

MINOR IN ZOOLOGY



The minor in Zoology is a useful complement to a major in animal science, fishery biology, geology, natural resource recreation and tourism, or wildlife biology.

Learning Objectives

Students successfully completing the Zoology minor will:

1. Demonstrate a fundamental understanding of multiple aspects of biological concepts, processes, and phenomena relevant to animals;
2. Broaden their knowledge-base in biology and zoology, such that they will be able to integrate their knowledge of animal biology with their broader or complementary interests, e.g., their major field of study.

Department of Biology Undergraduate Programs (<https://www.biology.colostate.edu/undergraduate-students/>)

Requirements Effective Fall 2025

Students must satisfactorily complete the total credits required for the minor. Minors and interdisciplinary minors require 12 or more upper-division (300- to 400-level) credits.

Additional coursework may be required due to prerequisites.

Code	Title	Credits
Lower Division		
Select one group from the following:		4-8
Group A:		
BZ 110	Principles of Animal Biology (GT-SC2)	
BZ 111	Animal Biology Laboratory (GT-SC1)	
Group B:		
LIFE 102	Attributes of Living Systems (GT-SC1)	
LIFE 103	Biology of Organisms-Animals and Plants (GT-SC1)	
BZ 212	Animal Biology-Invertebrates	4
BZ 214	Animal Biology-Vertebrates	4
Upper Division		

Select a minimum of 12 Upper-Division credits in BZ courses from the list below. 12

Program Total Credits: 24-28

Upper Division Course List

Code	Title	Credits
BZ 300	Animal Behavior	3
BZ 310	Cell Biology	4
BZ 311	Developmental Biology	4
BZ 320	Biogeographic Approaches to Conservation	3
BZ 329	Herpetology	4
BZ 330	Mammalogy	4
BZ 333	Introductory Mycology	4
BZ 335	Ornithology	4
BZ 339	Biology Field Practicum	3
BZ 340	Field Mammalogy	4
BZ 342	Exploring Range Shifts in a Changing World	3
BZ 348/MATH 348	Theory of Population and Evolutionary Ecology	4
BZ 349	Tropical Ecology and Evolution	3
BZ 350	Molecular and General Genetics	4
BZ 360	Bioinformatics and Genomics	4
BZ 390	Biology of Sex	3
BZ 401	Comparative Animal Physiology	3
BZ 414	Vertebrate Climate Change Responses	3
BZ 415	Marine Biology	4
BZ 418	Ecology of Infectious Diseases	4
BZ 420	Evolutionary Medicine	3
BZ 424/BSPM 424	Principles of Systematic Science	3
BZ 425	Conservation and Population Genomics	3
BZ 430	Animal Behavior and Conservation	3
BZ 433	Behavioral Genetics	3
BZ 435A	Study Abroad--Honduras: Field Course--Dolphin Behavior and Physiology	2
BZ 435B	Study Abroad--Mexico: Practices in Marine Biology and Ecology	3
BZ 435C	Study Abroad--Kenya: Biology and Behavior of African Mammals	3
BZ 435D	Study Abroad--Madagascar: Biology and Behavior of Primates	3
BZ 449A	Study Abroad--Ecuador: Ecology/Conservation--Ecuadorian Biodiversity	4
BZ 455	Human Heredity and Birth Defects	3
BZ 460	Genome Evolution	4
BZ 462/MIP 462/ BSPM 462	Parasitology and Vector Biology	5
BZ 471	Stream Biology and Ecology	3
BZ 472	Stream Biology and Ecology Laboratory	1
BZ 475	Marine Mammalogy	3
BZ 477	Genome Editing Laboratory	2
BZ 478/VS 478	Biology and Behavior of Cats	3
BZ 479/VS 479	Biology and Behavior of Dogs	3

BZ 482F	Study Abroad--French Polynesia: Environmental and Cultural Studies	3
BZ 492A	Seminar: Behavior	1-3
BZ 492B	Seminar: Ecology	1-3
BZ 492C	Seminar: Genetics	1-3
BZ 492D	Seminar: Ornithology	1-3
BZ 492E	Seminar: Herpetology	1-3
BZ 492F	Seminar: Evolution	1-3
BZ 515	Physiological Ecology of Marine Vertebrates	3
BZ 525	Advanced Conservation & Evolutionary Genomics	4
BZ 526/BSPM 526	Evolutionary Ecology	3
BZ 535	Behavioral and Cognitive Ecology	3
BZ 562	Computational Approaches in Molecular Ecology	2
BZ 565/MIP 565	Next Generation Sequencing Platform/ Libraries	1
BZ 568/FW 568	Sustaining River Ecosystems in Changing World	3
LIFE 320	Ecology	3
A maximum of 3 credits are allowed from:		
BZ 384	Supervised College Teaching	1-5
BZ 487	Internship	1-12
BZ 495	Independent Study	1-3
BZ 498	Laboratory or Field Research	1-6