### GRADUATION REQUIREMENTS

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Total REQUIRED Credits</td>
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<td><em>Note</em>: Students with previous R programming experience may waive STAT 158 with permission from a statistics advisor.</td>
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<td>A MINIMUM grade of C must be obtained in ALL courses.</td>
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**ELECTIVE COURSES**

This is not meant to be an all-inclusive listing of elective courses. The electives shown below represent a portion of those courses at the 300-400 level that are offered by other departments and that are acceptable in meeting the minor in Statistics. Contact the Statistics Department advisor to inquire about pre-approving other courses.

**APPROVED OUTSIDE ELECTIVES:**

Select up to 6 credits from the following:

- BIOM 422 Quantitative Systems and Synthetic Biology [3]
- BIOM 431/ECE 431 Biomedical Signal and Image Processing [3]
- BZ 350 Molecular and General Genetics [4]
- BZ 360 Bioinformatics [4]
- CIS 370 Business Analytics [3]
- CS 320 Algorithms--Theory and Practice [3]
- DSCI 235 Data Wrangling [2]
- DSCI 320 Optimization Methods in Data Science [3]
- DSCI 369 Linear Algebra for Data Science [4]
- DSCI 473 Introduction to Geometric Data Analysis [2]
- DSCI 475 Topological Data Analysis [2]
- ECE 311/STAT 301 Introduction to Communications Principles [3]
- ECE 311 Linear System Analysis I [3]
- ECE 312 Linear System Analysis II [3]
- ECON 335/AREC 335 Introduction to Econometrics [3]
- ECON 435 Intermediate Econometrics [3]
- ECON 436 Economic Forecasting [3]
- ERHS 332 Principles of Epidemiology [3]
- ERHS 430 Human Disease and the Environment [3]
- ESS 330 Quantitative Reasoning for Ecosystem Science [3]
- F 321 Forest and Natural Resource Biometry [3]
- F 422 Quantitative Methods in Forest Management [3]
- FW 370 Design of Fish and Wildlife Projects [3]
- FW 401 Fishery Science [3]
- FW 475 Conservation Decision Making [3]
- MATH 229 Matrices and Linear Equations [2]
- MATH 331 Introduction to Mathematical Modeling [3]
- MATH 340 Intro to Ordinary Differential Equations [4]
- MATH 345 Differential Equations [4]
- MATH 369 Linear Algebra I [3]
- MATH 450 Introduction to Numerical Analysis I [3]
- MECH 231 Engineering Experimentation [3]
- MECH 417 Control Systems [3]
- MGT 475 International Business Management [3]
- MKT 450 Marketing Analytics [3]
- NR 422 GIS Applications in Natural Resource Management [4]
- PSY 317 Social Psychology Laboratory [2]
- PSY 350 Research Design and Analysis II [3]
- PSY 370 Psychological Measurement and Testing [3]
- PSY 371 Psychological Measurement and Testing Lab [1]
- SOC 314 Applications of Quantitative Research [3]

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