# Computer Science

## Associate in Science Degree

This program is appropriate for students who intend to transfer to a four-year college and continue their studies in the field of computer science. Two high school mathematics courses or their equivalent are required.

**Total Credit Hours: 63**

### First Semester

- CF100 College Foundations Seminar 1.0
- CI110 Principles of Programming 3.0
- CI130 Programming in C++ 3.0
- EN101 English 1: Composition 3.0
- MA151 Calculus 1 4.0
- HI101 History of Civilization 1 3.0
- Physical Education Elective 0.5

### Second Semester

- CI230 Data Structures 3.0
- EN102 English 2: Ideas and Values in Literature 3.0
- MA152 Calculus 2 4.0
- PH115 Science of Multimedia 4.0
- SO101 Introduction to Sociology 3.0
- Physical Education Elective 0.5

### Third Semester

- Physics Elective (a) 4.0
- CI245 JAVA Programming 3.0
- CI285 Systems Operations & Management 3.0
- MA275 Discrete Algebraic Structures 4.0
- Physical Education Elective 0.5

### Fourth Semester

- CI260 Microcomputer Programming 3.0
- CI271 Database Design & Implementation 3.0
- Physics (a) 4.0
- Program Elective (b) 3.0
- Physical Education Elective 0.5

(a) Depending upon the school to which they plan to transfer, students should choose a two-course sequence in General Physics or Engineering Physics.

(b) To be chosen with permission of your advisor.