Wildlife & Fisheries

Major

See related programs:
- BIOLOGY
  - PRE-HEALTH OPTION
  - MOLECULAR BIOLOGY
  - ENVIRONMENTAL SCIENCE
- ENVIRONMENTAL ANALYSIS & PLANNING
- ETHNOBOTANY
- FORESTRY
- INTERPRETIVE BIOLOGY & NATURAL HISTORY

Contact:
Sunshine Brosi, Associate Professor, Department of Biology

Professors:
Ammer, Fritz, Raesly, Seddon, Serfass (Chair)

Associate Professors:
Brosi, Keller, Li, Pegg, Puthoff

Assistant Professors:
Lambert, Studinski, Taylor, Vrentas

• Students completing the professional programs as listed meet all educational requirements for their certification by The Wildlife Society or American Fisheries Society (depending upon the option chosen).
• Students can choose to add a fisheries option to either wildlife option.
• Students will meet educational requirements for scientific research positions in Wildlife Biology or Fisheries Biology for federal and state agencies.
• Students intending to further their education in graduate school are also encouraged to take one semester of organic chemistry.
• Minors are available in biology, forestry, ethnobotany, geography, and sustainability studies.

Summary of Requirements for Major in Wildlife & Fisheries

<table>
<thead>
<tr>
<th>Major</th>
<th>WILDLIFE PROFESSIONAL</th>
<th>WILDLIFE GENERAL</th>
<th>WILDLIFE PROFESSIONAL FISHERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours Required in Biology:</td>
<td>49-52</td>
<td>49-54</td>
<td>33</td>
</tr>
<tr>
<td>Hours Required in Other Departments:</td>
<td>30-32</td>
<td>20-23</td>
<td>29</td>
</tr>
<tr>
<td>Total Hours Required:</td>
<td>79-81</td>
<td>72-74</td>
<td>58</td>
</tr>
</tbody>
</table>

1. Core Curriculum: (40 hours)
- BIOL 149 General Biology I (GEP Group C)
- BIOL 160 General Zoology
- BIOL 161 General Botany
- BIOL 200 Scientific Investigation and Communication
- BIOL 340 General Ecology
- BIOL 350 Genetics
- BIOL 492 Wildlife-Fisheries Seminar (Capstone)
- CHEM 201 General Chemistry I (GEP Group C)
- CMST 102/112 Introduction to Human Communication
- ENGL 339 Scientific Writing (Core Skill 2)
  or ENGL 338 Technical Writing (Core Skill 2)
- GEOG 103/113 Physical Geography (GEP Group C)
- MATH 109/110 Elements of Applied Probability and Statistics (Core Skill 3)

2. Wildlife Core Requirements: (23-24 hours)
- Wildlife Management:
  - BIOL 450 Ecology and Management of Wildlife Populations
- Wildlife Techniques:
  - BIOL 230 Wildlife Techniques
- Wildlife Biology, take two of the following:
  - BIOL 406 Ornithology
  - BIOL 422 Herpetology
  - BIOL 423 Mammalogy
- Anatomy and Physiology, take one of the following:
  - BIOL 302 Animal Physiology
  - BIOL 427 Comparative Anatomy
- Botany, take one of the following:
  - BIOL 305 Dendrology
  - BIOL 314 Plant Taxonomy

3. Requirements for Professional Wildlife Track:
1. Core Curriculum: (36 hours – listed above)
2. Wildlife Core Requirements: (23-24 hours – listed above)
3. Professional Certification Core Requirements (16-17 hours)

4. Requirements for General Wildlife Track
1. Core Curriculum: (36 hours – listed above)
2. Wildlife Core Requirements: (23-24 hours – listed above)
3. General Wildlife Track Requirements (9-11 hours)
- MATH 119 College Algebra (Core Skill 3)
  or MATH 120 Pre-Calculus (Core Skill 3)
  or any math course above 219

4. Requirements for Professional Fisheries Track
1. Core Curriculum: (36 hours – listed above)
2. Professional Fisheries Track Requirements: (22 hours)

5. Requirements for Professional Fisheries Track
1. Core Curriculum: (36 hours – listed above)
2. Professional Fisheries Track Requirements: (22 hours)

| CHEM 202 General Chemistry II |
| BIOL 417 Ichthyology |
| BIOL 420 Fish Management and Culture |
| BIOL 430 Limnology |
| CHEM 420 Environmental Chemical Analysis |
| GEOG 430 Surface Water Hydrology |