

# 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 op-  
tion in Wildlife*.

## **Department Chair**

Micaela Gunther, Ph.D.

## **Department of Wildlife**

Wildlife & Fisheries Building 220

707-826-3953

[www.humboldt.edu/wildlife](http://www.humboldt.edu/wildlife)

## **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 requirements to  
be fulfilled in addition to those listed below  
for the major, please see "The Bachelor's  
Degree" section of the catalog, pp. 66-80,  
and "The Master's Degree" section of the  
catalog, pp. 81-83.*

## **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 328 (4) Brief 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 115 (4) Algebra & Elementary  
Functions  
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 Mgmt.

- 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 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 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 409 (4) Experimental 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

