

Biology-PA

(Applies to Students enrolling during the Academic Year beginning in August 2026) Total Credits in Program: 127

Semester 1	Cr	Semester 2	Cr
SRH 101: Search Sem-Enduring Questions or HNR 160: Honor Search-Enduring Questions	3	BIO 104: Principles of Biology II	4
Gen Ed (COM 101 recommended)	3	BIO 104L: Principles of Biology II Laboratory	0
BIO 103: Principles of Biology I	4	CHE 105: General Chemistry II	3
BIO 103L: Principles of Biology I laboratory	0	CHE 111L: General Chemistry II Laboratory	1
CHE 104: General Chemistry I	3	MAT 180: Calculus I	4
CHE 110L: General Chemistry I laboratory	1	THE 105 or PHI 105	3
CHE 107: Laboratory Safety	1	Gen Ed (PSY 101 recommended)	3
8 Community Service Hours		8 Community Service Hours	
TOTAL CREDITS	15	TOTAL CREDITS	18
Semester 3	Cr	Semester 4	Cr
CHE 201: Organic Chemistry I	3	BIO 221: General Microbiology	4
CHE 210L: Organic Chemistry I Laboratory	1	BIO 221L: General Microbiology Laboratory	0
MAT 209: Probability and Statistics	3	CHE 202: Organic Chemistry II	3
MAT 220: Math/Statistics Computer Lab	1	CHE 211L: Organic Chemistry II Laboratory	1
Gen Ed Search or THE 105/PHI 105	3	BIO 108: Anatomy and Physiology II	3
BIO 107: Anatomy and Physiology I	3	BIO 118L: Anatomy and Physiology Laboratory	1
BIO 117L: Anatomy and Physiology I Laboratory	1	Gen Ed SEARCH	3
Gen Ed	3	Gen Ed SEARCH	3
8 Community Service Hours		8 Community Service Hours	
TOTAL CREDITS	18	TOTAL CREDITS	18
Semester 5	Cr	Semester 6	Cr
BIO 303: Genetics	3	BIO 304: Cell Biology	3
BIO 309L: Genetics Laboratory	1	BIO311L: Cell Biology Laboratory	1
PHY 200: Physics I	4	PHY 201: Physics II	4
PHY 200L: Physics I Laboratory	0	PHY 201L: Physics II Laboratory	0
BIO 320: Ecology	4	Gen Ed SEARCH	3
BIO 320L: Ecology Laboratory	0	Gen Ed SEARCH	3
Gen Ed SEARCH	3	Gen Ed SEARCH	3
Gen Ed SEARCH	3		
8 Community Service Hours			
TOTAL CREDITS	18	TOTAL CREDITS	17
Semester 7	Cr	Semester 8	Cr
PA 505: Fundamental of Disease States	5		
PA 510: Professional Practices I	2		
PA 515: Professional Practices II	1		
PA 520: Fundamentals of Dermatology	4		
PA 525: Fundamentals of Hematology	3		
PA 530: Fundamentals of Neurology	4		
TOTAL CREDITS	19	TOTAL CREDITS	0

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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 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

Diversity graduation requirement cannot be fulfilled through major courses; students should fulfill this with a Gen Ed Class.

***Math & Science students can enroll for an optional Math & Science Internship for six (6) credits any time after they reach "Junior" status.

Courses in 7th semester are applied towards the BS in Biology. The BS in Biology is awarded after the 7th semester.

Please refer to the Undergraduate Course Catalog for progression requirements for assured admission.