MINOR IN MATHEMATICS

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Web address for department: www.math.illinois.edu

Students must complete MATH 241, and at least one 400-level MATH course for admission into the minor. The Mathematics minor is designed to prepare students majoring in some other discipline with a background in mathematics that is both broad and deep. Students interested in pursuing the minor should have completed the calculus sequence through MATH 241, and one additional Math course at the 400-level demonstrating a strong record of success in college-level mathematics courses. Given the cumulative character of mathematics preparation, students earning grades of C or below in previous mathematics courses are advised not to pursue the minor.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MATH 241</td>
<td>Calculus III</td>
<td>4</td>
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<td>Completed in one of two ways:</td>
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<td>MATH 347 Fundamental Mathematics (and four courses chosen from at least two of the following lists of courses)</td>
<td>15</td>
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<tr>
<td>OR</td>
<td>five courses chosen from at least two of the following lists of courses.</td>
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**Geometry**

- MATH 402 Non Euclidean Geometry
- MATH 403 Euclidean Geometry
- MATH 423 Differential Geometry
- MATH 428 Honors Topics in Mathematics
- MATH 432 Set Theory and Topology
- MATH 481 Vector and Tensor Analysis

**Probability and Statistics**

- MATH 461 Probability Theory
- STAT 400 Statistics and Probability I
- STAT 410 Statistics and Probability II

Total Hours: 19

1. Students may use STAT 410 or STAT 420, but not both toward the minor.