A.B. in Statistics - Applied Statistics Option (effective Fall 10)

Recommended for students who are interested in combining statistics study with a second major or minor program in the social sciences

Preparatory Subject Matter (19-22 units)
- MAT 16 A-B-C or MAT 17 A-B-C or MAT 21 A-B-C Calculus
- MAT 22A Linear Algebra
- ECS 30 Intro to Programming and Problem Solving or ECS 40 Intro to Software Development and Object-Oriented Programming
- STA 32 Basic Statistical Analysis through Computers

Depth Subject Matter (45-48 units)
- STA 106 Analysis of Variance
- STA 108 Regression Analysis
- STA 138 Analysis of Categorical Data
- STA 130 A-B Mathematical Statistics: Brief Courses
- STA 137 Applied Time Series Analysis or STA 141 Statistical Computing

Three courses from:
- STA 104 Nonparametric Statistics
- STA 135 Multivariate Data Analysis
- STA 137 Applied Time Series Analysis
- STA 141 Statistical Computing
- STA 142 Reliability
- STA 144 Sampling Theory of Surveys
- STA 145 Bayesian Statistical Inference

Three elective courses outside of Statistics:

*The electives must be approved by the major advisor.* They should follow a coherent sequence in a single discipline in the social sciences where statistical methods and models are applied and should cover the quantitative aspects of the discipline. Please confer with the major advisor for a list of recommended courses.