



## MATHEMATICS MAJOR WITH A/YA LICENSURE

### Starting with Precalculus 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<br>EDU 200 Introduction to Teaching 3<br>EDU 205 Field Experience 1<br>PSY 110 Introduction to Psychology 3<br><b>CPS 108 Computer Programming 3</b><br><b>MAT 114 Precalculus 4</b><br>Total 17                                                     | Writing Well Competency 3<br>Reading the Bible Competency 3<br>EDU 220 Curriculum & Assessment 2<br>ENG 155 Fund Rdg/Writing (if needed or elective) 3<br><b>MAT 135 Calculus 1 5</b><br>Total 16                         |
| Second Year | Speaking and Listening Competency 3<br>Living Well Competency 2-3<br>EDU 332 Soc. & Phil. Issues in Education 3<br>EDU 333 Urban Education Seminar 1<br><b>MAT 220 Discrete Mathematics 3</b><br>Elective 1<br>Total 13-14                                                        | SED 228 Intro to Mild/Moderate 3<br><b>MAT 136 Calculus 2 5</b><br><b>MAT 225 Multivariate Calculus 3</b><br><b>MAT 230 Linear Algebra 3</b><br><b>MAT 211 Introductory Geometry 3</b><br>Total 17                        |
| Third Year  | <b>MAT 332 Abstract Algebra * 3</b><br><b>MAT 401 Analysis * 3</b><br><b>MAT 380 Mathematics Seminar* 2</b><br>EDU 404 Integrated Methods: Math* 2<br>Creative Expression Competency 3<br>Elective 3<br>Total 16                                                                  | Religious Understanding Competency 3<br>Scientific Inquiry Competency 4<br>EDU 353 Educational Psychology/Instr Pract 3<br>BENV300 Cross-cultural Experience 3<br><b>MAT 340 Probability and Statistics 3</b><br>Total 16 |
| Fourth Year | Exploring the Past Competency 3<br>EDU 309 Rdg/Writing In the Content Areas 3<br>EDU 416 Pre Student Teaching Seminar 1<br><b>MAT 312 Advanced Geometry * 3</b><br><b>MAT 350 Differential Equations &amp; Modeling * 3</b><br><b>MAT 360 Operations Research * 3</b><br>Total 16 | BENV400 Enduring Values Capstone 2<br>EDU 451 Student Teaching 13<br>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.