B.S. COMPUTER SCIENCE

Fall 2022 – Spring 2023

CS REQUIREMENTS: A grade of "C" or better i	is required	in the CS Core and the Math Core	80 credits
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)
IATH 2215 Calculus I	(5)	CSCI 4135 Web Application Engineering	(4)
/ATH 2216 Calculus II	(5)	CSCI 4251 Operating Systems	(4)
IATH 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)
cience Core (choose 1):	17	CSCI 4469 Computer Architecture	(4)
IOL 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)
PHYS 2220/225 Physics I (w/ lab)	(6)	CSCI 4800 Independent Study***	(0-4)
1110 2220/223 1 Hysics 1 (w/ ldb)	(0)	Cognates** (0-3+ credits as needed):	(0 +)
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B.S. in Computer Science: Pre-req Diagram

