

B.S. in Computer Science 2024-25

For students starting with CS 1400 and Pre-Calculus

108 credit hours total

Year 1		Year 2		Year 3		Year 4	
Fall (15)	Spring (17)	Fall (14)	Spring (14)	Fall (12)	Spring (12)	Fall (12)	Spring (12)
CS 1400 Intro to Computer Programming 4 FA/SP	CS 1410 Intro to Object Oriented Prog 4 FA/SP	CS 2420 Intro to Algorithms & Data Structure 4 FA/SP/SU	CS 3500 Software Practice 1 4 FA/SP	CS 3505 Software Practice 2 3 FA/SP	CS 4150 Algorithms 3 FA/SP	CS 4000 [Ⓒ] Senior Capstone Design 3 FA/SP	CS 4500 [Ⓒ] Senior Capstone Project 3 FA/SP
MATH 1080 Pre-Calculus 5 FA/SP/SU	MATH 1210 ✓ Calculus 1 4 FA/SP/SU	MATH 1220 Calculus 2 4 FA/SP/SU	MATH 2270 ✓ Linear Algebra 4 FA/SP/SU	CS 3810 Computer Organization 3 FA/SP	CS 3100/3200 CS Theory Elective (Choose one) 3 FA/SP	OR CS 4940 [Ⓒ] Undergraduate Research 3 FA/SP	OR CS 4970 [Ⓒ] Bachelors Thesis 3 FA/SP
General Education (WRTG 2010) ✓ 3 FA/SP/SU	General Education (FF) ✓ [Ⓒ] 3 FA/SP/SU	General Education (BF) ✓ [Ⓒ] 3 FA/SP/SU	CS 2100 * Discrete Structures 3 FA/SP	CS 3130 Eng Prob & Stats 3 FA/SP	CS Elective [⊙] 3 FA/SP	CS 4400 Computer Systems 3 FA/SP	CS Elective [⊙] 3 FA/SP
General Education (AI) ✓ [Ⓒ] 3 FA/SP/SU	General Education (HF) ✓ [Ⓒ] 3 FA/SP/SU	WRTG 3014 or 3015 ✓ Scientific or Professional Writing 3 FA/SP/SU	CS Elective [⊙] 3 FA/SP	CS Elective [⊙] 3 FA/SP	Math/Science Elective ✓ [Ⓜ] 3 FA/SP/SU	CS Elective [⊙] 3 FA/SP	CS Elective [⊙] 3 FA/SP
	General Education (LS) ✓ [Ⓒ] 3 FA/SP/SU					CS Elective [⊙] 3 FA/SP	General Education (PS) ✓ [Ⓒ] 3 FA/SP/SU

Ready to apply to the program? Access the application link located in the Student Handbook!

Ⓒ Students pursuing Honors and choosing the project must take CS 4998 concurrently with CS 4500 to satisfy the Honors Thesis Work. Honors students pursuing the thesis must take CS 4999 (instead of CS 4970).

⊙ Fill in with 3000+ level CS courses--see handbook.cs.utah.edu

* MATH 2200 also accepted

Ⓒ DV and IR requirements can be combined with HF/FF/BF/LS/PS electives

✓ Honors options available (Ask your advisor how CS electives can count)

Ⓜ Fill in with math, science, or engineering courses that have MATH 1220 as pre- or co-requisite. BIOL 1610, CHEM 1210, and PHYS 2010 also accepted--see handbook.cs.utah.edu for choice restrictions

gray = Pre-Major Courses

122 credit hours required for graduation

B.S. in Computer Science 2024-25

For students starting with CS 1420 and Calculus 1

Year 1		Year 2		Year 3		Year 4	
Fall (14)	Spring (14)	Fall (14)	Spring (12)	Fall (12)	Spring (12)	Fall (12)	Spring (9)
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS 1420 Accel Object Oriented Prog 4 FA/SP </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS 2420 Intro Algorithms & Data Structures 4 FA/SP/SU </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS 3500 Software Practice 1 4 FA/SP </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS 3505 Software Practice 2 3 FA/SP </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS 4400 Computer Systems 3 FA/SP </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS 4150 Algorithms 3 FA/SP </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS 4000 Senior Capstone Design 3 FA/SP </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS 4500 [Ⓒ] Senior Capstone Project 3 FA/SP </div>
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> co-reqs MATH 1210 ^{♦✓} Calculus 1 4 FA/SP/SU </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> co-reqs MATH 1220 ^{♦✓} Calculus 2 4 FA/SP/SU </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> *MATH 2200 also accepted* CS 2100 Discrete Structures 3 FA/SP </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS 3810 Computer Organization 3 FA/SP </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS Elective [⊙] </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS Elective [⊙] </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> OR CS 4940 Undergraduate Research 3 FA/SP </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> OR CS 4970 [Ⓒ] Bachelors Thesis 3 FA/SP </div>
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> General Education (WRTG 2010) [♦] 3 FA/SP/SU </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> General Education (BF) ^{♦↔} </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> MATH 2270 [♦] Linear Algebra 4 FA/SP/SU </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS 3130 Eng Prob & Stats 3 FA/SP </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS Elective [⊙] </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS 3100 or CS 3200 Choose 1 3 FA/SP </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS Elective [⊙] </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS Elective [⊙] </div>
<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> General Education (AI) ^{♦↔} 3 FA/SP/SU </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> General Education (HF) ^{♦↔} </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> General Education (FF) ^{♦↔} 3 FA/SP/SU </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> WRTG 3014 or 3015 [♦] Scientific or Professional Writing 3 FA/SP/SU *pre-req WRTG 2010* </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> Math/Science Elective ^{♦▪} 3 FA/SP/SU </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> General Education (LS) ^{♦↔} 3 FA/SP/SU </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS Elective [⊙] </div>	<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> CS Elective [⊙] </div>
						<div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-bottom: 5px;"> General Education (PS) ^{♦↔} 3 FA/SP/SU </div>	

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gray = Pre-Major Courses

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- Ⓒ Students pursuing Honors and choosing the project must take CS 4998 concurrently with CS 4500 to satisfy the Honors Thesis Work. Honors students pursuing the thesis must take CS 4999 (instead of CS 4970)
- ⊙ Fill in with 3000+ level CS courses--see handbook.cs.utah.edu
- ↔ DV and IR requirements can be combined with HF/FF/BF/LS/PS electives
- ✓ Engineering Calculus--MATH 1310 & MATH 1320 also accepted
- ♦ Honors options available (certain CS electives can also count as Honors Electives)

99 credit hours total
 122 credit hours required for graduation