ACTUARIAL MATHEMATICS MINOR

Mathematics (MATH)
1117 Mathematics Building
301-405-5053
www-math.umd.edu (http://www-math.umd.edu)

The Department of Mathematics offers a minor in Actuarial Mathematics for students whose majors are not mathematics. The goal of the minor in Actuarial Mathematics is to provide the student with an introduction to statistics in general and actuarial mathematics in particular. This minor is closely related to the minor in Statistics, but its focus is on actuarial mathematics.

The departmental advisor for this program is Ida Chan, Undergraduate Mathematics Advisor (ichan@umd.edu (ichan@math.umd.edu)).

Requirements
16 credits are required for the minor as outlined below:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH241</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>or MATH340</td>
<td>Multivariable Calculus, Linear Algebra and Differential Equations I (Honors)</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following pairs of courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT400</td>
<td>Applied Probability and Statistics I</td>
<td>6</td>
</tr>
<tr>
<td>&amp; STAT401</td>
<td>Applied Probability and Statistics II</td>
<td></td>
</tr>
</tbody>
</table>

OR

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>STAT410</td>
<td>Introduction to Probability Theory</td>
<td>6</td>
</tr>
<tr>
<td>&amp; STAT420</td>
<td>and Theory and Methods of Statistics</td>
<td></td>
</tr>
</tbody>
</table>

OR

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</tbody>
</table>

|MATH461 | Linear Algebra for Scientists and Engineers | 3-4   |
| or MATH240 | Introduction to Linear Algebra |        |
| or MATH341 | Multivariable Calculus, Linear Algebra, Differential Equations II (Honors) |        |

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<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>STAT470</td>
<td>Actuarial Mathematics</td>
<td>3</td>
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</tbody>
</table>

Recommended

<table>
<thead>
<tr>
<th>Course</th>
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<th></th>
</tr>
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<tbody>
<tr>
<td>MATH424</td>
<td>Introduction to the Mathematics of Finance</td>
<td></td>
</tr>
<tr>
<td>STAT430</td>
<td>Introduction to Statistical Computing with SAS</td>
<td></td>
</tr>
</tbody>
</table>

Other issues related to coursework:

- The minor in Actuarial Mathematics is NOT open to Mathematics majors.
- The student will need to achieve at least a "C-" (1.7) in each minor course and an overall minor GPA of 2.0.
- A student may use a maximum of 2 courses to satisfy the requirements of both a major and a minor in Actuarial Mathematics.
- No more than two of the courses for the minor in Actuarial Mathematics may be taken at an institution other than the University of Maryland, College Park. In addition, only one of the upper-level courses for the minor may be taken at an institution other than the University of Maryland, College Park.