



BACHELOR OF SCIENCE IN ENVIRONMENTAL BIOLOGY

AT EASTERN ILLINOIS UNIVERSITY

NAME	
E NUMBER	
CATALOG	

2025-2026

GENERAL REQUIREMENTS: 30-38 HRS

LANGUAGE: 9 HRS

Grade of "C" or better is required.

COURSE	HOURS	GRADE	SEMESTER
ENG 1001G Composition & Language	3		
ENG 1002G Composition & Language II	3		
CMN 1310G Intro. to Speech Comm.	3		

HUMANITIES/FINE ARTS: 9 HRS

COURSE	HOURS	GRADE	SEMESTER
Humanities _____	3		
Fine Arts _____	3		
Humanities or Fine Arts _____	3		

SENIOR SEMINAR: 3 HRS

Senior topic must be outside the major area. See Undergraduate Catalog for Senior Seminars outside of Biological Sciences.

COURSE	HOURS	GRADE	SEMESTER
EIU _____	3		

*SCIENCE CORE: 63-65 HRS

COURSE	HOURS	GRADE	SEMESTER
BIO 1150 Biology Forum	1		
BIO 1500 General Biology I	4		
BIO 1550G General Biology II	4		
BIO 3120 Molecular & Cell Biology	4		
BIO 3180 Ecology & Evolution	4		
BIO 3200 Genetics	4		
BIO 3510 Plant Physiology OR 3520 Animal Physiology	4		
BIO 3850 Environmental Biology	4		
BIO 4275 Internship (see back)	12		
MAT 2110G Brief Calculus OR MAT 1441G Calculus 1	3 5		

MAJOR ELECTIVES: 15HRS

A minimum of 15 hrs must be taken in Biological Sciences coursework. Choose elective course options from the courses listed.

Note: PHY 1151/52 and PHY 1161/62 recommended if planning on applying to graduate school.

- BIO 3300** (4) General Microbiology
- BIO 3322** (3) Dendrology
- BIO 3330** (4) Introduction to Botany
- BIO 3340** (4) Zoology
- BIO 3450** (1-3) Independent Study
- BIO 3451** (1-3) Undergraduate Research
- BIO 3612** (3) Plant Evolution & Diversity
- BIO 3620** (3) Functional Comparative Anatomy
- BIO 3710** (3) Plant-Animal Interactions
- BIO 3810** (3) Freshwater Ecology
- BIO 3950** (3) Vertebrate Natural History
- BIO 3952** (3) Invertebrate Natural History
- BIO 4400** (1) Teaching in the Lab
- BIO 4810** (4) Plant Ecology
- BIO 4812** (3) Fisheries Ecology & Mgmt
- BIO 4814** (3) Conservation Biology

- BIO 4816** (3) Biotic Communities
- BIO 4818** (4) Environmental Microbiology
- BIO 4820** (4) Spatial Analysis for Environmental Sciences
- BIO 4832** (4) Animal Behavior
- BIO 4840** (3) Resource Mgmt & Env. Asmnt.
- BIO 4842** (3) Wildlife Ecology Mgmt
- BIO 4940** (3) Phycology
- BIO 4942** (3) Mycology
- BIO 4944** (3) Lichens
- BIO 4946** (3) Bryology
- BIO 4948** (3) Plant Taxonomy
- BIO 4950** (3) Ichthyology
- BIO 4952** (3) Herpetology
- BIO 4954** (3) Ornithology
- BIO 4956** (3) Mammalogy

SOCIAL/BEHAVIORAL SCIENCE: 9 HRS

Must be from two different disciplines. One course must meet Cultural & Diversity requirement

COURSE	HOURS	GRADE	SEMESTER
ECN 2800G Economics of Social Issues	3		
	3		
	3		

FOREIGN LANGUAGE: 0-8 HRS

Exempt if 2 yrs in high school with "C" average.

COURSE	HOURS	GRADE	SEMESTER
WL _____ G	4		
WL _____ G	4		

SCIENCE AWARENESS: 7 HRS

Complete in major.

MATHEMATICS: 3 HRS

Complete in major.

