

## COMPUTER INFORMATION SYSTEMS

### Computer Information Systems Associate of Applied Science

#### PROGRAM MISSION

The Computer Information Systems program provides students with a quality education that motivates them to reach their full potential through up-to-date course content, relevant lab experiences, and real-world work experience.

#### PROGRAM DESCRIPTION

The Computer Information Systems (CIS) program is designed to prepare students for 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 Associate of Applied Science in Computer Information Systems 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
4. Demonstrate the skills necessary for entry- or mid-level employment in the Computer Information Systems field

#### CAREER CONSIDERATIONS

The CIS program is designed to prepare students for employment in (or for a job path leading to) any one of several career opportunities as listed by the Oregon Department of Labor. The Network and Computer Systems Administrators, 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

##### Year One

CIS 120	Introduction to Digital Literacy	4
CIS 122	Orientation to Programming	4
CIS 133CS	Introduction to Programming I	4
CIS 140M or CIS 140L	Introduction to Microsoft Operating Systems Introduction to Linux Operating System	4 4
CIS 151C	Introduction to Networks	4
CIS 233CS	Introduction to Programming II	4
CIS 240M	Installing & Configuring Microsoft Windows Server	4
CIS 275	Introduction to Database Management Systems I	4
CIS 279M	Microsoft Windows Server Administration I	4
MTH 095	Intermediate Algebra (or higher)	4
PSY 101	Psychology of Human Relations	3
WR 121	Academic Composition*	4
Electives from the approved list below*		3
BA 101, BA 214, BA 218, BA 226, ENGR 111, ENGR 112A, ENGR 112B, HPE 295, WR 122, WR 227		

##### Year One Credits 50

##### Year Two

CIS 125D	Computer Applications – Database Software	3
CIS 125S	Computer Applications – Spreadsheets	3
CIS 152C	Switching, Routing and Wireless Essentials	4
CIS 153C	Enterprise Networking, Security, & Automation	4
CIS 195	Authoring for the World Wide Web I	4
CIS 276	Introduction to Data Management Systems II	4
CIS 280	Cooperative Work Experience: CIS	2
CIS 284	Network Security Fundamentals	4
CIS 288M	Microsoft Windows Server Administration II	4
CIS 295	Authoring for the World Wide Web II	4
SP 111	Fundamentals of Public Speaking	4

##### Year Two Credits 40

\* A grade of C or better must be attained in the courses indicated.