

# APPLIED STATISTICS MINOR

Data-driven research is growing at an explosive rate. Modern scientists are expected to have familiarity with much more complex methods of statistical analysis than was the case not too long ago. This Minor in Applied Statistics is designed to give students the skills they need to compete in this data-driven world and to gain experience and competency with the analysis of data in their major field of study. Students in this program will learn modern statistical methods beyond those covered in the curriculum for their majors. They will gain familiarity with statistical software and experience in analyzing real world data sets related to their major field of study. Students who complete the minor will, through their numeracy and comfort with data, have an advantage over other applicants when applying to graduate programs or industry jobs.

Code	Title	Credit Hours
<b>Minor Requirements</b>		
Choose one of the following Introduction to Statistics:		3
MTH 110	Introduction to Statistics I (no Computer Lab)	
MTH 111	Introduction to Statistics I (with Computer Lab)	
STA 201	Statistics I	
Choose one of the following Introduction to Statistics 2:		3
MTH 112	Introduction to Statistics II	
STA 202	Statistics II	
Choose one of the following courses (which may be double counted towards a student's major): <sup>1</sup>		3-4
PSY 201	Intro to Research Methods	
ECO 325	Econometrics	
SOC 201	Research Methods	
ANL 301	Business Analytics	
BIO 230	General Ecology	
BIO 427	Bioinformatics	
MTH 313	Applied Statistics	
MIS 340	Data Science	
NSG 350	Research in Nursing	
CHM 311	Analytical Chemistry	
<sup>1</sup> Note: Students may substitute the sequence PHY231+PHY331+PHY431 for the above requirement.		
Complete both of the following statistics electives:		
MTH 211	Advanced Statistical Methods	3
MTH 212	Statistical Consulting	3
<b>Total Credit Hours</b>		<b>15-16</b>