

BS Environmental Science

12 credits in the major and 9 credits in the minor must be completed at Alvernia University
When pursuing a double major, you must have 12 distinct credits between the two majors.

Semester 1	Credits	Semester 2	Credits
Diversity graduation requirement <i>cannot</i> be fulfilled through major courses; students should fulfill this with a Gen Ed class			
SRH 101: Search Seminar or HNR 160: Honor Search	3	BIO 104 – Principles of Biology II w/lab	4
MAT 131: Pre-Calculus or Gen Ed	3	CHE 105 – General Chemistry II	3
BIO 103 – Principles of Biology I w/lab	4	CHE 111 – General Chemistry Lab II	1
CHE 104 – General Chemistry I	3	MAT 230 – Calculus I	4
CHE 110 – General Chemistry Lab I	1	BIO 230 – Sustainability Principles and Practices	3
CHE 107 – Laboratory Safety	<u>1</u>	THE 105 or PHI 105	<u>3</u>
TOTAL	15	TOTAL	18
Semester 3	Credits	Semester 4	Credits
CHE 201 – Organic Chemistry I	3	CHE 202 – Organic Chemistry II	3
CHE 210 – Organic Chemistry Lab I	1	CHE 211 – Organic Chemistry Lab II	1
CHE 212 – Analytical Chemistry II	4	CHE 221 – Instrumental Analysis	4
BIO 203 – Biosphere	3	PHY 103 – Earth Science	3
MAT 209 – Probability and Statistics	3	THE 105 or PHI 105	3
CES 330 – Sustainability Field Experience (Recommended)	<u>2</u>	Gen Ed	<u>3</u>
TOTAL	16	TOTAL	17
Semester 5	Credits	Semester 6	Credits
NOTE: Math & Science students can enroll for an optional Math & Science internship for 6 credits anytime after they reach Junior standing.			
PHY 200 - Physics I w/lab	4	PHY 201 - Physics II w/lab	4
BIO 320 - Ecology with lab	4	BIO 221 - General Microbiology w/lab	4
BIO 325 – Environmental Law & Policy	3	CHE 320 - Environmental Toxicology	3
Gen Ed	3	Gen Ed	3
Gen Ed	<u>3</u>	Gen Ed	<u>3</u>
TOTAL	17	TOTAL	17
Semester 7	Credits	Semester 8	Credits
SCI 406 – Research I or SCI 480	3	BIO 205 – Botany	4
BIO 440 – Biodiversity	3	CHE 430 – Environmental Chemistry	4
SCI 402 – Senior Seminar	2	SCI 407 – Research II or SCI 480	3
Gen Ed	3	Gen Ed	3
Gen Ed	3	Gen Ed (if took MST 131)	<u>3</u>
Gen Ed	<u>3</u>		
TOTAL	17	TOTAL	17

Academic Policy on Eligibility for Participation of May Commencement Ceremony

The academic policy, which the Registrar follows, is: A student who has 6 or less credits remaining to complete the degree may participate in the May Commencement Ceremony. The Graduation Application is available online in myAlvernia on the 'Academics' tab. Seniors must submit the Graduation Application to the Registrar's Office as follows: October 1 for May Graduation; December 1 for August graduation; and March 1 for December graduation. If you have any questions, please call the Registrar's Office (610.796.8201)

Curriculum Sheets, EAB Navigate, and AUAdvise

The information on this page and the Curriculum Sheet is provided in AUAdvise - EAB Navigate as a static tool for discussion purposes when meeting with students to schedule courses. [Degree Audit uAchieve](#) remains the official source for each student's curriculum audit. Degree Audit uAchieve must be used together with the Curriculum Sheet to determine whether the information noted during scheduling meetings on the curriculum sheet remains accurate.

