



DEPARTMENT OF ENTOMOLOGY AND WILDLIFE ECOLOGY

Wildlife conservation is the effort to ensure perpetuation of free-living populations in their native habitats.

AREAS OF EMPHASIS AT DELAWARE

Students who are interested in the life sciences, whole organisms, ecology, and the biological aspects of the environment can find their interests met in the Wildlife Conservation major. Students in this program learn about wildlife management; conservation techniques; and non-domesticated animals, including birds, mammals, amphibians, reptiles, and insects.

The curriculum builds from basic courses in biology, chemistry, and conservation to more specialized and supporting courses such as ecology, botany, and mammalogy. You also will take general education courses in computers, English, mathematics, social sciences, humanities, literature and the arts to ensure breadth in your undergraduate experience and to provide skills and knowledge necessary to the practice of conservation. Many students choose to pursue a minor in areas such as political science, economics, Spanish, geography, entomology or biology.

WHAT'S SPECIAL ABOUT THE PROGRAM?

At the University of Delaware, Wildlife Conservation majors work closely with the department's faculty, which includes scholars whose interests lie in ecology, behavior,

wildlife management, genetics, entomology, mammalogy, ornithology, and conservation. Not only will you learn from your professors in class, but you'll get to know them and seek professional guidance from them outside of lecture and lab. Students here work part-time with faculty on research projects as part of the Science and Engineering Scholars program and in independent studies. You also will have a faculty advisor assigned especially to you for help with course selection, internship advice, and career planning. Besides spending time in class with fellow biologists and conservationists, you'll have the chance to work with your peers in groups like the Student Chapter of the Wildlife Society. You can participate in Stream Watch, petition Congress to protect Endangered Species, conserve our beaches through grassplanting projects, and enjoy trips to Hawk Mountain. Club life is a great way to live what you are learning in class while gaining teamwork and leadership experience.

FACILITIES AND RESOURCES

The College of Agriculture and Natural Resources houses the Wildlife Conservation major, and most of its facilities are accessible to students. Most of our classes and laboratory sections meet in Townsend and Worrilow halls, which are part of our 350-acre teaching and research complex. Our farm, located on site, means easy access for field trips to experimental plots, hedgerows, small wetlands, and a 35-acre forest. The farm harbors many species, including red foxes and great horned owls,

and provides opportunities for observation and experimentation. In addition to field trips on the farm, you will experience the local natural areas like White Clay Creek State Park, Fair Hill Natural Resource Management Area, and Bombay Hook National Wildlife Refuge. More than 100 species of birds have been seen there in recent years. The department also has collections of preserved insects, amphibians, reptiles, birds and mammals for use in teaching. In addition to these resources, students also routinely use the Townsend agriculture library and the College's computing facility, with its Web and E-mail access and state-of-the-art software.

CAREER PATHS

State and federal wildlife biologist. Park Naturalist. Environmental consulting and education. Wetlands protection and rehabilitation. These careers and more are shared by our alumni. While some students enter the workforce right after college, others choose to further their education in graduate school, studying subjects like wildlife management, avian ecology, entomology, environmental education, and conservation biology. Whatever your goal, you will be encouraged to participate in our job-search workshops and career days, seek an internship, develop your communication skills, and learn to network with prospective employers. This, in addition to doing well academically, will greatly enhance your post-graduate opportunities.

THE WILDLIFE CONSERVATION CURRICULUM

Starting with the first semester, Wildlife Conservation majors usually have at least one course in the department each semester. To earn a bachelor's degree, students must complete 124 credits and meet specific requirements, as outlined in the *University of Delaware Undergraduate Catalog*. Each semester's courses will depend on the student's interest, background, and academic preparation. **The following plan is one example; not every student will take every course in the same order.** Students take 12 -17 credits per term; Winter and Summer sessions may be used to lighten the loads of regular semesters. Students should meet with their academic advisor before registering for any semester.

FRESHMAN YEAR

FALL SEMESTER

ENWC 165- New Student Seminar (1 cr.) Study and careers in entomology and wildlife conservation. Readings, speakers, discussions, written/oral assignments and field trips

BISC 207- Introductory Biology I (4 cr.)

ENWC 201- Wildlife Conservation and Ecology (3 cr.)

CHEM 103 - General Chemistry (4 cr.)

Mathematics (3 cr.) The first math course, probably pre-calculus or calculus, is determined by student's background and math placement exam

SPRING SEMESTER

BISC 208- Introductory Biology II (4 cr.)

CHEM 104 - General Chemistry II (4 cr.)

ENGL 110- Critical Reading and Writing (3 cr.)

ENWC 205- Elements of Entomology (3 cr.)

SOPHOMORE YEAR

Botany I (4. cr.)

Introduction to Soil Science (4 cr.)

General Ecology (3 cr.)

Introduction to Data Analysis (3 cr.)

Major Requirements (3-6 cr.)

University and College Breadth Requirements* (3-6 cr.)

JUNIOR YEAR

Wildlife Management (3 cr.)

Ornithology (3 cr.)

Insect Taxonomy (3 cr.)

Research Methods (Statistics) (3 cr.)

Major Requirements (11 cr.)

University and College Breadth Requirements* (3 cr.)

SENIOR YEAR

Senior Capstone Experience (1 cr.)

Mammalogy (3 cr.)

Wildlife Research Techniques (3 cr.)

Plant Taxonomy (3 cr.)

Major Requirements^ (3-12 cr.)

University and College Breadth Requirements/Electives* (3-12 cr.)

* There's a total of 21 University and College Breadth credits required for this degree including a minimum of nine credits from any three different College of Agriculture and Natural Resources subject area codes, outside the subject area codes of the student's major. Twelve credits are required (3 from each) from the following categories: Creative Arts and Humanities; History and Cultural Change; Social and Behavioral Sciences; Mathematics, Natural Sciences and Technology. At least one course in multicultural studies must be taken to fulfill graduation requirements.

^ Major Requirements are courses that guarantee education in a variety of areas expected of wildlife biologists: communications; statistics; ethics and political science. Students choose courses that interest them from various offerings in these areas.

FOR MORE INFORMATION

You are welcome to come talk with us about our majors and the ways in which we can help you reach your goals. Please contact us:



College of Agriculture
& Natural Resources

The College of Agriculture and Natural Resources
104 Townsend Hall
Newark, DE 19716-2103
302/831-2508
FAX: 302/831-1360
Email: academics@anr.udel.edu
<http://ag.udel.edu>

The Office of Undergraduate Admissions
210 South College Av.
Newark, DE 19716-6210
302/831-8123
FAX 302/831-6905
Email: admissions@udel.edu
<http://www.udel.edu/admissions/>