

**BACHELOR OF SCIENCE DEGREE PROGRAM (2007-2008)  
SOFTWARE ENGINEERING(7075)**

NAME		STUDENT NO.:	
ADDRESS		TELEPHONE NO.:	
<b>ADVISOR</b>		E-MAIL	
<b>COMMENTS</b>			
<b>COURSE #</b>	<b>COURSE DESCRIPTIONS</b>	<b>CR.</b>	<b>YEAR</b> <b>GR.</b>
<b>FRESHMAN YEAR – FALL SEMESTER</b>			
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	
	<b>TOTAL</b>	<b>15</b>	
<b>FRESHMAN YEAR – SPRING SEMESTER</b>			
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	
	<b>TOTAL</b>	<b>17</b>	
<b>SOPHOMORE YEAR – FALL SEMESTER</b>			
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	
	<b>TOTAL</b>	<b>15</b>	
<b>SOPHOMORE YEAR – SPRING SEMSTER</b>			
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	
	<b>TOTAL</b>	<b>17</b>	
<b>JUNIOR YEAR – FALL SEMESTER</b>			
COM 2012	Research Sources and Systems (Prerequisite: COM 1102)	1	
CSE 3101	Machine and Assembly Language (Prerequisite: CSE 1002)	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	
	<b>TOTAL</b>	<b>16</b>	

<b>JUNIOR YEAR – SPRING SEMESTER</b>			
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	
		<b>TOTAL</b>	<b>18</b>

<b>SENIOR YEAR – FALL SEMESTER</b>			
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	
		<b>TOTAL</b>	<b>15</b>

<b>SENIOR YEAR – SPRING SEMESTER</b>			
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	
		<b>TOTAL</b>	<b>15</b>
		<b>TOTAL CREDITS REQUIRED</b>	<b>128</b>

**TRANSFER CREDITS AND OTHER COURSES**


Advisor	Department Head
Date	Date