MATHEMATICS MINOR

https://ceps.unh.edu/mathematics-statistics/program/minor/mathematics

Description

The minor in mathematics is open to all students enrolled at the University of New Hampshire.

Credit toward the minor will be given only for courses passed with C- or better, and a 2.0 grade-point average must be maintained in courses for the minor. Courses taken on the pass/fail basis may not be used for the minor. Students should declare their intent to earn a minor as early as possible and no later than the end of the junior year. During the final term, an application should be made to the dean of the student’s major college to have the minor shown on the academic record. Students must consult with their major adviser and also the minor supervisor.

It requires a minimum of five MATH courses as detailed in the minor requirements. No more than 8.0 credits (or two courses) used by the student to satisfy major requirements may be used for the minor. Additional courses from the list of course electives may be utilized to meet the five-course minimum.

For further details please contact Professor Junhao Shen.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 528</td>
<td>Multidimensional Calculus ¹</td>
<td>4</td>
</tr>
<tr>
<td>MATH 531</td>
<td>Mathematical Proof</td>
<td>4</td>
</tr>
<tr>
<td>MATH 761</td>
<td>Abstract Algebra</td>
<td>4</td>
</tr>
<tr>
<td>or MATH 767</td>
<td>One-Dimensional Real Analysis</td>
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</tr>
<tr>
<td>Electives</td>
<td>Select two of the following:</td>
<td>8</td>
</tr>
<tr>
<td>MATH 658</td>
<td>Topics in Geometry</td>
<td></td>
</tr>
<tr>
<td>MATH 760</td>
<td>Geometry</td>
<td></td>
</tr>
<tr>
<td>MATH 761</td>
<td>Abstract Algebra</td>
<td></td>
</tr>
<tr>
<td>MATH 763</td>
<td>Abstract Algebra II</td>
<td></td>
</tr>
<tr>
<td>MATH 765</td>
<td>Introduction to Commutative Algebra and</td>
<td></td>
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<tr>
<td></td>
<td>Algebraic Geometry</td>
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<tr>
<td>MATH 767</td>
<td>One-Dimensional Real Analysis</td>
<td></td>
</tr>
<tr>
<td>MATH 768</td>
<td>Real Analysis II</td>
<td></td>
</tr>
<tr>
<td>MATH 769</td>
<td>Introduction to Differential Geometry</td>
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<tr>
<td>MATH 770</td>
<td>Foundations of Number Theory</td>
<td></td>
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<tr>
<td>MATH 772</td>
<td>Combinatorics</td>
<td></td>
</tr>
<tr>
<td>MATH 776</td>
<td>Logic</td>
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<tr>
<td>MATH 783</td>
<td>Set Theory</td>
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<tr>
<td>MATH 784</td>
<td>Topology</td>
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</tr>
<tr>
<td>MATH 788</td>
<td>Complex Analysis</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 20

¹ This requirement may be satisfied by MATH 525 Linearity I and MATH 526 Linearity II