## Applied Statistics Minor

**Minor in Applied Statistics**

**Information**
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**The Program**

It is increasingly necessary for practitioners in any quantitative discipline to have a substantial background in statistics. Whereas statistics has traditionally played a central role in the biological and natural resources sciences, it is now equally important in business, economics, and the social sciences.

The applied statistics minor is designed to provide the broad statistical knowledge and practical skills needed for application of statistical techniques to research and management problems in a wide variety of disciplines. The introductory, intermediate, and topics courses include computer laboratory sessions, in which students learn to use statistical software. The minor culminates with an upper division applications course.

Different choices for the introductory, intermediate, and applications courses make the applied statistics minor an attractive complement to bachelor’s degree programs in business, economics, psychology, and the biological and natural resources sciences.

### REQUIREMENTS FOR THE MINOR

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 115</td>
<td>Algebra &amp; Elementary Functions, or equivalent math placement code</td>
<td>4</td>
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<tr>
<td>MATH 105</td>
<td>Calculus for the Biological Sciences &amp; Natural Resources</td>
<td>3</td>
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<tr>
<td>MATH 109</td>
<td>Calculus I</td>
<td>4</td>
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**One of the following calculus courses:**

- MATH 105 | Calculus for the Biological Sciences & Natural Resources | 3 |
- MATH 109 | Calculus I | 4 |

**One of the following introductory courses:**

- PSYC 241 | Introduction to Psychological Statistics | 4 |
- STAT 108 | Elementary Statistics | 4 |
- STAT 109 | Introductory Biostatistics | 4 |

**One of the following intermediate courses:**

- BA 332 | Intermediate Business Statistics | 4 |
- PSYC 47B | Analysis of Variance | 4 |
- STAT 333 | Linear Regression Models/ANOVA | 4 |

Two topics courses from the following list:

- STAT 323 | Probability & Statistics | 4 |
- STAT 404 | Multivariate Statistics | 4 |
- STAT 406 | Sampling Design & Analysis | 4 |
- STAT 409 | Experimental Design & Analysis | 4 |
- STAT 410 | Modern Statistical Modeling | 4 |
- STAT 480 | Special Topics in Statistics | (1-3) |

One advanced applications course from the following list:

- BA 446 | Marketing Research | 4 |
- FISH 45B | Fish Population Dynamics | 4 |
- FOR 311 | Forest Mensuration & Growth | 4 |
- PSYC 48B | Regression/Multivariate Topics | 4 |
- WLDF 311 | Wildlife Techniques | 4 |
- WLDF 47B | Animal Energetics | 3 |

or other applications course with substantial statistics content, as approved by the Applied Statistics coordinator.

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