

# COMPUTER INFORMATION SYSTEMS, CERTIFICATE

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## Program Description

The Computer Information Systems (CIS) One-Year Certificate is designed to prepare students for entry-level employment in the computer area, while developing general problem-solving and troubleshooting skills that can be applied to networking, server, computer, web, and business programming environments.

## Program Outcomes

Students who successfully complete the Computer Information Systems Pathway Certificate will:

1. Develop critical thinking and problem-solving skills by working with hardware, networks, and software through programming logic and hands-on lab assignments
2. Install and configure various operating systems
3. Use Microsoft Office applications to solve common business problems

## Career Considerations

The one-year certificate program is designed to prepare students for employment in (or for a job path leading to) any one of several entry-level career opportunities as listed by the Oregon Department of Labor. The Network and Computer Systems Administrator, Computer Support Specialist, Computer Operator, Computer and Information Systems Manager, Computer Programmer, Network Administrator, Network Systems and Communications Analyst, Internet Service Technician, and Database Administrator are among those targeted job paths or job market careers.

## Program Course Requirements

| Course                       | Title                                   | Credits   |
|------------------------------|---|-----------|
| <b>First Year</b>            |   |           |
| <b>First Term</b>            |   |           |
| CIS 120                      | Intro to Digital Literacy               | 4         |
| CIS 122                      | Orientation to Programming              | 4         |
| CIS 140M                     | Intro to MS Operating Systems           | 4         |
| MTH 110                      | Foundations for Precalculus (or higher) | 4         |
| <b>Credits</b>               |   | <b>16</b> |
| <b>Second Term</b>           |   |           |
| CIS 133CS                    | Intro to Programming I                  | 4         |
| CIS 240M                     | Windows Server Admin I                  | 4         |
| <b>Credits</b>               |   | <b>8</b>  |
| <b>Third Term</b>            |   |           |
| CIS 151C                     | Introduction to Networks                | 4         |
| CIS 233CS                    | Intro to Programming II                 | 4         |
| CIS 275                      | Intro to Database Mgmt Sys I            | 4         |
| CIS 279M                     | Windows Server Admin II                 | 4         |
| <b>Credits</b>               |   | <b>16</b> |
| <b>Total Minimum Credits</b> |   | <b>40</b> |

## Advising Notes

- Self placement into MTH 104 (MTH 65) or higher and WR 115 or higher are required for entry into the CIS program.