



## MATHEMATICS MAJOR WITH AYA LICENSURE

Starting with Calculus 1 in Even Years

Four Year Plan

**This is a suggested program guide. It is not to be interpreted as a contract. Changes may occur. Please see your program advisor before you register for courses.** **Reviewed 8/23**

YEAR	FALL	SPRING
First Year	BENV100 Becoming a Scholar 3 <i>EDU 200 Introduction to Teaching</i> 3 <i>EDU 205 Field Experience</i> 1 <b>CPS 108 Computer Programming</b> 3 <b>MAT 135 Calculus 1</b> 5 Total 15	Writing Well Competency 3 Elective 3 <i>EDU 220 Curriculum &amp; Assessment</i> 2 Speaking and Listening Competency 3 <b>MAT 136 Calculus 2</b> 5 Total 16
Second Year	Creative Expression Competency 3 Understanding Self and Society Competency 3 <b>MAT 220 Discrete Mathematics</b> 3 <b>MAT 225 Multivariate Calculus</b> 3 Elective 5 Total 17	Living Well Competency 2-3 <i>EDU 353 Educational Psychology/Instr Pract</i> 3 Reading the Bible Competency 3 <b>MAT 230 Linear Algebra</b> 3 <b>MAT 211 Introductory Geometry</b> 3 Total 14-15
Third Year	Religious Understanding Competency 3 <b>MAT 312 Advanced Geometry *</b> 3 <b>MAT 350 Differential Equations &amp; Modeling *</b> 3 <b>MAT 360 Operations Research *</b> 3 <i>EDU 332 Soc. &amp; Phil. Issues in Education</i> 3 <i>EDU 333 Urban Education Seminar</i> 1 Total 16	Exploring the Past Competency 3 Scientific Inquiry Competency <b>OR</b> 4 PHY 211 Physics for Sci/Eng 1 (recommended) (5) BENV300 Cross-cultural Experience 3 <b>MAT 340 Probability and Statistics</b> 3 <i>SED 228 Intro to Mild/Moderate</i> 3 Total 16-17
Fourth Year	BENV400 Enduring Values Capstone 2 <i>EDU 404 Integrated Methods*</i> 2 <i>EDU 305 Content Area Literacy/Gen Meth</i> 3 <b>MAT 332 Abstract Algebra *</b> 3 <b>MAT 401 Analysis *</b> 3 <b>MAT 380 Mathematics Seminar*</b> 2 Total 15	<i>EDU 416 Pre Student Teaching Seminar</i> 1 <i>EDU 451 Student Teaching</i> 13 Total 14

MAT 135 and MAT 220 satisfy the Critical Analysis Competency

124 total hours to complete graduation requirements (this includes 2 hours of arts and lecture credit)

**Boldface** print denotes major course requirement

*Italic print* denotes educator preparation courses

**\*Alternate year courses:** MAT332, MAT401, MAT 380, and EDU 404 in odd-numbered years  
 MAT312, MAT350, and MAT360 in even-numbered years