



Wildlife Disease

Imagine a career combining your interests in wildlife and animal health – working with emerging diseases such as West Nile virus, chronic wasting disease or avian flu! You can realize your career goals through our wildlife disease option.

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



A fisheries and wildlife student takes a blood sample from a barn owl to test for West Nile virus during an internship with the Raptor Recovery network.

FISHERIES AND WILDLIFE DEGREE PROGRAM

Sue Ellen Pegg
Recruiting Coordinator
102D Hardin Hall
School of Natural Resources
University of Nebraska
Lincoln, NE 68583-0981
Phone: 402-472-7471
email: spegg2@unl.edu
<http://snr.unl.edu>

*College of Agricultural
Sciences and Natural
Resources
(<http://casnr.unl.edu>)*

School of Natural Resources

Career Path

Wildlife Disease Specialist, Wildlife Veterinarian, Public Health

Special Emphasis Courses

Wildlife Disease, Wildlife Damage Management, Advanced Wildlife Damage Management, Wildlife Ecology and Management, Wildlife Management Techniques, Biology of Wildlife Populations

Internships Available

Our students have enjoyed internships with the UNL Veterinary Diagnostics Laboratory, Raptor Recovery, the USDA National Wildlife Research Center, the Nebraska Game and Parks Commission and other state and national agencies and organizations.



University of Nebraska–Lincoln

Fisheries and Wildlife Major Requirements

WILDLIFE DISEASE OPTION

Wildlife Disease Option Requirements	33 Hours	
NRES 386 Vertebrate Zoology		4
<i>Animal Course:</i> Select one course from: NRES 476 Mammalogy, BIOS 475 Ornithology, ASCI 250 Animal Management, NRES 489 Ichthyology		3-4
<i>Plant Course:</i> Select one course from: AGRO 440 Great Plains Ecosystems, AGRO 442 Wildland Plants, BIOS 455 Great Plains Flora, NRES 310 Intro to Forest Management, NRES 417 Agroforestry Systems, NRES 424 Forest Ecology, NRES 435 Agroecology, RNGE 240 Forage Crop & Range Management		3-4
Disease Course: Select one course from: VBMS 303 Principles and Prevention of Livestock Diseases or PLPT 475 Agricultural Biosecurity NOTE: <i>Students are encouraged to use a substitution/waiver form to count the following new course for this requirement: NRES 496 Wildlife Diseases</i>		3-4
NRES 450 Biology of Wildlife Populations		4
<i>Anatomy and Physiology Course:</i> Select one course from: BIOS 213 Human Physiology and Lab, ASCI 240 Anatomy and Physiology of Animals, BIOS 388 Comparative Anatomy of Vertebrates		4
<i>Microbiology Course:</i> Select one course from: BIOS 111 Biology of Microorganisms, BIOS 312/314 Fundamentals of Microbiology/Lab		3-4
<i>Parasitology Course:</i> Select one course from: BIOS 385 Parasitology, BIOS 487 Field Parasitology, VBMS 416/416L Veterinary Entomology/Ectoparasite/Lab		3-4
ENTO 300 Toxicology in the Environment		2
NRES 496 Independent Study or NRES 497 Career Experience or NRES 499 Thesis Research or NRES 499H Honors Thesis		1-3

Wildlife Disease Option Electives (9 Hours):

Select from either Package A (suitable for pre-med or pre-vet students) or Package B to satisfy option electives.

Package A:

Chemistry courses

CHEM 251/253(L) Organic Chemistry (4 cr)

CHEM 252/253(L) Organic Chemistry II (4 cr)

Physics courses

PHYS 142 Elementary General Physics II (5 cr)

Package B:

Any courses listed but not taken under the *Natural Resources Core Courses, Fisheries and Wildlife Courses, or Option Requirements* headings in this program. At least 6 hours must be at the 400-level. Courses may include: NRES 423 Integrated Resource Management (3 cr)

Free electives: 4 hours

This option is designed for students considering careers in wildlife disease or public health. Completion of this program also provides excellent preparation for graduate study. Students interested in wildlife medicine or veterinary science should talk to their advisor regarding requirements for admission to the college of veterinary medicine. The Fisheries and Wildlife major, with the Wildlife Disease Option, could be a second major for students majoring in veterinary and biomedical sciences.