## 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>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 573</td>
<td>Design of Tools and Learning Environments in STEM Education</td>
<td>3</td>
<td>Core Course</td>
</tr>
</tbody>
</table>

**Specialty Courses**

Select a minimum of five courses in Science, Mathematics, Engineering, or Education approved in conjunction with the academic committee: 15

**Concentration Courses**

See “Concentration Requirements” listed below: 12

**Total Hours**

30

### Concentration Requirements

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<tr>
<td></td>
<td>Required Courses</td>
<td>12</td>
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</tr>
</tbody>
</table>

Select four courses from the following:

- EMS 510  Interactions In the Mathematics Classroom
- EMS 513  Teaching and Learning of Algebraic Thinking
- EMS 514  Teaching and Learning of Geometric Thinking
- EMS 519  Teaching and Learning of Statistical Thinking
- EMS 580  Teaching Mathematics with Technology