	BACHELOR OF SCIENCE DEGREE PROGRAM (2015-2016)			
	SOFTWARE ENGINEERING(7075)				
NAME	STUDENT NO.:				
ADDRESS	TELEPH	IONE NO.:			
ADVISOR	E-MAIL				
COMMENT					
COURSE #			CR.	YEAR	GR.
FRESHMA	N YEAR – FALL SEMESTER		ı	<u>l</u>	
ASC 1000	University Experience				
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 (Requirements: Passing score on the Calculus Readiness Test, or prerequisite course) Prerequisite: MTH 1000)		3		
PSY 1411	Introduction to Psychology		3		
	, J	TOTAL	15		
FRESHMA	N YEAR – SPRING SEMESTER				
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)		3		
MTH 1001	Calculus 1 (Prerequisites: MTH 1000 or High school algebra, trigonometry and a passing score on the placement test) (Graphics Calculator required)		4		
	Restricted Elective (Science)		3		
	TOTAL		17		
SOPHOMORE YEAR – FALL SEMESTER					
COM 2012			1		
COM 2223	Scientific and Technical Communications (Prerequisite: COM 1102)		3		
CSE 2010	Algorithms and Data Structures (Prerequisite: CSE 1002, CSE 1400 or MTH 2051 and MUST PASS WITH A "C" OR BETTER)		4		
MTH 1002	Calculus 2 (Prerequisite: MTH 1001)		4		
	CHOOSE ONE sequence Biology, Chemistry, or Physics		4		
BIO 1010 CHM 1101	Biological Discovery 1 (Requirement: High School biology and chemistry.) General Chemistry 1				
PHY 1001	Physics 1 (Prerequisite: MTH 1001; co-requisite: MTH 1002) and PHY 20				
	(Corequisite: PHY 2001) [One credit maybe applied toward Restricted Science Elective]				
	**	TOTAL	16		
SOPHOMO	RE YEAR – SPRING SEMSTER			1	1
CSE 2050	Programming in a Second Language (Prerequisite: CSE 2120, or permission of the instructor) [CSE 1502 Introduction Software Development w/C++]		3		
CSE 2410	Introduction to Software Engineering (Prerequisites: CSE 2010)		3		
HUM 2051	Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102)		3		
HUM 2510	Logic (Prerequisite: COM 1101)		3		
	CHOOSE ONE sequence Biology, Chemistry, or Physics		4		1
BIO 1020	Biological Discovery 2 (Requirement: High School biology and chemistry.)				
CHM 1102	General Chemistry 2				
PHY 2002					
	, <u>1</u>	TOTAL	16		

CSE 2400	JUNIOR YI	EAR – FALL SEMESTER			
CSE 3030					
CSE 3411 Software Testing 1 (Prerequisites: CSE 1002, CSE 1400) 3					
Software Design Methods (Prerequisite: CSE 2410) 3 Humanities Core Course 3 3			,		
Humanities Core Course	CSE 3411			3	
JUNIOR YEAR - SPRING SEMESTER	CSE 3421			3	
JUNIOR YEAR - SPRING SEMESTER AHF 3101		Humanities Core Course		3	
AHF 3101 Introduction to Human Factors (Prerequisite: Junior Standing) 3 CSE 4001 Operating Systems Concepts (Prerequisites: CSE 2050) 3 3 CSE 44015 Software Testing 2 (Prerequisites: CSE 2120, 2410 and 3411) 3 CSE 4610 Requirements Engineering (Prerequisite: CSE 2410) 3 3 CSE 4621 Software Metrics and Modeling (Prerequisites: CSE 2400, CSE 2410) 3 Restricted Elective (Mathematics) TOTAL 18 SENIOR YEAR – FALL SEMESTER CSE 4201 Software Development Projects 1 (Prerequisites: Senior standing in Software 3 Engineering) Tree Elective (Computer Science) 3 Restricted Elective (Mathematics or Science) 3 Restricted Elective (Mathematics or Science) 3 Social Science Elective (Mathematics or Science) 3 Restricted Elective (Mathematics or Science) 3 Software Development Projects 2 (Prerequisites: CSE 2010) 3 CSE 4202 Software Development Projects 2 (Prerequisites: Senior standing in Software Engineering) 3 Humanities Elective (Computer Science) 3 Restricted Elective (Mathematics or Science) 3 Restricted Elective (Mathematics or Science) 3 Restricted Elective (Mathematics or Science) 10 TOTAL 15		TOTAL		15	
