

Environmental Science

(Applies to Students enrolling during the Academic Year beginning in August 2026) Total Credits in Program: 128

Semester 1	Cr	Semester 2	Cr
SRH 101 Search Seminar or HNR 160 Honors Search	3	BIO 104 Principles of Biology II	4
BIO 103 Principles of Biology I	4	BIO 104L Principles of Biology II Laboratory	0
BIO 103L Principles of Biology I Laboratory	0	CHE 105 General Chemistry II	3
CHE 104 General Chemistry I	3	CHE 111L General Chemistry Laboratory II	1
CHE 110L General Chemistry Laboratory I	1	MAT 180 Calculus I	4
CHE 107 Laboratory Safety	1	MAT 180L Calculus I Recitation	0
MAT 131 Pre-Calculus or COM 101	3	THE 105 or PHI 105	3
Complete 5 hours of Community Service		Complete 5 hours of Community Service	
TOTAL CREDITS	15	TOTAL CREDITS	15
Semester 3	Cr	Semester 4	Cr
CHE 201 Organic Chemistry I	3	BIO 230 Sustainability Principles & Practices	3
CHE 210L Organic Chemistry Laboratory I	1	BIO 221 General Microbiology	4
MAT 209 Probability and Statistics	3	BIO 221L General Microbiology Laboratory	0
THE 105 or PHI 105	3	CHE 202 Organic Chemistry II	3
Gen Ed	3	CHE 211L Organic Chemistry Laboratory II	1
Gen Ed	3	CES 330 Sustainability Field Experience	2
		Gen Ed	3
Complete 5 hours of Community Service		Complete 5 hours of Community Service	
TOTAL CREDITS	16	TOTAL CREDITS	16
Semester 5	Cr	Semester 6	Cr
BIO 203 Biosphere	3	BIO 325 Environmental Law & Policy	3
CHE 212 Analytical Chemistry	4	CHE 331 Instrumental Analysis	4
CHE 212L Analytical Chemistry Laboratory	0	CHE 331L Instrumental Analysis Laboratory	0
PHY 200 Physics I	4	PHY 201 Physics II	4
PHY 200L Physics I Laboratory	0	PHY 201L Physics II Laboratory	0
Gen Ed	3	Gen Ed	3
Gen Ed	3	Gen Ed	3
Complete 5 hours of Community Service		Complete 5 hours of Community Service	
TOTAL CREDITS	17	TOTAL CREDITS	17
Semester 7	Cr	Semester 8	Cr
BIO 320 Ecology	4	BIO 205 Botany	4
BIO 320L Ecology Laboratory	0	BIO 205L Botany Laboratory	0
BIO 442 Global Change Biology	3	CHE 430 Environmental Chemistry	4
CHE 404 Advanced Organic Chemistry	3	CHE 430L Environmental Chemistry Laboratory	0
SCI 406 Research I or SCI 480 Internship	3	SCI 407 Research II or SCI 480 Internship	3
SCI 402 Seminar	2	Gen Ed	3
		Gen Ed (if took MAT 131)	3
Complete 5 hours of Community Service		Complete 5 hours of Community Service	
TOTAL CREDITS	15	TOTAL CREDITS	17

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Student Notes

- Students must enroll in courses required for second majors and minors when available, as shown in the Academic Completion Plans. Academic Completion Plans may not be accurate for declared second majors, depending upon the semester you declare. Completion of such additional major(s) could increase time to degree completion.
- You must meet with your minor advisor and consult the published Course Rotation Schedules to determine when the necessary classes are offered for your minor. You may not add additional time to degree completion beyond the completion of your major courses to complete the minor. Graduation may not be delayed after major requirements are met to complete a minor. Students making the decision to complete a minor or additional major may incur additional costs, financial aid adjustments, and elongated time to graduation (when such elongation is not prohibited by financial aid considerations).
- The Alvernia 15.4460 Graduation Policy published on Alvernia's policy webpage and the current Alvernia Course Catalog detail graduation requirements, honors at graduation, and eligibility to participate in the Commencement Ceremony.
- The Graduation Application is available on-line in myAlvernia in the 'Student Resources' tab under 'Registrar's Office'. Seniors must submit the online Graduation Application form by the following applicable date: October 1 for May Graduation; December 1 for August graduation; and March 1 for December graduation.

Advising Notes for Students, Faculty, Navigators and GAE Student Success Advisors

Course Catalogs (published on Alvernia's webpage)

Students must refer to the Course Catalog for the year they enrolled (matriculated) at Alvernia for program requirements. Students may elect to move to a later year with permission from the Department Chair and Dean by completing and submitting the published online form to the Registrar. General academic policies in the Course Catalog may be revised by Alvernia during a student's matriculation based on continuously improved practices or federal and state laws and regulations. All such changes will apply to students regardless of matriculation year.

Academic Completion Plans & Course Rotation Schedules (published on myAlvernia)

Academic Completion Plans (formerly 8-semester plans) provide the course timing by semester for each program. Course Rotation Schedules provide multi-year information listing specific course offerings by term. Courses will be scheduled based on the Academic Completion Plans and students must enroll in the specific courses listed during the semester indicated.

AUAdvise (available on myAlvernia logins)

Degree Audit uAchieve remains the official source for each student's curriculum audit and provides the opportunity to use the "what if" function to run scenarios for major changes or additions of minors.

EAB Navigate (available on myAlvernia for faculty and advisors, on app for students)

EAB Navigate is the official tool that faculty, advisors, navigators, GAE Student Success Advisors and administrators use for alerts as well as student meetings and advising session discussion notes. This tool, together with the student's degree audit from uAchieve comprise the student file that follows the student throughout their matriculation and is accessible by advisors, navigators, and other administrators for official purposes.

Additional Program Requirements and Progression Notes

Human Diversity graduation requirement cannot be fulfilled through major courses; must fulfill with a Gen Ed class.

NOTE: Students can enroll for a 6 credit Science internship (SCI 480) after they reach Junior standing with a GPA greater than or equal to 2.5