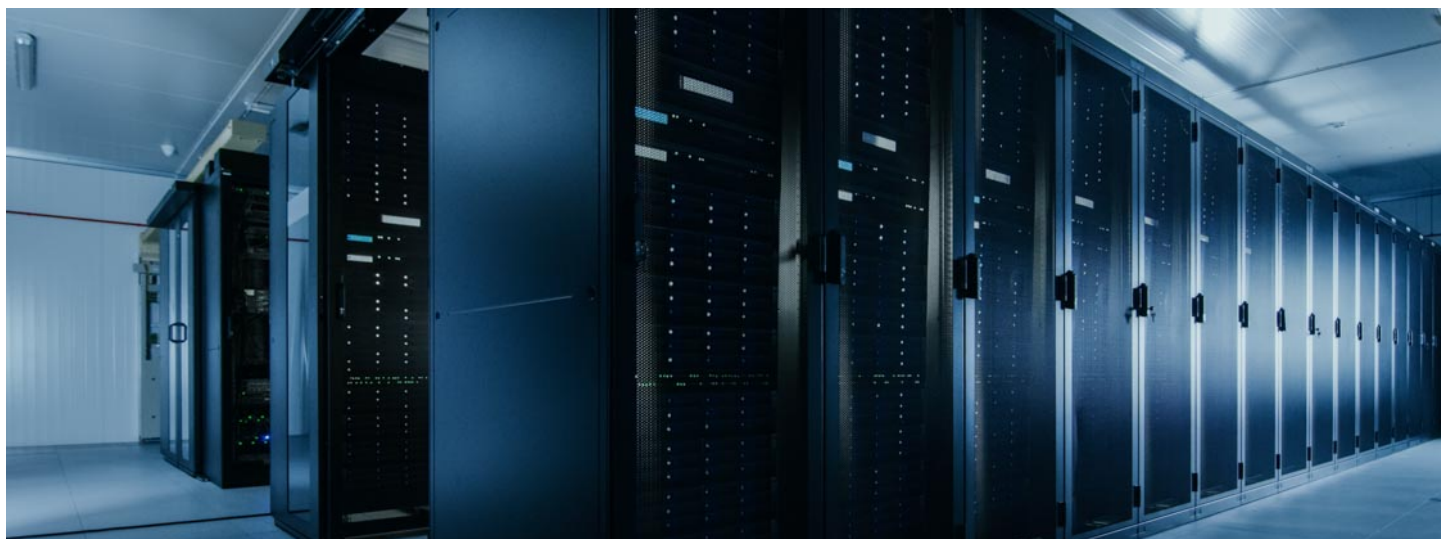


COMPUTER INFORMATION SYSTEMS, BASIC CERTIFICATE



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

Program Code: 0012

**Beginning Summer 2016, this program is no longer accepting new students at DA, KK, MX, OH, or WR. Please refer to CCC's other IT offerings.*

Program Requirements

| Code | Title | Hours |
|--|--|-----------|
| Required Program Core | | |
| CIS 101 | Computer Science 101 | 3 |
| CIS 120 | Introduction to Computer Applications | 3 |
| Electives | | |
| Select a minimum of 6 credit hours of the following or others as recommended by a College Advisor. | | 6 |
| 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 | |
| Total Hours | | 12 |