

## COMPUTER INFORMATION SYSTEMS

### 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.

#### Pathway Certificate (12 credit minimum)

- Cisco Networking Security Support Technician
- Microsoft Networking Support Technician
- Server Administrator
- Junior Database Administrator
- Junior Web Developer
- Junior Programmer

#### One-Year Certificate (51 credit minimum)

- Computer Information Systems

#### AAS Degree

- Computer Information Systems (90 credit minimum)
- Cybersecurity (92 credit minimum)

## COMPUTER INFORMATION SYSTEMS

### Cisco Networking Security Support Technician Pathway Certificate

\*Pending approval from Higher Education Coordinating Commission (HECC)

### PROGRAM MISSION

The Cisco Networking Security Support Technician certificate program provides students with a quality education that motivates them to reach their full potential through up-to-date Cisco Networking Academy course content, relevant lab experiences, and real-world course material.

### PROGRAM DESCRIPTION

The Cisco Networking Security Support Technician is designed to equip students to analyze, design, and implement network systems, troubleshoot and solve problems, and demonstrate the skills necessary to obtain entry-level employment, or earn an AAS degree in a Computer Information Systems degree program.

### PROGRAM OUTCOMES

Students who successfully complete the Cisco Networking Security Support Technician Pathway Certificate will:

1. Analyze, design, implement and support basic network systems such as Cisco routers and switches.
2. Exhibit problem-solving and critical thinking skills in an individual and/or team environment.

### CAREER CONSIDERATIONS

Students completing the courses necessary to earn the Cisco Networking Security Support Technician certificate will possess the skills needed to analyze, design, implement, and support Cisco routers and switches in a small- to medium-sized standalone or domain-based environment; and exhibit problem-solving and critical thinking skills in an individual and/or team environment.

### PROGRAM COURSE REQUIREMENTS

#### Year One

CIS 140L	Introduction to Linux Operating System	4
or CIS 140M	Introduction to Microsoft Operating Systems	4
CIS 151C	Introduction to Networks	4
CIS 152C	Switching, Routing and Wireless Essentials	4
CIS 153C	Enterprise Networking, Security, & Automation	4
CIS 240M	Installing and Configuring Microsoft Windows Server	4

**Total Credits 20**