The minor, administered by the Department of Statistics, is designed to provide students with an understanding of the concepts of statistical inference and a familiarity with the methods of applied statistical analysis. A minor in statistics will assist students with their major field of study to better prepare them for a career in their chosen field. It will also prepare students for graduate studies in statistics or in one of many areas where data analysis plays an important role. Interested students should contact the Statistics undergraduate advisor for admission into the minor. Students should have completed the calculus sequence through MATH 241 before entering the minor. Students must choose from either the Applied or Mathematical Statistics Track.

### Applied Statistics Track

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 125</td>
<td>Elementary Linear Algebra</td>
<td>2-3</td>
</tr>
<tr>
<td>MATH 225</td>
<td>Introductory Matrix Theory</td>
<td></td>
</tr>
<tr>
<td>MATH 415</td>
<td>Applied Linear Algebra</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACE 261</td>
<td>Applied Statistical Methods</td>
<td>3-4</td>
</tr>
<tr>
<td>CPSC 241</td>
<td>Intro to Applied Statistics</td>
<td></td>
</tr>
<tr>
<td>ECON 202</td>
<td>Economic Statistics I</td>
<td></td>
</tr>
<tr>
<td>EPSY 280</td>
<td>Elements of Statistics</td>
<td></td>
</tr>
<tr>
<td>PSYC 235</td>
<td>Intro to Statistics</td>
<td></td>
</tr>
<tr>
<td>STAT 100</td>
<td>Statistics</td>
<td></td>
</tr>
<tr>
<td>SOC 280</td>
<td>Intro to Social Statistics</td>
<td></td>
</tr>
<tr>
<td>STAT 200</td>
<td>Statistical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>or STAT 212</td>
<td>Biostatistics</td>
<td></td>
</tr>
</tbody>
</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 400</td>
<td>Statistics and Probability I</td>
<td>4</td>
</tr>
<tr>
<td>STAT 420</td>
<td>Methods of Applied Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one 300- or 400-level course from the list maintained by the department. Please see the Statistics advisor for a current list.

Total Hours: 18-21

### Mathematical Statistics Track

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 415</td>
<td>Applied Linear Algebra</td>
<td>3-4</td>
</tr>
<tr>
<td>STAT 200</td>
<td>Statistical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>or STAT 212</td>
<td>Biostatistics</td>
<td></td>
</tr>
<tr>
<td>STAT 400</td>
<td>Statistics and Probability I</td>
<td>4</td>
</tr>
<tr>
<td>or ECE 313</td>
<td>Probability with Enggr Applic</td>
<td>3</td>
</tr>
</tbody>
</table>

Students who have completed STAT 408 and STAT 409 will not need to take STAT 400.