Computer Science B.S. Degree — Requirements 2020-21

See handbook.cs.utah.edu for complete details and additional restrictions.

Questions? Contact a CS Academic Advisor: book appointment or ugrad-help@cs.utah.edu.

	Course	Title	Credits	Designation	Notes	Planned Semester	DV choose 1	IR choose 1	3000+ choose 2
GENERAL EDUCATION	WRTG 2010	*Intermediate Writing*	3	WR2	†				
	WRTG 3014 or 3015		3	CW	†				
	_____	_____	3	AI	†				
	_____	_____	3	FF	†◁		☐	☐	☐
	_____	_____	3	FF	†◁		☐	☐	☐
	_____	_____	3	HF	†◁		☐	☐	☐
	_____	_____	3	HF	†◁		☐	☐	☐
	_____	_____	3	BF	†◁		☐	☐	☐
	_____	_____	3	BF	†◁		☐	☐	☐
PRE-MAJOR	CS 1030	*Foundations of CS*	3		▲				
	CS 1410	*Intro to OOP*	4						
	CS 2420	*Intro to Algs & DS*	4						
	MATH 1210	*Calculus I*	4	QR	★†				
	MATH 1220	*Calculus II*	4	QR	★†				
MATH/SCI.	CS 3130	*Eng Prob & Stats*	3	QI					
	MATH 2270	*Linear Algebra*	4	QR					
	PHYS 2210	*Physics for Sci&Eng*	4	SF	†				
	_____	_____	3		❊†◁				
	_____	_____	3		❊†◁				
CS REQ.	CS 2100	*Discrete Structures*	3		▽				
	CS 3500	*Software Practice I*	4						
	CS 3505	*Software Practice II*	3						
	CS 3810	*Computer Org*	4	QI					
	CS 4150	*Algorithms*	3	QI					
	CS 4400	*Computer Systems*	3	QI					
CS ELECTIVES	CS _____	_____	3		✪◁				
	CS _____	_____	3		✪◁				
	CS _____	_____	3		✪◁				
	CS _____	_____	3		✪◁				
	CS _____	_____	3		✪◁				
	CS _____	_____	3		✪◁				
	CS _____	_____	3		✪◁				
THEORY RESTRICTED ELECTIVE	Choose CS 3100 (Fa) or CS 3200 (Sp)								
	CS _____	_____	3						
SENIOR CAPSTONE REQUIREMENT	Choose CS 4000, 4500 (Project) or CS 4940, 4970 (Thesis)								
	CS _____	_____	3						
	CS _____	_____	3		‡				

113 total credits⊗

† Honors options available see honors.utah.edu

◁ 4 credit options accepted

▲ Waivable requirement see First CS Course

★ Engineering Calculus, MATH 1310 and 1320, also accepted

❊ Fill in with math, science, or engineering courses that have MATH 1220 as pre- or co-requisite. BIOL 1610 and CHEM 1210 also accepted — *see handbook.cs.utah.edu for choice restrictions*

✪ Fill in with 3000+ level CS courses — *see handbook.cs.utah.edu for choice restrictions and alternatives*

▽ MATH 2200 also accepted

‡ Students pursuing Honors and choosing Project must take CS 4998 concurrently with CS 4500 to satisfy the Honors Thesis Work

⊗ Minimum 122 credits required for graduation