

**College of Science
Proposed Catalog Changes
Effective Summer 2020**

Statistical Science

1. Make the following changes to the **Statistics Academic Graduate Certificate**:

Statistics Academic Graduate Certificate

STAT 431 or similar course preparation must be completed prior to pursuing this academic certificate. At least half of the credits used for this certificate must be at the 500-level.

STAT 422	Sample Survey Methods	3
or STAT 507	Experimental Design	
Select courses from the following:		9
One of STAT 419, STAT 426, or STAT 427	Introduction to SAS/R Programming, SAS Programming, or R Programming	
STAT 422	Sample Survey Methods	
STAT 451	Probability Theory	
STAT 452	Mathematical Statistics	
STAT 507	Experimental Design	
STAT 514	Nonparametric Statistics	
STAT 516	Applied Regression Modeling	
STAT 517	Statistical Learning and Predictive Modeling	
STAT 519	Multivariate Analysis	
STAT 535	Introduction to Bayesian Statistics	
STAT 555	Statistical Ecology	
STAT 565	Computer Intensive Statistics	
Other advisor approved electives		
Total Hours		12

Courses to total 12 credits for this certificate