

WILDLIFE

Bachelor of Science degree with a major in Wildlife —

concentrations in Wildlife Management
& Conservation, Conservation Biology/
Applied Vertebrate Ecology

Minor in Wildlife *(suspended)*

See *Natural Resources* for information on
the *Master of Science degree with an con-
centration in Wildlife*.

Department Chair

Micaela Gunther, Ph.D.

Department of Wildlife

Wildlife & Fisheries Building 220

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The Program

Students completing this program will have
demonstrated:

- knowledge of theories, concepts, and
identification procedures in wildlife biology
- use of appropriate evaluative techniques
to develop knowledge and to examine ques-
tions when conducting wildlife/habitat inves-
tigations
- adept presentation of concepts and re-
search findings
- appreciation of sociopolitical factors that
affect wildlife conservation and management
processes.

Humboldt's wildlife students have the advan-
tage of living close to the ocean, wetlands,
and many wildlife sanctuaries. Nearly five mil-
lion acres of national forest, parks, and public
wilderness lands offer hands-on study of
wildlife, ecology, and management. Students
frequently take field trips to surrounding
wildlife areas and focus on laboratory study.

Humboldt's graduates do well as: wildlife
biologists, soil scientists, wildlife managers,
wildlife refuge managers, park rangers,
naturalists, preserve managers, fish and
game wardens, conservation officers, fisher-
ies technicians, forestry technicians, range
conservationists, agricultural inspectors,
and environmental planners.

Preparation

In high school take mathematics, chemistry,
biology, and any environmental studies that
may be available. Students are expected to
be proficient in computer applications.

REQUIREMENTS FOR THE MAJOR

*For a description of degree require-
ments to be fulfilled in addition to those
listed below for the major, please see "The
Bachelor's Degree" section of the catalog,
pp. 66-81., and "The Master's Degree"
pp. 82-84.*

Wildlife Management & Conservation Concentration

Lower Division

Life Sciences

- BIOL 105 (4) Principles of Biology
BOT 105 (4) General Botany
ZOO 110 (4) Introductory Zoology

Physical Sciences

- CHEM 107 (4) Fundamentals of
Chemistry

One of the following:

- CHEM 110 (5) General Chemistry II
CHEM 128 (3) Introduction to Organic
Chemistry
GSP 270 (3) Geographic Information
Science (GIS) [Prereq: GSP
101/GSP 101L]
PHYX 106 (4) College Physics:
Mechanics & Heat
SOIL 260 (3) Intro to Soil Science

Mathematics

- MATH 102 (4) Algebra & Elementary
Functions or equivalent
STAT 109 (4) Introductory Biostatistics

Conservation, Policy & Administration

- WLDF 210 (3) Introduction to Wildlife
Conservation and
Administration
WLDF 244 (1) Wildlife Policy & Animal
Welfare

Upper Division

- BOT 330 (2) Plant Ecology (lecture only)
BOT 350 (4) Plant Taxonomy
WLDF 301 (3) Principles of Wildlife
Management
PHIL 302 (3) Environmental Ethics, **or**
WLDF 309 (3) Case Studies in
Environmental Ethics, **or**
ESM 425 (3) Environmental Impact
Assessment
WLDF 311 (4) Wildlife Techniques
WLDF 365 (3) Ornithology I
ZOO 356 (3) Mammalogy

- ZOO 354 (4) Herpetology, **or**
FISH 310 (4) Ichthyology, **or**
ZOO 314 (5) Invertebrate Zoology, **or**
ZOO 358 (4) General Entomology

Life Forms & Applied Science/Manage- ment

Two of the following courses:

- WLDF 420 (3) Wildlife Management
(Waterfowl)
WLDF 421 (3) Wildlife Management
(Upland Game)
WLDF 422 (3) Wildlife Management
(Mammals)
WLDF 423 (3) Wildlife Management
(Nongame)

Habitat Ecology/Management

One of the following courses:

- WLDF 430 (3) Ecology & Management
of Wetland Habitats
WLDF 431 (3) Ecology & Management
of Upland Habitats

Advanced Classes

Two of the following courses:

- WLDF 450 (3) Principles of Wildlife
Diseases
WLDF 460 (3) Conservation Biology
WLDF 464 (3) Urban Wildlife Ecology
WLDF 468 (3) Spatial Wildlife Ecology
WLDF 470 (3) Animal Energetics
WLDF 475 (3) Wildlife Ethology
WLDF 478 (3) Ecology of Wildlife
Populations

Capstone Classes

- WLDF 485 (1) Senior Seminar
WLDF 490 (3) Honors Thesis, **or**
WLDF 492S (3) Senior Project, Service, **or**
WLDF 495 (3) Senior Project

Conservation Biology/Applied Vertebrate Ecology Concentration

Lower Division

Life Sciences

- BIOL 105 (4) Principles of Biology
BOT 105 (4) General Botany
ZOO 110 (4) Introductory Zoology

Physical Sciences

- CHEM 107 (4) Fundamentals of
Chemistry
CHEM 128 (3) Introduction to Organic
Chemistry

Mathematics

- MATH 105 (3) Calculus for the Biological Sciences & NR
 STAT 109 (4) Introductory Biostatistics

Conservation, Policy & Administration

- WLDF 210 (3) Intro to Wildlife Conservation and Administration
 WLDF 244 (1) Wildlife Policy and Animal Welfare

Upper Division

- BOT 330/330L (2/1) Plant Ecology and Plant Ecology Lab
 BIOL 340 (4) Genetics, **or**
 FISH 474 (4) Conservation Genetics of Fish and Wildlife
 BOT 350 (4) Plant Taxonomy
 WLDF 301 (3) Principles of Wildlife Management
 WLDF 311 (4) Wildlife Techniques
 WLDF 365 (3) Ornithology I
 WLDF 460 (3) Conservation Biology
 ZOO 356 (3) Mammalogy

Life Forms & Applied Science/Mgmt.**One** of the following courses:

- WLDF 420 (3) Wildlife Management (Waterfowl)
 WLDF 421 (3) Wildlife Management (Upland Game)
 WLDF 422 (3) Wildlife Management (Mammals)
 WLDF 423 (3) Wildlife Management (Nongame)

Habitat Ecology/Management**One** of the following courses:

- WLDF 430 (3) Ecology & Management of Wetlands Habitats for Wildlife
 WLDF 431 (3) Ecology & Management of Upland Habitats for Wildlife

Advanced Classes**Two** of the following courses:

- WLDF 450 (3) Principles of Wildlife Diseases
 WLDF 464 (3) Urban Wildlife Ecology
 WLDF 468 (3) Spatial Wildlife Ecology
 WLDF 470 (3) Animal Energetics
 WLDF 475 (3) Wildlife Ethology
 WLDF 478 (3) Ecology of Wildlife Populations

Capstone Classes

- WLDF 485 (1) Senior Seminar

- WLDF 490 (3) Honors Thesis, **or**
 WLDF 492S (3) Senior Project, Service, **or**
 WLDF 495 (3) Senior Project

Elective Course**One** of the following courses:

- GSP 270 (3) Geographic Information Science (GIS) [Prereq: GSP 101/GSP 101L]
 FISH 310 (4) Ichthyology
 STAT 333 (4) Linear Regression Models/ANOVA
 STAT 406 (4) Sampling Design & Analysis
 STAT 504 (4) Multivariate Statistics
 ZOO 310 (4) Animal Physiology
 ZOO 314 (5) Invertebrate Zoology
 ZOO 354 (4) Herpetology
 ZOO 358 (4) General Entomology