General Notes

- A minimum of 123 credits are required for graduation.
- Where appropriate, courses required for the major can be used to satisfy General Education requirements. However, the credits earned for these courses are applied to either Gen Ed requirements or the major, not both.
- Paths of Knowledge coursework may count towards major or minor requirements, but may not fulfill a second Mid-Level Liberal Arts Exploration requirement.
- Students are expected to follow the catalog requirements for General Education, the major, and additional requirements.
- A minor or second major within the areas listed under Paths of Knowledge automatically fulfills that area of the Gen Ed requirements.
- Students must complete 45 of their last 60 credits at Alvernia University
- Students must complete community service hours as part of the General Education Program

Degree/Major: BS ENVIRONMENTAL SCIENCE

Name: _____ Id: _____

2nd Major: _____ 3rd Major: _____ Minor: _____ 2nd Minor: _____

Matriculation Year 2024-2025 - Term: _____

GENERAL EDUCATION

Grade Notes:

Enduring Questions (12 cr)

- SEARCH Sem. Enduring Questions (3) _____
 THE 105 Foundations of Theology (3) _____
 PHI 105 Introduction to Philosophy (3) _____
 COM 101 Composition & Research (3) _____
 (C grade or better)

Exploring the Natural World (6-8)

- MAT Met in Related Area w/MAT 209 (x) _____
 (not MAT 100)
 Met in Related Area w/PHY 200 (x) _____
 (Science with Lab)

Culture & Language (9 cr)

- COM _____ (3) _____
 (not COM 100 or 101)
 World Language – 2 courses in sequence
 _____ (3) _____
 _____ (3) _____

Individuals & Communities (6 cr)

- HIS or POS _____ (3) _____
 _____ (3) _____
 (PSY, HIS, POS, SOC, SSC, or ECON)

Creative Expressions (6 cr)

- LIT _____ (3) _____
 _____ (3) _____
 (Art, Music, or Theatre)

Ethical Leaders & Followers (6 cr)

- THE/PHI _____ (3) _____
 (200-400 level)
 THE/PHI _____ (3) _____
 (ethics/morality @ 200 level)

Paths of Knowledge (9 cr @ 200-400 level in ONE path)

Path 1: Interdisciplinary Study; Path

2: Multidisciplinary Study;

Path 3: In-depth Disciplinary Study-BIOLOGY

- Met in Related w/ BIO 203 (x) _____
 Met in Related w/ BIO 205 (x) _____
 Met in Related w/ BIO 230 (x) _____

- Human Diversity: _____
 Senior Capstone: will be met with SCI 406/407
 Writing Enhanced Course: will be met with CHE 211
 Community Service Hours: Required: _____ Met: _____
 Overall GPA >= 2.00
 GPA in Major >= 2.00

Residency Requirements:

- 45 of last 60 credits
 Min 12 Alvernia credits in major
 Min 9 Alvernia credits in minor (if applicable)
 Min 123 non-remedial credits earned

ENVIRONMENTAL SCIENCE (90-95 cr)

Grade Notes:

Major (59 cr)

- CHE 104 General Chemistry I (3) _____
 CHE 105 General Chemistry II (3) _____
 CHE 107 Laboratory Safety (1) _____
 CHE 110 General Chemistry Lab I (1) _____
 CHE 111 General Chemistry Lab II (1) _____
 CHE 201 Organic Chemistry I (3) _____
 CHE 202 Organic Chemistry II (3) _____
 CHE 210 Organic Chemistry Lab I (1) _____
 CHE 211 Organic Chemistry Lab II (1) _____
 CHE 212 Analytical Chemistry (4) _____
 CHE 221 Instrumental Analysis (4) _____
 CHE 320 Environmental Toxicology (3) _____
 CHE 430 Environmental Chemistry (4) _____
 BIO 103 Principles of Biology I (4) _____
 BIO 104 Principles of Biology II (4) _____
 BIO 221 General Microbiology (4) _____
 BIO 320 Ecology (4) _____
 BIO 440 Biodiversity (3) _____
 SCI 402 Seminar (2) _____

Select:

- SCI 480 Internship () _____
 SCI 480 Internship () _____
 (must complete a total of 6 credits)

OR

- SCI 406 Research I (3) _____
 SCI 407 Research II (3) _____

Related Requirements (31-36 cr)

- PHY 103 Earth Science (3) _____
 PHY 200 Physics I (4) _____
 PHY 201 Physics II (4) _____
 MAT 209 Probability and Statistics (3) _____
 MAT 230 Calculus I (4) _____
 BIO 203 Biosphere (3) _____
 BIO 205 Botany (4) _____
 BIO 230 Sustainability Principle&Prac (3) _____
 BIO 325 Environmental Law & Policy (3) _____

Recommended:

- MAT 131 Pre-Calculus (3) _____
 CES 330 Sustainability Field Exp (2) _____

ELECTIVES (as needed)

- _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____
 _____ () _____