

# MATHEMATICS WITH SECONDARY SCHOOL TEACHING CERTIFICATION (BA)

## Suggested Sequence of Courses for a Bachelor of Arts Degree in Mathematics with Secondary School Teaching Certification

Course	Title	Hours
<b>Freshman Year</b>		
<b>First Semester</b>		
ENGL-1010	English Composition	3
MATH-1300	Calculus I	4
Foreign Language		4
THEO-1100	Introduction to Theology	3
PSYC-1000	General Psychology	3
GNST-1000	BC Experience	1
<b>Hours</b>		<b>18</b>
<b>Second Semester</b>		
MATH-1350	Calculus II	4
Foreign Language		4
PHIL-1750	Principles of Nature	3
EXSC-1115	Wellness for Life	1
EDUC-2200	Introduction to Education	2
EDUC-2201	Intro Educational Research & Field Exper	1
HIST-1100 or HIST-1101	World Civilization to 1500 or World Civilization Since 1500	3
<b>Hours</b>		<b>18</b>
<b>Sophomore Year</b>		
<b>First Semester</b>		
MATH-2300	Calculus III	4
MATH-2550	Discrete Mathematical Structures I	3
CSCI-1140	Introduction to Computer Science I	4
EDUC-3358	General Secondary Method & Mater PractýGeneral Secondary Meth & Media Practicum	1
EDUC-3357	General Secondary Methods & Media	3
History Elective		3
<b>Hours</b>		<b>18</b>
<b>Second Semester</b>		
MATH-2500	Linear Algebra	3
EDUC-2222	Intro to K-12 Special Education (or Mathematics elective)	3
Aesthetic Foundation		3
Faith Foundation		3
Select one of the following:		3
SOCI-1000	Introduction to Sociology	

SOCI-2350	Cultural Anthropology	
NASC-2300	World Regional Geography	
SOCI-3250	Race & Ethnicity	
Philosophical Inquiry Foundation		3
<b>Hours</b>		<b>18</b>
<b>Junior Year</b>		
<b>First Semester</b>		
MATH-3600	Modern Algebra I	3
EDUC-2220	Psychoeducational Development	3
MATH-3200 or MATH-4600	Probability & Statistics or Modern Geometries	3
MATH-2900 or MATH-4457	History of Mathematics or Secondary School Math Curr & Materials	2
Natural World Foundation (with lab)		4
Aesthetic Foundation		3
<b>Hours</b>		<b>18</b>
<b>Second Semester</b>		
MATH-3610	Modern Algebra II	3
EDUC-2222	Intro to K-12 Special Education (or Mathematics Elective)	3
SOCI-3250	Race & Ethnicity	3
EDUC-3332	Teaching Reading in the Content Areas	2
EDUC-4451	Philosophy of Education	3
Faith Foundation		3
EXSC Fitness Course		1
<b>Hours</b>		<b>18</b>
<b>Senior Year</b>		
<b>First Semester</b>		
MATH-4930	Directed Research	2
MATH-4600 or MATH-3200	Modern Geometries or Probability & Statistics	3
MATH-4457 or MATH-2900	Secondary School Math Curr & Materials or History of Mathematics	4
EDUC-3312	School As Community	3
EDUC-3313	School As Community Rsch & Field Exper	1
Electives		5
MATH-COMP	Senior Comprehensive Exam	0
<b>Hours</b>		<b>18</b>
<b>Second Semester</b>		
EDUC-4455	Differentiated Instruction	3
EDUC-4462	Classroom Management	2
EDUC-4470	Student Teaching Seminar	2
EDUC-4496	Supervised Student Teach Secondar School	10
EDUC-COMP	Senior Comprehensive Exam	0
<b>Hours</b>		<b>17</b>
<b>Total Hours</b>		<b>143</b>