APPLIED STATISTICS, B.S.

Requirements

Requires:

Code	Title	Hours
MTH 112	Calculus with Analytic Geometry II	4
MTH 117	Discrete Mathematics	4
MTH 121	Linear Algebra I	3
CSC 111	Introduction to Computer Science	4
STA 112	Introduction to Regression and Data Science	3
STA 310/ MTH 357	Probability	3
STA 311	Statistical Inference	3
STA 312	Linear Models	3
STA 363	Introduction to Statistical Learning	3
STA 382	Applied Statistics Capstone	1.5
Select two of the following:		6-7
CSC 112	Fundamentals of Computer Science	
CSC 201	Data Structures and Algorithms	
MTH 253	Operations Research	
MTH 254	Optimization Theory	
MTH 326	Numerical Linear Algebra	
MTH 355	Introduction to Numerical Methods	
Select 2 additional electives in STA at the 200 or 300 level, one of which must be numbered above 300. *		6

* *Excluding STA 383, STA 391, and STA 392.*

** Students are encouraged to participate in STA 175 for applied experience. This course is offered every Spring as a 1 credit Pass/Fail course, and may be repeated.

Honors

To graduate with a designation of "Honors in Applied Statistics", students in the B.S. in Applied Statistics major must:

- Satisfactorily complete a year-long senior research project, completed as in the sequential courses STA 391 and STA 392.
- Have a minimum GPA of 3.5 in the major and a 3.0 overall GPA to graduate with Honors.
- Students must apply to participate in an Honors project. For application details, please see the department website.