# Teaching Middle Grades Mathematics (M.A.)

## Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTHM 505</td>
<td>Number and Operations in the Middle Grades</td>
<td>3</td>
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<tr>
<td>MTHM 506</td>
<td>Algebra and Algebraic Thinking in the Middle Grades</td>
<td>3</td>
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<tr>
<td>MTHM 507</td>
<td>Geometry for Middle-Grade Math Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MTHM 508</td>
<td>Data Analysis and Probability in the Middle Grades</td>
<td>3</td>
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<tr>
<td>MTHM 509</td>
<td>Measurement in the Middle Grades</td>
<td>3</td>
</tr>
<tr>
<td>MATH 611</td>
<td>Leadership Development in Mathematics Education</td>
<td>3</td>
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### Mathematics Education Electives

Select five of the following: 15 credits

- MATH 513 Educational Technology for School Mathematics
- MATH 571 Curriculum Construction in Mathematics
- MATH 572 Contemporary Teaching of Mathematics
- MATH 573 Mathematics Materials for Teachers of Mathematics
- MATH 578 Special Topics in Mathematics Education
- MTHM 579 Applied Mathematics for the Middle Schools

### Culminating Experience

Minimum of 24 credits, including MATH 611 and 3.0 GPA required prior to completion.

Select one of the following options: 0-3 credits

- **Comprehensive Paper and Presentation**
  - GRAD CMP Comprehensive Examination
  - In the term that you will sit for exam, register for the section which matches your major & advisor. Successfully pass exam.

- **Present and defend a Master's Thesis**
  - MATH 698 Master's Thesis
  - Submit the completed Thesis original and one copy to the Graduate Office. See Thesis Guidelines for details.

### Total Credits

33-36