

STATISTICS (STAT) MINOR

A total of 21 credit hours are required for the minor.

If CMDA 2005 Integrated Quantitative Sciences-CMDA 2006 Integrated Quantitative Sciences is chosen, the total hours to complete the minor will increase to 27.

Code	Title	Credits
Required Minor Courses		
<i>I. Statistics Sequence</i>		
Complete one statistics sequence by selecting one course from both Ia and Ib:		6
a. First Course:		
STAT 3005	Statistical Methods	
STAT 3615	Biological Statistics ¹	
STAT 4705	Probability and Statistics for Engineers	
CMDA 2005	Integrated Quantitative Sciences ²	
b. Second Course:		
STAT 3006	Statistical Methods	
STAT 3616	Biological Statistics	
STAT 4706	Probability and Statistics for Engineers	
CMDA 2006	Integrated Quantitative Sciences ²	
Subtotal		6
<i>II.</i>		
Select one of the following:		3
STAT 4204	Experimental Designs ³	
STAT 4214	Methods of Regression Analysis ³	
Subtotal		3
<i>III.</i>		
Select at least four of the following:		12
STAT 3504	Nonparametric Statistics	
STAT/CMDA/CS 3654	Introductory Data Analytics and Visualization	
STAT 4004	Methods of Statistical Computing	
STAT 4204	Experimental Designs	
STAT 4214	Methods of Regression Analysis	
STAT 4364	Introduction to Statistical Genomics	
STAT 4444	Applied Bayesian Statistics	
STAT 4504	Applied Multivariate Analysis	
STAT 4514	Introduction to Categorical Data Analysis	
STAT 4524	Sample Survey Methods	
STAT 4534	Applied Statistical Time Series Analysis	
STAT/CMDA/CS 4654	Intermediate Data Analytics and Machine Learning	
STAT 4664	Computational Intensive Stochastic Modeling	
STAT 4804	Elementary Econometrics ⁴	
ISE 4404	Statistical Quality Control	
MATH 4454	Applied Mathematical Modeling	
Subtotal		12
Total Credits		21

- ¹ If a student completed STAT 3604 Statistics for Social Science prior to becoming a minor, it may replace STAT 3615 Biological Statistics. Also, note prerequisite courses for Section III.
- ² If CMDA 2005 Integrated Quantitative Sciences-CMDA 2006 Integrated Quantitative Sciences is chosen, the total hours to complete the minor will increase to 27.
- ³ If STAT 4204 Experimental Designs or STAT 4214 Methods of Regression Analysis is taken to complete section II, it cannot also satisfy section III.
- ⁴ For students completing a major or minor in Economics, ECON 4304 Introduction to Econometric Methods, can be substituted for STAT 4804 Elementary Econometrics.

Prerequisites and Course Duplications

Some courses listed on this checksheet may have prerequisites; please consult the Undergraduate Course Catalog or check with your advisor for more information. Students are also required to check the duplicate course list.

Satisfactory Progress

A minor GPA of 2.0 or higher must be attained in the courses counting toward the minor.