

# Mathematics Education (MS)

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## Degree Requirements

| Code                                       | Title   | Hours     | Counts towards |
|--|---|-----------|----------------|
| <b>Core Courses</b>                        |   |           |                |
| Select four of the following: <sup>1</sup> |   | 12        |                |
| 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 510                                    | Interactions In the Mathematics Classroom                   |           |                |
| EMS 573                                    | Design of Tools and Learning Environments in STEM Education |           |                |
| EMS 580                                    | Teaching Mathematics with Technology                        |           |                |
| STEM Education course                      |   | 3         |                |
| Mathematical Science courses <sup>2</sup>  |   | 15        |                |
| Elective course                            |   | 3         |                |
| Research course                            |   | 3         |                |
| <b>Total Hours</b>                         |   | <b>36</b> |                |

<sup>1</sup> One must be a technology course

<sup>2</sup> 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

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### Associate Professors

Jessica Heather Hunt

Temple A. Walkowiak

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### Assistant Professors

Robin Keturah Anderson

Sunghwan Byun

Ruby Ellis

Erin Krupa

Jonee Wilson

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### Emeritus Faculty

Norman Dean Anderson

Jere Confrey

John Ronald Kolb

Larry W. Watson