

# Computer Information Systems

## Associate in Applied Science Degree

Information technology (IT) professionals take on many roles in business and academia from internet communications and hardware support to software development and maintenance. The CIS degree prepares students for these many roles by providing both theoretical and hands on work in established and emerging technologies. Program work includes application support, computer programming and operating systems, web design, cybersecurity, business fundamentals, data analytics, and networking. One high school mathematics course or its equivalent is required.

### Total Credit Hours: 64

#### First Semester

CF100 College Foundations Seminar	1.0
EN101 English 1: Composition	3.0
Business Management Elective (a)	3.0
AC110 Principles of Accounting	3.0
IS101 Computers and Society	3.0
MA110 Elementary Statistics	3.0
Physical Education Elective	0.5

#### Second Semester

EN102 English 2:Idea&Values Lit	3.0
CI104 Introduction to Cybersecurity	3.0
IS120 Cmptr Oper Systms&Envmnt	3.0
IS210 Database Design & Mngmnt	3.0
CI110 Prin Programming	3.0
Physical Education Elective	0.5

#### Third Semester

CI112 Networking Fundamentals	3.0
IS200 Spreadshet Concppts & Apps	3.0
GE Natural Science	4.0
Program Elective (b)	3.0
IS240 Networking Essentials	3.0
Physical Education Elective	0.5

#### Fourth Semester

EN153 Pra&Pro Written Comm	3.0
GE Social Science	3.0
Analytics Elective (c)	3.0
CI212 Internet Security	3.0
Program Elective (b)	3.0
Physical Education Elective	0.5

(a) Business Management Electives include: BM120 Principles of Marketing OR BM150 Small Business Management.

(b) Any AC, BM, CI or IS course not already required in the program except AC115, BM100, BM101, or IS100. BM290 Business Internship substitutes for one program elective.

(c) Analytics electives include: BA101 Intro to Analytics or CI271 Database Design & Implementation. Students should choose BA101 for a business focus and CI271 for a technology focus.

## Information Technology Support - Microcredential:

The IT Support Professional microcredential is designed to prepare students for an entry-level role in IT support. A job in IT can mean in-person or remote help desk work in a small business or at a global company. The microcredential will introduce IT troubleshooting and customer service, networking, operating systems, system administration and security. This microcredential, with integration into the Computer Information Systems program, is designed to prepare for employment in this continuously growing field as well as provide a foundation for further education. Courses included:

- IS101 Computer and Society 3 cr.
- IS120 Computer Operating Systems and Environments 3 cr.
- IS201 Principles of Computer Security 3 cr.
- IS240 Networking Essentials 3 cr.