**Mathematics, Middle Grades Mathematics Education Track (6-9) 2022-2023**

**(Total Degree 120 hours)**

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| **Freshman Year** | | | | | | | |
| **Fall** | | | | **Spring** | | | |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | UNV 1000 | Freshman Seminar | 1 |  | ENG 1060 | Composition II | 3 |
|  | ENG 1050 | Composition I | 3 |  | General Education | Social Science | 3 |
|  | MAT 1070 *fulfills*  *General Education* | College Algebra  *Math 3 hrs* | 3 |  | General Education | Social Science | 3 |
|  | General Education | Fine Art | 3 |  | General Education | Natural Science | 3 |
|  | General Education | Social Science | 3 |  | General Education | Physical Education | 1 |
|  | General Education | Natural Science | 3 |  | MAT 1080 | Plane Trigonometry | 3 |
| **Total Credits** | | | 16 |  | **Total Credits** | | 16 |

* Keep your grades up – you need a 2.7 GPA for Teacher Education Admission
* Study for the Praxis CORE (if you don't have the SAT/ACT scores for exemption)
* Plan to take Praxis CORE the Fall of your Sophomore year
* Plan to apply to Admission to Teacher Education Program Spring of Sophomore year
  + 2.7 GPA
  + Successful completion of EDN 2100
  + Less than 9 hours of Gen. Ed. Remaining
  + Passing Praxis Core, SAT or ACT Scores

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| **Sophomore Year** | | | | | | | |
| **Fall: Take Praxis CORE if required** | | | | **Spring: Apply for Admission into TEP** | | | |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | General Education | Literature | 3 |  | EDN 3140 | Aspects of Human Development and Educational Psy (6-12) | 3 |
|  | General Education | Physical Education | 1 |  | SED 3310 | Introduction to Exceptional Children | 3 |
|  | MAT 2100 | Statistics | 3 |  | MAT 2220 | Calculus II | 4 |
|  | General Education | History | 3 |  | MAT 2300 (WE) | Introduction to Advanced Math  *(spring only)* | 3 |
|  | EDN 2100\*\* | Intro to Education | 3 |  | MAT 2500 | Introduction to teaching Mathematics in Middle Grades and Secondary Schools  *(spring only)* | 2 |
|  | MAT 2210 | Calculus I | 4 |  | MAT 2110 | Survey of Geometry  *(spring only)* | 3 |
| **Total Credits** | | | 17 |  | **Total Credits** | | 18 |

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* Apply for the Professional Semester and Graduation during Spring of Junior Year

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| **Junior Year** | | | | | | | |
| **Fall** | | | | **Spring: Apply to Internship Semester** | | | |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | \*EDN 3130 | Content Area Literacy | 3 |  | MAT 3600 (WD) | Connections in Mathematics II | 1 |
|  | MAT 3750 | Methods for Teaching Algebra  *(fall only)* | 3 |  | MAT 4020 (WD) | A Historical Development of Mathematics  *(spring only)* | 3 |
|  | MAT 3150 | Linear Algebra | 3 |  | MAT 3330 | Discrete Mathematics  *(spring only)* | 3 |
|  | MAT 2600 (WE) | Connections in Mathematics I | 1 |  | General Education | Philosophy/Religion | 3 |
|  | MAT 3500 | Teaching Mathematics with Technology  *(fall only)* | 2 |  | University Wide | Elective | 3 |
|  | University Wide | Elective | 2 |  |  |  |  |
| **Total Credits** | | | 15 | **Total Credits** | | | 13 |

* Prepare and Take Praxis II during Fall of Senior Year
* Complete edTPA during Professional (Internship) Semester

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| **Senior Year** | | | | | | | |
| **Fall** | | | | **Spring: Professional (Internship) Semester** | | | |
|  | Course Number | Course Title | Credits |  | Course Number | Course Title | Credits |
|  | MAT 4000 | Methods of Teaching Mathematics in Middle Grades and Secondary Schools  *(fall only)* | 3 |  | MAT 4490 | Internship in Mathematics in the Middle and Secondary School | 9 |
|  | CSC 4050 | Current Topics in Computers in Education | 3 |  | MAT 4750  (WD) | Professional Seminar in Middle and Secondary Mathematics | 3 |
|  | MAT 3280 | Probability and Statistics | 3 |  |
|  | MAT 4600 (WE) | Connections in Mathematics IIII | 1 |  |
|  | General Education | Elective | 3 |  |
| **Total Credits** | | | 13 | **Total Credits** | | | 12 |