Mathematics: MAJOR Requirements for Elementary 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.

Math majors must complete a minimum of 30 credits including the following:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 411</td>
<td>Teaching Elementary School Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 385</td>
<td>Mathematics for Elementary School Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 489</td>
<td>Mathematics for Elementary and Middle School Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 497</td>
<td>Topics in Elementary Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 115</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 116</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 215</td>
<td>Calculus III</td>
<td>4</td>
</tr>
</tbody>
</table>

Select courses from the following to reach a total of 30 credits:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 105</td>
<td>Data, Functions, and Graphs</td>
<td>4</td>
</tr>
<tr>
<td>MATH 107</td>
<td>Mathematics for the Information Age</td>
<td>3</td>
</tr>
<tr>
<td>MATH 127</td>
<td>Geometry and the Imagination</td>
<td>4</td>
</tr>
<tr>
<td>MATH 128</td>
<td>Explorations in Number Theory</td>
<td>4</td>
</tr>
<tr>
<td>MATH 147</td>
<td>Introduction to Interest Theory</td>
<td>3</td>
</tr>
<tr>
<td>MATH 399</td>
<td>Independent Reading</td>
<td>1-6</td>
</tr>
<tr>
<td>MATH 431</td>
<td>Topics in Geometry for Teachers</td>
<td>3</td>
</tr>
<tr>
<td>STATS 100</td>
<td>Introduction to Statistical Reasoning</td>
<td>4</td>
</tr>
<tr>
<td>STATS 350</td>
<td>Introduction to Statistics and Data Analysis</td>
<td>4</td>
</tr>
</tbody>
</table>