

Suggested Course Sequence – B. S. in Computer Science

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	
AUCW (AUC Western Heritage)	3	AUCA (AUC Arts)	3
RLC110 (Reading & Writing I)	3	RLC111 (Reading & Writing II)	3
M144 (Calculus I)	4	M145 (Calculus II)	4
CS114 (Computer)	4	CS115 (Computer Prog.)	4
DIA 100 (Dialogue)	1		

Fall	Sophomore	Spring	
M221 (Discrete Math I)	4	CMM115 (Communications)	3
CS211 (Arch. & Assembly Lang.)	4	AUCC (AUC Culture)	3
PHI110 (Philosophy)	3	CS220 (Data Structures)	3
ECE231 (Digital)	3	M260 ♦ (Data Analysis)	4
ECE232 (Lab)	1	Lab Science	4

Fall	Junior	Spring	
CS Elective ③	3	M220 ♦ (Linear Algebra)	3
CS340 ♦ (F. Lang & Automata)	3	Lab Science ① ♦	4
Lab Science ① ♦	4	CS320 (Programming Languages)	3
ENG140 or Foreign	3	CS360 (Software Devel.)	3
HIS 110 or 111	3	POL 100	3

Fall	Senior	Spring	
CS Elective ③	3	M/CS Elective ②	3-4
CS Elective ③	3	CS451 (Operating Systems)	3
AUCS (AUC Social Context)	3	Social Science Elective	3
Two General	6-8	Two General Electives	6-8

① Sci. for sci. major: BIO122-123 or CH110-111 or PHY112-113 plus one

more 4-credit lab science course.

- ② One upper level mathematics or computer science course.
- ③ One of three upper level computer science courses.
- ◆ This requirement differs from the B. A. in CS. The B. S. requires 3 lab science courses (two of which are sequential sciences for the science major), M260, M220, and CS340. The B. A. requires 2 lab science courses (can be non-sequential), no M260, M220 or CS340 – however an extra Arts course must be taken.
 - Computer science majors must take two writing intensive courses.
 - Minimum overall average in major: 2.33, all courses in major must be for letter grade (no P/NP).
 - A & S requires 120 credit hours for graduation.
 - Current base language for the department is C++.
 - Students that transfer to CS may have a different set of requirements based on their work at other institutions.