



UPPER IOWA UNIVERSITY

Established in 1857

Conservation Management

The Conservation Management major prepares students for careers in the field of conservation, including work in parks, fisheries, and with wildlife. The major is interdisciplinary in nature, providing students with a broad background in conservation. The broad focus of the Conservation Management major curriculum provides the background and training necessary to deal with diverse conservation problems that graduates will face in the work force.

Major in Conservation Management Courses

BIO 100: General Biology
BIO 101: General Biology Lab
BIO 110: General Zoology
BIO 120: General Botany
BIO 320: Fish and Wildlife Management
BIO 335: Ecology
BIO 361: Environmental Policy and Ethics
BIO 403: Field Internship
BIO 410: Plant Taxonomy
BIO 496: Senior Seminar
ES 220: Soil and Water Conservation
HPER 102: First Aid/CPR/AED Programs
PS 100: U.S. Government*
PS 230: State and Local Government*

*Choose either PS 100 OR PS 230

Electives

In addition to the required courses, four hours of electives in biology at or above the 300 level are required. Examples of elective classes that can be taken include:

BIO 300: Genetics
BIO 315: Ichthyology
BIO 323: Plant Nutrition
BIO 325: Plant Physiology
BIO 352: Parasitology
BIO 393: Herpetology
BIO 410: Plant Taxonomy
BIO 428: Plant Pathology
BIO 490: Entomology

Internships

All Conservation Management majors are required to complete an internship. Internships provide excellent opportunities for students to experience the "real world" and put their skills to work. Students actively participate in selecting their internship experience and can design the internship according to their own interests and career goals. Many internship experiences lead to a permanent job offer or employment in the internship area.

Senior Project

All Conservation Management majors are required to complete a senior project. In conjunction with a faculty advisor, students choose a subject of interest. Working with their advisor, students conduct either a literature review or hands-on research regarding their chosen subject. This culminates in a written report and oral presentation to the science faculty. Some examples of recent senior projects include:

- **Josh Gurber** – *Water Quality Testing at Backbone*
- **Marty Hamel** – *Parasite Study in Rock Bass*
- **Peg House** – *Helminth Study in Mink*

Classrooms & Equipment

16 foot Jon Boat
32 station computer lab
1,500 sq. foot greenhouse
Hydrolab water quality multiprobe
(temperature, pH, dissolved oxygen, and conductivity) and field computer
Pleggenkuhle Prairie — three acres of virgin prairie managed by Upper Iowa University
Turbidity meter
Water quality lab equipped to monitor nitrogen, phosphorus, and suspended solids

Career Opportunities

Conservation Management majors have been successful in pursuing many career avenues. Some of the most popular choices of Upper Iowa University Conservation Management majors include:

Iowa Department of Natural Resources
Iowa County Conservation Boards
National Park Service

Here are a few examples of what some recent Conservation Management graduates are doing:

Royce Bowman — Manchester Fish Hatchery, *Iowa Department of Natural Resources*

Joshua Gruber — Fisheries Biologist, *U.S. Fish and Wildlife Service*

Upper Iowa University graduates are currently employed by conservation agencies in other states, including Illinois, Colorado, and Idaho. Conservation Management majors interested in earning a graduate degree should consider double-majoring in Biology or Life Science, or earning a minor in Biology.

Activities & Resources

UIU Conservation Management majors are strongly encouraged to actively participate in the Science and Environmental Club.

Faculty

Dr. Lew Churbuck,
Associate Professor of Biology
B.A. Upper Iowa University
M.A. University of Northern Iowa
Honorary Doctorate, Upper Iowa University

Dr. Scott Figdore,
Professor of Science
B.S. Penn State University
M.S., Ph.D. University of Wisconsin

Dr. Rick Klann,
Delano Professor of Science
B.A. Westminster College
M.A., Ph.D. University of Missouri

Dr. Katherine McCarville,
Assistant Professor of Geosciences
B.S. University of California
M.Sc. Colorado School of Mines
Ph.D. South Dakota School of Mines and Technology



Office of Admissions

Parker-Fox Hall
P. O. Box 1859
Fayette, IA 52142

1-800-553-4150, Ext. 2
www.uiu.edu
admission@uiu.edu