Twin Cities Campus

Fisheries, Wildlife, and Conservation Biology Minor

Fisheries, Wildlife, and Conservation Biology

College of Food, Agricultural and Natural Resource Sciences

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2019
- Required credits in this minor: 15 to 18

The fisheries, wildlife, and conservation biology minor enables students in programs such as biology, communications, education, forestry, natural resources, environmental studies, and others to develop an understanding of the principles and practices of fisheries, wildlife, and conservation biology. An overview is provided of fish and wildlife biology and the general principles applied to managing their populations and habitats. Students interested in the minor should contact the CFANS Student Services Office.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Minor Requirements

Intro to FWCB/Ecology

Note: Advanced students (e.g., transfers, a student with more than 60 cr) may substitute one additional class from the Advanced FW list below for this requirement.

FW 2001W - Introduction to Fisheries, Wildlife, and Conservation Biology [ENV, WI] (3.0 cr)
or EEB 3407 - Ecology (3.0 cr)
or EEB 3408W - Ecology [WI] (4.0 cr)
or FNRM 3104 - Forest Ecology (4.0 cr)
or any other ecology course approved by the Undergraduate Coordinator

Principles of Fisheries, Wildlife and Conservation Biology

Take 1 or more course(s) totaling 3 or more credit(s) from the following:

- FW 4102 - Principles of Conservation Biology [ENV] (3.0 cr)
- FW 4103 - Principles of Wildlife Management (3.0 cr)
- FW 4107 - Principles of Fisheries Science and Management (3.0 cr)

Human Dimensions

Note: may not take both 3000 & 5000 versions of the same class.

Take 1 or more course(s) from the following:

- ESPM 3011W - Ethics in Natural Resources [CIV, WI] (3.0 cr)
- ESPM 3202W - Environmental Conflict Management, Leadership, and Planning [WI] (3.0 cr)
- ESPM 3271 - Environmental Policy, Law, and Human Behavior [CIV, SOCS] (3.0 cr)
- FW 3925 - Human Dimensions of Fisheries and Wildlife Management (3.0 cr)

Organismal

Take 1 or more course(s) from the following:

- FW 4101 - Herpetology (4.0 cr)
- FW 4136 - Ichthyology (4.0 cr)
- EEB 4129 - Mammalogy (4.0 cr)
- EEB 4134 - Introduction to Ornithology (4.0 cr)
- EEB 4839 - Field Studies in Mammalogy (4.0 cr)
- EEB 4844 - Field Ornithology (3.0 cr)
- PMB 4511 - Flowering Plant Diversity (3.0 cr)

Advanced FW

Courses may require senior status and/or instructor's permission.

Take 1 or more course(s) totaling 3 or more credit(s) from the following:

- FW 4001 - Biometry (4.0 cr)
- FW 4301 - Conservation Genetics (3.0 cr)
- FW 4401 - Fish Physiology and Behavior (3.0 cr)
- FW 5003 - Human Dimensions of Biological Conservation (3.0 cr)
- FW 5051 - Analysis of Populations (4.0 cr)

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•FW 5121 - Conservation Planning and Structured Decision-making (3.0 cr)
•FW 5459 - Stream and River Ecology (3.0 cr)
•FW 5603W - Habitats and Regulation of Wildlife [WI] (3.0 cr)
•ESPM 5071 - Ecological Restoration (4.0 cr)

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