Academic Program Sequence Map

Program Degree Type and Name: ____Bachelor of Science in Computer Science_____ **Catalog Year:** 2024-2025

Program Level: Undergraduate   **Academic Term Type: Semester**

* Denote core course with an asterisk next to the course number and (cc)

Year and Term: Year 1 Fall Term — Credits Per Classification

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)	Milestone/Advice
ENGL111 Written Engl and Lit Studies I	3	x					
CINQ101 Critical Inquiry	3	x					
MATH116 College Algebra	3	x			B or Higher		
CISC120 Intro Computers & App Software	3	x					
Gen Ed or ENGL 110	3	x					
Term Credit Total:	15	15					

Year and Term: Year 1 Spring Term — Credits Per Classification

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)
ENGL112 Written Engl and Lit Studies II	3	x				ENGL111
MATH201 Precalculus	3	x				MATH116 or B in HS algebra
CISC131 Foundations of Computing I	3	x	x		B or Higher	CISC120
COMM110 Oral Communication	3	x				
Gen Ed	3	x				
Term Credit Total:	15	15				

Year and Term: Year 2 Fall Term — Credits Per Classification

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)	Milestone/Advice
MATH244 Discrete Structures	3		x			MATH 201	GC
CISC231 Foundations of Computing II	3	x	x		B or Higher	CISC 131	GC
Gen Ed	3	x					
Gen Ed	3	x					
Gen Ed	3	x					
Term Credit Total:	15	12	3				

Year and Term: Year 2 Spring Term — Credits Per Classification

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)
CISC311 Object/Structure/Algorithim I	3		x		B or Higher	CISC231 & MATH244
CISC341 Computer Architecture	3		x			CISC231 & MATH244
MATH260 Calculus I	4		x		B or Higher	MATH201
Gen Ed	3	x				
Gen Ed	3	x				
Term Credit Total:	16	6	10			

Year and Term: Year 3 Fall Term — Credits Per Classification

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)	Milestone/Advice
JRSM301 Junior Seminar	3	x				ENGL112 SPCM110 MATH116	
CISC339 Artificial Intelligence	3		x			CISC231 & MATH244	
CISC335 Computer Network II	3		x			CISC231	
Gen Ed	3	x					
Major Elective	3		x				
Term credit total:	15	6	9				

Year and Term: Year 3 Spring Term — Credits Per Classification

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)
CISC421 Operating Systems	3		x			CISC231 & MATH244
MATH261 Calculus II	4		x			MATH260
Gen Ed	3	x				
Major Elective	3		x			
Open Elective	3			x		
Term Credit Total:	16	3	10	3		

Year and Term: Year 4 Fall Term — Credits Per Classification

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)	Milestone/Advice
CISC371 Sftwr Engineering I:Principles	3		x		B or Higher	CISC311	
CISC411 Object/Structure/Algorithim II	3		x			CISC311	
MATH350 Probability:Theory/Application	3		x			MATH261	
Gen Ed	3	x					
Open Elective	3			x			
Term Credit Total:	15	3	9	3			

Year and Term: Year 4 Spring Term — Credits Per Classification

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)
CISC471 Sftwr Engrg II:Snr Cpstn Prj	3		x			CISC371
Major Elective	3		x			
Open Elective	3			x		
Open Elective	2			x		
Open Elective	2			x		
Term Credit Total:	13		6	7		

PROGRAM TOTALS	Credits: 120	General Education: 60	Major & Major Elective: 47	Open Elective: 13

Legend: CR: Credits   GE: General Education   Maj: Major / Major Elective   OE: Open Elective   SM: Success Marker   Co/Prerequisite(s): List of co/ prerequites for noted course   GC: Gateway Course   CA: Career Activity   ELC: Experiential Learning Course

Milestone/Advice
GC

Milestone/Advice
GC

Milestone/Advice
GC

Milestone/Advice
CA/ELC