary Education Specialization

Catalog Year: 2024-2025

**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
EDFN 102 – Introduction to Education	Professional Ed Component	3	F/S
Oral Communication (CMST, Gen Ed Course)	Goal 2 General Education (Oral Comm.)	3	F/S
CSC 105 Introduction to Computers	Math and Tech Component	3	F/S
MATH 123 Calculus I	Goal 5 General Education and Math Core	4	F/S
<b>Total Credit Hours</b>		<b>16</b>	

### Second Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
Programming Course (CIS 123,130 or CSC 150)	Math and Tech Component	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 Core Requirement	3	F/S/SU
MATH 125 Calculus II	Math and Tech Component	4	S/SU
<b>Total Credit Hours</b>		<b>16</b>	

## SECOND YEAR

### Third Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
Natural Sciences Course	Goal 6 General Education (Sciences)	3-4	F/S
EPSY 210 Lifespan Development	Goal 3 General Education	3	F/S
MATH 316 Discrete Math	Mathematics Major Requirement	3	F/S/SU
MATH 361 Geometry	Math Education Specialization Requirement	3	F(odd)
General Elective Credits		3	
<b>Total Credit Hours</b>		<b>15-16</b>	

### 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
MATH 281 Intro. to Probability and Statistics	Mathematics Major Requirement	3	F/S/SU
General Elective Credits		3	
<b>Total Credit Hours</b>		<b>15-16</b>	

## THIRD YEAR

### Fifth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
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(even)
General Elective Credits		3	
<b>Total Credit Hours</b>		<b>14</b>	

### Sixth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
EPSY 302 Educational Psychology	Professional Ed 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
General Elective Credits		6	
<b>Total Credit Hours</b>		<b>15</b>	

## FOURTH YEAR

### Seventh Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
SEED 301 Tech for Math Teachers	Math and Tech Component	3	F
SEED 450 Reading and Content Literacy	College of Education 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
General Elective Credits		6	
<b>Total Credit Hours</b>		<b>15</b>	

### Eighth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered
SEED 488 7-12 Student Teaching	Professional Ed Requirement	6	F/S
General Elective Credits	120 credits needed for degree	6-8	
<b>Total Credit Hours</b>		<b>12-14</b>	

P = Course Prerequisite

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

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