

# **CompTIA Network+ (Exam N10-007) (ComptiaNet)**

**Modality: On Demand**

**Duration: 16 Hours**

## **About this Course:**

This course has been designed to be undertaken by all those who wish to occupy a network technician job role and want to upgrade their skill set by becoming certified with the CompTIA Network+ credential.

## **Course Objectives:**

Once the course is complete, the candidate will be able to

- Explain what bounded networking media is
- Identify major network communication methods along with basic network theory concepts.
- Explain what unbounded network media is
- Identify TCP/IP data delivery and addressing methods
- Analyze switching and routing technologies
- Identify the major kinds of network deployments
- Identify TCP/IP deployment components
- Deploy network security
- Analyze network security
- Identify virtualization and cloud computing components
- Identify WAN deployment components
- Identify remote network deployment components
- Troubleshoot network issues
- Manage networks

## **Audience:**

- The course is intended to be undertaken by computer support professionals who may be either looking for or occupying entry level positions, having a basic knowledge of computer software, hardware, and operating systems. It is also intended to be opted for by those who wish to take the CompTIA® Network+® (Exam N10-005). Additionally, anybody who wants to enhance their understanding and knowledge of networking concepts while gaining the skills needed to excel in network support career or administration career, then this course is a must for them.
- The candidate opting for this course must have at least 9 months of computer support experience as a help desk or PC technician. Having prior experience in networking or A+ certification will become a huge advantage, but it is not mandatory for the candidate to have these before enrolling in this course.

## **Prerequisites:**

In order to be successful and clear the exam associated with this course, you must have basic knowledge and skills of using Windows end-user computer. In order to meet this requirements, you can choose from any one of the Element K courses mentioned below:

- Windows XP Professional: An Introduction
- Introduction to Personal Computers: Using Windows XP
- Microsoft® Windows® 7: Level 1
- Microsoft® Windows® 7: Level 2
- Introduction to Personal Computers: Using Windows 7
- Recommended to pass CompTIA A+ certification A Comprehensive Approach (Exams 220-901 and 220-902), or uivalent knowledge, with 6 - 9 months experience in networking.

## Course Outline:

- Instructor Bio
- Course Introduction
- Chapter 01 - Explaining the OSI and TCP/IP Models
- Chapter 02 - Explaining Properties of Network Traffic
- Chapter 03 - Installing and Configuring Switched Networks
- Chapter 04 - Configuring IP Networks
- Chapter 05 - Installing and Configuring Routed Networks
- Chapter 06 - Configuring and Monitoring Ports and Protocols
- Chapter 07 - Explaining Network Application and Storage Issues
- Chapter 08 - Monitoring and Troubleshooting Networks
- Chapter 09 - Explaining Network Attacks and Mitigations
- Chapter 10 - Installing and Configuring Security Devices
- Chapter 11 - Explaining Authentication and Access Controls
- Chapter 12 - Deploying and Troubleshooting Cabling Solutions
- Chapter 13 - Implementing and Troubleshooting Wireless Technologies
- Chapter 14 - Comparing and Contrasting WAN Technologies
- Chapter 15 - Using Remote Access Methods
- Chapter 16 - Identification Site Policies and Best Practices
- Course Summary