Interpretive Biology and Natural History

MAJOR

SEE RELATED PROGRAMS:
- BIOLOGY
- ETHNOBOTANY
- FORESTRY
- WILDLIFE & FISHERIES

Contact: Thomas Lambert, Associate Professor, Department of Biology
Professors: Li, Raesly, Seddon, Serfass
Associate Professors: Brosi, Keller, Lambert, Puthoff (chair), Taylor
Assistant Professors: Hocking, Hughes, Sheehan

- Students majoring in Interpretative Biology and Natural History will learn the skills to teach the general public about the great outdoors. A variety of biological disciplines will be explored including zoology and botany.
- Students are required to participate in a capstone internship working with a federal, state or private agency or industry related to individual interest.
- Students interested in professional and graduate degrees may need to take additional courses.
- Minors are available in biology, forestry, ethnobotany, geography, and sustainability studies.

Program Requirements

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<tr>
<td>Hours Required in Biology:</td>
<td>41-43</td>
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<td>Hours Required in Other Departments:</td>
<td>22</td>
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<td>Total Hours Required:</td>
<td>63-65</td>
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Requirements for Major in Interpretive Biology and Natural History

1. Introductory Level Courses: (29 hours)
   - BIOL 149 General Biology I (GEP Group C)
   - BIOL 160 General Zoology
   - BIOL161 General Botany
   - CHEM 201 General Chemistry (GEP Group C)
     or CHEM 150 General, Organic and Biochemistry (GEP Group C)
   - CMST 102/112 Introduction to Communication
   - GEOG 103/113 Physical Geography
   - MATH 119 College Algebra
     or MATH 120 Pre-Calculus Mathematics (Core Skill 3)
   - MATH 109/110 Elements of Applied Probability and Statistics (Core Skill 3)

2. Advanced Level Courses (24 hours)
   - BIOL 334 General Animal Behavior
   - BIOL 340 General Ecology
   - BIOL 426 Vertebrate Zoology
   - BIOL 492 Wildlife, Fisheries and Interpretive Biology and Natural History Seminar
     (Capstone)
   - BIOL 494 Field Experiences in the Biological Sciences
     (Minimum 3 credits)
   - ENGL 339 Scientific Writing
     or ENGL 338 Technical Writing (Core Skill 2)
   - RECR 394 Environmental Interpretation

3. Electives: (19-21 hours)
   Take one of the following:
   - BIOL 406 Ornithology
   - BIOL 427 Ichthyology
   - BIOL 422 Herpetology
   - BIOL 423 Mammalogy
   Take one of the following:
   - BIOL 309 General Entomology
   - BIOL 411 Invertebrate Zoology
   Take one of the following:
   - BIOL 405 Dendrology
   - BIOL 409 Plant Taxonomy
   Take one additional course from above electives or one of the following:
   - BIOL 200 Scientific Investigation and Communication
   - BIOL 230 Wildlife Techniques
   - BIOL 313 Plant Evolution and Diversity
   - BIOL 402 Evolution
   - BIOL 420 Fish Management and Culture
   - BIOL 425 Forest Ecology and Conservation
   - BIOL 450 Ecology and Management of Wildlife Populations

CHEM 201 General Chemistry (GEP Group C)
or CHEM 150 General, Organic and Biochemistry (GEP Group C)
CMST 102/112 Introduction to Communication
GEOG 103/113 Physical Geography
MATH 119 College Algebra
or MATH 120 Pre-Calculus Mathematics (Core Skill 3)
MATH 109/110 Elements of Applied Probability and Statistics (Core Skill 3)