

ENVIRONMENTAL SCIENCE: BIOGEOTECHNOLOGY OPTION**Bachelor of Science (BS)**

This is a guide based on the 2025-2026 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

CURRICULUM CHECKLIST**88-92 hours – no minor required**

- ___ BY163 Evolution and Ecology (4)
- ___ BY173 Cell and Organismal Biology (4)
- ___ EV105 Environmental Biology (3)
- ___ EV106 Environmental Biology Lab (1)
- ___ EV201 Environmental Science Seminar I (1)
- ___ EV387 Introduction to Environmental Law (3)
- ___ EV401 Environmental Science Seminar II (1)
- ___ CH184 General Chemistry I Lab (1)
- ___ CH185 General Chemistry I (3)
- ___ CH186 General Chemistry II (3)
- ___ CH187 General Chemistry II Lab (1)
- ___ GO110 Physical Geology (3)
- ___ MA223 Elementary Probability and Statistics (3)
- ___ PH120/020 Introductory Physics I (5)
- ___ PL429 Environmental Ethics (3)

Choose 3-5 hours:

- ___ CH234/034 Organic and Biological Chemistry (3)
OR
- ___ CH341 Foundations of Organic Chemistry I (3)
AND
- ___ CH342 Organic Chemistry Laboratory I (2)

Choose 3-5 hours:

- ___ MA115 Integrated Precalculus A (5)
- ___ MA116 Precalculus A (3)

Choose 3 hours:

- ___ EV481-483 Internship (1-3)
- ___ EV491-493 Research (1-3)

Biogeotechnology Option – 40 hours

- ___ BY283 Genetics (4)
- ___ BY330 General Ecology (4)
- ___ EV365 Environmental Soil Science (3)
- ___ EV450 Environmental Chemistry (3)
- ___ GO460 Environmental Hydrology (3)
- ___ GT101 Introduction to Geographic Information Science I (3)
- ___ GT102 Introduction to Geographic Information Science II (3)
- ___ MI101 Introduction to Computer Applications (3)

Electives – 16 hours:

- ___ BY/EV/GO/GT 300-599
- ___ EN309 Writing for Science and Technology (3)

General Education Requirements – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)
- Civics examination

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	1	BY173/073	4
	BY163/063	4	CH186	3
	CH184	1	CH187	1
	CH185	3	EN100	3
	MA115 or MA116	3-5	EV105	3
	MI101	3	EV106	1
	Total	15-17	Total	15
	Milestone: achieve a target cumulative GPA of 3.0			
SECOND YEAR	BY283/083	4	CH234 OR CH341/342	3-5
	BY330	4	EV201	1
	MA223	3	GO110/010	3
	General Education	3	General Education	3
	General Education	3	General Education	3
	Total	17	Total	13-15
	Milestone: achieve a target cumulative GPA of 3.0			
THIRD YEAR	GT101	3	EV365	3
	EV elective	3	EV450	3
	EV elective	3	GT102	3
	EV Internship/Research	3	EV elective	3
	General Education	3	General Education	3
	Total	15	Total	15
	Milestone: achieve a target cumulative GPA of 3.0			
FOURTH YEAR	EV387	3	EV401	1
	PH120/020	5	GO460	3
	EV elective	3	PL429	3
	EV elective	2	General Education	3
	General Education	3	Elective	4
	Total	16	Total	14
	Milestone: achieve a target cumulative GPA of 3.0			

A "Milestone" signifies a significant stage for a student in the completion of a degree.

Degree requirements for all students: a minimum of 120 credit hours, completion of the General Education program, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

A minimum 2.0 GPA in the major and overall are required to graduate with a BS degree.

Revised
6/3/2025

2025-2026 *degree map*

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SAMPLE FOUR-YEAR PLAN
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