Eight Semester Plan BS Computer Science

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 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	3	CS 155: Object-Oriented Programming	3
		MAT 230: Calculus I	4
CS 115: Intro to Programming	3	THE 105 or PHI 105	3
CS 120: Intro to IT	3	Gen Ed	3
THE 105 or PHI 105	3	Gen Ed	3
MAT 131 Pre-calculus or Gen Ed if MAT 131 is not needed.	3		
TOTAL	15	**TOTAL**	16
Semester 3	**Credits**	**Semester 4**	**Credits**
CS 210: Computer Organization & Assembly Language	3	CS 220: Data Structures and Algorithms	3
		MAT 231: Calculus II	4
MAT 250: Discrete Mathematics	3	Gen Ed	3
MAT 209: Probability & Statistics	3	Gen Ed	3
Gen Ed	3	Gen Ed	3
Gen Ed	3		
TOTAL	15	**TOTAL**	16
Semester 5	**Credits**	**Semester 6**	**Credits**
CS 310: Operating Systems	3	CS 345: E-Commerce	3
CS 320: Algorithm Design & Analysis	3	CS Elective	3
CS Elective	3	Gen Ed (MAT if MAT 131 was not needed)	3
Gen Ed	4	Gen Ed	3
Gen Ed	3	Elective	3
TOTAL	16	**TOTAL**	15
Semester 7	**Credits**	**Semester 8**	**Credits**
CS 400: Database Systems	3	CS 425: Software Development	3
CS Elective	3	CS 420: Computer Science Seminar	3
SCI 406: Research I **or** SCI 480: Internship	3	SCI 407: Research II **or** SCI 480: Internship	3
Gen Ed	3	CS Elective	3
Elective	3	Elective	3
TOTAL	15	**TOTAL**	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)