### 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 credits
- † STAT 3615 Biological Statistics: 3 credits
- † STAT 4705 Probability and Statistics for Engineers: 3 credits
- † CMDA 2005* Integrated Quantitative Science: 6 credits

**Ib. Second Course in sequence:**
- † STAT 3006 Statistical Methods: 3 credits
- † STAT 3616 Biological Statistics: 3 credits
- † STAT 4706 Probability and Statistics for Engineers: 3 credits
- † CMDA 2006* Integrated Quantitative Science: 6 credits

* 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 credits
- † STAT 4214* Methods of Regression Analysis: 3 credits

* 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 credits
- † STAT/ CMDA/CS 3654 Introductory Data Analytics and Visualization: 3 credits
- † STAT 4004 Methods Statistical Computing: 3 credits
- † STAT 4204 Experimental Designs: 3 credits
- † STAT 4214 Methods of Regression Analysis: 3 credits
- † STAT 4364 Introduction to Statistical Genomics: 3 credits
- † STAT 4444 Applied Bayesian Analysis: 3 credits
- † STAT 4504 Applied Multivariate Analysis: 3 credits
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>STAT 4514</td>
<td>Contingency Table Analysis</td>
</tr>
<tr>
<td>STAT 4524</td>
<td>Sample Survey Methods</td>
</tr>
<tr>
<td>STAT 4534</td>
<td>Applied Time Series</td>
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<tr>
<td>STAT/CMDA/CS 4654</td>
<td>Intermediate Data Analytics and Machine Learning</td>
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<tr>
<td>STAT 4664</td>
<td>Computational Intensive Stochastic Modeling</td>
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<td>STAT/AAEC 4804</td>
<td>Elementary Econometrics</td>
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<td>ISE 4404</td>
<td>Statistical Quality Control</td>
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<tr>
<td>MATH/STAT 4454</td>
<td>Applied Mathematical Modeling</td>
</tr>
</tbody>
</table>

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.
‡ 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.