Minor in Statistics

To satisfy the minor requirements, students must complete 18 semester hours (six courses) from either our General Statistics or Applied Statistics option. Both options require one introductory statistics course.

Choose one Introductory Course (3 credits)

MATH.141 Introduction to Statistics
MATH.241 Probability and Statistics
SOC.260 Basic Social Statistics
PSYCH.160 Basic Statistics
ECONOMIC.256 Business and Economics Statistics
CRIMJUST.210 Criminal Justice Statistics

Other introductory courses may be acceptable with the approval of the Department of Mathematics, Computer Science, and Statistics

Choose five courses from one of two options below (15 credits)

<table>
<thead>
<tr>
<th>General Statistics Option</th>
<th>Applied Statistics Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose five courses from the list below (15 credits)</td>
<td>Five Courses (15 credits)</td>
</tr>
<tr>
<td>MATH.240 Statistical Methods</td>
<td>1. MATH.240 Statistical Methods</td>
</tr>
<tr>
<td>MATH.243 Non-parametric Statistics</td>
<td>2. MATH.343 Applied Regression Analysis</td>
</tr>
<tr>
<td>MATH.340 Statistical Software</td>
<td>3. MATH.342 Design and Analysis of Experiments</td>
</tr>
<tr>
<td>MATH.342 Design and Analysis of Experiments</td>
<td>4. MATH.340 Statistical Software</td>
</tr>
<tr>
<td>MATH.343 Applied Regression Analysis</td>
<td>5. Choose one of the following three courses</td>
</tr>
<tr>
<td>MATH.441 Mathematics and Sports</td>
<td>a. Math 344 Statistics and Sports</td>
</tr>
<tr>
<td>MATH.446 Biostatistics</td>
<td>b. Math 345 Statistical Quality Control</td>
</tr>
<tr>
<td>MATH.461 Probability Models and Applications</td>
<td>c. Math 347 Statistics for Health Sciences</td>
</tr>
<tr>
<td>MATH.462 Introduction to Mathematical Statistics</td>
<td></td>
</tr>
</tbody>
</table>

At most one course related to statistics from outside the Department of Mathematics, Computer Science & Statistics may be acceptable with the approval of the Department of Mathematics, Computer Science, & Statistics.

Some examples include:
- ECONOMIC.456 Introduction to Econometrics
- ECONOMIC.356 Business and Economics Statistics II
- PSYCH.464 Advanced Experimental Design
- BIOLOGY.332 Genetics
- BIOLOGY.351 Ecology
- NURSING.306 Introduction to Nursing Research
- SOC.466 Advanced Social Research

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