College of SCIENCE  
Department of STATISTICS  
Minor in STATISTICS  

For student date of entry under UG catalog 2023-2024  
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† 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)

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| † 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)

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| † 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  

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
† 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.