

Degree: Bachelor of Science in Education College: Education, Arts, and Humanities Major: Secondary Education Major Code: SCED Concentration: Mathematics (SCMT)

Minor: N/A

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General Education	Program Requirements
Foundations: (13 Credits)	Required Major Courses: (45 Credits)
Oral Communication (3 Credits)	Minimum Program Requirements: * 3.00 cumulative GPA
COMJ 1010 Public Speaking	* C grade for any course with education prefix ECEE, ED,
Quantitative Reasoning (3 Credits) <ul> <li>MATH 1110 Math for Teachers I</li> </ul>	SPED; plus COMJ 1010, ENGL 1200, ENGL 2310, ENGL 2320 or 2330 MATH 1110, MATH 2120, SPED 1050, SPED 2000, SPED 2100.
Technological Literacy (3 Credits)	ED 1100 Introduction to Middle and Secondary Education
ED 2333 Technology in Teaching and Learning	ED 2200 School Law and Ethics
Written Communication (3 Credits)	ED 3100 Strategies
ENGL 1200 College Composition	ED 3102 Teaching of Mathematics
	ED 3300 Learning Environments
<u>Discoveries:</u> (Credits 29) At least two (2) disciplines must be represented within each of the	ED 3610 Content Area Literacy
three (3) categories.	ED 3700 English Language Learners Foundations
Art/Humanities (9 Credits)	ED 4100 Educational Assessments
ENGL 1300 Intro to Literature or ENGL 2310 Amer. Lit Survey I	ED 4240 Student Teaching
	□ ED 4250 Student Teaching
	<ul> <li>SPED 1050 Foundations of Special Education</li> </ul>
	□ SPED 2000 Assessment and PBS
Natural Sciences & Technology (11 Credits)	
MATH 2410 Calculus I	SPED 2100 Teaching Student with Disabilities
□	
Social Sciences (9 Credits)	Required Concentration Courses: (28 Credits)
ED 1750 Educational Psychology	MATH 3000 Foundations of Mathematics
ED 2500 Multicultural Education	MATH 3210 Linear Algebra I
	□ MATH 3430 Calculus III
	MATH 3440 Differential Equations
Elective or Wellness & Personal Health: (3 Credits)	MATH 3520 Advanced Discrete Mathematics
MATH 2420 Calculus II	MATH 3610 College Geometry
	MATH 3620 History of Mathematics
Competencies:	MATH 4260 Abstract Algebra I
Applied Methodologies	STAT 3010 Mathematical Probability and Statistics
ED 4100 Educational Assessments	,,, _,, _
Ethical Reasoning ED 2200 School Law and Ethics	
Information Literacy	
ED 2200 School Law and Ethics	
Intercultural Fluency	
ED 2500 Multicultural Education	
Keystone Experience	
ED 4240 Student Teaching	
Quantitative Applications	

# **Suggested Four Year Course Sequence**

## Year 1

### Fall Semester

ED 1100 Introduction to Mid/Sec Education (Level I) ED 1750 Educational Psychology ENGL 1200 College Composition MATH 1110 Mathematics for Teachers I MATH 2410 Calculus I

# Year 2

### Fall Semester

ED 2200 School Law and Ethics ED 3610 Content Area Literacy (Level II) ENGL 2310 American Literature Survey I MATH 3430 Calculus III MATH 3210 Linear Algebra

#### Spring Semester

ED 2500 Multicultural ED & Intercultural Comp MATH 2420 Calculus II COMJ 1010 Public Speaking SPED 1050 Foundations of Special Education Social Science Elective

### Spring Semester

ED 2333 Teaching with Tech SPED 2000 Assessment & PBS MATH 3000 Foundations of Mathematical Proof MATH 3440 or MATH 4410 (Math elective) Arts & Humanities Elective

### Year 3

### Fall Semester

ED 3300 Learning Environments (Level II) STAT 3010 Mathematical Probability & Statistics MATH 3610 College Geometry Natural Science & Technology Elective Free Elective

### **Spring Semester**

ED 3100 Instructional Strategies ED 3700 ELL Foundations MATH 3620 History of Mathematics MATH 3520 Advanced Discrete Mathematics SPED 2100 Teaching Students with Disabilities

## Year 4

### Fall Semester

ED 3102 Teaching of Mathematics ED 4100 Assessments in Mid/Sec (Level III) MATH 4260 Abstract Algebra I ENGL 2320 or ENGL 2330 Natural Science & Tech Elective

### Spring Semester

ED 4240 Student Teaching (Level IV) ED 4250 Student Teaching (Level IV)