Course Details | Common Questions

Duration

5 Days

8 AM-4:30 PM Central Daily

Course skill level

- Foundation
- ✓ **Intermediate**
- Advanced

This course qualifies for

3.0 CEUs

29 NASBA CPEs

Technology used during course

- AnyWare Classes use Zoom

Who should attend (Audience)

Application Administrators, End Point Technical Specialists, Network Administrators and Specialists, Workstation Specialists, and other IT Professionals with experience in IT networking who are involved in designing, configuring, installing, or maintaining a network and wants to achieve the CompTIA Network+ Certification.

What is this course about?

CompTIA Network+ is a globally recognized, vendor-neutral networking certification that validates the knowledge and skills needed to confidently design, configure, manage, and troubleshoot networks. This CompTIA Network+ training course prepares you for the CompTIA Exam N10-008, covering wireless and wired network management, mobility, virtualization, security, protocols, standards, and troubleshooting procedures. Plus, receive a study guide, labs, and practice questions and a CompTIA Network+ exam voucher to get you set for success.

Please note:

This course has extended hours of 8 AM-4:30 PM Central Daily

You will also receive:

- CompTIA Network+ N10-008 Exam Cram (7th Edition)
- CompTIA Network+ exam voucher that enables you to take the exam at any Pearson VUE Test Center

Recommended prerequisites

- T450 - Introduction to Networking

  or

- T460 - Introduction to Networking (multi-week)

Previous knowledge & experience needed

- You should have foundational knowledge of networking concepts
- 9 to 12 months of experience in IT networking

Course Details

Module 1: Networking Fundamentals

In this module, you will learn:
- Open Systems Interconnection (OSI) model layers and encapsulation concepts
- Characteristics of network topologies and network types
- Types of cables and connectors and explain which is the appropriate type for a solution
- Configuring a subnet and using appropriate IP addressing schemes given a scenario
- Common ports and protocols, their application, and encrypted alternatives
- Applications and purpose of network services
- Basic corporate and datacenter network architecture
- Cloud concepts and connectivity options

Module 2: Network Implementations

In this module, you will learn about:
- Various devices, their features, and their appropriate placement on the network
- Routing technologies and bandwidth management concepts
- Configuring and deploying common Ethernet switching features given a scenario
- Installing and configuring the appropriate wireless standards and technologies given a scenario

Module 3: Network Operations

In this module, you will learn how to:
- Use the appropriate statistics and sensors to ensure network availability
- Use organizational documents and policies
- Navigate high availability and disaster recovery concepts and summarize which is the best solution

Module 4: Network Security

In this module, you will learn:
- Common security concepts
- Common types of attacks
- How to apply network hardening techniques given a scenario
- Remote access methods and security implications
- The importance of physical security

Module 5: Network Troubleshooting

In this module, you will learn about:
- Network troubleshooting methodology
- Troubleshooting common cable connectivity issues and selecting the appropriate tools
- Using the appropriate network software tools and commands
- Troubleshooting common wireless connectivity issues
- Troubleshooting general networking issues, given a scenario

Course T453 Outline
CompTIA Network+ Certification Exam Prep
(formerly Network Configuration and Troubleshooting)

IT ACADEMY TRAINING

Course Details | **Common Questions**

Common Questions – Attendance Policy, Contacts

What is the Attendance Policy for IT Academy Classes?
IT Academy attendees are expected to adjust their work schedule to match the IT Academy class hours of 8:00am – 4:00pm. 100% attendance is expected in each IT Academy class. Missing time in class may result in the following:

- No Show=Employees who do not show up for class or arrive more than one (1) hour after the start of class will be advised to reschedule for the next available course.
- Incomplete=Employees missing a half day or more of class-any day of class-will be advised to reschedule for the next available course. Employees not available to sit for the post-test will be considered incomplete.

AnyWare Technical Support contact?
AnyWare@LearningTree.com, 1-877-653-8733

IT Academy Classroom Point of Contact?
Christopher Marsh, Christopher.marsh@tn.gov, 615-532-5517

How do I access the new My IT Academy Portal?
1. Log into Edison
2. ELM Learning Home Page
3. Quick Links
4. My IT Academy (last link under Quick Link)

For more FAQs visit the IT Academy AEM Site
https://www.teamtn.gov/sts/sts-employee-engagement/itacademytn/it-academy-toolkit/faqs.html