

Computer Science Flowsheet

Software Development Concentration

REQUIRED

Year	Semester	Course Number and Name	Prerequisites	Completed
Year 1	Fall	CSCI 121 – Programming in Java I	None	
		CSCI 210 – Network Theory and Administration I	None	
		CSCI 101 - Introduction to Computer Science	None	
	Spring	CSCI 122 - Programming in Java II	CSCI 121	
Year 2	Fall	CSCI 221 - Programming in Java III	CSCI 122	
		CSCI 361 – Data Structures and Algorithms	CSCI 122	
		CSCI 235 – Digital Circuit Design	None	
	Spring	CSCI 222 - Programming in Java IV	CSCI 221	
		CSCI 362 – Operating Systems	CSCI 361	
		CSCI 330 – Programming in C++	CSCI 122	
		CSCI 318- Computer Organization & Assembly Language	CSCI 235	
Year 3	Fall	CSCI 328 – Object Oriented Design	CSCI 221	
		CSCI 236 - Web Development	None	
		CSCI 243 – Database Development	None	
	Spring	CSCI 343 – Server-Side Software Development	CSCI 243 & CSCI 236 & CSCI 122	
		CSCI 390 – Junior Qualification Symposium	CSCI 222, 235, 236 and 243	
Year 4	Fall	CSCI 461 - Senior Project I	CSCI 328 & CSCI 343	
		CSCI 452 – Software Engineering	CSCI 343 & CSCI 390	
	Spring	CSCI 462 - Senior Project II	CSCI 461	

Other

Year	Semester	Course Number and Name	Notes	Completed
		PHYS 131-General Physics or PHYS 151-Intro to Mechanics		
		MATH 250 -Discrete Mathematics		
		ENGL 306 -Business Writing and Presentation		

