

Suggested Course Sequence – B. S. in Computer Science - AY 09-10

This is a **sample** sequence of courses and should only be used as a guide for establishing your schedule. Keep in mind that requirements do change from year to year. The Undergraduate Bulletin (the year you matriculated) is used to establish the specific requirements for the degree.

Fall	Freshman	Spring	
CS114 (Computer Prog. I)	4	CS115 (Computer Prog. II)	4
M144 (Calculus I)	4	M145 (Calculus II)	4
AUCA (AUC Arts)	3	Humanities ¹	3
FYS100 or 100W(First Year Seminar)	3	RPW110	3
DIA100 (Freshman Dialog P/F)	1		
<i>Total Credits</i>	15	<i>Total Credits</i>	14

Fall	Sophomore	Spring	
CS211 (Arch. & Assembly Lang.)	4	CS220 (Data Structures)	3
M221W (Discrete Math I)	4	ECE231 (Digital System Logic)	3
RPW210	3	ECE232 (Digital Laboratory)	1
Humanities ¹	3	AUCC (AUC Culture)	3
		Social Science-Diversity ²	3
		Arts ³ or Humanities ¹	3
<i>Total Credits</i>	14	<i>Total Credits</i>	16

Fall	Junior	Spring	
CS 340 (Formal Lang. and Aut. Theory)	3	CS320 (Programming Languages)	3
Lab Science ⁴	4	CS Elective	3
AUCW (AUC Western Heritage)	3	M 260 (Data Analysis)	4
Writing-Designated Elective ²	3	Lab Science ⁴	4
Social Science-Citizenship/Community ²	3		
<i>Total Credits</i>	16	<i>Total Credits</i>	14

Fall	Senior	Spring	
CS360 (Software Development)	3	CS451 (Operating Systems)	3
CS Elective	3	M/CS Elective	3-4
M 220 (Linear Algebra)	3	CS Elective	3
AUCS (AUC Social Context)	3	Lab Science ⁴	4
General Elective	3	General Elective	3
<i>Total Credits</i>	15	<i>Total Credits</i>	16-17

Notes:

- ¹ Humanities electives from 3 different disciplines: literature, foreign language, history, and philosophy.
- ² Social Science electives from 2 different disciplines: economics, politics, psychology, and sociology.
- ³ Arts elective from: art history, music, cinema, or drama.
- ⁴ Lab Science for B.S. in CS: BIO122-123 or CH110-111 or PHY112-113 plus one more 4-credit lab science.

- An AUC course may be used to fulfill one requirement among Arts, Humanities, or Social Science.
- Minimum overall average in major: 2.33, all courses in major must be for letter grade (no P/NP).
- A&S requires a minimum of 120 credit hours for graduation.
- Current base programming language for the CS department is Java.
- Students that transfer to CS may have a different set of requirements based on their work at other institutions.