

Requirements effective Fall 2024 for class of 2026+

Department of Mathematics and Computer Science

COMPUTER SCIENCE MAJOR Checklist

Student:

Department Requirements

Course	Taken Quarter/Year	Course	Taken Quarter/Year	Course	Taken Quarter/Year
CSCI 10 & L		MATH 14		MATH 122	(3)
CSCI 60 & L		CSEN 20 & L		CSEN 177 & L	(4)
CSCI 61		ESEN 21 & L		CSCI Emphasis I	(5)
CSCI 62		MATH 51		CSCI Emphasis II	(6)
MATH 11		MATH 53		CSCI Emphasis III	(7)
MATH 12		CSCI 161	(1)	CSCI Emphasis IV	(8)
MATH 13		CSCI 163	(2)	CSCI Emphasis V	(9)

* Five 4- or 5-unit upper-division courses in one of the following emphases.

Algorithms and Complexity Emphasis: CSCI 162, CSCI 164

Two more courses from CSCI 146, 147, 165, 181, MATH 101, 175, 176, 177, 178

One more course from the list above or any other additional 4-5 unit upper-division CSCI course below 190 or CSEN course below 188

Data Science Emphasis: CSCI 183, 184, 185

Two more courses from CSCI 127, 146, 147, 164, 166, MATH 123, CSEN 166, or any other additional 4-5 unit upper-division CSCI course below 190 or CSEN course below 188

Security Emphasis: MATH 178, CSCI 180, CSCI 181

Two more courses from MATH 175, CSEN 152 and 152L, CSEN161 and 161L, CSEN146 and 146L, or any other additional 4-5 unit upper-division CSCI course below 190 or CSEN course below 188

Software Emphasis: CSCI 169, CSCI 187, CSEN 146 and 146L

One more course from CSCI 183, 180, 168, or any other additional 4-5 unit upper-division CSCI course below 190

One other course from CSCI 183, 180, 168, CSEN161, 178 or any other additional 4-5 unit upper-division CSCI course below 190 or CSEN course below 188

College and University Requirements:

Course	Taken Quarter/Year	Course	Taken Quarter/Year	Course	Taken Quarter/Year
CTW 1		Natural Science		Culture&Ideas III	(12?)
CTW 2		Rel Theol Culture		Civic Engag.	
Adv Wrtg	(11?)	Rel Theol Culture		Elective	(11?)
Ethics		Rel Theol Culture	(10)	Elective	(12?)
Diversity		Social Science		Elective	
Arts		Culture&Ideas I		Elective	
Language I		Culture&Ideas II		Elective	
Language II		ELSJ	(11?)	(Elective)	

*** One of ANTH 1, PHYS 31, CHEM 11 and 11T, or ENVS 21 for class of 2027 or earlier;

*** One of PHYS 31, CHEM 11, ENVS 21 or ENVS 23 for class of 2028 or later

PATHWAY NAME:

Pathway Courses: 1 _____ 2 _____ 3 _____ 4 _____

NOTE: A student must take at least 12 Upper Division courses as noted below. These courses are noted in

Class Status: First Year: 44 units (11 courses); Sophomore: 88 units; Junior: 131 units; Senior: 175 units

Graduation Requirements: 1) 175 units; 2) 60 Upper Division units (at least 12-15 courses); 3) 2.0 GPA overall; 4) 2.0 GPA in major/minor; 5) Residency

Check University Bulletin for complete information.