Suggested Course Sequence – B. A. in Computer Science - AY 23-24

This is a sample sequence of courses and should only be used as a guide for establishing your schedule.

Fall	**Freshman**	Spring	
CS 114 (Fund. of Computing I)	4	CS 115 (Fund. of Computing II)	4
M 144 (Calculus I)	4	WRT 110W (Academic Writing I)	3
UISA (Artistic and Creative Expression)[8]	3	Humanities Elective[1,4,5]	3
FYS 100P (First Year Seminar)	3	Social Science Elective[2,4]	3
US 190 (FY Success Seminar)	1	UISC (Cultural & Hist. Interprétation)[8]	3
Total Credits	15	*Total Credits*	16

Fall	**Sophomore**	Spring	
CS 211 (Arch. & Assembly Lang.)	4	CS 320 (Programming Languages)	3
CS 220P (Data Structures)	3	CS Elective[7]	3
M 221W (Discrete Math I)	4	UISS (Social Context and Change)[8]	3
WRT 210W (Foundations of Argument)	3	Humanities Elective[1,4,5]	3
		Arts Elective[3,4,5]	3
		CRD 200 (Career Preparation)	1
Total Credits	14	*Total Credits*	16

Fall	**Junior**	Spring	
CS Elective[7]	3	CS Elective[7]	3
Lab Science Elective[6]	4	Lab Science Elective[6]	3
Humanities Elective[1,4,5]	3	Social Science Elective[2,4]	4
UIST (Natural, Scientific, and Tech. Expl.)[8]	3	General Elective	3
LBC Elective (Learning Beyond the Classroom)[9]	0-3	General Elective	3
Total Credits	13-16	*Total Credits*	16

Fall	**Senior**	Spring	
CS Elective[7]	3	CS 460W (Software Development)	3
General Elective	3	CS Elective[7]	3
General Elective	3	General Elective	3
General Elective	3	General Elective	3
General Elective	3	General Elective	0-3
Total Credits	15	*Total Credits*	12-15

Notes:

[1] Humanities electives from 3 different disciplines: literature (ENG, but not writing classes), foreign language (ARA, FR, GER, HBR, ITA, SPA), history (HIS), and philosophy (PHI).

[2] Social science electives from 2 different disciplines: economics (EC), politics (POL), psychology (PSY), and sociology (SOC).

[3] Arts elective from: art history (ART), music history (HLM), cinema (CIN), or drama (DRA).

[4] One Diversity and one Community/Citizenship from Humanities, Social Science, and Arts electives.

[5] Students who are pursuing a double major may use a UIS course to fulfill one requirement among the arts and humanities category.

[6] Lab science electives from biology (BIO), chemistry (CH), physics (PHY), or science(SCI). One laboratory course may be a 4-credit, college-approved UIST course.

[7] 15 credits from the courses listed below, including at least 9 credits of CS courses at the 300 level or above, with at least one course taken in two of the three breadth areas: (1) Systems: CS 353, CS355, CS451, CS455, ECE 231/232; (2) Applications: CS275, CS 280, CS351, CS365, CS368, CS371, CS375, CS 380, HCID 220P, HCID 230, HCID 370; (3) Theory: CS340, CS342, M220, M222W. CS 330, 331, and CS 290, 291, 390, 391, 490, 491 will be assigned to one of the three breadth areas based on course content and as approved by the Department Chair.

[8] One Diversity designated course from UIS (University Interdisciplinary Studies) electives.

[9] LBC elective is internship, practicum, student teaching placement, preceptorship, honors thesis, independent research, study abroad, teaching assistantship, service learning/civic or community engagement.

- Minimum overall average in major: 2.25. All courses in the major must be for letter grade (no P/NP).
- A&S requires a minimum of 120 credit hours for graduation.