

2025 Academic Completion Plan

(Applies to Students enrolling during the Academic Year beginning in August 2025)

BS Computer Science

Semester 1	Credits	Semester 2	Credits
Diversity graduation requirement cannot be fulfilled through major courses; students should fulfill this with a Gen Ed SEARCH class. Writing Enhanced graduation requirement cannot be fulfilled through major courses; students should fulfill this with a Gen Ed SEARCH class			
SRH 101: Search Sem-Enduring Questions or HNR 160: Honor Search-Enduring Questions THE 105 or PHI 105 CS 115: Intro to Programming CS 120: Intro to IT MAT 131 Pre-calculus or Gen Ed if MAT 131 is not needed.	3 3 3 3 <u>3</u>	CS 155: Object-Oriented Programming CS 162: Database Systems MAT 230: Calculus I THE 105 or PHI 105 Gen Ed	3 3 4 3 <u>3</u>
TOTAL	15	TOTAL	16
Complete 5 hours of Community Service		Complete 5 hours of Community Service	
Semester 3	Credits	Semester 4	Credits
AI 101: AI Tools and Technologies CS 140: Introduction to Networking CS 212: Project Management MAT 250: Discrete Mathematics Gen Ed (Foreign Language suggested)	3 3 3 3 <u>3</u>	AI 103 Foundations of AI I CS 220: Data Structures and Algorithms MAT 209: Probability & Statistics Gen Ed (Foreign Language suggested) Gen Ed	3 3 3 3 <u>3</u>
TOTAL	15	TOTAL	15
Complete 5 hours of Community Service		Complete 5 hours of Community Service	
Semester 5	Credits	Semester 6	Credits
AI 210: Efficient Model Engineering CS 310: Operating Systems CS 320: Algorithm Design and Analysis Gen Ed (Lab Course Suggested) Gen Ed	3 3 3 4 <u>3</u>	AI 220: Python for Scalable AI Systems CS Elective Gen Ed (MAT if MAT 131 was not needed) Gen Ed Elective	3 3 3 3 <u>3</u>
TOTAL	16	TOTAL	15
Complete 5 hours of Community Service		Complete 5 hours of Community Service	
Semester 7	Credits	Semester 8	Credits
AI 305: Applied M.L. & Model Validation CS 417: Governance, Risk, and Compliance SCI 406: Research I or SCI 480: Internship Gen Ed Gen Ed	3 3 3 3 <u>3</u>	CS 420: Computer Science Seminar CS Elective SCI 407: Research II or SCI 480: Internship Gen Ed Elective	3 3 3 3 <u>3</u>
TOTAL	15	TOTAL	15
Complete 5 hours of Community Service		Complete 5 hours of Community Service	

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) provides 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.