General Education | Course | Semester | Grade | Prerequisites/Notes | Credit Hours
--- | --- | --- | --- | --- | ---
COMMUNICATION (9 hours) | ENGL 1010 | Semester | Grade | Must earn a grade of C- or better | 3
| ENGL 1020 | Semester | Grade | Must earn a grade of C- or better | 3
| COMM 2200 | Semester | Grade | Must earn a grade of C or better | 3
HISTORY (6 hours) | Choose two: HIST 2010, HIST 2020, HIST 2030 | Semester | Grade | 3
HUMANITIES AND/OR FINE ARTS (9 hours) | Choose one: ENGL 2020, 2030, HUM 2610. Choose two (different rubrics): ANTH 2210, ART 1030 or 1920, DANC 1000, HIST 1010, 1020, 1110, 1120, MUS 1030, PHIL 1030, THEA 1030 | Semester | Grade | 3
MATHMATICS (3 hours) | MATH 1910 | Semester | Grade | Must first have MATH 1730 (Pre-Calculus) with a grade of C or better, Math ACT of 26 or better, or Calculus placement test score of 73 or better. Also considered part of the major. | 3 (+1)
NATURAL SCIENCES (8 hours) | Choose two (different rubrics): ASTR 1030/1031, BIOL 1030/1031, BIOL 1110/1111, BIOL 2010/2011, BIOL 2020/2021, CHEM 1010/1011, CHEM 1030/1031, CHEM 1110/1111, GEOL 1030/1031, GEOL 1040/1041, PHYS 1110, PHYS 1120, PHYS 2110/2111, PSCI 1030/1031, PSCI 1130/1131 | Semester | Grade | 4

Hours Required: 41

Major Courses (Grade of C (2.0 GPA) or better required for Major Courses) (2.75 GPA pre-requisite for Directed Teaching) | Course | Semester | Grade | Prerequisites/Notes | Credit Hours
--- | --- | --- | --- | --- | ---
Calculus I | MATH 1910 | Semester | Grade | MATH 1730 with a grade of C or better, Math ACT of 26 or better, or Calculus placement test score of 73 or better (Three hours counted in Gen. Ed. All 4 hours are also considered part of the major.) | 1 (+3)
Calculus II | MATH 1920 | Semester | Grade | MATH 1910 with a grade of C or better | 4
Elements of Linear Algebra | MATH 2010 | Semester | Grade | MATH 1910 | 3
MATH 2050 Probability and Statistics or STAT 3150 Math Statistics (STAT 3150 is offered in the Fall only) | Semester | Grade | MATH 2050: MATH 1910 | 3
College Geometry (Spring only) | MATH 3070 | Semester | Grade | MATH 3460 | 3
Calculus III | MATH 3110 | Semester | Grade | MATH 1920 | 4
Foundations of Higher Math | MATH 3460 | Semester | Grade | MATH 1920 | 3
Abstract Algebra I | MATH 4510 | Semester | Grade | MATH 3460 | 3
History and Philosophy of Mathematics (Fall only) | MATH 4620 | Semester | Grade | MATH 3460 | 3
Seminar in Mathematics | MATH 4990 | Semester | Grade | Should be taken in the semester before Residency II | 3
MATH elective | MATH ____ | Semester | Grade | See advisor; See online catalog for prerequisites | 3

Hours Required: 33

Revised 4.25.2016
### Supporting Courses (Grade of C (2.0 GPA) or better required for supporting courses)

<table>
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<tr>
<th>Course</th>
<th>Semester</th>
<th>Grade</th>
<th>Prerequisites/Notes</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MATH 3320 - Teaching Mathematics in Grades 5-8</td>
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<td>Admission to teacher education program</td>
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<tr>
<td>MATH 3330 - Teaching Mathematics in Grades 9-12</td>
<td>(Fall only)</td>
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<td>Admission to teacher education program, completion of math core, and MATH 3320</td>
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<tr>
<td>MATH 4540 - Topics in Secondary School Mathematics</td>
<td>(Spring only)</td>
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<td>Admission to teacher education program and completion of mathematics core</td>
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<td>MATH 4740 - Research Methods</td>
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<td>YOED 3520</td>
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<tr>
<td>CSCI 1160 - Introduction to Computing: A Multimedia Approach</td>
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<td>Sufficient background in algebra</td>
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**Hours Required:** 16

### Minor – Secondary Education (see minor advisor for any questions regarding prerequisites)

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester</th>
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<th>Credit Hours</th>
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<tr>
<td>MSE 1010 - Step 1 Inquiry Approaches to Teaching</td>
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<td>MSE 2010 - Step 2 Inquiry Lesson Design</td>
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<td>YOED 3520 - Knowing and Learning in Science and Mathematics</td>
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<td>YOED 3550 - Classroom Interactions in Mathematics and Science</td>
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<td>YOED 4050 - Project-Based Instruction in Mathematics and Science</td>
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<td>PHIL 3120 - Perspectives on Science and Math</td>
<td>(Spring only)</td>
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<td>YOED 4040 - Residency I MTeach</td>
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<td>YOED 4400 - Residency II</td>
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**Total:** 30

Signed:  
Minor Advisor  
Date

1. Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at MTSU) with a 2.0 GPA, and a minimum of 60 senior college hours.

2. Remedial courses do not count toward the 120-hour requirement or cumulative degree GPA.

Signed:  
Major Advisor  
Date

Local Address:  
Phone:  

Revised 4.25.2016