

Special Application Process Required



Name: _____
 Student ID: _____
 Date Admitted Into Major: _____

**COMBINED BACHELOR OF SCIENCE IN MATHEMATICS
 WITH A MAJOR IN SECONDARY EDUCATION
 AND
 MASTER OF EDUCATION IN SECONDARY EDUCATION
 TEACHER LICENSURE FOR MATHEMATICS EDUCATION: GRADES 5-8 OR 8-12**

GENERAL EDUCATION REQUIREMENTS

Competencies

<input type="checkbox"/>	◆ Basic College Math
<input type="checkbox"/>	◆ Reading Comprehension

◆ General Education Categories - 34-35 credits

◆FYS	First Year Seminar			3
◆W-I	Written Communication - Level I			3
◆OC	Oral Communication			3
PGR	Personal Growth & Responsibility			3
CEA	Creative Expression & Appreciation			3
WC	World Cultures			3
HP	The Human Past			3
CS	Contemporary Society			3
SR	Scientific Reasoning:	# Any SR course		3-4
		# SR Lab course		4
QR	Quantitative Reasoning			3

‡ Written Communication (Level II and Level III) and Diversity, Power Dynamics and Social Justice

W-II	Written Communication - Level II			<input type="checkbox"/>
W-III	Written Communication - Level III			<input type="checkbox"/>
DPDS	Diversity, Power Dynamics and Social Justice			<input type="checkbox"/>

▼ Required Support Courses for Secondary Ed (6 credits)

PSY	252	Adolescent Psychology	3
HST	204	U.S. History and Constitutional Gov't I	3

Required Major: (Secondary Education):*
 Required (33 Credits; courses with asterisk carry graduate and undergraduate credit)

EDC	115	Exploring Education	3
EDC	404	Introduction to Teaching	3
EDC	405	Culturally Responsive Teaching	3
EDC	415	Teaching Exceptional Learners	3
EDC	461	Fieldwork Seminar I	1.5
EDC	416	Introduction to Assessment	3
EDC	462	Fieldwork Seminar II	1.5
*EDC	774	Methods of Teaching Mathematics I	3
*EDC	760	Adolescent Literacy in the Disciplines	3
*EDC	762	Technology Methods	1.5
*EDS	775	Methods of Teaching Mathematics II	3
*EDS	860	Sheltering Content for ELLs	3
*EDS	763	Classroom Mgmt and Community Bldg	1.5

COURSES IN MAJOR (37 credits total)

Required (34 credits total)

MAT	218	Intro to Mathematical Computing	1
MAT	220	Calculus I	4
MAT	221	Calculus II	4
MAT	234	Intro to Mathematical Proof	3
MAT	240	Linear Algebra	3
MAT	303A	Abstract Algebra	3
MAT	320	Calculus III	4
MAT	406	Modern Geometry	3
MAT	407	Probability and Math. Statistics I	3
MAT	411	Real Analysis	3
MAT	490	Senior Seminar	3

Mathematical Sequence Elective (3 credits total)

Choose one of the following to complete a sequence:

MAT	306	Theory of Numbers	3
MAT	403	Abstract Algebra II	3
MAT	409	Complex Variables	3
MAT	412	Topology	3
MAT	414	Linear Algebra II	3
MAT	417	Probability and Statistics II	3

Free Electives (12 credits)

May be necessary to take additional credits to attain the minimum 120 credits required for graduation depending on choices made for general education or minor selection.

5th Year Courses (M.Ed.): (18 credits)

EDC	884PS	Practicum Seminar Tchg Math	3
EDC	884P	Stu Tchg Pract. Math (8-12)	3
EDC	885P	Stu Tchg Pract. Math (5--8)	
EDC	804	School-Based Internship	3
EDC	805	Professional Lives of Teachers	3
		Elective	3
		Elective	3

▼ Students may choose to use support courses to satisfy general education categories but may not be required to do so. **Note:** If a course is used to satisfy two or more requirements (for example, a support course and Scientific Reasoning requirement), the credits are counted in only one place. Using a course to satisfy more than one requirement does **not** reduce the credit total required for graduation.

- ◆ Courses used to satisfy the general education requirements of the university must be taken from a minimum of six different academic disciplines. First Year Seminar and Level I Written Communications courses are exempt from this restriction. Courses may not be used to fulfill both major discipline and general education requirements.
- # These Scientific Reasoning General Education Category courses do not have to be a sequence or be from the same discipline
- ‡ Level II, Level III Written Communications and Diversity, Power Dynamics and Social Justice Courses may be used to satisfy requirements anywhere else in a student's program of study where they may apply. The credits are counted only in one area.

◆ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS	◆ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS
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Exceptions in the timing of courses will be made for transfer students

Total credits for graduation: 120

The additional credits listed above are required for graduate degree

Effective: 9/2020