

BS Biology

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 cannot be fulfilled through major courses; students should fulfill this with a Gen Ed class			
SRH 101: Search Sem-Enduring Questions or HNR 160: Honor Search-Enduring Questions COM 101 or MAT 131 BIO 103: Principles of Biology w/ lab I CHE 104: General Chemistry I CHE 110: General Chemistry Lab I CHE 107: Laboratory Safety TOTAL	3 3 4 3 1 <u>1</u> 15	BIO 104: Principles of Biology w/ lab II CHE 105: General Chemistry II CHE 111: General Chemistry Lab II MAT 230: Calculus I COM 101 or THE 105/PHI 105 TOTAL	4 3 1 4 <u>3</u> 15
Semester 3	Credits	Semester 4	Credits
CHE 201: Organic Chemistry I CHE 210: Organic Chemistry Lab I MAT 209: Probability and Statistics MAT 220: Math/Statistics Computer Lab Gen Ed Search or THE 105/PHI 105 (if both were not taken) Gen Ed SEARCH TOTAL	3 1 3 1 3 <u>3</u> 14	BIOLOGY ELECTIVE BIO 221: General Microbiology w/lab CHE 202: Organic Chemistry II CHE 211: Organic Chemistry Lab II Gen Ed SEARCH Gen Ed SEARCH TOTAL	3-4 4 3 1 3 <u>3</u> 17-18
***Math & Science students can enroll for an optional Math & Science Internship for six (6) credits any time after they reach "Junior" status.			
Semester 5	Credits	Semester 6	Credits
BIO 303: Genetics BIO 309: Genetics Lab BIOLOGY ELECTIVE PHY 200: Physics I w/lab Gen Ed SEARCH Gen Ed SEARCH TOTAL	3 1 3-4 4 3 <u>3</u> 17-18	BIO 304: Cell Biology BIO 311: Cell Biology Lab BIOLOGY ELECTIVE PHY 201: Physics II w/lab Gen Ed SEARCH TOTAL	3 1 3-4 4 3 14-15
Semester 7	Credits	Semester 8	Credits
BIO 320: Ecology BIOLOGY ELECTIVE SCI 406: Research I or SCI 480: Internship Gen Ed SEARCH Gen Ed SEARCH TOTAL	4 3-4 3 3 <u>3</u> 16-17	BIOLOGY ELECTIVE SCI 402: Seminar SCI 407: Research II or SCI 480: Internship Gen Ed SEARCH Gen Ed SEARCH TOTAL	3-4 2 3 3 <u>3</u> 14-15

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 MidLevel 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 BIOLOGY

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 (x) _____
(not MAT 100)
- _____ Met in Related Area (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)

- Met in Related Requirements (x) _____
- Met in Related Requirements (x) _____
- Met in Related Requirements (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 \geq 2.00
- GPA in Major \geq 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

BIOLOGY (79-88 cr)

Major (32 cr)

- BIO 103 Principles of Biology I (4) _____
- BIO 104 Principles of Biology II (4) _____
- BIO 221 General Microbiology (4) _____
- BIO 303 Genetics (3) _____
- BIO 304 Cell Biology (3) _____
- BIO 309 Genetics Lab (1) _____
- BIO 311 Cell Biology Lab (1) _____
- BIO 320 Ecology (4) _____
- 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) _____

Major Electives (14-20 cr)

Choose 14-20 cr from: (BIO 115/116) or (BIO 107/117 & 108/118), 200, 203, 205, 208, 211, 216, 315, 324, 401, 405, 409, 410, 430; CHE 401/410

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

Related Requirements (33 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) _____
- MAT 209 Probability & Statistics (3) _____
- MAT 220 Mat Comp/Statistics Lab (1) _____
- MAT 230 Calculus I (4) _____
- PHY 200 Physics I (4) _____
- PHY 201 Physics II (4) _____

Recommended:

- MAT 131 Pre-Calculus (3) _____

ELECTIVES (as needed)

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