

**BACHELOR OF SCIENCE DEGREE PROGRAM (2001-2002 CATALOG)
COMPUTER SCIENCE (7071)**

NAME		STUDENT NO.:	
ADDRESS		TELEPHONE NO.:	
		E-MAIL	
COMMENTS			
COURSE #	COURSE DESCRIPTIONS	CR.	YEAR GRADE
FRESHMAN YEAR – FALL SEMESTER			
COM 1101	Composition and Rhetoric (Prerequisite: COM 1100 or a passing grade on the placement test)	3	
CSE 1001	Fundamentals of Software Development 1 (MUST PASS WITH “C” OR BETTER)	4	
CSE 1101	Computing Disciplines and Careers 1	1	
MTH 2051	Discrete Mathematics (Prerequisite: MTH 1000 or MTH 1001)	3	
	Restricted Elective (Science)	4	
	TOTAL	15	
FRESHMAN YEAR – SPRING SEMESTER			
COM 1102	Writing about Literature (Prerequisite: COM 1101)	3	
CSE 1002	Fundamentals of Software Development 2 (Prerequisite: CSE 1001 and AT LEAST A “C” OR BETTER)	4	
MTH 1001	Calculus 1 (Prerequisites: High school algebra, trig. and a passing score on the placement test, or MTH 1000) (Graphics Calculator required)	4	
	Restricted Elective (Science)	4	
	TOTAL	15	
SOPHOMORE YEAR – FALL SEMESTER			
COM 2223	Scientific and Technical Communications (Prerequisite: COM 1102)	3	
CSE 2010	Algorithms and Data Structures (Prerequisite: CSE 1002 and AT LEAST A “C” OR BETTER; co-requisite: MTH 2051)	4	
MTH 1002	Calculus 2 (Prerequisite: MTH 1001)	4	
PHY 1001	Physics 1 (Prerequisite: MTH 1001; co-requisite: MTH 1002)	4	
PHY 2091	Physics Lab 1 (Co-requisite: PHY 1001)	1	
	TOTAL	16	
SOPHOMORE YEAR – SPRING SEMESTER			
CSE 2050	Programming in a Second Language (Prerequisite: CSE 1002, or permission of the instructor)	3	
CSE 2410	Introduction to Software Engineering (Prerequisites: CSE 2010 or CSE 2502 or ECE 2552)	3	
HUM 2051	Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102)	3	
MTH 2401	Probability and Statistics (Prerequisite: MTH 1002)	3	
PHY 2002	Physics 2 (Prerequisite: PHY 1001)	4	
PHY 2092	Physics Lab 2 (Prerequisite: PHY 2091; co-requisite: PHY 2002)	1	
	TOTAL	17	
JUNIOR YEAR – FALL SEMESTER			
CSE 3001	Programming Language Concepts (Prerequisites: CSE 2010)	3	
CSE 3101	Machine and Assembly Language (Prerequisite: CSE 1002 or CSE 1502 or CSE 1503)	3	
HUM 2052	Civilization 2: Renaissance Through Modern (Prerequisite: COM 1102)	3	
	Humanities Elective	3	
	Restricted Elective (Computer Science)	3	
	Restricted Elective (Mathematics)	3	
	TOTAL	18	
JUNIOR YEAR – SPRING SEMESTER			
ECE 4551	Computer Architecture (Prerequisite: ECE 3551 or CSE 3101)	3	
	Liberal Arts Elective	3	

	Restricted Elective (Computer Science)	3		
	Social Science Elective	3		
	Technical Elective	3		
	Free Elective	1		
	TOTAL	16		
SENIOR YEAR – FALL SEMESTER				
CSE 4001	Operating Systems Concepts (Prerequisites: CSE 2050, or ECE 2552, co-requisite: ECE 4551)	3		
CSE 4101	Computer Science Projects 1 (Prerequisite: Senior standing in Computer Science option)	3		
	Humanities Elective	3		
	Restricted Elective (Computer Science)	3		
	Technical Elective	3		
	TOTAL	15		
SENIOR YEAR – SPRING SEMESTER				
CSE 4081 or CSE 4083	Introduction to Analysis of Algorithms (Prerequisites: CSE 2010) or Formal Languages and Automata Theory (Prerequisites: CSE 2010)	3		
CSE 4102	Computer Science Projects 2 (Prerequisite: CSE 4101)	3		
	Humanities Elective	3		
	Restricted Elective (Computer Science)	3		
	Free Elective	3		
	TOTAL	15		
	TOTAL CREDITS REQUIRED	127		
TRANSFER CREDITS AND OTHER COURSES				
Advisor	Department Head			
Date	Date			