

**BACHELOR OF SCIENCE DEGREE PROGRAM (2000-2001)  
COMPUTER SCIENCES/SOFTWARE DEVELOPMENT (7072)**

NAME	STUDENT NO.:
ADDRESS	TELEPHONE NO.:
	E-MAIL

**COMMENTS**

<b>COURSE #</b>	<b>COURSE DESCRIPTIONS</b>	<b>CR.</b>	<b>YEAR</b>	<b>GRADE</b>
<b>FRESHMAN YEAR – FALL SEMESTER</b>				
COM 1101	Composition and Rhetoric	3		
CSE 1001	Fundamentals of Software Development 1	4		
CSE 1101	Computing Disciplines and Careers 1	1		
MTH 2051	Discrete Mathematics (Prerequisite: MTH 1001)	3		
	Restricted Elective (Science)	4		
	<b>TOTAL</b>	<b>16</b>		
<b>FRESHMAN YEAR – SPRING SEMESTER</b>				
COM 1102	Writing about Literature (Prerequisite: COM 1101)	3		
CSE 1002	Fundamentals of Software Development (Prerequisite: CSE 1001)	4		
MTH 1001	Calculus 1 (Prerequisites: High school algebra, trig. and a passing score on the placement test, or at least a “C” in MTH 1000)	4		
	Restricted Elective (Science)	4		
	<b>TOTAL</b>	<b>15</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)	4		
MTH 1002	Calculus 2 (Prerequisite: At least a “C” in 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		
	<b>TOTAL</b>	<b>15</b>		
<b>SOPHOMORE YEAR – SPRING SEMESTER</b>				
CSE 2050	Programming in a Second Language (Prerequisite: CSE 2010, or permission of the instructor)	3		
CSE 2410	Introduction to Software Engineering (Prerequisites: CSE 2010 or ECE 2551, and CSE 2401)	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		
	<b>TOTAL</b>	<b>17</b>		
<b>JUNIOR YEAR – FALL SEMESTER</b>				
CSE 3001	Programming Language Concepts (Prerequisites: CSE 2010 and MTH 2051)	3		
CSE 3101	Machine and Assembly Language (Prerequisite: CSE 1002 or CSE 1501 or CSE 1502 or CSE 1503)	3		
CSE 3421	Software Design Methods (Prerequisite: CSE 2410)			
HUM 2052	Civilization 2: Renaissance Through Modern (Prerequisite: COM 1102)	3		
	Restricted Elective (Mathematics)	3		
	<b>TOTAL</b>	<b>18</b>		
<b>JUNIOR YEAR – SPRING SEMESTER</b>				
CSE 4431	Software Testing Methods	3		
ECE 4551	Computer Architecture	3		
	Restricted Elective (Software Development)	3		
	Social Science Elective	3		
	Technical Elective	3		
	Free Elective	3		
	<b>TOTAL</b>	<b>16</b>		

<b>SENIOR YEAR – FALL SEMESTER</b>				
CSE 4001	Operating Systems Concepts (Prerequisites: CSE 2010, CSE 3102, or ECE 2252, ECE 4551)	3		
CSE 4201	Software Development Projects 1 (Prerequisites: CSE 3003 and Senior standing in Software Development option)	3		
	Humanities Elective	3		
	Liberal Arts Elective	3		
	Restricted Elective (Software Development)	3		
	<b>TOTAL</b>	<b>15</b>		
<b>SENIOR YEAR – SPRING SEMESTER</b>				
CSE 4202	Software Development Projects 2 (Prerequisite: CSE 4201)	3		
	Humanities Elective	3		
	Restricted Elective (Software Development)	3		
	Restricted Elective (Software Development)	3		
	Technical Elective	3		
	Free Elective	1		
	<b>TOTAL</b>	<b>16</b>		
	<b>TOTAL CREDITS REQUIRED</b>	<b>127</b>		
<b>TRANSFER CREDITS AND OTHER COURSES</b>				
Advisor		Department Head		
Date		Date		