# COMPUTER INFORMATION SYSTEMS, ASSOCIATE IN APPLIED SCIENCE

College(s): DA*, HW*, KK*, MX*, OH*, TR*, WR*

Program Code: 0011

*Beginning Summer 2016, this program is no longer accepting new students. Please refer to CCC's other IT offerings.*

## Program Requirements

| Code | Title | Hours |
|------|-------|-------|
| **General Education Coursework** | | |
| ENGLISH 101 | | 3 |
| Additional General Education Courses [1,2] | | 12 |
| **Required Program Core** | | |
| CIS 101 | Computer Science 101 | 3 |
| CIS 120 | Introduction to Computer Applications | 3 |
| CIS 250 | Systems Analysis and Design | 3 |
| BUSINES 111 | Introduction To Business | 3 |
| BUSINES 181 | Financial Accounting | 4 |
| BUSINES 182 | Managerial Accounting | 4 |
| MATH 118 | General Education Math (or higher) | 4 |
| Select a minimum of 12 credit hours of the following: | | 12 |
| CIS 103 | Fundamentals of Programming | |
| CIS 122 | Intro to Word Processing on Microcomputers | |
| CIS 142 | C++ Object Oriented Programming I | |
| CIS 144 | Java Object Oriented Programming I | |
| CIS 145 | Database Management | |
| CIS 158 | Web Development I | |
| CIS 181 | Web Development I/Basic Web Technologies | |
| CIS 182 | Web Development II/Client Side Scripting | |
| CIS 244 | Java Object Oriented Programming II | |
| CIS 258 | Web Development II | |
| **Electives** | | |
| Students should meet with a College Advisor for selection of elective courses. | | 9 |
| **Total Hours** | | **60** |

[1] Select an additional 12 hours of general education courses from Communications, Fine Arts & Humanities, Mathematics, Social and Behavioral Sciences, or Physical Sciences & Life Sciences.

[2] At least one course must meet the Human Diversity (HD) requirement.