

BIOLOGY FOR ENVIRONMENTAL MANAGEMENT AND CONSERVATION - MINOR

College of Arts and Sciences
Department of Biological Sciences
www.kent.edu/biology

About This Program

The Biology for Environmental Management and Conservation minor gives students an understanding of fundamental concepts as well as broader impacts of applied biology, habitat assessment, environmental management and conservation biology in terrestrial and aquatic ecosystems.

Contact Information

- Program Coordinator: **Edgar Kooijman** | ekooijma@kent.edu | 330-672-8568
- Speak with an Advisor

Program Delivery

- **Delivery:**
 - In person
- **Location:**
 - Kent Campus

Admission Requirements

Admission to a minor is open to students declared in a bachelor's degree, the A.A.B. or A.A.S. degree or the A.T.S. degree (not Individualized Program major). Students declared only in the A.A. or A.S. degree or the A.T.S. degree in Individualized Program may not declare a minor. Students may not pursue a minor and a major in the same discipline.

Program Requirements

Minor Requirements

Code	Title	Credit Hours
Minor Requirements		
BSCI 10110	BIOLOGICAL DIVERSITY (ELR) (KBS) (KLAB)	4
BSCI 30360	GENERAL ECOLOGY	4
BSCI 40374	CONSERVATION BIOLOGY (ELR)	4
BSCI 40375	ENVIRONMENTAL BIOLOGY AND MANAGEMENT	4
Biology Electives, choose from the following:		3-5
BSCI 30275	LOCAL FLORA (ELR)	
BSCI 30277	ECONOMIC BOTANY	
BSCI 30370	CLIMATE CHANGE BIOLOGY	
BSCI 40170	STREAM BIOLOGY	
BSCI 40222	INVASION BIOLOGY	
BSCI 40364	LIMNOLOGY	
BSCI 40365	FIELD METHODS IN ORNITHOLOGY (ELR)	

BSCI 40368	WETLAND ECOLOGY AND MANAGEMENT (ELR)
BSCI 40376	TROPICAL FIELD BIOLOGY AND CONSERVATION (ELR)
BSCI 40377 & BSCI 40378	PREPARATION FOR FIELD COURSE TO SOUTH AFRICA and FIELD COURSE TO SOUTH AFRICA (ELR)

Minimum Total Credit Hours:

19

Graduation Requirements

Minimum Minor GPA	Minimum Overall GPA
2.000	2.000

- Minimum 6 credit hours in the minor must be upper-division coursework (30000 and 40000 level).
- Minimum 6 credit hours in the minor must be outside of the course requirements for any major or other minor the student is pursuing.
- Minimum 50 percent of the total credit hours for the minor must be taken at Kent State (in residence).

The following Biological Sciences (BSCI) courses may NOT be used in the elective category for majors or minors in the Department of Biological Sciences:

Code	Title	Credit Hours
BSCI 10001	HUMAN BIOLOGY (KBS)	3
BSCI 10002	LIFE ON PLANET EARTH (KBS)	3
BSCI 10003	LABORATORY EXPERIENCE IN BIOLOGY (KBS) (KLAB)	1
BSCI 10005	SMALL ANIMAL ANATOMY AND PHYSIOLOGY FOR VETERINARY TECHNICIANS	4
BSCI 11010	FOUNDATIONAL ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	3
BSCI 11020	FOUNDATIONAL ANATOMY AND PHYSIOLOGY II (KBS) (KLAB)	3
BSCI 16001	HORTICULTURAL BOTANY	3
BSCI 20019	BIOLOGICAL STRUCTURE AND FUNCTION	4
BSCI 20021	BASIC MICROBIOLOGY	3
BSCI 20022	BASIC MICROBIOLOGY LABORATORY	1
BSCI 21010	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)	4
BSCI 21020	ANATOMY AND PHYSIOLOGY II	4
BSCI 26002	ECOLOGICAL PRINCIPLES OF PEST MANAGEMENT	3
BSCI 26003	PLANT IDENTIFICATION AND SELECTION I	3
BSCI 26004	PLANT IDENTIFICATION AND SELECTION II	3
BSCI 30050	HUMAN GENETICS	3
BSCI 40020	BIOLOGY OF AGING	3

Program Learning Outcomes

Graduates of this program will be able to:

1. Demonstrate knowledge about environmental management, general ecology and conservation biology.
2. Apply knowledge in the identification of plants and animals, habitat management and conservation, and their relevance to environmental management and conservation.
3. Read scientific reports and evaluate and communicate scientific data collected in the field.

4. Apply ecological theory to problems in conservation and environmental management.