

**BACHELOR OF SCIENCE DEGREE PROGRAM (2005-2006)
COMPUTER SCIENCES/SOFTWARE ENGINEERING(7075)**

NAME		STUDENT NO.:			
ADDRESS		TELEPHONE NO.:			
		E-MAIL			
COMMENTS					
COURSE #	COURSE DESCRIPTIONS	CR.	YEAR	GR.	
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			
CSE 1400	Applied Discrete Mathematics (Prerequisite: MTH 1000 or high school algebra, trigonometry, and a passing score on the placement test)				
MTH 1001	Calculus 1 (Prerequisites: MTH 1000 or High school algebra, trigonometry and a passing score on the placement test) (Graphics Calculator required)	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			
HUM 2510	Logic (Prerequisite: COM 1101)	3			
MTH 1002	Calculus 2 (Prerequisite: MTH 1001)	4			
PSY 1411	Introduction to Psychology	3			
	TOTAL	17			
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			
CSE 3411	Software Testing 1	3			
PHY 1001	Physics 1 (Prerequisite: MTH 1001; co-requisite: MTH 1002)	4			
PHY 2091	Physics Lab 1 (Co-requisite: PHY 1001)	1			
	TOTAL	15			
SOPHOMORE YEAR – SPRING SEMESTER					
CSE 2050	Programming in a Second Language (Prerequisite: CSE 1002, or permission of the instructor)	3			
CSE 2400	Applied Statistics (Prerequisite: MTH 1002)				
CSE 2410	Introduction to Software Engineering (Prerequisites: CSE 2010 or CSE 2502 or ECE 2552)	3			
PHY 2002	Physics 2 (Prerequisite: PHY 1001)	4			
PHY 2092	Physics Lab 2 (Prerequisite: PHY 2091; co-requisite: PHY 2002)	1			
	Restricted Elective (Science)	3			
	TOTAL	17			
JUNIOR YEAR – FALL SEMESTER					
COM 2012	Research Sources and Systems (Prerequisite: COM 1102)	1			
CSE 3101	Machine and Assembly Language (Prerequisite: CSE 1002 and ECE 1551)	3			
CSE 4415	Software Testing 2	3			
CSE 4621	Software Metrics and Modeling	3			
HUM 2051	Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102)	3			
	Restricted Elective (Science)	3			
	TOTAL	16			
JUNIOR YEAR – SPRING SEMESTER					
AHF 3101	Introduction to Human Factors (Prerequisite: Junior Standing)	3			

CSE 3030	Legal, Ethical & Social Issues in Computing (Prerequisites: COM2102, COM 2223 or COM 2224 and at least one of CSE 1002, CSE 1502, CSE 1503, ECE 2551)	3		
CSE 3421	Software Design Methods (Prerequisite: CSE 2410)	3		
CSE 4610	Requirements Engineering	3		
HUM 2052	Civilization 2: Renaissance Through Modern (Prerequisite: COM 1102)	3		
	Free Elective	3		
	TOTAL	18		
SENIOR YEAR – FALL SEMESTER				
CSE 4001	Operating Systems Concepts (Prerequisites: CSE 2050, CSE 3101 or ECE 2552 and ECE 4551)	3		
CSE 4201	Software Development Projects 1 (Prerequisites: Senior standing in Software Development option)	3		
	Restricted Elective (Computer Science)	3		
	Social Science Elective	3		
	Free Elective	3		
	TOTAL	15		
SENIOR YEAR – SPRING SEMESTER				
CSE 4083	Formal Languages and Automata Theory (Prerequisites: CSE 2010)	3		
CSE 4202	Software Development Projects 2 (Prerequisite: Senior standing in Software Development option)	3		
	Restricted Elective (Computer Science)	3		
	Humanities Elective	3		
	Free Elective	3		
	TOTAL	15		
	TOTAL CREDITS REQUIRED	128		
TRANSFER CREDITS AND OTHER COURSES				
Advisor	Department Head			
Date	Date			