

Environmental Science Career Exploration Track

Major Description:

You have a passion for the environment. You see your future self working outside or in a lab collecting data. Maybe you see yourself working in environmental law, education, history, or urban planning. Regardless of where your environmental interests lead you, NKU has a degree program for you.

United by our passion for the environment, NKU’s environmental science degrees focus on environmental communication, health, community, local and global issues, sustainability, water resources, and social responsibility in science.

The NKU Environmental Science degrees offer a solid foundation in the sciences and emphasize the importance of understanding the interrelationships among the humanities, social sciences, and natural sciences.

Course Plan:

Semester	Course
1 st Semester	ENV 110, INTRO TO ENVIRONMENTAL SCIENCE AND ISSUES
2 nd Semester	GLY 110, EARTH SCIENCE WITH LAB
3 rd Semester	BIO 150/L, Intro to BIO I with lab
4 th Semester	BIO 151/L, Intro to BIO II with lab

Course Descriptions:

ENV 110: Introduction to Environmental Science and Issues (3 credits)

A non-laboratory introduction to the basic tenets of environmental science and issues including: the biological and physical components of ecosystems; human impacts on the functionality of ecosystems; and the economic, political, and legal aspects of environmental decision making. A requirement for entry into the environmental science program.

General Education Credit: Natural Science

GLY 110: Earth Science with lab (4 credits)

Introduction to the core subjects of geology including the formation of minerals and rocks, Earth’s geologic history, plate tectonics, the occurrence and mitigation of natural hazards such as earthquakes, volcanoes, and landslides, and surface processes including rivers, groundwater, and climate change. Emphasis on regional geology. Field trips offered.

General Education Credit: Natural Science

BIO 150: Intro to Biology I (4 credits)

Prerequisite(s): Math ACT of 22 or higher (or equivalent placement), P in [MAT 101](#), or C- or better or higher in [MAT 102](#) or higher.

Co-requisite(s): [BIO 150L](#).

The chemistry of life; cell structure and function; photosynthesis and respiration; cellular reproduction and Mendelian genetics; gene regulation and DNA technology. Suggested only for students majoring or minoring in biological sciences, other natural sciences or other preprofessional programs.

General Education Credit: Natural Science

BIO 150L: Intro to Biology I Lab (0 credits)

Co-requisite(s): [BIO 150](#).

Laboratory to accompany [BIO 150](#).

General Education Credit: Natural Science

BIO 151: Intro to Biology II (4 cr)

Prerequisite(s): [BIO 150](#) with a C- or better.

Co-requisite(s): [BIO 151L](#).

Population genetics and evolution; systematic and diversity of life; organismal systems anatomy and physiology; interrelationships among organisms and between organisms and their environment.

BIO 151L: Intro to Biology II Lab (0 credits)

Co-requisite(s): [BIO 151](#).

Laboratory to accompany [BIO 151](#).

Links:

[Environmental Science Website](#)