

## Secondary Mathematics 9-12

| Course   |  | Credit |
|----------|--|--------|
| EDU 1200 | Introduction to Teaching   | 2      |
| EDU 2100 | The Nature of the Learner  | 4      |
| EDU 2200 | The 21 <sup>st</sup> Century Classroom   | 4      |
| EDU 3100 | Students with Disabilities: Characteristics and Service Delivery Models            | 4      |
| EDU 3110 | Educational Technology for Teachers  | 2      |
| EDU 3280 | Literacy in the Content Areas  | 4      |
| EDU 4000 | Investigation in Teacher Performance Assessment I                                  | 1      |
| EDU 4008 | Technology Integration for Middle and Secondary Level Classrooms                   | 2      |
| EDU 4161 | Methods Teaching Secondary Math 9-12   | 4      |
| EDU 4164 | Introduction to Student Teaching   | 2      |
| EDU 4166 | Using Data to Assess Student Impact in K-12 Classrooms                             | 2      |
| EDU 4200 | Diverse Learners and Culturally Relevant Pedagogy                                  | 4      |
| EDU 4260 | Student Teaching Continuation  | 8      |
| EDU 4280 | Discipline and Classroom Management Issues for Middle Grade and Secondary Teachers | 2      |
| EDU 4001 | Investigation in Teacher Performance Assessment II                                 | 2      |

### Mathematics Discipline Specialization: BA in Mathematics with Licensure

| Level   | Curriculum  |
|---|---|
| MTH 1410  | Calculus I  |
| MTH 1420  | Calculus II   |
| MTH 2210  | Introduction to Mathematical Thought  |
| MTH 2310  | Linear Algebra  |
| MTH 3960  | Historical Development of Mathematics   |
| CSC 1710  | Introduction to Programming   |
| MTH 4110  | Abstract Algebra<br>*If student is seeking teacher certification, they must take MTH 4110 instead of MTH 4310 |
| <p>Choose <u>three</u> from the following:</p> <p>MTH 2000 level or above (not to include MTH 3610, 4910 or 4920)</p> <p>* If seeking Teacher certification one of the choices must be MTH 3710: Geometry</p> |   |
| <b>Supporting Courses Required for Licensure:</b>   |   |
| STS 2020  | Introduction to Statistics <b>OR</b>  |
| STS 3200  | Mathematical Statistics and Data Analysis   |
|   |   |

\*A grade of C (2.0) or better in 24 hours of content coursework will be required

**Secondary Mathematics 9-12 Suggested Program of Study  
Professional Education Coursework**

| Freshman - Fall   | Credit | Freshman - Spring  | Credit |
|---|--------|--|--------|
|   |        | EDU 1200: Introduction to Teaching   | 2      |
|   |        |  |        |
| Sophomore- Fall   |        | Sophomore - Spring   |        |
| EDU 2100: Nature of the Learner or EDU 2200: The 21 <sup>st</sup> Century Classroom | 4      | EDU 2200: The 21 <sup>st</sup> Century Classroom or EDU 2100: Nature of the Learner          | 4      |
|   |        |  |        |
| Junior - Fall   |        | Junior - Spring  |        |
| EDU 3100: Students with Disabilities: Characteristics and Service Delivery Models   | 4      | EDU 3280: Literacy in Content Areas  | 4      |
| EDU 3110: Educational Technology for Teachers                                       | 2      |  |        |
|   |        |  |        |
| Senior - Fall   |        | Senior - Spring  |        |
| EDU 4008: Technology Integration for Middle & Secondary Level Classrooms            | 2      | EDU 4166: Using Data to Assess Student Impact in K-12 Classrooms                             | 2      |
| EDU 4161: Methods of Teaching Secondary Math 9-12                                   | 4      | EDU 4260: Student Teaching Continuation  | 8      |
| EDU 4164: Introduction to Student Teaching  | 2      | EDU 4280: Discipline and Classroom Management Issues for Middle Grade and Secondary Teachers | 2      |
| *EDU 4200: Diverse Learners and Culturally Relevant Pedagogy                        | 4      | EDU 4001: Investigation in Teacher Performance Assessment II                                 | 2      |
| EDU 4000: Investigation in Teacher Performance Assessment I                         | 1      |  |        |

**\*Counts as Meeting the Requirement for Area II Elective**