# Mathematics Education (Minor)

## Plan Requirements

### Master's Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Required Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select three of the following courses:</td>
<td></td>
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<tr>
<td>EMS 510</td>
<td>Interactions In the Mathematics Classroom</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EMS 513</td>
<td>Teaching and Learning of Algebraic Thinking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EMS 514</td>
<td>Teaching and Learning of Geometric Thinking</td>
<td>3</td>
<td></td>
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<tr>
<td>EMS 519</td>
<td>Teaching and Learning of Statistical Thinking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EMS 580</td>
<td>Teaching Mathematics with Technology</td>
<td>3</td>
<td></td>
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<tr>
<td>EMS 573</td>
<td>Design of Tools and Learning Environments in STEM Education</td>
<td>3</td>
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<td></td>
<td><strong>Total Hours</strong></td>
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### PhD Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Required Courses</strong></td>
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<td>Select three or four courses from the following:</td>
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<tr>
<td>EMS 704</td>
<td>Curriculum Development and Evaluation In Science and Mathematics</td>
<td>4</td>
<td></td>
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<tr>
<td>EMS 705</td>
<td>Education and Supervision Of Teachers Of Mathematics and Science</td>
<td>4</td>
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<td>EMS 711</td>
<td>Research on the Teaching and Learning of Math at Secondary and Early College Levels</td>
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<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td>12</td>
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</tbody>
</table>

## Faculty

### Full Professors

- Jo-Ann D. Cohen
- Karen Flanagan Hollebrands
- Hollylynne Stohl Lee
- Paola Sztajn

### Associate Professors

- Jessica Heather Hunt
- Temple A. Walkowiak
Assistant Professors
Robin Keturah Anderson
Sunghwan Byun
Ruby Ellis
Erin Krupa
Jonee Wilson

Emeritus Faculty
Norman Dean Anderson
Jere Confrey
John Ronald Kolb
Larry W. Watson