ZOLOGY MAJOR (B.S.)

https://colsa.unh.edu/dbs/zoology/zoology-bs

Description

The Bachelor of Science (B.S.) in Zoology builds from the common background of the biology core curriculum to provide ample time for third- and fourth-year students to concentrate in specialized disciplines such as marine and freshwater biology, behavior, cell and developmental biology, ecology, evolution, fisheries, physiology, and neurobiology while giving students the foundation from which they can specialize in the area of zoology. Undergraduate students are encouraged to conduct field or lab-based research which helps determine advanced education disciplines for graduate studies. Many students ultimately work in the agricultural, pharmaceutical, and biotechnology industries, government, environmental agencies or education where they conduct advanced research and/or teaching.

New England Regional Student Program

The bachelor's degree in zoology is one of the specialized curricula recognized by the New England Board of Higher Education and participates in the New England Regional Student Program. Under this program, students from the state of Massachusetts pay the UNH in-state tuition rate plus 75 percent.

Requirements

Major Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 411</td>
<td>Introductory Biology: Molecular and Cellular</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 412</td>
<td>Introductory Biology: Evolution, Biodiversity and Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 528</td>
<td>Applied Biostatistics I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 541</td>
<td>General Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BMCB 658 &amp; BMCB 659</td>
<td>General Biochemistry and General Biochemistry Lab</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 403</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 404</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 545 &amp; CHEM 546</td>
<td>Organic Chemistry and Organic Chemistry Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>GEN 604</td>
<td>Principles of Genetics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 424B</td>
<td>Calculus for Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 401</td>
<td>Introduction to Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 402</td>
<td>Introduction to Physics II</td>
<td>4</td>
</tr>
<tr>
<td>ZOOL 400</td>
<td>Professional Perspectives in Zoology</td>
<td>1</td>
</tr>
<tr>
<td>ZOOL 518</td>
<td>Vertebrate Morphology</td>
<td>5</td>
</tr>
<tr>
<td>or ZOOL 628</td>
<td>Marine Invertebrate Evolution and Ecology</td>
<td></td>
</tr>
<tr>
<td>ZOOL 625 &amp; ZOOL 626</td>
<td>Principles of Animal Physiology and Animal Physiology Laboratory</td>
<td>5</td>
</tr>
</tbody>
</table>

Zoology Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOOL 529</td>
<td>Developmental Biology</td>
</tr>
<tr>
<td>ZOOL 613</td>
<td>Animal Behavior</td>
</tr>
</tbody>
</table>

Animal Survey Courses (Choose 1) 4-5

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEFB 527</td>
<td>Aquatic Animal Diversity</td>
</tr>
<tr>
<td>ZOOL 542</td>
<td>Ornithology</td>
</tr>
<tr>
<td>ZOOL 628</td>
<td>Marine Invertebrate Evolution and Ecology</td>
</tr>
<tr>
<td>ZOOL 710</td>
<td>Ichthyology</td>
</tr>
<tr>
<td>ZOOL 745</td>
<td>Biology and Diversity of Insects</td>
</tr>
<tr>
<td>NR 712</td>
<td>Mammalogy</td>
</tr>
</tbody>
</table>

Biological Science Electives

Select two courses ¹

Capstone ²

¹ Biological Sciences Electives (Biology, Zoology, BMS, BMCB, Genetics, and Natural Resources) can be used to satisfy elective requirements.
² Students must complete a Capstone during their senior year. Students should consult with their advisor to determine coursework that may satisfy this requirement.