

B.S. in Statistics - General Option (effective Fall 08)

Recommended as preparation for graduate studies in Statistics

Preparatory Subject Matter (30-32 units)

- MAT 21A-B-C-D Calculus
- MAT 22A or 67 Linear Algebra
- MAT 25 Advanced Calculus
- ECS 30 or 40 Intro to Programming/Software
- Any one introductory statistics course except STA 10

Depth Subject Matter (51-52 units)

- STA 106 Analysis of Variance
- STA 108 Regression Analysis
- STA 138 Analysis of Categorical Data
- STA 131A-B-C Intro to Probability and Mathematical Statistics
- MAT 125A Real Analysis
- MAT 108 Abstract Math or 125B Real Analysis
- MAT 167 Applied Linear Algebra

3 courses from:

- STA 104 Nonparametric Statistics
- STA 135 Multivariate Data Analysis
- STA 137 Applied time Series Analysis
- STA 141 Statistical Computing *or* STA 141A Fundamentals of Statistical Data Science
- STA 141B Data & Web Technologies for Data Analysis *or* STA 141C Big Data & High Performance Statistical Computing
- STA 144 Sampling Theory of Surveys
- STA 145 Bayesian Statistical Inference
- STA 160 Practice in Statistical Data Science

Related elective course:

One upper division course approved by major advisor; it should be in mathematics, computer science, or in quantitative aspects of a substantive discipline.