APPLIED STATISTICS MINOR

The Minor in Applied Statistics plays an important role in many disciplines such as business, biology, ecology, economics, agriculture, etc. It is increasingly necessary for students to have working knowledge in statistics and data analysis.

The minor is designed to provide students with opportunities for exposure and skill development in advanced statistical methods. These methods are useful for conducting research in applied subjects, and students who complete this minor will be appealing to employees and graduate schools seeking individuals with quantitative skills.

The minor is flexible so that students from most majors can find a path to the minor that serves their needs. This minor is only open to non-math majors.

Course Requirements for the Minor

The following courses, or their approved transfer equivalents, are required of all candidates for this minor.

Course	Title	Units
Lower-Division Courses		
Select one of the following:		3
MATH 105	Introduction to Statistics	
MATH 108	Statistics of Business and Economics	
Upper-Division Courses		
MATH 315	Applied Statistical Methods I	3
MATH 456	Applied Statistical Methods II	3
MATH 458	Sampling Methods	3
Electives [1]		
Select six units from the following:		6
ANTH 485	Formal Methods for Anthropology	
ABUS 451W	Agricultural Policy (W)	
BIOL 408	Principles of Evolution	
BSIS 610	Business Analytics	
CHEM 320	Quantitative Analysis	
CHEM 331	Physical Chemistry I	
ECON 380	Economic Statistics	
ECON 481	Introductory Econometrics	
ECON 483	Econometrics II	
ERTH 440	Environmental Sensing	
GEOG 315	Applied Statistical Methods in Geography	
GEOG 405	Conservation, Restoration, and Stewardship	
GEOG 411	Geospatial Analysis and Modeling in GIS	
GEOG 418	Remote Sensing of Environment	
GEOG 444	Biogeography and Landscape Ecology	
MATH 109	Survey of Calculus	
MATH/CSCI 217	Discrete Mathematics	
MATH 314	Probability and Statistics for Science and Technology	
MATH 350	Introduction to Probability and Statistics	
MKTG 380	Marketing Research	
PSYC 364	Statistical Methods in Psychology	
PSYC 560	Principles of Psychological Measurement	
SOCI 315	Statistical Analysis for the Social Sciences	
Total Units		**18**

[1] At least 6 units of electives must be chosen from either the Department of Mathematics and Statistics or from another department. Electives must be courses with significant mathematical/statistical content as determined by faculty of the Department of Mathematics and Statistics. Prior approval is required to count Independent Study or Internships towards the Minor.