

**BACHELOR OF SCIENCE DEGREE PROGRAM (2005-2006 CATALOG)  
COMPUTER SCIENCE (7071)**

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 (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 and trigonometry, and a passing score on placement test)	3	
ECE 1551	Digital Logic	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	
MTH 1001	Calculus 1 (Prerequisites: MTH 1000 or High school algebra, trigonometry and a passing score on the placement test) (Graphics Calculator required)	4	
HUM 2510	Logic (Prerequisite: COM 1101)	3	
	Restricted Elective (Science)	3	
	<b>TOTAL</b>	<b>17</b>	
<b>SOPHOMORE YEAR – FALL SEMESTER</b>			
COM 2012	Research Sources and Systems (Prerequisite: COM 1102)	1	
COM 2223	Scientific and Technical Communications (Prerequisite: COM 1102)	3	
CSE 2010	Algorithms and Data Structures (Prerequisites: CSE 1002, CSE or MTH 2051, and AT LEAST A “C” OR BETTER)	4	
MTH 1002	Calculus 2 (Prerequisite: 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>17</b>	
<b>SOPHOMORE YEAR – SPRING SEMESTER</b>			
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 or CSE 2502 or ECE 2552)	3	
CSE 2400	Applied Statistics (Prerequisite: MTH 1002)	3	
HUM 2051	Civilization 1: Ancient Through Medieval (Prerequisite: COM 1102)	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 3030	Legal, Ethical & Social Issues in Computing (Prerequisites: COM 2223 or COM 2224 and at least one of CSE 1002, CSE 1502, CSE 1503, ECE 2551)	3	
CSE 3101	Machine and Assembly Language (Prerequisite: CSE 1002 and ECE 1551)	3	
CSE 4250	Programming Language Concepts (Prerequisite: CSE 2010)	3	
HUM 2052	Civilization 2: Renaissance Through Modern (Prerequisite: COM 1102)	3	
	Restricted Elective (Mathematics)	3	
	<b>TOTAL</b>	<b>15</b>	

<b>JUNIOR YEAR – SPRING SEMESTER</b>			
CSE 4001	Operating Systems Concepts (Prerequisites: CSE 2050, CSE 3101 or ECE 2552; Corequisite: ECE 4551)	3	
CSE 4083	Formal Languages and Automata Theory (Prerequisites: CSE 2010)	3	
ECE 4551	Computer Architecture (Prerequisite: ECE 3551 or CSE 3101)	3	
	Liberal Arts Elective	3	
	Restricted Elective (Science)	3	
	Free Elective	3	
	<b>TOTAL</b>	<b>18</b>	
<b>SENIOR YEAR – FALL SEMESTER</b>			
CSE 4081	Introduction to Analysis of Algorithms (Prerequisites: CSE 2010)	3	
CSE 4101	Computer Science Projects 1 (Prerequisite: Senior standing in Computer Science option)	3	
	Restricted Elective (Computer Science)	3	
	Social Science Elective	3	
	Technical Elective or CWE 2001 Cooperative Education 2	3	
	<b>TOTAL</b>	<b>15</b>	
<b>SENIOR YEAR – SPRING SEMESTER</b>			
CSE 4102	Computer Science Projects 2 (Prerequisite: Prerequisite: Senior standing in Computer Science option)	3	
	Humanities Elective	3	
	Restricted Elective (Computer Science)	3	
	Restricted Elective (Computer Science)	3	
	Technical Elective	3	
	<b>TOTAL</b>	<b>15</b>	
	<b>TOTAL CREDITS REQUIRED</b>	<b>129</b>	
<b>TRANSFER CREDITS AND OTHER COURSES</b>			
Advisor	Department Head		
Date	Date		