

# ENVIRONMENTAL SCIENCE (ENSC)

## ENSC 100 Environmental Science 2.00

Basic course in human-environment interactions for all students at UW Superior. Students will gain an awareness of the importance of Earth's systems in sustaining our daily lives, and develop the scientific foundation needed to understand contemporary environmental issues. Meets the University Studies environmental science requirement. No prerequisite. (Lecture two hours.)

### University Studies Requirements:

- Natural Sciences - Environmental

### Typically Offered:

- On-campus: Fall, Spring, & Sum
- Online: Fall & Spring

## ENSC 189 Environmental Science Elective 1.00-12.00

Transfer credits ONLY from another accredited institution not equivalent to a UW-Superior course.

## ENSC 189ES Environmental Science Elective 1.00-12.00

Transfer credits ONLY from another accredited institution not equivalent to a UW-Superior course.

### University Studies Requirements:

- Natural Sciences - Environmental

## ENSC 189LS Environmental Science Elective Lab Science 1.00-12.00

Transfer credits ONLY from another accredited institution not equivalent to a UW-Superior course.

### University Studies Requirements:

- Natural Sciences - Lab

## ENSC 200 People and the Environment: Challenges & Actions 3.00

This course builds on knowledge of physical processes of human-environment interactions, such as climate change and freshwater depletion, to learn about the social and cultural processes that are crucial for understanding the environmental challenges that human beings face and our best means of dealing with them. The course includes lecture, discussion, experiential learning, and student research.

### Typically Offered:

- On-campus: Spring;

## ENSC 350 Environmental Science Research Methods 2.00

This is a field-based environmental science research methods class that will: 1) provide students with hands-on experience with a suite of research methods, 2) provide examples of real-world science-based problem-solving, 3) demonstrate how environmental research can provide needed information for natural resource managers to make management decisions, and 4) learn how to prepare a scientific report.

### Prerequisites:

Successful completion of BIOL 340 or instructor consent

### Typically Offered:

- On-Campus: Fall;

## ENSC 381 Environmental Science Special Topics 1.00-4.00

This course is a specialized topic in environmental science and may include workshops, seminars, field trips, lectures, focused projects, and independent study. Course may be repeated when topics are different. Instructor permission required to enroll in the course.

### Typically Offered:

- Occasional by Demand

## ENSC 489 Environmental Science Elective 99.00

Transfer credits ONLY from another accredited institution not equivalent to a UW-Superior course.

## ENSC 491 Research in Environmental Science 1.00-4.00

An independent study developed in cooperation with faculty or area research laboratories designed to provide students with practical experience in environmental science. With assistance from a faculty member, students must outline a research problem and complete a Contract for Independent Learning proposal form prior to registration. In order to fulfill the Senior Experience requirement for all Environmental Science graduates, students must present their experience at a scientific conference or at a Department of Natural Science symposium. Students should plan to register for ENSC 497 during the semester they plan to present their research. Instructor consent required. May be repeated for a total of four (4) credits.

### Typically Offered:

- On-campus: Fall & Spring;

## ENSC 496 Internship in Environmental Science 1.00-4.00

On-the-job experience with local agencies (e.g. Wisconsin DNR) that provides students with opportunities to apply their skills to practical problems. In collaboration with a faculty sponsor, students must complete a Contract for Independent Learning proposal form prior to registration. In order to fulfill the Senior Experience requirement for all Environmental Science graduates, students must present their experience. Internships experiences can be presented at a Department of Natural Science symposium. Students should plan to register for ENSC 497 during the semester they plan to present their internship. Instructor consent is required. May be repeated for a total of four credits.

### Typically Offered:

- On-campus: Fall & Spring;

**ENSC 497 Environmental Science Senior Experience Seminar 1.00**

This course prepares students to develop and deliver a scientific presentation that serves a culminating experience for Environmental Science majors. The presentation topic is connected to the experience completed in ENSC 491 (Research in ENSC) or ENSC 496 (ENSC Internship), either of which must be taken as a pre-requisite or a co-requisite course. Students should register for this course during the semester they plan to present their senior experience. Meets on campus 1 hour per week.

**Prerequisites:**

Pre-requisite ENSC 491 or ENSC 496 OR Co-requisite ENSC 491 or 496

**Typically Offered:**

- Fall and Spring Terms