

Environmental Studies (ENS)

Division of Science and Mathematics

- **B.A. Major: 47-48 hours**
- **Minor: 26-29 hours**
- **Major/minor GPA required for graduation: 2.25**

PROGRAM REQUIREMENTS:

- **Capstone: Biology Research Methods (BIO 455)**
- **Research: Biology Research Methods (BIO 455)**

Description of Major: Environmental studies is a field that integrates the natural sciences with other disciplines. Through critical thinking and the use of the scientific method, environmental studies evaluates the complex relationships between humans and the environment.

Mission: The mission of the environmental science program at McKendree University is to educate students about issues related to environmental stewardship, conservation, and the use of natural resources. Through the development of critical thinking skills and the application of varying teaching approaches, students will gain the knowledge and skills necessary to affect positive change in their communities as well as the world at large. This includes the ability to participate actively in policy decisions related to environmental issues, to communicate scientific knowledge to the public, and to develop expertise about the ecosystems that we interact with daily.

Student Learning Outcomes

Students will:

- Practice scientific inquiry using the scientific method.
- Effectively communicate to broad audiences, including individuals with scientific and non-scientific backgrounds.
- Integrate historical, ethical, sociological, and scientific knowledge as it applies to current environmental issues and propose solutions.
- Develop professional skills associated with their career goals.

Preparation: The environmental studies program prepares students to enter careers or pursue graduate work in a variety of fields, including those in environmental science, business, policy, law, and public health.

Students must earn a C- or better in all courses applied to the major or minor. No more than four credit hours of internship may be applied towards the major.

BACHELOR OF ARTS

MAJOR REQUIREMENTS **47-48 crs.**

CORE REQUIREMENTS **31 crs.**

BIO 108	BIOLOGY CORNERSTONE	1
BIO 111	PRINCIPLES OF ORGANISMAL AND POPULATION BIOLOGY	5
BIO 202	SCIENTIFIC COMMUNICATION (W)	2
BIO 250	INTRODUCTION TO ENVIRONMENTAL SCIENCE	3
BIO 300	BIOSTATISTICS	3
BIO 455	BIOLOGY RESEARCH METHODS	2
CHE 100	CHEMISTRY IN THE MODERN WORLD	3
ES 110	EARTH AND ASTRONOMICAL SCIENCE	3
HIS 275/375	UNITED STATES ENVIRONMENTAL HISTORY	3
PHI 208	ENVIRONMENTAL ETHICS	3
SOC 150	INTRODUCTION TO SOCIOLOGY	3

CHOOSE ONE OF THE FOLLOWING 3-4 crs.

BIO 303	ECOLOGY (W)	4
BIO 320	CONSERVATION BIOLOGY	3
BIO 325	FIELD BOTANY	4
BIO 335	FISH BIOLOGY AND CONSERVATION	4
BIO 350	ANIMAL BEHAVIOR	3

CHOOSE ONE OF THE FOLLOWING 3 crs.

SOC 315	COMMUNITY AND URBAN LIFE	3
SOC 357	INEQUALITY AND ENVIRONMENTAL SOCIOLOGY	3

ELECTIVES 10 crs.

Students must take at least 10 credit hours from the following list of courses without double-dipping from the courses above.

BIO 303	ECOLOGY (W)	4
BIO 320	CONSERVATION BIOLOGY	3
BIO 325	FIELD BOTANY	4
BIO 335	FISH BIOLOGY AND CONSERVATION	4
BIO 350	ANIMAL BEHAVIOR	3
ECO 333	ENVIRONMENTAL ECONOMICS	3
ENG 255	LITERATURE AND THE ENVIRONMENT	3
ENS 470	INTERNSHIP	3-4
PSI 309	PUBLIC POLICY	3
REL 355	RELIGION AND CONCERN FOR THE NATURAL ENVIRONMENT (W)	3
SOC 315	COMMUNITY AND URBAN LIFE	3
SOC 357	INEQUALITY AND ENVIRONMENTAL SOCIOLOGY	3

ENVIRONMENTAL STUDIES
MINOR REQUIREMENTS 26-29 crs.

CORE REQUIREMENTS 20 crs.

BIO 108	BIOLOGY CORNERSTONE	1
BIO 111	PRINCIPLES OF ORGANISMAL AND POPULATION BIOLOGY	5
BIO 202	SCIENTIFIC COMMUNICATION (W)	2
BIO 250	INTRODUCTION TO ENVIRONMENTAL SCIENCE	3
ES 110	EARTH AND ASTRONOMICAL SCIENCE	3
PHI 208	ENVIRONMENTAL ETHICS	3
SOC 150	INTRODUCTION TO SOCIOLOGY	3

TWO COURSES FROM THE FOLLOWING 6-9 crs.

BIO 303	ECOLOGY (W)	4
BIO 320	CONSERVATION BIOLOGY	3
BIO 325	FIELD BOTANY	4
BIO 335	FISH BIOLOGY AND CONSERVATION	4
BIO 350	ANIMAL BEHAVIOR	3
BIO 455	BIOLOGY RESEARCH METHODS	2
ENS 470	INTERNSHIP	3-4
ENS 480	INDEPENDENT STUDY	1-4
ECO 333	ENVIRONMENTAL ECONOMICS	3
ENG 255	LITERATURE AND THE ENVIRONMENT	3
PSI 309	PUBLIC POLICY	3
REL 355	RELIGION AND CONCERN FOR THE NATURAL ENVIRONMENT (W)	3
SOC 315	COMMUNITY AND URBAN LIFE	3
SOC 357	INEQUALITY AND ENVIRONMENTAL SOCIOLOGY	3
HIS 275/375	UNITED STATES ENVIRONMENTAL HISTORY	3

Environmental Studies (ENS)

ENS 280-289 3
SPECIAL TOPICS IN ENVIRONMENTAL STUDIES

ENS 380-389 3
SPECIAL TOPICS IN ENVIRONMENTAL STUDIES

ENS 470 3-8
INTERNSHIP

ENS 480 1-4
INDEPENDENT STUDY

ENS 490 2
SEMINAR IN ENVIRONMENTAL STUDIES

This course is a guided course that will present students with a variety of topics and engage them in discussion and interpretation of current topics in environmental studies. A primary goal of this course is to allow students to develop their critical thinking and communication skills while exploring specific environmental issues in more detail. Prerequisite: Instructor consent.