STATISTICS, MINOR

College of Letters & Science

The Program
The Department offers a minor program in Statistics that consists of five upper division level courses focusing on the fundamentals of mathematical statistics and of the most widely used applied statistical methods.

Minor Advisors
For a current list of faculty and staff advisors, see Undergraduate Advising (https://statistics.ucdavis.edu/undergrad/advising/).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 013/013Y</td>
<td>Elementary Statistics</td>
<td></td>
</tr>
<tr>
<td>STA 032</td>
<td>Gateway to Statistical Data Science</td>
<td></td>
</tr>
<tr>
<td>STA 100</td>
<td>Applied Statistics for Biological Sciences</td>
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Additional preparatory courses will be needed based on the course prerequisites listed in the catalog. At minimum, calculus at the level of MAT 016C or 017C or 021C is required.

Minor Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>STA 106</td>
<td>Applied Statistical Methods: Analysis of Variance</td>
<td>4</td>
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<tr>
<td>STA 108</td>
<td>Applied Statistical Methods: Regression Analysis</td>
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Choose a series: 8

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>STA 130A</td>
<td>Mathematical Statistics: Brief Course</td>
<td></td>
</tr>
<tr>
<td>&amp; STA 130B</td>
<td>and Mathematical Statistics: Brief Course</td>
<td></td>
</tr>
<tr>
<td>STA 131A</td>
<td>Introduction to Probability Theory</td>
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</tr>
<tr>
<td>&amp; STA 131B</td>
<td>and Introduction to Mathematical Statistics</td>
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Choose one: 4

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>STA 101</td>
<td>Advanced Applied Statistics for the Biological Sciences</td>
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<tr>
<td>STA 104</td>
<td>Applied Statistical Methods: Nonparametric Statistics</td>
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<tr>
<td>STA 135</td>
<td>Multivariate Data Analysis</td>
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<tr>
<td>STA 137</td>
<td>Applied Time Series Analysis</td>
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<td>STA 138</td>
<td>Analysis of Categorical Data</td>
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<tr>
<td>STA 141A</td>
<td>Fundamentals of Statistical Data Science</td>
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<tr>
<td>STA 141B</td>
<td>Data &amp; Web Technologies for Data Analysis</td>
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<tr>
<td>STA 141C</td>
<td>Big Data &amp; High Performance Statistical Computing</td>
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<tr>
<td>STA 142A</td>
<td>Statistical Learning I</td>
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</tr>
<tr>
<td>STA 142B</td>
<td>Statistical Learning II</td>
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<tr>
<td>STA 144</td>
<td>Sampling Theory of Surveys</td>
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<tr>
<td>STA 145</td>
<td>Bayesian Statistical Inference</td>
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<tr>
<td>STA 160</td>
<td>Practice in Statistical Data Science</td>
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Total Units 20