Imagine a career managing wetland, forest or grassland habitats on public or private lands! You can realize your career goals through our habitat management option.

Make an appointment with one of our faculty advisers to learn more about our fisheries and wildlife major.

**Career Path**
Private Lands Biologist, Habitat Specialist, Refuge Manager

**Special Emphasis Courses**

**Internships Available**
Our students have enjoyed internships with the Nature Conservancy, National Park Service, Nebraska Game and Parks Commission, U.S. Fish and Wildlife Service and Bureau of Land Management and other state and federal agencies and organizations.
### Fisheries and Wildlife Major Requirements

**HABITAT MANAGEMENT OPTION**

**2015-2016 Required Courses**

**UNL College of Agricultural Sciences and Natural Resources**

<table>
<thead>
<tr>
<th>Habitat Management Option Requirements</th>
<th>31 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one course from: NRES 386 Vertebrate Zoology(\text{NP}), BIOS 381 Invertebrate Zoology, BIOS 488 Natural History of invertebrates</td>
<td>4</td>
</tr>
</tbody>
</table>

**Animal Course: Select one course from:**

- BIOS 475 Ornithology, BIOS 487 Field Parasitology, ENTO 402/402L Aquatic Insects/Lab, ENTO 411 Field Entomology, NRES 464 Fisheries Biology \(\text{NP}\), NRES 474 Herpetology \(\text{NP}\), NRES 476 Mammalogy \(\text{NP}\), NRES 489 Ichthyology \(\text{NP}\)  
  3-4

**Plant ID Course: Select one course from:**

- AGRO 442 Wildland Plants, HORT 212 Landscape Plants I, NRES 426 Invasive Plants \(\text{NP}\), BIOS 455 Great Plains Flora  
  3-4

**Grassland Systems Course: Select one course from:**

- RNGE 240 Forage Crop and Range Management, RNGE 440 Great Plains Ecosystems, RNGE 442 Wildland Plants, RNGE 444 Ecosystem Monitoring & Assessment, BIOS 470 Prairie Ecology  
  3-4

**Forest Systems Course: Select one course from:**

- NRES 310 Introduction to Forest Mgt. \(\text{NP}\), NRES 417 Agroforestry Systems in Sustainable Agriculture \(\text{NP}\), NRES 424 Forest Ecology \(\text{NP}\)  
  3-4

**Aquatic Systems Course: Select one course from:**

- NRES 459 Limnology \(\text{NP}\), NRES 463 Fisheries Science \(\text{NP}\), NRES 468 Wetlands \(\text{NP}\), NRES 470 Lake & Reservoir Management \(\text{NP}\), or NRES 481 Stream & River Ecology  
  3-4

**Soil Science Course: Select one course from:**

- MSYM 354 Soil Conserv. & Watershed Mgt, AGRO 269 Principles of Soil Management, (3) AGRO 477 Great Plains Field Pedology (4)  
  3-4

**Production Systems Course: Select one course from:**

- AGRO 204 Res. Efficient Crop Management, AGRO 435 Agroecology, RNGE 340 Range Mgt. & Improvement  
  3

**GIS Course: Select one course from:**

- NRES 312 Introduction to Geospatial Information Sciences\(\text{NP}\), NRES 412 Introduction to Geographic Information Systems\(\text{NP}\), NRES 418 Introduction to Remote Sensing\(\text{NP}\), NRES 427 Introduction to Global Positioning Systems \(\text{NP}\), GEOG 217 Mapping Science in the 21st Century, GEOG 317 Cartography I: Introduction to Cartography or NRES 420 Applications of Remote Sensing in Agriculture and Natural Resources \(\text{NP}\)  
  2.4

**Select one from:**

- NRES 399 Independent Research\(\text{NP}\) (1-5 cr), NRES 496 Independent Study\(\text{NP}\) (1-5 cr), NRES 497 Career Experience\(\text{NP}\) (1-6 cr), NRES 499 Thesis Research\(\text{NP}\) (3-6 cr), NRES 499H Honors Thesis\(\text{NP}\) (3-6 cr)  
  1-3

**Habitat Management Option Electives (9 Hours)**

Select from (at least 6 hours must be 300- or 400-level):

### Agricultural Economics Courses

- AECN 265 Resource & Environmental Economics (3 cr)

### Agronomy Courses

- AGRO 340 Range Management and Improvement (3 cr)
- AGRO 489 Urbanization of Rural Landscapes (3 cr)

### Biological Sciences courses

- BIOS 455 Great Plains Flora (4 cr)
- BIOS 471 Plant Systemics (4 cr)

### Entomology courses

- ENTO 115 Insect Biology & ENTO 116 Insect ID (3 cr)

### Natural Resources courses

- NRES 270 Biological Invaders (3 cr) \(\text{NP}\)
- NRES 316 Case Studies in Theoretical Ecology (3 cr) \(\text{NP}\)
- NRES 348 Wildlife Damage Mgt (3 cr) \(\text{NP}\)
- NRES 423 Integrated Resource Management (3 cr) \(\text{NP}\)
- NRES 428 Leadership in Public Organizations (3 cr) \(\text{NP}\)
- NRES 434 Environmental Education & Interpretation (3 cr) \(\text{NP}\)
- NRES 487 Intro to Landscape Ecology (3 cr) \(\text{NP}\)
- NRES 492 Natural Resources Study Tours (variable credit) \(\text{NP}\)
- NRES 495 Grasslands Seminar (1-2 cr) \(\text{NP}\)

### Philosophy courses

- PHIL 225 Environmental Ethics (3 cr)

And/or any optional courses listed but not taken under the Base Science Courses, Fisheries and Wildlife Courses, or Option Requirements headings in this program.

**Free electives: 5 hours**

This option is designed for students considering careers in habitat management, private lands management, or public lands (e.g., National Wildlife Refuge) management. Completion of this program also provides excellent preparation for graduate study.

\(\text{NP}\) Course may not be taken as Pass/No Pass by FWL majors.