# Teaching (MA): Math Education Concentration

## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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</thead>
<tbody>
<tr>
<td>ED 508</td>
<td>Exploring Diversity in Classroom and Community</td>
<td>15</td>
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<tr>
<td>ECI 579</td>
<td>Organization and Behavioral Management of Inclusive Classrooms</td>
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<tr>
<td>ED 507</td>
<td>Principles of Developing and Interpreting Assessment</td>
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<tr>
<td>ED 570</td>
<td>Classroom Action Research</td>
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<tr>
<td>ED 571</td>
<td>Inquiry and Professional Development</td>
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<tr>
<td>ED 569</td>
<td>Teaching Internship: MAT</td>
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<tr>
<td>ED 572</td>
<td>Teacher Leadership</td>
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## Concentration Requirements

### Required Courses

Select four of the following courses:

- EMS 580  Teaching Mathematics with Technology
- 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

### Mathematical Science Courses

Select a minimum of six hours of courses listed below:

- MA 402  Mathematics of Scientific Computing  3 hours
- MA 405  Introduction to Linear Algebra  3 hours
- MA 493  Special Topics in Mathematics  1-6 hours
- MA 501  Advanced Mathematics for Engineers and Scientists I  3 hours
- MA 502  Advanced Mathematics for Engineers and Scientists II  3 hours
- MA 507  Survey of Real Analysis  3 hours
- MA 508  Survey of Geometry  3 hours
- MA 509  Survey of Abstract Algebra  3 hours
- MA 511  Introduction to Advanced Calculus  3 hours
- MA 513  Introduction To Complex Variables  3 hours
- MA 523  Linear Transformations and Matrix Theory  3 hours
- MA 580  3 hours
- MA 591  Special Topics  1-6 hours
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<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>ST 501</td>
<td>Fundamentals of Statistical Inference I</td>
<td>3</td>
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<tr>
<td>ST 511</td>
<td>Statistical Methods For Researchers I</td>
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<tr>
<td>ST 512</td>
<td>Statistical Methods For Researchers II</td>
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Faculty

Full Professors
Margaret R. Blanchard
Aaron C. Clark
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Amato Nocera
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William Reynolds
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Practice/Research/Teaching Professors
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Nolan Edward Fahrer
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Anne Harrington
Kristen Hoffmann
Micha Jennine Jeffries
Jill Jones
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Emeritus Faculty
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