

# Environmental Studies

## Division of Science and Mathematics

- **B.A. Major: 48-49 hours**
- **Minor: 26-29 hours**
- **Major/minor GPA required for graduation: 2.25**

### PROGRAM REQUIREMENTS:

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

**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** **48-49 crs.**

**CORE REQUIREMENTS** **32 crs.**

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

**CHOOSE ONE OF THE FOLLOWING 3-4 crs.**

<b>BIO 303</b>	<b>ECOLOGY</b>	<b>4</b>
<b>BIO 320</b>	<b>CONSERVATION BIOLOGY</b>	<b>3</b>
<b>BIO 325</b>	<b>FIELD BOTANY</b>	<b>4</b>
<b>BIO 335</b>	<b>FISH BIOLOGY AND CONSERVATION</b>	<b>4</b>
<b>BIO 350</b>	<b>ANIMAL BEHAVIOR</b>	<b>3</b>

**CHOOSE ONE OF THE FOLLOWING 3 crs.**

<b>SOC 315</b>	<b>COMMUNITY AND URBAN LIFE</b>	<b>3</b>
<b>SOC 357</b>	<b>INEQUALITY AND ENVIRONMENTAL SOCIOLOGY</b>	<b>3</b>

**ELECTIVES 10 crs.**

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

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

**ENVIRONMENTAL STUDIES**
**MINOR REQUIREMENTS 27-30 crs.**
**CORE REQUIREMENTS 21 crs.**

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

**TWO COURSES FROM THE FOLLOWING 6-9 crs.**

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

## Environmental Studies (ENS)

<b>ENS 280-289</b> <b>SPECIAL TOPICS IN ENVIRONMENTAL STUDIES</b>	<b>3</b>
<b>ENS 380-389</b> <b>SPECIAL TOPICS IN ENVIRONMENTAL STUDIES</b>	<b>3</b>
<b>ENS 470</b> <b>INTERNSHIP</b>	<b>3-8</b>
<b>ENS 480</b> <b>INDEPENDENT STUDY</b>	<b>1-4</b>