M.S. IN MATHEMATICS

http://www.math.miami.edu/

Admission Requirement
A minimum of 15 credit hours in mathematics courses numbered 200 and above is required. For more information about admission, please visit our website (http://www.math.miami.edu/graduate/application-procedure).

Curriculum Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A minimum of 24 credit hours must be earned in Mathematics Courses</td>
<td></td>
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<tr>
<td>Choose two of the following:</td>
<td></td>
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<tr>
<td>MTH 631 &amp; MTH 632</td>
<td>Topology I and Topology II</td>
<td>12</td>
</tr>
<tr>
<td>MTH 633 &amp; MTH 634</td>
<td>Introduction to Real Analysis I and Introduction to Real Analysis II</td>
<td></td>
</tr>
<tr>
<td>MTH 661 &amp; MTH 662</td>
<td>Abstract Algebra I and Abstract Algebra II</td>
<td></td>
</tr>
<tr>
<td>MTH Courses 700 level and higher</td>
<td></td>
<td>9-15</td>
</tr>
<tr>
<td>Additional Courses</td>
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<td>9</td>
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</table>

Three written exams, at least two of which are on the basic sequences of the above list, must be passed.

Total Credit Hours 30-36

1. If a student takes 15 credits in MTH at the 700 level or higher 30 credits are required for the Masters.
2. If a student takes 12-14 credits in MTH at the 700 level or higher 33 credits are required for the Masters.
3. If a student takes 9-11 credits in MTH at the 700 level or higher 36 credits are required for the Masters.

Sample Plan of Study

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Year One</td>
<td></td>
<td></td>
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<tr>
<td>Fall</td>
<td></td>
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<tr>
<td>MTH 631</td>
<td>Topology I</td>
<td>3</td>
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<tr>
<td>MTH 633</td>
<td>Introduction to Real Analysis I</td>
<td>3</td>
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<td>MTH 661</td>
<td>Abstract Algebra I</td>
<td>3</td>
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<tr>
<td>700 Level Topics Course</td>
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<td>3</td>
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<td></td>
<td>Credit Hours</td>
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</tr>
<tr>
<td>Spring</td>
<td></td>
<td></td>
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<tr>
<td>MTH 632</td>
<td>Topology II</td>
<td>3</td>
</tr>
<tr>
<td>MTH 634</td>
<td>Introduction to Real Analysis II</td>
<td>3</td>
</tr>
<tr>
<td>MTH 662</td>
<td>Abstract Algebra II</td>
<td>3</td>
</tr>
<tr>
<td>700 Level Topics Course</td>
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<td>3</td>
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<tr>
<td>Topic Sequence MS Exams</td>
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</tr>
<tr>
<td></td>
<td>Credit Hours</td>
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