Fall 2025– Spring 2026			80 credits
CS REQUIREMENTS: A grade of "C" or bette	r is required	d in the CS Core and the Math Core	oo oroana
CS Core (all courses required):		Math/Science Elective (choose 1)*:	
CSCI 2101 Programming & Problem Solving I	(4)	MATH 2217 Calculus III	(5)
CSCI 2102 Programming & Problem Solving II	(4)	MATH 3323 Linear Algebra	(4)
CSCI 3103 Data Structures & Algorithms I	(4)	BIOL 1400/1405 Biodiversity & Evolution (w/ lab)	(5)
CIST 3230 Computer Networking Principles	(4)	CHEM 2120/2125 Chemistry II (w/ lab)	(5)
CSCI 3250 Computer Organization	(4)	PHYS 2230/2235 Physics II (w/ lab)	(6)
CSCI 4104 Data Structures & Algorithms II	(4)	CS Electives (choose 4):	
CSCI 4485 Software & Security Engineering	(4)	CIST 3222 Database Systems	(4)
CSCI 4600 Senior Seminar	(2)	CIST 3381 Information Assurance & Security	(4)
Math Core (all courses required):		CSCI 4105 Knowledge Discovery & Data Mining	(4)
MATH 2215 Calculus I	(5)	CSCI 4135 Web Application Engineering	(4)
MATH 2216 Calculus II	(5)	CSCI 4251 Operating Systems	(4)
MATH 2225 Discrete Mathematics I	(4)	CSCI 4463 Artificial Intelligence	(4)
CSCI 2226 Foundations of Computer Sci	(4)	CSCI 4464 Computer Vision	(4)
CSCI 3327 Probability & Applied Statistics	(4)	CSCI 4465 Machine Learning	(4)
Science Core (choose 1):		CSCI 4469 Computer Architecture	(4)
BIOL 1200/1205 Cells and Molecules (w/ lab)	(5)	CSCI 4481 Cryptography and Data Security	(4)
CHEM 2110/2115 Chemisty I (w/ lab)	(5)	CSCI 4510 Topics in Computer Science	(4)
	(0)	0 1 11 (0 0 - 11)	
PHYS 2220/225 Physics I (w/ lab)	(6)	Cognates** (0-3+ credits as needed):	
PHYS 2220/225 Physics I (w/ lab)	(6)	CSCI 4800 Independent Study / CSCI 4900 Internship	(0-4)
PHYS 2220/225 Physics I (w/ lab)	(6)	· · · · · · · · · · · · · · · · · · ·	(0-4) as needed
	1,	CSCI 4800 Independent Study / CSCI 4900 Internship Other cognates**	_ ' _ /
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Q1 or Q2

**B.S.** in Computer Science: Pre-req Diagram

