

Network+

CompTIA Network+ Certification Exam Preparation

Course Description

This continuing education course is designed for professionals pursuing training in networking and provides instruction on foundational network and network security principles and practices. Topics include network architecture, operations, security, troubleshooting, applying industry standards and practices, as well as network theory.

Course Objectives

Upon completion of this course, the students will be able to:

- Explain the functions and applications of various network devices and employ the basics of network theory and concepts;
- Implement a troubleshoot methodology;
- Establish appropriate security elements to ensure network availability and optimum performance;
- Set, monitor and maintain wired, as well as wireless, networking environments;
- Prepare, in part for the CompTIA Network+ certification exam.

Course Outline

- I. Network Fundamentals and Theory
 - A. Bounded and unbounded network media
 - B. TCP/IP addressing, data delivery and services
 - C. WAN infrastructure
 - D. Cloud and virtualization technologies
- II. Network Security
 - A. Introduction and basics
 - B. Preventing security breaches
 - C. Responding to security incidents
 - D. Basic forensic concepts
- III. Troubleshooting Network Issues
 - A. Models and utilities
 - B. Common connectivity issues
 - C. Security configuration issues
 - D. Hardware troubleshooting tools
- IV. Industry Standards and Practices
 - A. Network and security policies
 - B. Standard business documents
 - C. Safety practices

D. Emergency procedures

Training: 40 hours