Math: MAJOR Requirements for Secondary Teacher Certification

These requirements are for students entering the program in summer 2008 or later.

Major/minor requirements are subject to change. All candidates are expected to consult with a School of Education advisor as they plan and progress through their program. In addition, candidates are responsible for checking with departments about possible prerequisites/co-requisites for non-Education courses required by their major/minor.

### Prerequisite/Co-requisite Course

<table>
<thead>
<tr>
<th>COURSE NUMBER</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
<th>COMPLETED?</th>
</tr>
</thead>
<tbody>
<tr>
<td>EECS 183</td>
<td>Elementary Programming Concepts</td>
<td>4</td>
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</tbody>
</table>

Math majors must complete a minimum of **34 credits** including the following:

### Major Requirements

<table>
<thead>
<tr>
<th>COURSE NUMBER</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
<th>COMPLETED?</th>
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</thead>
<tbody>
<tr>
<td>EDUC 413</td>
<td>Teaching Secondary School Mathematics</td>
<td>3</td>
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<tr>
<td>MATH 115</td>
<td>Calculus I</td>
<td>4</td>
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<tr>
<td>MATH 116</td>
<td>Calculus II</td>
<td>4</td>
<td></td>
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<tr>
<td>MATH 215</td>
<td>Calculus III</td>
<td>4</td>
<td></td>
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<tr>
<td>MATH 217</td>
<td>Linear Algebra</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MATH 351 OR MATH 451</td>
<td>Principles of Analysis OR Advanced Calculus I</td>
<td>3</td>
<td></td>
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<tr>
<td>MATH 425</td>
<td>Introduction to Probability</td>
<td>3</td>
<td></td>
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<tr>
<td>MATH 431</td>
<td>Geometry for Teachers</td>
<td>3</td>
<td></td>
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<tr>
<td>MATH 486</td>
<td>Concepts Basic to Secondary Mathematics</td>
<td>3</td>
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</tr>
<tr>
<td>MATH 312 OR MATH 412 OR MATH 475</td>
<td>Applied Modern Algebra OR Introduction to Modern Algebra OR Elementary Number Theory</td>
<td>3</td>
<td></td>
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</table>