

2028 Academic Planning Form: COMPUTER SCIENCE B.S.

5/22/2024

1st course(s) recommended for Computer Science - CSC 103 (not 101)

	Fall Semester	# of Credits	Spring Semester	# of Credits	Total Year Credits
<b>1<sup>st</sup> Year</b>	DWC 101 (4 credit hrs; Honors 5 credit hrs)	4	DWC 102 (4 credit hrs; Honors 5 credits hrs)	4	
	CSC 103 Introduction to Computer Science + CSC 103 Lab	4	CSC 104 Software Development + CSC 104 Lab	4	
	MTH 109 Calc I OR MTH 131 Calc & Analytical Geometry I <b>(Quantitative Reasoning Core)</b>	3/4	MTH Elective (MTH 217 Stats, MTH 110/132 Calc II)	3/4	
	CSC 100 First Year Computer Science Seminar	1	MTH 117 Discrete Math or MTH 290 Foundations	3	
	Core	3			
		<b>15/16</b>		<b>14/15</b>	<b>29/31</b>
<b>2<sup>nd</sup> Year</b>	DWC 201 (4 credit hrs; Honors 5 credit hrs)	4	DWC 202 (4 credit hrs; Honors 5 credits hrs)	4	
	CSC 225 Data Structures + CSC 225 Lab	4	CSC 325 Algorithms + CSC 325 Lab	4	
	CSC 244 Theory of Computation + CSC 244 Lab	4	CSC 387 Computer Architecture + CSC 387 Lab	4	
	Free Elective	3	Free Elective	3	
	Core	3	Core	3	
		<b>18</b>		<b>18</b>	<b>36</b>
<b>3<sup>rd</sup> Year</b>	CSC Applications Elective	3	CSC Topics Elective	3	
	Free Elective	3	Free Elective	3	
	Core	3	Core	3	
	Core	3	Core	3	
	Core	3	Core	3	
		<b>15</b>		<b>15</b>	<b>30</b>
<b>4<sup>th</sup> Year</b>	CSC Systems Elective	3	CSC Topics Elective	3	
	Core	3	CSC Topics Elective	3	
	Core	3	Free Elective	3	
	Free Elective	3	Free Elective	3	
	Free Elective	3	Free Elective	3	
		<b>15</b>		<b>15</b>	<b>30</b>
<b>*Graduation Requirement includes a minimum of 120 credit hours*</b>			<b>Total Program of Study Credits</b>		<b>125/126</b>
<b>**Currently, CSC Majors fulfill the Quantitative Reasoning Core.</b>					
<b>Core requirements include a foundational component, and satisfaction of all proficiencies.</b>					
<b>Foundational Component:</b>			<b>Proficiencies:</b>		
<ul style="list-style-type: none"> <li>• DWC - 4 semester sequence, 16-20 cr.</li> <li>• Theology (200 &amp; 300 level) - 6 cr.</li> <li>• Philosophy (1 Ethics) - 6 cr.</li> <li>• Natural Science - 3 cr.</li> <li>• Social Science - 3 cr.</li> <li>• Quantitative Reasoning - 3 cr. (MTH 109, 110, 117, 131, 132)</li> <li>• Fine Arts - 3 cr.</li> </ul>			<ul style="list-style-type: none"> <li>• Intensive Writing - I</li> <li>• Intensive Writing - II</li> <li>• Diversity</li> <li>• Civic Engagement</li> <li>• Oral Proficiency</li> </ul>		
<b>Major Requirements (CSC Courses):</b>					
<ul style="list-style-type: none"> <li>• CSC 100, 103, 104, 244, 225, 325, 387</li> <li>• CSC Electives: 1 Systems, 1 Application, 3 Topics</li> </ul>			<ul style="list-style-type: none"> <li>• MTH 117 or 290, 131 (or 109)</li> <li>• MTH elective</li> </ul>		