

**COMBINED BACHELOR OF SCIENCE IN MATHEMATICS
AND
MASTER OF EDUCATION IN SECONDARY EDUCATION
WITH A MINOR IN TEACHER EDUCATION
MATHEMATICS
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)				
W-II	Written Communication - Level II			<input type="checkbox"/>
W-III	Written Communication - Level III			<input type="checkbox"/>
▼ Required Support Courses for the Teacher Education Minor				
PSY	252	Adolescent Psychology		3
HST	204	U.S. History and Constitutional Gov't I		3
Minor (Teacher Education):*				
Required (30 Credits; courses with asterisk carry graduate and undergraduate credit)				
EDC	115	Exploring Education		3
EDC	404	Intro to Teaching and Assessment		3
EDC	405	Culturally Responsive Teaching		3
EDC	415	Teaching Exceptional Learners		3
EDC	416	Assessment Methods		3
*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	303A	Abstract Algebra		3
MAT	304A	Linear 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)				
One of the following:				
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				
5th Year Courses (M.Ed.): (18 credits)				
EDC	884PS	Practicum Seminar Tchg Math		3
EDC	884P OR 885P	Stu Tchg Pract. Math (8-12)		3
EDC	885P	Stu Tchg Pract. Math (5--8)		3
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 and Level III Written Communications 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.
- * Students accepting into the combined undergraduate/graduate program who choose not to continue in the combined program must complete an educational studies minor in lieu of the teacher education minor.

◆ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS	◆ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS
--	--

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 graduation

Effective: 9/2015