Science, Technology, Engineering, and Mathematics Education (MEd): Mathematics & Statistics Education Concentration

Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Core Course</strong></td>
<td></td>
</tr>
<tr>
<td>EMS 573</td>
<td>Design of Tools and Learning Environments in STEM Education</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Specialty Courses</strong></td>
<td>15</td>
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<tr>
<td></td>
<td>Select a minimum of five courses in Science, Mathematics,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Engineering, or Education approved in conjunction with the</td>
<td></td>
</tr>
<tr>
<td></td>
<td>academic committee</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Concentration Courses</strong></td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>See &quot;Concentration Requirements&quot; listed below</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td>30</td>
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</table>

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td></td>
<td><strong>Required Courses</strong></td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Select four courses from the following:</td>
<td></td>
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<tr>
<td>EMS 510</td>
<td>Interactions In the Mathematics Classroom</td>
<td></td>
</tr>
<tr>
<td>EMS 513</td>
<td>Teaching and Learning of Algebraic Thinking</td>
<td></td>
</tr>
<tr>
<td>EMS 514</td>
<td>Teaching and Learning of Geometric Thinking</td>
<td></td>
</tr>
<tr>
<td>EMS 519</td>
<td>Teaching and Learning of Statistical Thinking</td>
<td></td>
</tr>
<tr>
<td>EMS 580</td>
<td>Teaching Mathematics with Technology</td>
<td></td>
</tr>
</tbody>
</table>