

# Computer Science Flowsheet

## Bioinformatics Concentration

### REQUIRED

Year	Semester	Course Number and Name	Prerequisites	Completed
Year 1	Fall	CSCI 121 – Programming in Java I	None	
		CSCI 101 - Introduction to Computer Science	None	
	Spring	CSCI 122 - Programming in Java II	CSCI 121	
		BIOL 150 – Introduction to Biology	None	
Year 2	Fall	CSCI 350 – Parallel Computing	CSCI 122	
		CSCI 361 – Data Structures and Algorithms	CSCI 122	
		BIOL 235 – Botany OR BIOL 245 - Zoology	BIOL 100 or BIOL 150 BIOL 150	
	Spring	CSCI 362 – Operating Systems	CSCI 361	
		CSCI 330 – Programming in C++	CSCI 122	
Year 3	Fall	CSCI 243 – Database Development	None	
		BIOL 240 - Genetics	BIOL 150	
	Spring	BIOL 390 - Biometry	Jr. Status and MATH 150, or MATH 220 or MATH 232	
Year 4	Fall	CSCI 461 - Senior Project I	CSCI328 & CSCI343	
		BIOL 410 - Biotechniques	BIOL 240, BIOL 245	
	Spring	CSCI 462 - Senior Project II	CSCI 461	
		CSCI 420 – Bioinformatics	BIOL 240 & CSCI 243	

### Other

Year	Semester	Course Number and Name	Notes	Completed
		MATH 250 – Discrete Math		