Statistics, Minor

The minor in Statistics is designed to provide students with exposure to both statistical theory and practice. The minor requires a total of seven courses. These include a mathematics course, five core statistics courses, and an elective that may be taken from among several departments. Some of the courses used to complete the minor may include prerequisites that may or may not be part of a student’s course requirements for their major. Because of this, the minor is somewhat intensive, but it is a useful complement to a variety of undergraduate fields for mathematically inclined students. The minor, supplemented with a few additional courses (mathematics and computing), would provide sufficient background for graduate study in statistics. Students considering a minor in Statistics should meet with the academic counselor of their major as early as possible to plan their course work and incorporate the required courses into their four-year academic plan.

### Required Courses

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MATH 3A</td>
<td>Introduction to Linear Algebra</td>
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<tr>
<td>or I&amp;C SCI 6N</td>
<td>Computational Linear Algebra</td>
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<tr>
<td>STATS 110-111</td>
<td>Statistical Methods for Data Analysis I and Statistical Methods for Data Analysis II</td>
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<tr>
<td>STATS 120A-120B-120C</td>
<td>Introduction to Probability and Statistics I and Introduction to Probability and Statistics II and Introduction to Probability and Statistics III</td>
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Select one elective from the following:

1. I&C SCI 31 | Introduction to Programming
2. MATH 130B | Probability II
   or MATH 130C | Stochastic Processes
3. STATS 7 | Basic Statistics (or equivalent course) 2
4. STATS 112 | Statistical Methods for Data Analysis III
5. STATS 115 | Introduction to Bayesian Data Analysis
6. STATS 140 | Multivariate Statistical Methods

1 Or can substitute another course with approval of the Director of Undergraduate Studies.
2 Only if taken prior to STATS 110

NOTE: A maximum of two courses can be taken Pass/Not Pass toward a minor. Visit the ICS Student Affairs Office website for Majors and Minors restrictions. (http://www.ics.uci.edu/ugrad/degrees/MajorMinor_Restrictions_Chart.pdf)

- Data Science, B.S.
- Statistics, M.S.
- Statistics, Ph.D.