# Mathematics Education (MS)

## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 513</td>
<td>Teaching and Learning of Algebraic Thinking</td>
<td>12</td>
<td>Core Courses</td>
</tr>
<tr>
<td>EMS 514</td>
<td>Teaching and Learning of Geometric Thinking</td>
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<tr>
<td>EMS 519</td>
<td>Teaching and Learning of Statistical Thinking</td>
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<tr>
<td>EMS 510</td>
<td>Interactions in the Mathematics Classroom</td>
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<tr>
<td>EMS 573</td>
<td>Design of Tools and Learning Environments in STEM Education</td>
<td></td>
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<tr>
<td>EMS 580</td>
<td>Teaching Mathematics with Technology</td>
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</tbody>
</table>

STEM Education course 3
Mathematical Science courses 2 15
Elective course 3
Research course 3

**Total Hours**: 36

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1 One must be a technology course
2 6/15 credit hours may be taken at 400 level

## 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