

**BACHELOR OF SCIENCE DEGREE PROGRAM (2002-2003 CATALOG)
COMPUTER SCIENCE (7071)**

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| NAME | | STUDENT NO.: | |
| ADDRESS | | TELEPHONE NO.: | |
| | | E-MAIL | |
| COMMENTS | | | |
| COURSE # | COURSE DESCRIPTIONS | CR. | YEAR GRADE |
| FRESHMAN YEAR – FALL SEMESTER | | | |
| 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 | |
| ECE 1551 | Digital Logic | 4 | |
| MTH 2051 | Discrete Mathematics (Prerequisite: MTH 1000 or MTH 1001, or MTH 1702 or passing score on placement test) | 3 | |
| | TOTAL | 15 | |
| FRESHMAN YEAR – SPRING SEMESTER | | | |
| 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 | |
| | TOTAL | 17 | |
| SOPHOMORE YEAR – FALL SEMESTER | | | |
| 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 (Prerequisite: CSE 1002 and AT LEAST A “C” OR BETTER; co-requisite: MTH 2051) | 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 | |
| | TOTAL | 17 | |
| SOPHOMORE YEAR – SPRING SEMESTER | | | |
| 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 | |
| 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 | |
| | TOTAL | 17 | |
| JUNIOR YEAR – FALL SEMESTER | | | |
| CSE 3001 | Programming Language Concepts (Prerequisites: CSE 2010) | 3 | |
| CSE 3030 | Legal, Ethical & Social Issues in Computing (Prerequisites: COM2102, COM 2223 or COM 2224 and at least one of CES 1002, CSE 1502, CSE 1503, ECE 2551) | 3 | |
| CSE 3101 | Machine and Assembly Language (Prerequisite: CSE 1002 and ECE 1551) | 3 | |
| HUM 2052 | Civilization 2: Renaissance Through Modern (Prerequisite: COM 1102) | 3 | |
| | Restricted Elective (Mathematics) | 3 | |
| | TOTAL | 15 | |

| JUNIOR YEAR – SPRING SEMESTER | | | | |
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| CSE 4001 | Operating Systems Concepts (Prerequisites: CSE 2050, CSE 3101 or ECE 2552 and 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 | | |
| | TOTAL | 18 | | |
| SENIOR YEAR – FALL SEMESTER | | | | |
| 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 | | |
| | TOTAL | 15 | | |
| SENIOR YEAR – SPRING SEMESTER | | | | |
| 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 | | |
| | TOTAL | 15 | | |
| | TOTAL CREDITS REQUIRED | 129 | | |
| TRANSFER CREDITS AND OTHER COURSES | | | | |
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| Advisor | Department Head | | | |
| Date | Date | | | |