B.S. Biochemistry

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**	3	CHE 105 – General Chemistry II	3
HNR 160: Honor Search-Enduring Questions		CHE 111L – General Chemistry Lab II	1
BIO 103 – Principles of Biology w/ lab	4	BIO 104 - Principles of Biology II w/lab	4
CHE 104 - General Chemistry I	3	MAT 230 – Calculus I	3
CHE 110L – General Chemistry Lab I	1	THE 105/PHI 105	3
CHE 107 – Laboratory Safety	1		
MAT 131 or Gen Ed	3		
TOTAL	**15**	**TOTAL**	**14**

Semester 3	Credits	Semester 4	Credits
CHE 201 – Organic Chemistry I	3	CHE 202 – Organic Chemistry II	3
CHE 210L – Organic Chemistry Lab I	1	CHE 211L–Organic Chemistry Lab II	1
PHY 200 –Physics I with lab	4	PHY 201 – Physics II with lab	4
MAJOR ELECTIVE	3-4	Gen Ed	3
THE 105/PHI 105	3	Gen Ed	3
COM 101	3	Gen Ed	3
TOTAL	**17-18**	**TOTAL**	**17**

Semester 5	Credits	Semester 6	Credits
Math & Science students can enroll for an optional Math & Science internship for 6 credits any time after they reach Junior standing.			
BIO 303/309L – Genetics w/ lab	4	BIO 304/311L - Cell Biology w/lab **or** Gen Ed	3-4
MAT 209 – Probability & Statistics	3	BIO 221–Gen. Microbiology w/lab	4
MAT 220 – Math/Statistics Computer Lab	1	Gen Ed	3
Gen Ed	3	Gen Ed	3
Gen Ed	3	Gen Ed	3
Gen Ed	3		
TOTAL	**17**	**TOTAL**	**16-17**

Semester 7	Credits	Semester 8	Credits
CHE 401 - Biochemistry	3	SCI 402 – Senior Seminar	2
CHE 410L – Biochemistry Lab	1	SCI 407 – Research II **or** SCI 480 Internship	3
CHE 301 – Physical Chemistry I	3	CHE 302 – Physical Chemistry II	3
CHE 310L– Physical Chemistry I lab	1	CHE 311L – Physical Chemistry II Lab	1
SCI 406 – Research I **or** SCI 480 Internship	3	Elective	3
Elective **or** BIO 409 (if BIO 304/311L was not taken)	3	Elective	3
Elective	3		
TOTAL	**17**	**TOTAL**	**15**

NOTES:

· 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.

· Minors must be declared by the time specified in the current Alvernia Course Catalog and you must meet with your *minor advisor* to determine when the necessary classes are offered since you may not add additional time to degree completion beyond the completion of your major courses to complete the minor.

· The Alvernia 15.4460 Graduation Policy 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 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.**

Additional Curriculum Information Resources

Course Catalogs

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 and notice 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

Academic Completion Plans (formerly 8-semester plans) provide the course timing by semester for each program. Courses will be scheduled based on the Academic Completion Plans and students must enroll in the specific courses listed during the semester indicated.

AUAdvise

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

EAB Navigate is the official tool that faculty, advisors, navigators, 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.