

Suggested Course Sequence – B. A. 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 Prog. I)	4	CS115 (Computer Prog. II)	4
DIA100 (Freshman Dialog)	1		

Fall	Sophomore	Spring	
M221 (Discrete Math I)	4	CMM115 (Communications)	3
CS211 (Arch. & Assembly Lang.)	4	AUCC (AUS Culture)	3
PHI110 (Philosophy)	3	CS220 (Data Structures)	3
ECE231 (Digital System Logic)	3	Two General Electives	6-8
ECE232 (Digital)	1		

Fall	Junior	Spring	
ENG140 or For. Lang. Lit.	3	Lab Science ♦	4
Lab Science ♦	4	CS320 (Programming Languages)	3
CS Elective ③	3	POL100 (Politics)	3
HIS100 or 101 (History)	3	Arts Elective ① ♦	3
General Elective	3-4	CS360 (Software Development)	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 Electives	6	Two General Electives	6

Notes:

- ① An Arts course from: ART100, 210,211,212,HLM100, CIN150 or DRA160 (an A&S “arts” requirement)
- ② One upper level mathematics or computer science course.
- ③ One of three upper level computer science courses.
- ◆ This requirement differs from the B. S. 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 Taken for a letter grade (no P/NP)
 - A&S requires 120 credits for graduation.
 - Current base language for the department is C++.
 - Students who transfer to CS may have a different set of requirements based on their work at other institutions.