



Computer Science Major Program (B.S. in CS)
Effective Fall 2014

I. GENERAL EDUCATION REQUIREMENTS	32	B. REQUIRED MATHEMATICS COURSES	18
A. New Student Seminar	1	MATH 122 Calculus I	4
C. Communications		MATH 221 Calculus II	4
College Writing I & II	6	MATH 235 Introduction to Linear Algebra	4
Communications	3	STAT 401 Applied Statistics for the Sciences	3
D. Fine and Performing Arts	3	CSIT 270 Discrete Mathematical Structures	3
F. Humanities		C. REQUIRED COMPUTER SCIENCE COURSES-	
World Literature / General		CORE	24
Humanities	3	CSIT 104 Computational Concepts	3
Philosophy / Religion	3	CSIT 111 Fundamentals of Programming I	3
G. Computer Science (satisfied by taking CSIT 111)		CSIT 112 Fundamentals of Programming II	3
H. Mathematics (satisfied by taking MATH 122)		CSIT 212 Data Structures and Algorithms	3
I. Natural / Physical Sciences (satisfied by courses taken in 3A)		CSIT 230 Computer Systems	3
J. Physical Education	1	CSIT 379 Computer Science Theory	3
K. Social Science		CSIT 315 Software Engineering I	3
American / European History	3	CSIT 415 Software Engineering II	3
Non Western Culture	3	D. REQUIRED COMPUTER SCIENCE ADVANCED COURSES	12
Social Science	3	CSIT 340 Computer Networks	3
L. General Education Elective	3	CSIT 355 Database Systems	3
		CSIT 313 Foundations of Programming	3
		Languages	3
		CSIT 345 Operating Systems	
II. WORLD LANGUAGES AND WORLD CULTURES	3-9	E. COMPUTER SCIENCE ELECTIVES	6
A. World Languages	3-6	Any two CSIT courses selected as Electives	
B. Multicultural Awareness	0-3	IV. FREE ELECTIVE CREDITS	7-13
III. MAJOR AND COLLATERAL COURSES	72		
A. Collateral Courses – one of the following sequences	12		
A1. PHYS 191, 192	8		
A2. CHEM 120, 121	8		
A3. BIOL 112, 113, 213	12		

BS in CS Degree Total 120

Students who take sequence A1 or A2 must take at least an additional 4 credits from the following list of courses: PHYS 210, PHYS 240, PHYS 242, PHYS 245, PHYS 247, PHYS 280, CHEM 230, CHEM 231, and CHEM 232