

# 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	
MATH 3A	Introduction to Linear Algebra
or I&C SCI 6N	Computational Linear Algebra
STATS 110- 111	Statistical Methods for Data Analysis I and Statistical Methods for Data Analysis II
STATS 120A- 120B- 120C	Introduction to Probability and Statistics I and Introduction to Probability and Statistics II and Introduction to Probability and Statistics III
Select one elective from the following: <sup>1</sup>	
I&C SCI 31	Introduction to Programming
MATH 130B	Probability II
or MATH 130C	Stochastic Processes
STATS 7	Basic Statistics (or equivalent course) <sup>2</sup>
STATS 112	Statistical Methods for Data Analysis III
STATS 115	Introduction to Bayesian Data Analysis
STATS 140	Multivariate Statistical Methods

<sup>1</sup> Or can substitute another course with approval of the Director of Undergraduate Studies.

<sup>2</sup> Only if taken prior to STATS 110

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

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