## Wildlife and Biodiversity Conservation Concentration

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 313</td>
<td>Taxonomy of Vascular Plants</td>
<td>4</td>
</tr>
<tr>
<td>BOT 433</td>
<td>Field Botany</td>
<td>4</td>
</tr>
<tr>
<td>BIO 401</td>
<td>Principles of Conservation Biology</td>
<td>4</td>
</tr>
<tr>
<td>LA/NR 218</td>
<td>Applications in GIS</td>
<td>3</td>
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### Wildlife Zoology Electives

Select from the following: 12

- ZOO 321: Mammalogy
- ZOO 322: Ichthyology
- ZOO 323: Ornithology
- ZOO 335: General Entomology
- ZOO 336: Invertebrate Zoology
- ZOO 341: Herpetology

### Wildlife Ecology Electives

Select from the following: 8

- BIO 427: Wildlife Management
- BIO 444: Population Ecology
- BIO 445: Community Ecology

### Approved Electives 2,3

Select from the following: 8

- ASCI 329: Principles of Range Management
- BIO 327: Wildlife Ecology
- BIO 330: Extended Field Biology Activity
- BIO 400: Special Problems for Advanced Undergraduates
- BIO 415: Biogeography
- BIO 419: Analytical Methods in Ecology
- BIO 427: Wildlife Management
- BIO 434: Environmental Physiology
- BIO 442: Behavioral Ecology
- BIO 446: Ecosystem Ecology
- BIO 461: Senior Project - Research Proposal
- BIO 462: Senior Project - Research
- BIO 463: Honors Research
- BOT 326: Plant Ecology
- ENGR 322/SCM 302: The Learn By Doing Lab Teaching Practicum
- MSC 328: Marine Ecology
- MSC 437: Marine Botany
- MSC 439: Fisheries Science and Resource Management
- NR 141: Introduction to Forest Ecosystem Management
- NR 142: Environmental Management
- NR 404: Environmental Law
- NR 416: Environmental Impact Analysis and Management
- NR 418: Applied GIS
- NR 425: Applied Resource Analysis and Assessment

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<tr>
<td>STAT 313</td>
<td>Applied Experimental Design and Regression Models</td>
</tr>
<tr>
<td>STAT 324</td>
<td>Applied Regression Analysis</td>
</tr>
<tr>
<td>STAT 330</td>
<td>Statistical Computing with SAS</td>
</tr>
<tr>
<td>STAT 416</td>
<td>Statistical Analysis of Time Series</td>
</tr>
<tr>
<td>STAT 419</td>
<td>Applied Multivariate Statistics</td>
</tr>
<tr>
<td>STAT 421</td>
<td>Survey Sampling and Methodology</td>
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<tr>
<td>ZOO 329</td>
<td>Vertebrate Field Zoology</td>
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<tr>
<td>ZOO 335</td>
<td>General Entomology</td>
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<tr>
<td>ZOO 425</td>
<td>Parasitology</td>
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</table>

**Total units: 43**

1. Students seeking certification as an Associate Wildlife Biologist via the Wildlife Society should see their faculty advisor for assistance.
2. Consultation with a faculty advisor is recommended prior to selecting approved electives; selections may impact pursuit of post-baccalaureate studies and/or goals.
3. If any of these courses is taken to meet a major or support requirement in the degree, it cannot be double-counted as an approved elective.