

Tentative: Course offerings are subject to change.

Course #	Course Name	Credits	2024						2025						Notes	
			Summer 24	Fall 24	Winter 24	Spring 24	Summer 25	Fall 25	Winter 25	Spring 25	Summer 25	Fall 25	Winter 25	Spring 25		
CPSC 1000	Introduction to Computer Science	2		X	X	X					X					
CPSC 1220	Data-driven Problem Solving and Prog.	5		X	X	X				X	X	X				
CPSC 1230	Programming and Data Types	5			X	X					X	X				
CPSC 1420	Programming and Problem Solving I	5		X	X					X	X					
CPSC 1430	Programming and Problem Solving II	5		X	X	X				X	X	X				
CPSC 2300	Introduction to Databases	5			X						X					(Non-major course) For non-CS students pursuing the data science minor
CPSC 2430	Data Structures	5		X	X	X				X	X	X				
CPSC 2500	Computer Organization	5		X	X	X				X	X	X				
CPSC 2600	Foundations of Computer Science	5		X	X	X				X	X	X				
CPSC 3200	Object-Oriented Development	5		X	X	X				X	X	X				
CPSC 3300	Fundamentals of Databases	5		X	X	X				X	X	X				
CPSC 3400	Languages and Computation	5			X	X					X	X				
CPSC 3500	Computing Systems	5			X	X					X	X				
CPSC 3700	The Art of Web Design	5				X										Offered for last time in SQ25, will be retired after that
CPSC 4100	Design and Analysis of Algorithms	5		X	X					X	X					
CPSC 4210	Software Testing and Debugging	5														Interested students can take CPSC 5210
CPSC 4220	User Experience Design	5		X						X						
CPSC 4240	Software as a Service	5			X						X					
CPSC 4250	Mobile Software Development	5				X										X
CPSC 4260	Refactoring and Software Design	5				X										X
CPSC 4270	Graphics / Game Project	5			X						X					
CPSC 4300	Physical Database Design & Optimization	5		X												
CPSC 4310	Machine Learning	5				X										X
CPSC 4330	Big Data Analytics	5			X						X					
CPSC 4400	Compiler Principles & Techniques	5														Interested students can take CPSC 5400
CPSC 4510	Computer Networks	5								X						
CPSC 4520	Distributed Systems	5														Interested students can take CPSC 5520
CPSC 4530	Embedded Systems	5														Not planning to be offered
CPSC 4600	Parallel Computing	5														Interested students can take CPSC 5600
CPSC 4610	Artificial Intelligence	5				X										X
CPSC 4700	Computer Graphics	5				X										X
CPSC 4710	Security in Computing	5				X										X
CPSC 4270	Web Development	5			X						X					
CPSC 4800	Technical Comm. and Project Mgmt.	3		X						X						
CPSC 4870	Software Engr. and Project Development I	5		X						X						
CPSC 4880	Software Engr. and Project Development II	3			X						X					
CPSC 4890	Software Engr. and Project Development III	3				X										X
CPSC 4910	Special Topics: Cloud Computing	5			X						X					

Please see catalog for course prerequisites.



Science & Engineering Advising Center
 206.296.2500, Bannan 323
www.seattleu.edu/scieng/advising