

APPLIED COMPUTER SCIENCE CURRICULUM SHEET

No Concentration

FRESHMAN (31)

| FALL | | | SPRING | | |
|----------|----------------------------------|----|----------|-------------------------------|----|
| MATH 122 | Survey of Calculus | 3 | MATH 174 | Discrete Mathematics | 3 |
| CSCI 125 | Introduction to Computer Science | 3 | ENGL 102 | Rhetoric & Composition | 3 |
| ENGL 101 | Critical Reading & Comp. | 3 | CSCI 145 | Algorithmic Design I | 4 |
| GEN ED | HIST 101 or 102 | 3 | CSCI 185 | Computer Applications & Prog. | 3 |
| ELECTIVE | Free Elective | 3 | GEN ED | Social/Behavioral Science | 3 |
| | | 15 | | | 16 |

SOPHOMORE (31)

| FALL | | | SPRING | | |
|----------|--------------------------------------|----|----------|------------------------------|----|
| CSCI 146 | Algorithmic Design II | 4 | CSCI 220 | Data Structures & Algorithms | 3 |
| CSCI 255 | Introduction to Information Security | 3 | CSCI 320 | Object-Oriented Programming | 3 |
| MATH 344 | Linear Algebra for CS and Eng. | 3 | CSCI 360 | Software Engineering | 3 |
| GEN ED | Tier 2 course | 3 | GEN ED | Fine Arts | 3 |
| GEN ED | COMM 201/241 | 3 | ELECTIVE | Free Elective | 3 |
| | | 16 | | | 15 |

JUNIOR (30)

| FALL | | | SPRING | | |
|----------|--------------------------------|----|----------|-------------------------|----|
| CSCI 225 | Web Development | 3 | ELECTIVE | CSCI Technical Elective | 3 |
| ELECTIVE | CSCI Technical Elective | 3 | CSCI 350 | Computer Graphics | 3 |
| CSCI 340 | Mobile Application Development | 3 | CSCI 415 | Computer Network | 3 |
| GEN ED | Tier 2 course | 3 | GEN ED | Humanities | 3 |
| ELECTIVE | CSCI Technical Elective | 3 | GEN ED | POLI 201, HIST 201/202 | 3 |
| | | 15 | | | 15 |

SENIOR (27)

| FALL | | | SPRING | | |
|----------|-------------------------|----|----------|-------------------------|----|
| CSCI 520 | Database System Design | 3 | GEN ED | Humanities | 3 |
| CSCI 591 | Capstone Seminar I | 3 | GEN ED | Natural science | 4 |
| ELECTIVE | CSCI Technical Elective | 3 | CSCI 592 | Capstone Seminar II | 3 |
| GEN ED | Natural Science | 4 | ELECTIVE | CSCI Technical Elective | 3 |
| | | 13 | ELECTIVE | Free Elective | 1 |
| | | | | | 14 |

Total Hours 120

TECHNICAL ELECTIVES

Departmental Approval

ADDITIONAL REQUIREMENTS

Three Writing Intensive Courses (at least one in major)

One 3-Credit Non-Western World Studies Course