

## IT NETWORK TECHNICIAN

Technical Diploma

### About the IT Network Technician Program

Provides student the skills necessary to support Local and Wide Area Networks. Students will be able to manage, configure and troubleshoot common network infrastructure issues, including network switching, IP routing, IP services, network device security. Students will acquire a solid foundation in IP addressing. This diploma will prepare the student for the Cisco Certified Entry Network Technician (CCENT) exam.

### PROGRAM OUTLINE

TERM 1		
Course #	Course Title	Credits
1015425000	IT Security Basics In this course, you will explore basic IT security and the threats and countermeasures that can be used to protect the infrastructure. Prerequisite: 1015011400 Cisco Networking 1 (C or better).	1.00
1015425500	IT Security Monitoring In this course, you will identify and use tools to monitor activity on the network to ensure a secure work environment. Prerequisite: 1015011400 Cisco Networking 1 (C or better).	1.00
1015426000	IT Security Management In this course, you will explore the how to manage and maintain a secure IT Infrastructure. Prerequisite: 1015011400 Cisco Networking 1 (C or better).	1.00
1080119500	Written Communication Develops writing skills which include prewriting, drafting, revising, and editing. A variety of writing assignments is designed to help the learner analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Also develops critical reading and thinking skills through the analysis of a variety of written documents.	3.00
1015011400	Cisco Networking 1 This course explores enterprise networking protocols, numbering systems, media access control, Ethernet, ARP and ND communication, IPv4 and IPv6 addressing, and security on routers and switches. This course is the first of three aligned with the Cisco CCNA (200-301) certification exam.	3.00
1015013000	Cisco Networking 2 This course explores enterprise networking security, Layer 2 switching, VLAN and trunking implementation, STP redundancy, EtherChannel, DHCPv4, IPv6 dynamic addressing, WLAN connectivity, router forwarding, and static route configuration. This course is the second of three aligned with the Cisco CCNA (200-301) certification exam.	3.00
1015014500	Cisco Networking 3 This course explores enterprise networking security, OSPF and OSPFv2, ACLs, NAT services, WAN access technologies, VPNs, QoS, management, scalability, virtualization, and automation. This course is the third of three aligned with the Cisco CCNA (200-301) certification exam.	3.00

**Total Credits: 15.00**

Talk with a Success Coach about the program outline. Together, you will determine if credits you've already earned satisfy any requirements, discuss possible alternative courses, and choose the best classes if you're thinking of transferring.

# AT A GLANCE

## How You'll Learn



ONLINE CLASSES MULTIPLE START DATES FLEXIBLE PACE

## 2023 Start Dates

January 9	May 8	September 5
February 6	June 5	October 2
March 6	July 3	November 6

## 2024 Start Dates

January 8	May 6
February 5	June 3
March 4	July 1

[VIEW FULL ACADEMIC CALENDAR](#)

## What is Competency-Based Education?

Competency-Based Education (CBE) is learning at your own pace by mastering competencies through demonstration. Once all competencies for a program have been assessed and mastered, students will earn a certificate, diploma, or degree.

[LEARN MORE ABOUT CBE](#)

## Approximate Cost

**\$2,344\***

\*Based on 10-level courses—materials, books, and fees may be additional

## What You'll Learn

- Support basic computer networks
- Support client systems
- Utilize network operating systems
- Apply basic IT security principles

## Your Potential Careers

- Information Technology Network

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## Median Annual Salary

\$65,077

\$69,117

\$65,302

Local

State

National

EMSI 2022.1

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## Get Started

Your application can be submitted online, it takes just a few minutes to complete.

[APPLY NOW](#)