

# ZOOLOGY 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

Code	Title	Credits
BIOL 411	Introductory Biology: Molecular and Cellular	4
BIOL 412	Introductory Biology: Evolution, Biodiversity and Ecology	4
BIOL 528	Applied Biostatistics I	4
BIOL 541	General Ecology	4
BMCB 658 & BMCB 659	General Biochemistry and General Biochemistry Lab	5
CHEM 403	General Chemistry I	4
CHEM 404	General Chemistry II	4
CHEM 545 & CHEM 546	Organic Chemistry and Organic Chemistry Laboratory	5
GEN 604	Principles of Genetics	4
MATH 424B	Calculus for Life Sciences	4
PHYS 401	Introduction to Physics I	4
PHYS 402	Introduction to Physics II	4
ZOOL 400	Professional Perspectives in Zoology	1
ZOOL 518	Vertebrate Morphology	5
or ZOOL 628	Marine Invertebrate Evolution and Ecology	
ZOOL 625 & ZOOL 626	Principles of Animal Physiology and Animal Physiology Laboratory	5
<b>Zoology Electives</b>		
Zoology Elective Courses (Choose 2)		8-9
ZOOL 529	Developmental Biology	
ZOOL 613	Animal Behavior	

ZOOL 690	Evolution	
Animal Survey Courses (Choose 1)		4-5
MEFB 527	Aquatic Animal Diversity	
ZOOL 542	Ornithology	
ZOOL 628	Marine Invertebrate Evolution and Ecology	
ZOOL 710	Ichthyology	
ZOOL 745	Biology and Diversity of Insects	
NR 712	Mammalogy	

### Biological Science Electives

Select two courses <sup>1</sup>

### Capstone <sup>2</sup>

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