

Program Completion Plan (Eight Semester Plan)

Department: Computer Science Degree: BS
 Program/Major: Computer Science
 Track/Emphasis: N/A
 Does this program require a minor? (Yes/No) No

Important program information in the online *Undergraduate Bulletin*:

UCA Core Requirements:

Degree Requirements:

Program Description:

Course Descriptions:

This degree program requires a total of 120 semester credit hours, including at least 40 upper-division credit hours.

Year 1

Fall – Semester 1 (credit hours: 15)¹

SUBJ	NUM	TITLE	SCH	ACTS
CSCI	1470	Computer Science I	4	
MATH	1491 or 1496	Applied Calculus for Life Sciences or Calculus I	4	MATH2405
WR TG	1310	Introduction to College Writing	3	ENGL1013
		Lab Science Course ²	4	acts link

Spring – Semester 2 (credit hours: 16)¹

SUBJ	NUM	TITLE	SCH	ACTS
CSCI	1480	Computer Science II	4	
MATH	2311	Statistical Methods I	3	MATH2103
WR TG ENGL	1320 1320	Academic Writing and Research or Interdisciplinary Writing and Research or Other approved alternative	3	ENGL1023 ENGL1023
		Lower Division UCA Core Course ¹	3	core link
		Lower Division UCA Core Course: First Year Seminar ¹	3	core link

Year 2

Fall – Semester 3 (credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
CSCI	2320	Data Structures	3	
CSCI	2440	Assembly Language and Computer Organization	4	
MATH	2330	Discrete Structures I	3	
		Lower Division UCA Core Course ¹	3	core link
		Lower Division UCA Core Course ¹	3	core link

Spring – Semester 4 (credit hours: 15)

SUBJ	NUM	TITLE	SCH	ACTS
CSCI	3370	Principles of Programming Languages	3	
CSCI	3380	Computer Architecture	3	
MATH	3330	Discrete Structures II	3	
		Lower Division UCA Core Course ¹	3	core link
		Lower Division UCA Core Course ¹	3	core link

Year 3**Fall – Semester 5 (credit hours: 15)**

SUBJ	NUM	TITLE	SCH	ACTS
		Lab Science Course ²	4	acts link
CSCI	3190	Social Implications of Technology	1	
CSCI	3330	Algorithms	3	
CSCI	3360	Database Systems	3	
		Lower Division UCA Core Course ¹	3	core link
		General Elective Course	1	

Spring – Semester 6 (credit hours: 16)

SUBJ	NUM	TITLE	SCH	ACTS
		Lab Science Course ²	4	
CSCI	3381	Object Oriented Programming Languages	3	
		Computer Science Elective ³	3	
MATH	3311	Statistical Methods II	3	
MATH	3320	Linear Algebra	3	

Year 4**Fall – Semester 7 (Credit hours: 15)**

SUBJ	NUM	TITLE	SCH	ACTS
CSCI	4490	Software Engineering	3	
CSCI		Computer Science Elective ³	3	
	X3XX	General Elective Course	3	
	X3XX	General Elective Course	3	
	X3XX	General Elective Course	3	

Spring – Semester 8 (Credit hours: 12)

SUBJ	NUM	TITLE	SCH	ACTS
CSCI	4300	Operating Systems	3	
CSCI	4191	Seminar	1	
CSCI		Computer Science Elective ³	3	
		General Elective Course	3	
		General Elective Course	2	

SIGNED – DEPARTMENT CHAIR

DATE

SIGNED – COLLEGE DEAN

DATE

To be completed by the advisor when an Eight-Semester Plan is accepted by the student:

If applicable, has student selected a minor? Type “x” as appropriate. _____ No _____ Yes

If “yes,” specify: _____

Notes

¹ See appropriate choices, alternatives, or substitutions under “UCA Core” in the *Undergraduate Bulletin*. Prior to completion of 30 semester hours, a student must complete a UCA Core course designated as a First-Year Seminar (FYS) in Critical Inquiry, Diversity, or Responsible Living.

² This degree program requires a minimum of 12 credit hours in Lab Sciences in Biology, Chemistry, and Physics. Course sets that satisfy the requirement include BIOL 1440 and 1441 (Biology I and II), CHEM 1450 and 1451 (College Chemistry I and II), PHYS 1410 and 1420 (College Physics I and II), and PHYS 1441 and 1442 (University Physics I and II). A student must take a sequence (8 credits) from one of the three subject areas and one course from an area outside of the sequence.

³ Computer Science Electives may be chosen from CSCI 3335, 3345, 3350, 3375, 3385, 4195, 4295, 4310, 4315, 4320, 4340, 4345, 4350, 4353, 4355, 4360, 4365, 4370, 4390, and 4395.