2024 Academic Planning Form: COMPUTER SCIENCE

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

	Fall Semester	# of Credits	Spring Semester	# of Credits	Total Year Credits
1st Year	DWC 101 (4 credit hrs; Honors 5 credit hrs)	4	DWC 102 (4 credit hrs; Honors 5 credits hrs)	4	
	CSC 103 Computer Science I	4	CSC 104 Computer Science II	4	
	MTH 109 Calc I **OR** MTH 131 Calc & Analytical Geometry I **(Quantitative Reasoning Core)**	3/4	MTH 110 Calc II **OR** MTH 132 Calc & Analytical Geometry II	3/4	
	Core	3	MTH 117 Discrete Math	3	
		14/15		**14/15**	**28/30**
2nd Year	DWC 201 (4 credit hrs; Honors 5 credit hrs)	4	DWC 202 (4 credit hrs; Honors 5 credits hrs)	4	
	CSC 225 Discrete Structures	4	CSC 387 Computer Architecture	4	
	Core	3	Core	3	
	Core	3	Core	3	
	Core	3	Core	3	
		17		**17**	**34**
3rd Year	CSC 424 Database Management Systems	3	CSC 440 Numerical Analysis I	3	
	Core	3	Math Elective (MTH 215 or higher)	3	
	Core	3	Core	3	
	Core	3	Core	3	
	Core	3	Core	3	
		15		**15**	**30**
4th Year	CSC 445 Operating Systems	3	CSC 433 Computer Networks	3	
	CSC Elective	3	CSC Elective	3	
	Free Elective	3	Free Elective	3	
	Free Elective	3	Free Elective	3	
	Free Elective	3	Free Elective	3	
		15		**15**	**30**
Graduation Requirement includes a minimum of 120 credit hours			**Total Program of Study Credits**		**122/124**

**Currently, CSC Majors fulfill the Quantitative Reasoning Core.

Core requirements include a foundational component, and satisfaction of all proficiencies.

Foundational Component:	Proficiencies:
• DWC - 4 semester sequence, 16-20 cr. • Theology (200 & 300 level) - 6 cr. • Philosophy (1 Ethics) - 6 cr. • Natural Science - 3 cr. • Social Science - 3 cr. • Quantitative Reasoning - 3 cr. **(MTH 109, 110, 117, 131, 132)** • Fine Arts - 3 cr.	• Intensive Writing - I • Intensive Writing - II • Diversity • Civic Engagement • Oral Proficiency

Major Requirements (CSC Courses):

• CSC 103, 104, 225, 387, 424, 433, 340, 445 • CSC Electives (2) which must be 300 or 400 level	• MTH 117 or 290, 131 **(or 109)**, 132 **(or 110)**, • MTH 215 or higher elective