BIO 4750 Statistic Anly of Sci Data OR MAT 2250G Elementry Statistics	4		
CHM 1310G General Chemistry I	3		
CHM 1315G General Chemistry I Lab	1		
CHM 1410 General Chemistry II	3		
CHM 1415 General Chemistry II Lab	1		
CHM 2430/2440 Organic Chemistry	3		
CHM 2435/2445 Organic Chemistry Lab	1		
PLS 4763 Environmental Politics & Policy	3		

#CHM 2440/CHM 2445 (Organic Chemistry I with Lab) and CHM 2840/CHM 2845 (Organic Chemistry II) sequence is recommended for Pre-Health or Graduate Programs.
*Additional prerequisite classes may be required. See Undergraduate Catalog

COURSE	HOURS	GRADE	SEMESTER

- BIO 4958** (4) Parasitology
- BIO 4960** (3) Wetland & Aqua. Vasc. Plants
- BIO 4964** (4) Entomology
- BIO 4984** (3) Evolutionary Biology
- ECN 3810** (3) Economics of Natural Resources
- GEO 3550** (3) Surface Water Proc. & Res
- GEO 3780** (3) Land Use Planning
- GEO 3810** (3) GIS I
- GEO 3820** (3) Remote Sensing I
- GEO 3870** (3) Remote Sensing II
- GEO 4850** (3) Environmental Geology

CHM 4750 (3) Environmental Chemistry

Courses numbered 5000-5499 inclusive, may be taken by a senior whose graduation requirements average 2.75 or higher, with the permission of the instructor and the Dean of the Graduate School.

GENERAL ELECTIVES:

Select other elective courses in ANY FIELD to complete graduation requirement of 120 semester hours.

COURSE	HOURS	GRADE	SEMESTER

COURSE	HOURS	GRADE	SEMESTER

BACHELOR OF SCIENCE IN ENVIRONMENTAL BIOLOGY

SUGGESTED 4-YEAR SEQUENCE

NOTES, QUESTIONS, MINOR REQUIREMENTS:

YEAR 1 MUST EARN 30+ SH FOR SOPHOMORE STATUS

FALL		SPRING	
ENG 1001G	3	ENG 1002G	3
BIO 1500	4	BIO 1550G	4
CHM 1310G/1315G	4	CHM 1410/1415	4
BIO 1150	1	¹ Gen Ed Elective	3
¹ Gen Ed Elective	3	² MAT Prereq	2-3
Total	15	Total	16-17

YEAR 2 MUST EARN 60+ SH FOR JUNIOR STATUS

FALL		SPRING	
CMN 1310G	3	BIO 3120	4
CHM 2430/CHM 2435	4	ECN 2800G	3
¹ Gen Ed Elective	3	BIO Elective	3
MAT 2110G	3	BIO Elective	3-4
Total	13	Total	13-14

YEAR 3 MUST EARN 90+ SH FOR SENIOR STATUS

FALL		SPRING	
BIO 3510 OR BIO 3520	4	BIO 3180	4
BIO 4750 OR MAT 2250G	4	BIO 3200	4
PLS 3763	3	BIO 3850	4
Gen Ed Elective ¹	3	BIO Elective >3000	3-4
Total	14	Total	15-16

YEAR 4 MUST EARN 120 SH TO GRADUATE

FALL		SPRING	
EIU 4XXXG	3	BIO Elective >3000	3-4
BIO 4725	12	BIO Elective >3000	3-4
		¹ Gen Ed Elective	3
		¹ Gen Ed Elective	3
		Exit Interview May not be necessary with a summer internship	
Total	15	Total	12-14

1 General Education Elective

2 See Math Placement

3 Take course that was not previously taken

The suggested schedule sequence assumes that the foreign language requirement has been completed.

Many courses have prerequisites. See Undergraduate Catalog.

BIO 4275 INTERNSHIP:

12 hours of BIO 4275 is required in the major OR 6 hours of BIO 4275 plus 6 total hours of BIO 3450 Undergraduate Research, BIO 3451 independent Study, BIO 4444 Honors Independent Study, or BIO 4555 Honors Research. Research/independent study coursework hours counted here

GRADUATION REQUIREMENTS:

<input type="checkbox"/>	120 Hours
<input type="checkbox"/>	40 SH of upper division courses (3000+)
<input type="checkbox"/>	30 SH in residence at EIU
<input type="checkbox"/>	30 SH junior-senior residency
<input type="checkbox"/>	12 SH senior residency
<input type="checkbox"/>	2.00 Cumulative GPA

<input type="checkbox"/>	2.00 Major GPA
<input type="checkbox"/>	Cultural Diversity
<input type="checkbox"/>	Application for Graduation (First semester junior year)
<input type="checkbox"/>	Electronic Writing Portfolio <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/>
	See www.eiu.edu/~assess/ for requirements