# Wildlife and Biodiversity Conservation Concentration

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 401</td>
<td>Principles of Conservation Biology</td>
<td>4</td>
</tr>
<tr>
<td>BOT 313</td>
<td>Taxonomy of Vascular Plants</td>
<td>4</td>
</tr>
<tr>
<td>BOT 433</td>
<td>Field Botany: California Plant Diversity</td>
<td>5</td>
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<tr>
<td>LA/NR 218</td>
<td>Applications in GIS</td>
<td>3</td>
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<tr>
<td>or GEOG 318</td>
<td>Applications in GIS</td>
<td>3</td>
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**Zoology Courses**

Select from the following: 1

- BIO 321 Mammalogy
- BIO 322 Ichthyology
- BIO 323 Ornithology
- BIO 324 Herpetology
- BIO 335 General Entomology
- BIO 336 Invertebrate Zoology

**Ecology Courses**

Select from the following: 8

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

**Electives** 2-3

Select any Zoology or Ecology (above) or select from the following: 7

- ASCI 329 Principles of Range Management
- BIO 327 Wildlife Ecology
- BIO 329 Vertebrate Field Zoology
- BIO 330 Extended Field Biology Activity
- BIO 400 Special Problems for Advanced Undergraduates 5
- BIO 415 Biogeography
- BIO 419 Analytical Methods in Ecology
- BIO 429 Parasitology
- BIO 434 Environmental Physiology
- BIO 442 Behavioral Ecology
- BIO 446 Ecosystem Ecology
- BIO 461 Senior Project - Research Proposal 4, 5
- BIO 462 Senior Project - Research 4, 5
- BIO 463 Honors Research 5
- BOT 326 Plant Ecology
- ENGR 322/SCM 302 The Learn By Doing Lab Teaching Practicum 5
- GEOG 440 Advanced-Applications in GIS
- MSCI 328 Marine Ecology
- MSCI 437 Marine Botany
- MSCI 439 Fisheries Science and Resource Management

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.
4. If BIO 461 or BIO 462 is used to meet the Senior Project Requirement, it cannot also be counted as an Approved Elective.
5. Maximum of 6 units may be applied toward Approved Electives from "by arrangement" courses: BIO 400, BIO 461, BIO 462, BIO 463, ENGR 322/SCM 302.