Wildlife

Bachelor of Science degree
with a major in Wildlife —
centers on theories, concepts, and
use of appropriate evaluative techniques
appreciation of sociopolitical factors that
adept presentation of concepts and re-
of the following courses:
trips to surrounding

Minor in Wildlife [suspended]
See Natural Resources for information on
the Master of Science degree with an op-
in Wildlife.

Department Chair
Micaela Gunther, Ph.D.

Department of Wildlife
Wildlife & Fisheries Building 220
707-826-3953
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
ZOOL 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
ZOOL 356 (3) Mammalogy
ZOOL 354 (4) Herpetology, or

FISH 310 (4) Ichthyology, or
ZOOL 314 (5) Vertebrate Zoology, or
ZOOL 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
ZOOL 110 (4) Introductory Zoology

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

2017-2018 Humboldt State University Catalog
Wildlife
## Watershed Management Minor

### Mathematics

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Title</th>
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<tbody>
<tr>
<td>MATH 105</td>
<td>3</td>
<td>Calculus for the Biological Sciences &amp; NR</td>
</tr>
<tr>
<td>STAT 109</td>
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<td>Introductory Biostatistics</td>
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### Conservation, Policy & Administration

<table>
<thead>
<tr>
<th>Course</th>
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<td>WLDF 210</td>
<td>3</td>
<td>Intro to Wildlife Conservation and Administration</td>
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<tr>
<td>WLDF 244</td>
<td>1</td>
<td>Wildlife Policy and Animal Welfare</td>
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### Upper Division

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<td>Plant Ecology and Plant Ecology Lab</td>
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<td>BIOL 340</td>
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<td>Genetics, or Conservation Genetics of Fish and Wildlife</td>
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<td>FISH 474</td>
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<td>Wildlife Techniques</td>
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<td>BOT 350</td>
<td>4</td>
<td>Plant Taxonomy</td>
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<tr>
<td>WLDF 301</td>
<td>3</td>
<td>Principles of Wildlife Management</td>
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<td>WLDF 311</td>
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<td>WLDF 365</td>
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<td>Ornithology I</td>
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<td>WLDF 460</td>
<td>3</td>
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<td>ZOOL 356</td>
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<td>Mammalogy</td>
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### Life Forms & Applied Science/Mgmt.

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<tr>
<td>WLDF 420</td>
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<td>Wildlife Management [Waterfowl]</td>
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<td>WLDF 421</td>
<td>3</td>
<td>Wildlife Management [Upland Game]</td>
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<td>WLDF 422</td>
<td>3</td>
<td>Wildlife Management [Mammals]</td>
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<td>Wildlife Management [Nongame]</td>
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### Habitat Ecology/Management

<table>
<thead>
<tr>
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<tr>
<td>WLDF 430</td>
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<td>Ecology &amp; Management of Wetlands Habitats for Wildlife</td>
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<tr>
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<td>Ecology &amp; Management of Upland Habitats for Wildlife</td>
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### Advanced Classes

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<td>Principles of Wildlife Diseases</td>
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<td>WLDF 468</td>
<td>3</td>
<td>Spatial Wildlife Ecology</td>
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<td>WLDF 470</td>
<td>3</td>
<td>Animal Energetics</td>
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<td>WLDF 475</td>
<td>3</td>
<td>Wildlife Ethology</td>
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<td>WLDF 478</td>
<td>3</td>
<td>Ecology of Wildlife Populations</td>
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### Capstone Classes

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<tr>
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<tbody>
<tr>
<td>WLDF 485</td>
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<td>Senior Seminar</td>
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<td>WLDF 490</td>
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<td>WLDF 4925</td>
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### Elective Course

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<tbody>
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<td>FISH 310</td>
<td>4</td>
<td>Ichthyology</td>
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<tr>
<td>STAT 333</td>
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<td>Linear Regression Models/ANOVA</td>
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<td>STAT 406</td>
<td>4</td>
<td>Sampling Design &amp; Analysis</td>
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<td>STAT 409</td>
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<td>Experimental Design &amp; Analysis</td>
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<td>STAT 504</td>
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<td>Multivariate Statistics</td>
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<td>ZOOL 310</td>
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<td>Animal Physiology</td>
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<td>Invertebrate Zoology</td>
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<td>ZOOL 354</td>
<td>4</td>
<td>Herpetology</td>
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<td>ZOOL 358</td>
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**Watershed Management Minor**