College of SCIENCE
Department of STATISTICS
Minor in STATISTICS

For student date of entry under UG catalog 2021-2022
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.