A total of 21 credit hours are required, structured as follows:

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 (Pre: MATH 1225) (Co: MATH 1226). (3)( )
        STAT 3615 1 Biological Statistics (3)( )
        STAT 4705  Probability and Statistics for Engineers (Pre: Math 2204 or MATH 2224 or MATH 2204H or MATH 2406H) (3)( )
        *CMDA 2005 Integrated Quantitative Science (Pre: CS 1114 and MATH 1226) (6)( )
   Ib. Second Course in sequence:
        STAT 3006  Statistical Methods (Pre: STAT 3005) (3)( )
        STAT 3616  Biological Statistics (Pre: STAT 3615) (3)( )
        STAT 4706  Probability and Statistics for Engineers (Pre: STAT 4705) (3)( )
   *If CMDA 2005-2006 is chosen, the total hours to complete the minor will increase to 27.

II. Complete one course from the following (3 credits):
    STAT 4204  Experimental Designs (Pre: STAT 3006 or 3616 or 4106 or 4706) (3)( )
    STAT 4214  Methods of Regression Analysis (Pre: STAT 3006 or 3616 or 4106 or 4706) (3)( )
    Note: If 4204 or 4214 is taken to complete section II, it cannot also satisfy section III.

III. Complete at least four courses from the following (12 credits minimum):
    STAT 3504  Nonparametric Statistics (Pre: STAT 3006 or 3616 or 4106 or 4604 or 4706) (3)( )
    STAT/CMDA/CS 3654 Introductory Data Analytics and Visualization (Pre: CMDA 2006 or equivalent) (3)( )
    STAT 4004  Methods of Statistical Computing (Pre: STAT 4105, 4214) (3)( )
    STAT 4204  Experimental Designs (Pre: STAT 3006 or 3616 or 4106 or 4706 or CMDA 2006) (3)( )
    STAT 4214  Methods of Regression Analysis (Pre: STAT 3006 or 3616 or 4106 or 4706 or 5606 or 5616 or CMDA 2006) (3)( )
    STAT 4364  Introduction to Statistical Genomics (Pre: (MATH 2204, (STAT 3104 or STAT 4105 or STAT 4705), (STAT 3006 or STAT 3616 or STAT 4706)) or CMDA 2006) (3)( )
    STAT 4444  Applied Bayesian Statistics (Pre: (MATH 2204, (STAT 3104 or STAT 4105 or STAT 4705), (STAT 3006 or STAT 3616 or STAT 4706)) or CMDA 2006) (3)( )
    STAT 4504  Applied Multivariate Statistics (Pre: STAT 3006 or 4706 or 5606 or 5616 or CMDA 2006) (3)( )
    STAT 4514  Contingency Table Analysis (Pre: STAT 3006 or 3616 or 4106 or 4706) (3)( )
STAT 4524  Sample Survey Methods (Pre: STAT 3006 or 3616 or 4106 or 4706) (3)
STAT 4534  Applied Time Series Analysis (Pre: STAT 3006 or 4104 or 4706 or 4714 or 3616 or BIT 2406 or CMDA 2006) (3)
STAT/CMDA/CS 4654 Intermediate Data Analytics and Machine Learning (Pre: STAT/CMDA/CS 3654) (3)
STAT/CMDA 4664 Computational Intensive Stochastic Modeling (Pre: CMDA 2006 or equivalent) (3)
STAT/AAEC 4804 Elementary Econometrics (Pre: (STAT 3005 or 3604), AAEC 1006) (3)
ISE 4404  Statistical Quality Control (Pre: ISE 3414, STAT 4105, STAT 4706) (3)
MATH 4454 Applied Mathematical Modeling (3)

Footnotes:
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.

Other notes:
- A minor GPA of 2.0 or higher must be attained in the courses counting toward the minor.
- IMPORTANT: Students are responsible for reading the course catalogue descriptions regarding the duplicate course list and prerequisites.