

# 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/>). Students are encouraged to meet with an advisor to plan for the minor as early as possible.

Code	Title	Units
<i>Preparatory Coursework; not counted towards minor units</i>		
Choose one:		
STA 013	Elementary Statistics	
STA 013Y	Elementary Statistics	
STA 032	Gateway to Statistical Data Science	
STA 100	Applied Statistics for Biological Sciences	
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 019C or 021C is required.		
<i>Minor Requirements</i>		
STA 106	Applied Statistical Methods: Analysis of Variance	4
STA 108	Applied Statistical Methods: Regression Analysis	4
Choose a series:		8
STA 130A & STA 130B	Mathematical Statistics: Brief Course and Mathematical Statistics: Brief Course	
STA 131A & STA 131B	Introduction to Probability Theory and Introduction to Mathematical Statistics	
Choose one:		4
STA 101	Advanced Applied Statistics for the Biological Sciences	
STA 104	Applied Statistical Methods: Nonparametric Statistics	
STA 135	Multivariate Data Analysis	
STA 137	Applied Time Series Analysis	
STA 138	Analysis of Categorical Data	
STA 141A	Fundamentals of Statistical Data Science	
STA 141B	Data & Web Technologies for Data Analysis	
STA 141C	Big Data & High Performance Statistical Computing	
STA 142A	Statistical Learning I	
STA 142B	Statistical Learning II	
STA 144	Sampling Theory of Surveys	
STA 145	Bayesian Statistical Inference	

STA 160	Practice in Statistical Data Science
<b>Total Units</b>	<b>20</b>