COMPUTER INFORMATION SYSTEMS, ASSOCIATE OF APPLIED SCIENCE

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

Course	Title	Credits
First Year		
First Term		
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
	Credits	**16**
Second Term		
CIS 133CS	Intro to Programming I	4
CIS 240M	Windows Server Admin I	4
PSY 101	Psychology of Human Relations	3
WR 121Z	Composition I [1]	4
	Credits	**15**
Third Term		
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
	Credits	**16**
Second Year		
First Term		
CIS 152C	Switch Rout Wireless Ess	4
CIS 195	Authoring for the Web I	4
CIS 276	Intro to Database Mgmt Sys II	4
CIS 288M	Windows Server Admin III	4
	Credits	**16**
Second Term		
CIS 153C	Ent Netwrk Security Automation	4
CIS 284	Network Security Fundamentals	4
CIS 295	Authoring for the Web II	4
WR 122Z	Composition II [3]	4
	Credits	**16**
Third Term		
CIS 280	CWE-CIS [2]	2
COM 218Z or COM 111Z	Interpersonal Communication or Public Speaking	4
HPE 295	Wellness-Hlth Assess [3]	3
WR 227Z	Technical Writing [3]	4
	Credits	**13**
	Total Minimum Credits	**92**

[1] A grade of "C" or better must be attained in the courses indicated.
[2] CIS 280 can be taken during the summer if needed.
[3] Any approved elective can be taken (9 credits). See advisor for list of course options.

Advising Notes

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