Secondary Teacher Certification Requirements
Mathematics, B.S.

<table>
<thead>
<tr>
<th>Mathematics Core Requirements</th>
<th>Semester Taken</th>
<th>Grade</th>
<th>Professional Education Requirements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 151 Calculus and Analytic Geometry I</td>
<td></td>
<td></td>
<td>A GPA of 2.75 is required for official program entry. A GPA of 3.0 is required for entering internship. Students must attain a B or better in all required education courses at the 400 level.</td>
</tr>
<tr>
<td>MATH 152 Calculus and Analytic Geometry II</td>
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<tr>
<td>MATH 221 Introduction to Linear Algebra</td>
<td></td>
<td></td>
<td>EDUC 310 Inquiry into Education</td>
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<tr>
<td>MATH 225 Introduction to Differential Equations</td>
<td></td>
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<td>EDUC 311 Psychological Foundations of Education</td>
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<tr>
<td>MATH 251 Multivariable Calculus</td>
<td></td>
<td></td>
<td>EDUC 388 Inclusion and Instruction</td>
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<tr>
<td>MATH 301 Introduction to Mathematical Analysis I</td>
<td></td>
<td></td>
<td>EDUC 412 Analysis of Teaching and Learning</td>
</tr>
<tr>
<td>MATH 302 Introduction to Mathematical Analysis II</td>
<td></td>
<td></td>
<td>EDUC 410 Reading in the Content Area I</td>
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<tr>
<td>CMSC 201 Computer Science I</td>
<td></td>
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<tr>
<td>PHYS 121 Introductory Physics I</td>
<td></td>
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<tr>
<td>PHYS 122 Introductory Physics II</td>
<td></td>
<td></td>
<td>FALL SEMESTER ONLY</td>
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<tr>
<td>MATHEMATICS EDUCATION CONCENTRATION REQUIREMENTS</td>
<td></td>
<td></td>
<td>Phase I: Minimum 40 Half Days in Field Placement</td>
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<tr>
<td>MATHEMATICS EDUCATION CONCENTRATION REQUIREMENTS</td>
<td></td>
<td></td>
<td>Phase II: Minimum 80 Days in Field Placement</td>
</tr>
<tr>
<td>MATH 306 Geometry</td>
<td></td>
<td></td>
<td>EDUC 426 Secondary Mathematics Methods</td>
</tr>
<tr>
<td>MATH 341 Computational Methods</td>
<td></td>
<td></td>
<td>(Also serves as a supplementary elective for the Mathematics BA)</td>
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<tr>
<td>MATH 385 Introduction to Mathematical Modeling</td>
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<td>SPRING SEMESTER ONLY</td>
</tr>
<tr>
<td>STAT 355 Intro to Probability &amp; Statistics for Scientists and Engineers</td>
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<td>Phase II: Minimum 80 Days in Field Placement</td>
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<tr>
<td>MATH 407 Introduction to Modern Algebra and Number Theory</td>
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<td>EDUC 456 Internship in Education</td>
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<tr>
<td>MATH/STAT 4</td>
<td></td>
<td></td>
<td>EDUC 457 Internship Seminar in Secondary Education</td>
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<tr>
<td>MATH/STAT 4</td>
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<tr>
<td>SUPPLEMENTARY ELECTIVE</td>
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<tr>
<td>MATH 432 History of Mathematics</td>
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</tbody>
</table>

**Certification Test Scores**

<table>
<thead>
<tr>
<th>Praxis Core Reading (≥156)</th>
<th>ACT Composite (≥24)</th>
<th>Praxis II Mathematics: Content Knowledge 5161 (≥160)</th>
<th>ADVISING DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Praxis Core Writing (≥162)</td>
<td>SAT Math</td>
<td>FALL:</td>
<td>SPRING:</td>
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<tr>
<td>Praxis Core Mathematics (≥150)</td>
<td>SAT Reading</td>
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<tr>
<td>SAT Composite (≥1100)</td>
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<tr>
<td>Praxis II Principles of Teaching and Learning: Grades 7-12: 5624 (≥157)</td>
<td>ADVISOR</td>
<td></td>
<td></td>
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</tbody>
</table>