Imagine a career managing elk populations, setting waterfowl harvest regulations, conducting research on endangered species! You can realize your career goals through our wildlife ecology & management option.

Make an appointment with one of our faculty or recruiter to learn more about options in our fisheries and wildlife major.

**Contact Information**

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**Career Path**

Refuge Manager, Conservation Officer, Farm Bill Biologist, Marine Biologist, Endangered Species Manager, Environmental Scientist, Private Lands Habitat Manager, Park Ranger, Environmental Educator, Zoo Animal Keeper

**Special Emphasis Courses**


**Internships Available**

Our students have enjoyed internships with the Nebraska Game and Parks Commission, the U.S. Fish and Wildlife Service, Wyoming Game and Fish, U.S. Geological Survey, Omaha’s Henry Doorly Zoo & Aquarium, and other state and federal agencies.
## Fisheries and Wildlife Major Requirements
### WILDLIFE ECOLOGY AND MANAGEMENT OPTION
#### 2016-2017 Required Courses
UNL College of Agricultural Sciences and Natural Resources

### Required Courses
<table>
<thead>
<tr>
<th>Field/Lab</th>
<th>4 credit hours</th>
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<tr>
<td>NRES 433 Wildlife Management Techniques &amp; NRES 233 Wildlife Field Techniques</td>
<td>4</td>
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**Conservation** 4 credit hours
- NRES 450 Biology of Wildlife Populations (BIOS 450) 4

**Zoology** 4 credit hours
- NRES 386 Vertebrate Zoology (BIOS 386) 4

**Career Experience** 1-3 credit hours
- NRES 399 Independent Research 1-5
- NRES 496 Independent Study 1-5
- NRES 497 Career Experiences in Natural Resource Sciences 1-6
- NRES 499 Thesis Research 3-6
- NRES 499H Honors Thesis 3-6

**Animal Course** 4 credit hours
- BIOS 475 Ornithology 3
- NRES 474 Herpetology (BIOS 474) 4
- NRES 476 Mammalogy (BIOS 476) 4

**Plant Course** 3-4 credit hours
- NRES 245 Introduction to Grassland Ecology & Management (AGRO 245) 3
- AGRO 440 Great Plains Ecosystem (NRES 440/RNGE 440) 3
- AGRO 442 Wildland Plants (NRES 442/RNGE 442) 3
- NRES 310 Introduction to Forest Management 4
- NRES 417 Agroforestry Systems in Sustainable Agriculture 3
- NRES 424 Forest Ecology 4
- NRES 426 Invasive Plants (AGRO 426/HORT 426) 3
- NRES 435 Agroecology (AGRO 435/HORT 435) 3

**Plant ID or Taxonomy** 3-4 credit hours
- NRES 426 Invasive Plants (AGRO 426/HORT 426) 3
- AGRO 442 Wildland Plants (NRES 442/RNGE 442) 3
- AGRO 444 Ecosystem Monitoring & Assessment 3

**Human Dimensions** 3-4 credit hours
- NRES 208 Applied Climate Sciences 3
- METR 100 Weather & Climate 4

**Policy** 3 credit hours
- One of policy courses under Fisheries and Wildlife courses 3
- NREE 456 Environmental Law (AECN 456) 3
- NREE 457 Water Law (AECN 457/WATS 457) 3

### Geographic Information Science (GIS) Course 2-4 credit hours
- NRES 312 Introduction to Geospatial Information Sciences (GEOG 312) 3
- NRES 412 Introduction to Geographic Information Systems (GEOG 412) 4
- NRES 418 Introduction to Remote Sensing (GEOG 418) 4
- NRES 427 Introduction to the Global Positioning System (GPS) 2
- NRES 420 Applications of Remote Sensing in Agriculture & Natural Resources (AGRO 419/GEOG 419/GEOL 419) 4

### Recommended Optional Electives 12 credit hours
- AECN 265 Resource & Environmental Economics I (NREE 265) 3
- AGRO 489 Urbanization of Rural Landscapes (CRPL 489/HORT 489) 3
- BIOS 454 Ecological Interactions (NRES 454) 3
- BIOS 462 Animal Behavior 3
- BIOS 468 Field Animal Behavior 4
- BIOS 472 Evolution 3
- BIOS 487 Field Parasitology 4
- NRES 211 Introduction to Conservation Biology 3
- NRES 270 Biological Invaders (AGRO 270/HORT 270/PLPT 270) 3
- NRES 308 Biogeography (GEOG 308/GEOL 308) 3
- NRES 348 Wildlife Damage Management 3
- NRES 388 Employment Seminar (AGRI 388) 1
- NRES 423 Integrated Resources Management 3
- NRES 428 Leadership in Public Organizations (ALEC 428) 3
- NRES 434 Environmental Education & Interpretation (ENVR 434) 3
- NRES 459 Limnology (BIOS 459/WATS 459) 4
- NRES 463 & NRES 463L Fisheries Science & Lab 4
- NRES 468 Wetlands (BIOS 458/WATS 468) 4
- NRES 484 Water Resources Seminar (AGRO 484/GEOG 484/GEOL 484/WATS 484) 1
- NRES 489 Ichthyology (BIOS 489) 4
- NRES 492 Study Tours in Natural Resource Management 1-3
- NRES 495 Grasslands Seminar (AGRO 495/ENTO 495/GRAS 495/HORT 495/RNGE 495/SOIL 495) 1-2
- PHIL 225 Environmental Ethics 3
- NRES 489 Ichthyology (BIOS 489) 4
- NRES 492 Study Tours in Natural Resource Management 1-3
- PHIL 225 Environmental Ethics 3