

# Computer Applications Programming

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## Associate in Applied Science Degree

The objectives of this curriculum are to prepare students for entry-level programming positions in a technical (non-business) environment or to transfer to a four-year college program. This curriculum requires more mathematics than the Computer Information Systems curriculum, but less than the Computer Science curriculum. One High School Mathematics Course or its equivalent is required.

**Total Credit Hours: 63 - 64**

### First Semester

CF100 College Foundations Seminar	1.0
EN101 English 1: Composition	3.0
CI110 Prin Programming	3.0
CI121 Microcmpr Tech for Sci	3.0
Any GE Mathematics Course	3.0 - 4.0
Any GE Social Science Course	3.0
Physical Education Elective	0.5

### Second Semester

EN102 English 2:Idea&Values Lit	3.0
CI130 Programming In C++	3.0
PH115 Science of Multimedia	4.0
Any GE Mathematics Course	3.0
Any GE Social Science Course	3.0
Physical Education Elective	0.5

### Third Semester

CI230 Data Structures	3.0
CI285 System & Oper Mgmt	3.0
PH114 Sci of Digital Imaging	4.0
Any GE Natural Science Course	4.0
Computer Language Elective (a)	3.0
Physical Education Elective	0.5

### Fourth Semester

CI256 Intro Prgmng for Internet	3.0
CI271 Database Design&Implement	3.0
CI272 Visual Basic	3.0
Computer Science Elective (b)	3.0
Physical Education Elective	0.5

(a) Computer Language Elective must be selected from the following:  
CI245 JAVA Programming or CI260 Microcomputer Programming.

(b) Computer Science Elective must be selected from the following:  
CI212 Internet Security, CI232 Security Policies, or CI242 CISCO Networking