

Contact

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Admission Requirements

(In years as established by the college)

A high school diploma with the following specific courses:

- 4 English
- 2 Algebra I & II
- 1 Geometry
- 2 Lab Science (*biology & chemistry or physics*)
- 2 History/Social Studies
- Academic electives (*to equal at least 17 total credits*)

To ensure current mathematical skills, students should take a mathematics course during their senior year of high school. Students must be in the upper 25 percent of their high school class or have an 1100 combined verbal & math SAT score.

Major Requirements

- 26 credits Wildlife Ecology (*including 2 field courses*)
- 7 credits Statistics & Mathematics
- 44 credits Other Sciences

124 minimum total credit hours required for graduation

College of Natural Sciences, Forestry & Agriculture

Program Description

The Wildlife Ecology curriculum combines the study of basic sciences and mathematics, and humanities and communications with the required professional courses to produce well-rounded, technically competent graduates who can meet the professional certification requirements of The Wildlife Society or the American Fisheries Society. Students receive a Bachelor of Science degree in Wildlife Ecology and can concentrate in the areas of fisheries, conservation biology, and wildlife science and management. Students can also obtain a minor in fisheries.

Career Opportunities

Graduates typically work in federal or state agencies as wildlife or fisheries biologists, research biologists and conservation officers. Opportunities exist in the private sector in firms dealing in forestry, energy production and environmental consulting. Other opportunities exist with private conservation organizations and in environmental education. We help students to obtain summer and permanent employment in these areas.

A sample of self-reported career paths entered by Wildlife Ecology graduates are:

- Wildlife and Fisheries Biologists, Maine Department of Inland Fish & Wildlife;
- Refuge Manager, Moosehorn National Wildlife Refuge;
- District Supervisor, Wildlife Division, Missouri Department of Conservation;
- Executive Director, The Wildlife Society, Washington, DC;
- Conservation Officer, Wyoming Game and Fish Department;
- Wildlife Biologist, Bur. Land Management, Birds of Prey;
- Wildlife and Fisheries Biologists, U.S. Fish and Wildlife Service;
- Wildlife and Fisheries Biologists, U.S. Forest Service;
- Park Ranger, Bay Mountain Lake;
- Field Research Assistant, Maine Audubon Society;
- Executive Director, Woodlot Alternatives;
- Wildlife Biologist, Soil Conservation Service;
- Director, Kissimmee Prairie Sanctuary, National Audubon Society;
- Wildlife Biologists with state agencies in Connecticut, Vermont, New York, Montana, Washington, Alaska, Missouri.

General Education Requirements*

- ENG 101 College Composition
- 18 credits Human Values & Social Context area (*a single course may satisfy more than 1 sub-category, but a total of 18 credits must be completed*)
 - Western Cultural Tradition
 - Social Context & Institutions
 - Cultural Diversity & International Perspectives
 - Population & the Environment
 - Artistic & Creative Expression
- 2 courses Designated Writing Intensive (*1 must be within the major*)
- 2 courses Biological or Physical Sciences (*must include at least 1 laboratory course*)
- 1 course Ethics (*emphasis on discussion of ethical issues in 1 course or series of courses*)
- 6 credits Mathematics (*including statistics & some computer science, only 3 credits in computer science can count toward this requirement*)

General Education Requirements* (continued)

1 capstone An approved experience in which the student integrates the components of his or her undergraduate training to perform at a professional level. The capstone experience is usually completed during the senior year in consultation with the student's academic advisor.

**All UMaine students must complete these general education requirements, which are counted in the total credit hours required for graduation and may be contained in the Major Requirements previously listed.*

Graduate Study

Graduate work is strongly recommended and almost essential to go into research, college teaching or specific phases of management and administration. Our undergraduates have entered graduate programs at top universities throughout the United States and Canada. The University of Maine's Department of Wildlife Ecology offers a Master of Science degree in Wildlife Ecology, a Master of Wildlife Conservation degree and a Doctor of Philosophy degree in Wildlife Ecology.

Academic Programs 2008-2009

Please refer to the web site (<http://factsheets.umaine.edu/>) for the most updated version of the fact sheets.
This fact sheet is intended for informational purposes only and is subject to change.