MINOR IN STATISTICS

Students with a statistics minor will get training in data analysis, probability, and quantitative reasoning, which will enhance any education in science, social science, medicine, finance, etc.

Requirements

Effective Spring 2017

Students must satisfactorily complete the total credits required for the minor. Minors and interdisciplinary minors require 12 or more upper-division (300- to 400-level) credits.

Additional coursework may be required due to prerequisites.

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Additional coursework may be required due to prerequisites.

A minimum grade of C must be achieved in all statistics courses (STAT subject code and dual listed) required for the minor in statistics.

Students in the biological and social sciences who are interested in applications of statistical methods should take STAT 301 (or STAT 307 or STAT 311) and STAT 305. Students in the physical sciences who are interested in applications of statistical methods should take STAT 315 and STAT 460. Students interested in statistical theory should take STAT 420 and STAT 430.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GROUP A (Select one):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STAT 301</td>
<td>Introduction to Statistical Methods</td>
<td>3</td>
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<tr>
<td>STAT 307</td>
<td>Introduction to Biostatistics</td>
<td></td>
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<tr>
<td>STAT 311</td>
<td>Statistics for Behavioral Sciences I</td>
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<tr>
<td>STAT 315</td>
<td>Statistics for Engineers and Scientists</td>
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<td>GROUP B (Select one):</td>
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<tr>
<td>STAT 158</td>
<td>Introduction to R Programming</td>
<td>3</td>
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<tr>
<td>STAT 358</td>
<td>Introduction to Statistical Computing in SAS</td>
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<tr>
<td>STAT 400</td>
<td>Statistical Computing</td>
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<tr>
<td>STAT 420</td>
<td>Probability and Mathematical Statistics I</td>
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<tr>
<td>STAT 440</td>
<td>Bayesian Data Analysis</td>
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<td>GROUP C (Must take BOTH courses)</td>
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<tr>
<td>STAT 341</td>
<td>Statistical Data Analysis I</td>
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<tr>
<td>STAT 342</td>
<td>Statistical Data Analysis II</td>
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<td>GROUP D (Select one):</td>
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<tr>
<td>STAT 305</td>
<td>Sampling Techniques</td>
<td>3</td>
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<tr>
<td>STAT 430</td>
<td>Probability and Mathematical Statistics II</td>
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<tr>
<td>STAT 460</td>
<td>Applied Multivariate Analysis</td>
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<td>Electives: choose 6 credits of the following:</td>
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<tr>
<td>ECE 311</td>
<td>Linear System Analysis I</td>
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<tr>
<td>ECE 312</td>
<td>Linear System Analysis II</td>
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<tr>
<td>ECON 335/AREC 335</td>
<td>Introduction to Econometrics</td>
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<tr>
<td>ECON 435</td>
<td>Economic Forecasting</td>
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<tr>
<td>F 321</td>
<td>Forest Biometry</td>
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<tr>
<td>F 422</td>
<td>Quantitative Methods in Forest Management</td>
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</tbody>
</table>

Program Total Credits: 21