STATISTICS - MINOR

Statistics is the science of collecting and analyzing data for the purpose of making decisions in the presence of uncertainty. Multidisciplinary application areas vary widely and include health and medicine, business, engineering, physical sciences, environmental studies, and government. The statistics minor provides training in theoretical, applied and computational statistics with a two-semester sequence in statistical methods and a broad selection of upper-level elective classes. Depending on the electives selected, a student completing this program will be prepared to conduct statistical analysis in their professional work or to continue graduate study in fields involving statistical analysis.

For additional information, see the Department of Statistics website (http://www.stat.tamu.edu).

Program Requirements

Code	Title	Semester Credit Hours
Lower Division Courses		
STAT 211	Principles of Statistics I	3
STAT 212	Principles of Statistics II	3
Directed Upper Division Electives		
Select three of the following: [1]		9
STAT 335/ CSCE 320	Principles of Data Science	
STAT 404	Statistical Computing	
STAT 406	Design and Analysis of Experiments	
STAT 407	Principles of Sample Surveys	
STAT 408	Introduction to Linear Models	
STAT 414	Mathematical Statistics I	
STAT 415	Mathematical Statistics II	
STAT 421	Machine Learning	
STAT 436	Multivariate Analysis and Statistical Learning	
STAT 438	Bayesian Statistics	
STAT 445	Applied Biostatistics and Data Analysis	
STAT 446	Statistical Bioinformatics	
STAT 459	Categorical Data Analysis	
STAT 485	Directed Studies	
STAT 489	Special Topics in…	
Total Semester Credit Hours		**15**

[1] STAT 485 or STAT 489 must be approved by the Statistics Department.

Additional Requirements:

Students must make a grade of C or better in all courses.

Substitutions for the minor must be approved by the Statistics Department.