CSE 4001 Operating Systems Concepts (Prerequisites: CSE 2050) 3 CSE 4415 Software Testing 2 (Prerequisites: CSE 2120, 2410 and 3411) 3 CSE 4610 Requirements Engineering (Prerequisite: CSE 2410) 3 CSE 4621 Software Metrics and Modeling (Prerequisites: CSE 2400, CSE 2410) 3 Restricted Elective (Mathematics) TOTAL 18 SENIOR YEAR – FALL SEMESTER CSE 4201 Software Development Projects 1 (Prerequisites: Senior standing in Software Engineering) 3 Free Elective 3 3 Restricted Elective (Computer Science) 3 3 Restricted Elective (Mathematics or Science) 3 3 Social Science Elective 3 3 CSE 4083 Formal Languages and Automata Theory (Prerequisites: CSE 2010) 3 3 CSE 4202 Software Development Projects 2 (Prerequisite: Senior standing in Software Engineering) 3 3 Restricted Elective (Computer Science) 3 3 3 Restricted Elective (Mathematics or Science) 3 3 3 Restricted Elective (Mathematics or Science) 3 3	JUNIOR YI	EAR – SPRING SEMESTER			
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CSE 4610 Requirements Engineering (Prerequisite: CSE 2410) CSE 4621 Software Metrics and Modeling (Prerequisites: CSE 2400, CSE 2410) Restricted Elective (Mathematics) TOTAL SENIOR YEAR – FALL SEMESTER CSE 4201 Software Development Projects 1 (Prerequisites: Senior standing in Software Engineering) Free Elective Restricted Elective (Computer Science) Restricted Elective (Mathematics or Science) Social Science Elective TOTAL 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 (Computer Science) Restricted Elective (Computer Science) Restricted Elective (Mathematics or Science) Restricted Elective (Mathematics or Science) Restricted Elective (Mathematics or Science) TOTAL 15 TOTAL 15 TOTAL 15 TOTAL 15 Department Head	CSE 4001	Operating Systems Concepts (Prerequisites: CSE 2050)			
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Social Science Elective TOTAL 15 SENIOR YEAR – SPRING SEMESTER CSE 4083 Formal Languages and Automata Theory (Prerequisites: CSE 2010) 3 Software Development Projects 2 (Prerequisite: Senior standing in Software Engineering) 3 Humanities Elective 3 Restricted Elective (Computer Science) 3 Restricted Elective (Mathematics or Science) 3 TOTAL 15 TOTAL 15 TOTAL 15 TOTAL CREDITS REQUIRED 127 TRANSFER CREDITS AND OTHER COURSES Advisor Department Head				3	
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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 (Computer Science) Restricted Elective (Mathematics or Science) TOTAL 15 TOTAL CREDITS REQUIRED 127 TRANSFER CREDITS AND OTHER COURSES Advisor Department Head				3	
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Restricted Elective (Mathematics or Science) TOTAL 15 TOTAL CREDITS REQUIRED 127 TRANSFER CREDITS AND OTHER COURSES Advisor Department Head				3	
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TOTAL CREDITS REQUIRED 127 TRANSFER CREDITS AND OTHER COURSES Advisor Department Head					
Advisor Department Head		TOTAL		15	
Advisor Department Head		TOTAL CREDITS REQUIRED		127	
D.	Advisor	visor Department Head			
Date	Date	ate Date			