



## MATHEMATICS MAJOR WITH AYA LICENSURE

Starting with Calculus 1 in Odd 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 6/24

YEAR	FALL	SPRING
First Year	BENV100 Becoming a Scholar 3 Speaking and Listening Competency 3 <i>PSY 110 Intro to Psych</i> 3 <b>CPS 108 Computer Programming</b> 3 <b>MAT 135 Calculus 1</b> 5 Total 17	Writing Well Competency 3 ENG 115 Fund Rdg/Writing or Elective 3 <i>EDU 200 Introduction to Teaching</i> 3 <i>EDU 205 Field Experience</i> 1 <b>MAT 136 Calculus 2</b> 5 Total 15
Second Year	Creative Expression Competency 3 <b>MAT 220 Discrete Mathematics</b> 3 <b>MAT 225 Multivariate Calculus</b> 3 <i>EDU 220 Curriculum &amp; Assessment</i> 2 Elective 5 Total 16	Living Well Competency 2-3 Reading the Bible Competency 3 <b>MAT 230 Linear Algebra</b> 3 <b>MAT 211 Introductory Geometry</b> 3 <i>SED 228 Intro to Mild/Moderate</i> 3 Total 14-15
Third Year	<i>EDU 404 Integrated Methods*</i> 2 <b>MAT 332 Abstract Algebra *</b> 3 <b>MAT 401 Analysis *</b> 3 <b>MAT 380 Mathematics Seminar*</b> 2 <i>EDU 332 Soc. &amp; Phil. Issues in Education</i> 3 <i>EDU 333 Urban Education Seminar</i> 1 Total 14	Exploring the Past Competency 3 Scientific Inquiry Competency OR 4 PHY 211 Physics for Sci/Eng 1 (recommended) (5) BENV300 Cross-cultural Experience 3 <b>MAT 340 Probability and Statistics</b> 3 <i>EDU 353 Educational Psychology/Instr Pract</i> 3 Total 16-17
Fourth Year	Religious Understanding Competency 3 <i>EDU 305 Content Area Literacy/Gen Meth</i> 3 <i>EDU 415 Pre Student Teaching Seminar</i> 1 <b>MAT 312 Advanced Geometry *</b> 3 <b>MAT 350 Differential Equations &amp; Modeling *</b> 3 <b>MAT 360 Operations Research *</b> 3 Total 16	<i>EDU 451 Student Teaching</i> 13 BENV400 Enduring Values Capstone 2 Total 15

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

MAT 135 and MAT 220 satisfy the Critical Analysis Competency.

PSY 110 Satisfies the Understanding Self and Society Competency.

BENV 200 Learning in Community is satisfied by fulfilling major courses EDU 205 Field Experience, EDU 332 Social and Philosophical Issues in Education, and EDU 333 Urban Education Seminar.