College of SCIENCE
Department of STATISTICS
Minor in STATISTICS
For students graduating in calendar year 2022
and for student date of entry under UG catalog 2020-2021
A dagger (†) indicates a course with prerequisites or co-requisites.

A total of 21 credit hours are required for the minor.
If CMDA 2005-2006 is chosen, the total hours to complete the minor will increase to 27.

I.   Complete ONE statistics sequence by selecting one course from both Ia and Ib (6 credits)

Ia.   First Course in sequence:

† STAT 3005 Statistical Methods	3	
† STAT 3615[1] Biological Statistics	3	
† STAT 4705 Probability and Statistics for Engineers	3	
† CMDA 2005* Integrated Quantitative Science	6	

Ib.   Second Course in sequence:

† STAT 3006 Statistical Methods	3	
† STAT 3616 Biological Statistics	3	
† STAT 4706 Probability and Statistics for Engineers	3	
† CMDA 2006* Integrated Quantitative Science	6	

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

II.   Complete ONE course (3 credits)

† STAT 4204* Experimental Designs	3	
† STAT 4214* Methods of Regression Analysis	3	

* If 4204 or 4214 is taken to complete section II, it cannot also satisfy section III.

III.   Complete at least FOUR courses (12 credits minimum)

† STAT 3504 Nonparametric Statistics	3	
† STAT/CMDA/CS 3654 Introductory Data Analytics and Visualization	3	
† STAT 4004 Methods Statistical Computing	3	
† STAT 4204 Experimental Designs	3	
† STAT 4214 Methods of Regression Analysis	3	
† STAT 4364 Introduction to Statistical Genomics	3	
† STAT 4444 Applied Bayesian Analysis	3	
† STAT 4504 Applied Multivariate Analysis	3	

† STAT 4514 Contingency Table Analysis	3	
† STAT 4524 Sample Survey Methods	3	
† STAT 4534 Applied Time Series	3	
† STAT/CMDA/CS 4654 Intermediate Data Analytics and Machine Learning	3	
† STAT 4664 Computational Intensive Stochastic Modeling	3	
† STAT/AAEC 4804[2] Elementary Econometrics	3	
† ISE 4404 Statistical Quality Control	3	
† MATH/STAT 4454 Applied Mathematical Modeling	3	

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.

Course Substitutions and Comments

[1] If a student completed STAT 3604 prior to becoming a minor, it may replace STAT 3615. Also, note prerequisite courses for Section III.

[2] For students completing a major or minor in Economics, ECON 4304, Introduction to Econometric Methods, can be substituted for STAT 4804.

Satisfactory Progress

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