



Computer Science Honors B.S.

Academic Map

Computer Science

Effective Year: 2020–2021

Semester 1	Cr.	Min Gr.	Milestone
CS 151 Computer Science II	3	C-	 CS 151 & MATH 152 are co-requisites.  For students entering with fewer than 15 credit hours, one of the courses must be a FYE section. Two courses must be designated as international (I).
MATH 152 Calculus 1	4	C-	
PE 144	2		
WRT 110 or WRT 105/105P	3-5	C-	
General Education Selection	3		
Total: 15-17			

Semester 2	Cr.	Min Gr.	Milestone
CS 152 Computer Science II	3	C-	
CS 254 Assembly Language	3	C-	
MATH 217 Discrete Mathematics	4	C-	
MATH 221 Calculus II	4	C-	
Total: 14			

Semester 3	Cr.	Min Gr.	Milestone
CS 253 Data Structures	3	C-	** Choose 2-semester sequence from the following: BIO 121 & 122; or CHEM 161/162 & 200/201; or PHYS 125 & 126; or GSCI 121/125 & 141/145 Proficiency in foreign language must be demonstrated before graduation.
CS 354 Digital Systems Design	3	C-	
MATH 226 Linear Algebra	4		
** Lab Science	4		
Total: 14			

Semester 4	Cr.	Min Gr.	Milestone
CS *Auxiliary Elective	3	C-	** Choose 2-semester sequence from the following: BIO 121 & 122; or CHEM 161/162 & 200/201; or PHYS 125 & 126; or GSCI 121/125 & 141/145 *CS 290, 291, 300, 398, or CS Advanced Elective
CS 355 Systems Programming	3	C-	
CS 385 Architecture	3	C-	
**Lab Science	4		
General Education Selection	3		
Total: 16			

Semester 5	Cr.	Min Gr.	Milestone
CS Advanced Elective*	3	C-	* Choose four from appropriate list on CS website.
CS 464 Programming Languages	3	C-	
CS 492 Security	3	C-	
General Education Selection	3		
General Education Selection	3		
Total:		15	

Semester 6	Cr.	Min Gr.	Milestone
CS Advanced Elective*	3	C-	
CS Advanced Elective*	3	C-	
CS 463 Algorithms	3	C-	
General Education Selection	3		
General Education Selection	3		
Total:		15	

Semester 7	Cr.	Min Gr.	Milestone
CS 410 Software Engineering	3	C-	***Choose two from appropriate list.
CS 483 Theory	3	C-	
General Education Selection	3		
General Education Selection	3		
Free Elective	3		
Total:		15	

Semester 8	Cr.	Min Gr.	Milestone
General Education Selection	3		
CS 498 Senior Project	3	C-	
General Education Selection	3		
Free Elective	3		
Free Elective	3		
Total:		15	