# Teaching (MA): Math Education Concentration

## Degree Requirements

### Core Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED 507</td>
<td>Principles of Developing and Interpreting Assessment (2 credit hours)</td>
<td>12</td>
<td></td>
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<tr>
<td>ED 508</td>
<td>Exploring Diversity in Classroom and Community (3 credit hours)</td>
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<tr>
<td>ECI 579</td>
<td>Organization and Behavioral Management of Inclusive Classrooms (3 credit hours)</td>
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<tr>
<td>ED 569</td>
<td>Teaching Internship: MAT (4 credit hours)</td>
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</tbody>
</table>

### Concentration Requirements

<table>
<thead>
<tr>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Concentration Courses</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>Choose four courses from the list below</td>
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<tr>
<td>EMS 510</td>
<td>Interactions In the Mathematics Classroom</td>
<td></td>
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<tr>
<td>EMS 513</td>
<td>Teaching and Learning of Algebraic Thinking</td>
<td></td>
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<tr>
<td>EMS 514</td>
<td>Teaching and Learning of Geometric Thinking</td>
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</tr>
<tr>
<td>EMS 519</td>
<td>Teaching and Learning of Statistical Thinking</td>
<td></td>
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<tr>
<td>EMS 580</td>
<td>Teaching Mathematics with Technology</td>
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</tbody>
</table>

### Mathematical Science Concentration Courses

Select a minimum of six hours of courses listed below:

- MA 402 Mathematics of Scientific Computing
- MA 405 Introduction to Linear Algebra
- MA 493 Special Topics in Mathematics
- MA 501 Advanced Mathematics for Engineers and Scientists I
- MA 502 Advanced Mathematics for Engineers and Scientists II
- MA 507 Survey of Real Analysis
- MA 508 Survey of Geometry
- MA 509 Survey of Abstract Algebra
- MA 511 Advanced Calculus I
- MA 513 Introduction To Complex Variables
- MA 523 Linear Transformations and Matrix Theory
- MA 580 Numerical Analysis I
- MA 591 Special Topics
- ST 501 Fundamentals of Statistical Inference I
- ST 511 Statistical Methods For Researchers I
- ST 512 Statistical Methods For Researchers II

**Total Hours**: 30

*18 concentration credits are required for middle grades. 24 concentration credits are required for high school.

## Faculty

### Full Professors

- Margaret R. Blanchard
- Aaron C. Clark
- Jere Confrey
- Cathy L. Crossland
Teaching (MA): Math Education Concentration

Krista Dawn Glazewski
Karen Hollebrands
M. Gail Jones
Hollylynne Stohl Lee
John Kelly Lee
Soonhye Park
Edward J. Sabornie

Associate Professors
Candy M. Beal
K.C. Busch
Sarah Carrier
Cesar Delgado
Cameron D. Denson
Chu-Jen Huang
Jessica Hunt
Meghan Manfra
Angela Wiseman
Carl A. Young

Practice/Research/Teaching Professors
Drinda Elaine Benge
Vandna Gill Bindra
Sarah Cannon
Cyndi Edgington
Nolan Edward Fahrer
Micha Jennine Jeffries
Jill Jones
Joanna Greer Koch
W. Matt Reynolds
Jared Stewart-Ginsburg

Emeritus Faculty
Candy M. Beal
Valerie Faulkner
Ruie J. Pritchard
Edward J. Sabornie

Assistant Professors
Robin Anderson
Sunghwan Byun
Marissa Marie Sloan Franzen
Michael Andre Jarry-Shore
Tamecia Jones
Erin Krupa
Crystal Lee
Paula McAvoy
Amato Nocera
Jamie Pearson
Samantha Marshall Pham
Daniela Castellanos Reyes
William Reynolds