# 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 8/23**

| YEAR | FALL | | SPRING | |
|---|---|---|---|---|
| First Year | BENV100 Becoming a Scholar | 3 | Writing Well Competency | 3 |
| | *EDU 200 Introduction to Teaching* | *3* | Reading the Bible Competency | 3 |
| | *EDU 205 Field Experience* | *1* | Creative Expression Competency | 3 |
| | **CPS 108 Computer Programming** | **3** | *EDU 220  Curriculum & Assessment* | *2* |
| | **MAT 114 Precalculus** | **4** | **MAT 135 Calculus 1** | **5** |
| | Total | 14 | Total | 16 |
| Second Year | Speaking and Listening Competency | 3 | Living Well Competency | 2-3 |
| | *EDU 332 Soc. & Phil. Issues in Education* | *3* | *EDU 353 Educational Psychology/Instr Pract* | *3* |
| | *EDU 333 Urban Education Seminar* | *1* | **MAT 136 Calculus 2** | **5** |
| | **MAT 220 Discrete Mathematics** | **3** | **MAT 230 Linear Algebra** | **3** |
| | **MAT 225 Multivariate Calculus** | **3** | **MAT 211 Introductory Geometry** | **3** |
| | Elective | 1 | Total | 16-17 |
| | Total | 14 | | |
| Third Year | Understanding Self and Society Competency | 3 | Religious Understanding Competency | 3 |
| | **MAT 332 Abstract Algebra \*** | **3** | Scientific Inquiry Competency | 4 |
| | **MAT 401 Analysis \*** | **3** | BENV300  Cross-cultural Experience | 3 |
| | ***MAT 380 Mathematics Seminar\**** | ***2*** | **MAT 340 Probability and Statistics** | **3** |
| | *EDU 404 Integrated Methods: Math\** | *2* | *SED 228 Intro to Mild/Moderate* | *3* |
| | Elective | 3 | Total | 16 |
| | Total | 16 | | |
| Fourth Year | Exploring the Past Competency | 3 | BENV400 Enduring Values Capstone | 2 |
| | *EDU 305 Content Area Literacy/Gen Meth* | *3* | *EDU 416 Pre Student Teaching Seminar* | *1* |
| | **MAT 312 Advanced Geometry \*** | **3** | *EDU 451 Student Teaching* | *13* |
| | **MAT 350 Differential Equations & Modeling \*** | **3** | Total | 16 |
| | **MAT 360 Operations Research \*** | **3** | | |
| | Total | 15 | | |

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