	BACHELOR OF SCIENCE DEGREE PROGRAM (2011-2012)			
NAME	SOFTWARE ENGINEERING(7075) STUDENT NO.:			
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ADDRESS	TELEPHONE NO	J.:		
ADVISOR	E-MAIL			
COMMENT	S			
COURSE #				GR.
FRESHMA	N YEAR – FALL SEMESTER			
ASC 1000	University Experience	1		
COM 1101	Composition and Rhetoric (Prerequisite: COM 1100 or a passing grade on the placeme test)	nt 3		
CSE 1001	Fundamentals of Software Development 1 (MUST PASS WITH "C" OR BETTER)			
CSE 1101	Computing Disciplines and Careers 1			
CSE 1400	Applied Discrete Mathematics (Requirements: Passing score on the Calculus Readiness Test, or prerequisite course) Prerequisite: MTH 1001)			
PSY 1411	Introduction to Psychology	3		
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FRESHMA	N YEAR - SPRING SEMESTER	1 10	1	
COM 1102	Writing about Literature (Prerequisite: COM 1101)	3		
CSE 1002	Fundamentals of Software Development 2 (Prerequisite: CSE 1001 and MUST PASS WITH A "C" OR BETTER)	4		
CSE 2120	Computer Organization (Prerequisite: CSE 1001 and MUST PASS WITH A "C" OR BETTER)			
MTH 1001	Calculus 1 (Prerequisites: MTH 1000 or High school algebra, trigonometry and a passis score on the placement test) (Graphics Calculator required)	ng 4		
	Restricted Elective (Science)	3		
	TOT			
SOPHOMO	RE YEAR – FALL SEMESTER	111		
COM 2012	Research Sources and Systems (Prerequisite: COM 1102)	1		
COM 2223	Scientific and Technical Communications (Prerequisite: COM 1102)			
CSE 2010	Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051 and			
MTH 1002	MUST PASS WITH A "C" OR BETTER)			
M1H 1002	Calculus 2 (Prerequisite: MTH 1001)			
BIO 1010 CHM 1101	CHOOSE ONE sequence Biology, Chemistry, or Physics Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1	4		
PHY 1001	Physics 1 (Prerequisite: MTH 1001; co-requisite: MTH 1002) and PHY 2091			
1111 1001	(Corequisite: PHY 2001) [One credit maybe applied toward Restricted Science Elective]			
	TOT	AL 16		+
SOPHOMO	RE YEAR – SPRING SEMSTER	110	-1	
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)			+
HUM 2051	Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102)			+
HUM 2510	Logic (Prerequisite: COM 1101)			+
110111 4310	CHOOSE ONE sequence Biology, Chemistry, or Physics	3		+
BIO 1020 CHM 1102	Biological Discovery 2 (Requirement: High School biology and chemistry.) General Chemistry 2 (Prerequisite: CHM 1101)			
PHY 2002	Physics 2 (Prerequisite: PHY 1001) and PHY 2092 (Corequisite: PHY 2001) [One creemaybe applied toward Restricted Science Elective]			
	TOT	AL 16		

CSE 3400 Applied Statistics (Prerequisite: MTH 1002) CSE 3030 Legal, Ethical & Social Issues in Computing (Prerequisites: COM2102, COM 2223 and CSE 1002) CSE 3411 Software Testing 1 (Prerequisites: CSE 1002, CSE 1400) 3 CSE 3411 Software Testing 1 (Prerequisites: CSE 2010) 3 CSE 3421 Software Design Methods (Prerequisite: CSE 2410) 3 CSE 3421 Software Design Methods (Prerequisite: CSE 2410) 3 CSE 3421 CSE 3431 Introduction to Human Factors (Prerequisite: CSE 2410) 3 CSE 4401 Introduction to Human Factors (Prerequisite: CSE 2505) 3 CSE 4401 Operating Systems Concepts (Prerequisites: CSE 2505) 3 CSE 4401 Software Testing 2 (Prerequisites: CSE 2410) 3 CSE 4401 Software Testing 2 (Prerequisites: CSE 2410) 3 CSE 4621 Software Metrics and Modeling (Prerequisites: CSE 2400, CSE 2410) 3 CSE 4621 Software Metrics and Modeling (Prerequisites: CSE 2400, CSE 2410) 3 CSE 4621 Software Development Projects 1 (Prerequisites: Senior standing in Software Software Development Projects 1 (Prerequisites: Senior standing in Software Software Development Projects 1 (Prerequisites: Senior standing in Software Software Development Projects 1 (Prerequisites: Senior standing in Software Software Development Projects 1 (Prerequisites: Senior standing in Software Software Development Projects 1 (Prerequisites: Senior standing in Software Software Development Projects 2 (Prerequisites: SE 2010) Software Development Projects 2 (Prerequisites: Senior standing in Software Engineering) Software Development Projects 2 (Prerequisites: Senior standing in Software Engineering) Software Development Projects 2 (Prerequisites: SE 2010) Software Development Projects 3 (Presequisites: Senior standing in Software Engineering) Software Development Projects 3 (Presequisites: SE 201	JUNIOR YEAR – FALL SEMESTER								
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Software Testing 1 (Prerequisites: CSE 1002, CSE 1400) 3	CSE 3030		nisites: COM2102, COM 2223 and	3					
Software Design Methods (Prerequisite: CSE 2410) 3	CSE 3411								
HUM 2052 Civilization 2: Renaissance Through Modern (Prerequisite: COM 1102) 3									
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JUNIOR YEAR – SPRING SEMESTER AHF 3101 Introduction to Human Factors (Prerequisite: Junior Standing) Operating Systems Concepts (Prerequisites: CSE 2050) 3 CSE 4415 Software Testing 2 (Prerequisites: CSE 2410 and Corequisite: CSE 3101) 3 CSE 4610 Requirements Engineering (Prerequisites: CSE 2410) CSE 4621 Software Metrics and Modeling (Prerequisites: CSE 2400, CSE 2410) Restricted Elective (Mathematics) TOTAL 18 SENIOR YEAR – FALL SEMESTER CSE 4201 Software Development Projects 1 (Prerequisites: Senior standing in Software Engineering) Free Elective Software Development Projects 1 (Prerequisites: Senior standing in Software Engineering) Free Elective (Computer Science) Restricted Elective (Computer Science) Social Science Elective Software Development Projects 2 (Prerequisites: CSE 2010) SENIOR YEAR – SPRING SEMESTER CSE 4083 Formal Languages and Automata Theory (Prerequisites: CSE 2010) CSE 4202 Software Development Projects 2 (Prerequisite: Senior standing in Software Engineering) Humanities Elective Restricted Elective (Mathematics or Science) Restricted Elective (Mathematics or Science) Restricted Elective (Mathematics or Science) TOTAL 15 TRANSFER CREDITS AND OTHER COURSES Advisor Department Head									
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