

COMPUTER INFORMATION SYSTEMS

PROGRAM DESCRIPTION

The Computer Information Systems (CIS) program is a two-year sequence of classes designed to prepare students for employment in the computer area as an entry-level network administrator, computer support person, web designer, or computer programmer, while developing general problem-solving and troubleshooting skills that can be applied to networking, server, computer, web, and business programming environments. The CIS program has multiple educational and career pathways and includes the following degrees and certificates:

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 (95 credit minimum)

- Computer Information Systems
- Cybersecurity

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Cisco Networking Security Support Technician Pathway Certificate

PROGRAM MISSION

The Cisco Networking Security Support Technician certificate is to provide students with a quality education that motivates students to reach their full potential through up-to-date Cisco networking security course content, and outstanding instruction.

PROGRAM DESCRIPTION

The Cisco Networking Security Support Technician is designed to prepare students with analyzing, designing, and implementing network systems, general problem-solving, and troubleshooting skills necessary to obtain entry-level work, or continue towards their AAS in Computer Information Systems.

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	Networking Essentials	4
CIS 152C	Introduction to Basic Switching and Routers	4
CIS 240M	Installing and Configuring Microsoft Windows Server	4
CIS 285B	Advanced Network Device Security (CCNA Security)	4

Total Credits 20