

Computer Science B.S.

as of Fall 2024

<u>First Year - Fall Semester</u>				<u>First Year - Spring Semester</u>			
CPSC 121 / CORE 9	CPSC 121/ CORE 9 Natural Science CORE	4		CPSC 122/L	Intermediate Programming	4	
CPSC 140/L	Intro. to Information Technology	3		CSA 130	Cybersecurity Foundations	3	
CORE 1	CORE I / Building the Foundation	3		MATH 130	Discrete Math	3	
CORE 3	Research Writing (WRIT 102)	3		CLTR 2	Collateral 2 (MATH 122/BUSA 321)	3	
CLTR 1 / CORE 8	Quantitative Reasoning (MATH 121/STAT 205)	3		CORE 7	Literature	3	
CORE 103	Community Enrichment	0		CORE 104	Community Enrichment	0	
	TOTAL	16			TOTAL	16	
<u>Second Year - Fall Semester</u>				<u>Second Year - Spring Semester</u>			
CPSC 221/L	Data Structures	4		CPSC 280	Algorithmic Programming	1	
CLTR 3	Collateral 3 (MATH 322/BUSA 322)	3		TRACK 1	Track Elective 1	3	
CORE 4	CORE II: Civic Responsibility & Citizenship	3		TRACK 2	Track Elective 1	3	
FTAE 105 / CORE 2	Intro. to Fransiscan Theology	3		CORE 10	Language & Culture	3	
CORE 6	Social Science (CSA 101 recommended)	3		CORE 11	Philosophy	3	
	TOTAL	16		FREE	Free Elective	3	
					TOTAL	16	
<u>Third Year - Fall Semester</u>				<u>Third Year - Spring Semester</u>			
TRACK 1	Track Elective 2	3		TRACK 1	Track Elective 3	3	
TRACK 2	Track Elective 2	3		TRACK 2	Track Elective 3	3	
CORE 5	History	3		CORE 12	Fine Arts & Creative Expression	3	
CORE 13	Ethics	3		FREE	Free Elective	3	
CORE 15	Applied Learning	3		FREE	Free Elective	3	
FREE	Free Elective	3					
	TOTAL	18			TOTAL	15	
<u>Fourth Year - Fall Semester</u>				<u>Fourth Year - Spring Semester</u>			
CPSC 492	Computer Science Seminar	1		FREE	Free Elective	3	
CORE 14	CORE III Junior/Senior Capstone	3		FREE	Free Elective	3	
FREE	Free Elective	3		FREE	Free Elective	3	
FREE	Free Elective	3		FREE	Free Elective	3	
FREE	Free Elective	3		FREE	Free Elective	3	
FREE	Free Elective	3					
	TOTAL	16			TOTAL	15	

CLTR Set: (choose one set)

Mathematics: MATH 121, MATH 122, MATH 322

TOTAL 128

Business: BUSA 321, BUSA 322, STAT 205

Tracks: (complete 2; 18 credits)

Information Technology: CPSC 231 Intro. to Networking, CPSC 322 Intro. to System Administration, CPSC 422 System Administration

Machine Learning: CPSC 360 Machine Learning I, CPSC 361 Machine Learning II, CPSC 460 Deep Learning

Programming & Languages: CPSC 408 Software Craftsmanship, CPSC 420 Programming Languages, CPSC 428 Advanced Programming Topics

Software Development: CPSC 222 Server Side Programming, CPSC 409 Web Application Architectures, CPSC 410 Software Engineering