

## CompTIA Network+ Certification

### Overview

This course builds on your existing user-level knowledge and experience with personal computer operating systems and networks to present the fundamental skills and concepts that you will need to use on the job in any type of networking career. It also addresses the content described in the exam objectives for the CompTIA Network+ certification. If you are pursuing a CompTIA technical certification path, obtaining the CompTIA® A+® certification is an excellent first step to take before preparing for the CompTIA Network+ N10-007 examination.

### Prerequisites

- CompTIA A+ Certification
- Using Microsoft Windows 10

### Prerequisite Comments

To ensure your success in this course, you will need basic Windows end-user computer skills.

In order to obtain the Network+ certification students must pass the CompTIA® Network+® (Exam N10-007).

### Target Audience

This course is intended for entry-level computer support professionals with a basic knowledge of computer hardware, software, and operating systems who wish to increase their knowledge and understanding of networking concepts and acquire the required skills to prepare for a career in network support or administration, or who wish to prepare for the CompTIA Network+ certification (Exam N10-007). A typical student taking the CompTIA® Network+® (Exam N10-007) course should have a minimum of nine months of professional computer support experience as a PC or help desk technician. Networking experience is helpful but not mandatory; A+ certification or equivalent skills and knowledge is helpful but not mandatory.

### Course Objectives

In this course, you will describe the major networking technologies and systems of modern networks, and configure, manage, and troubleshoot

[Register Online](#)

### Schedule

Class Length: 5 Days

G2R = "Guaranteed to Run" | OLL = "Online LIVE"  
 ILT = "Instructor-Led-Training" | HDL = "Hosted Distance Learning"

11/09/20	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
11/09/20	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
11/16/20	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
11/16/20	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
11/30/20	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
11/30/20	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
12/07/20	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
12/07/20	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
12/14/20	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
12/14/20	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
01/04/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
01/04/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
01/18/21	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
01/18/21	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00

modern networks.

You will:

- Identify basic network theory concepts and major network communications methods.
- Describe bounded network media.
- Describe unbounded network media.
- Identify the major types of network implementations.
- Identify TCP/IP addressing and data delivery methods.
- Analyze routing and switching technologies.
- Identify the components of a TCP/IP implementation.
- Analyze network security.
- Implement network security.
- Identify the components of a WAN implementation.
- Identify the components used in cloud computing and virtualization.
- Identify the components of a remote network implementation.
- Manage networks.
- Troubleshoot network issues.

## Course Outline

### 1 - Network Theory

Network Types  
 Network Standards and the OSI Model  
 Data Transmission Methods

### 2 - Bounded Network Media

Copper Media  
 Fiber Optic Media  
 Bounded Network Media Installation

### 3 - Unbounded Network Media

Wireless Networking  
 Wireless Network Devices and Components  
 Implement Wireless Technology  
 Internet of Things

### 4 - Network Implementations

Physical Network Topologies  
 Logical Network Topologies  
 Ethernet Networks  
 Network Devices

02/01/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
02/01/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
02/15/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
02/15/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
03/01/21	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
03/01/21	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
03/15/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
03/15/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
03/29/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
03/29/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
04/05/21	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
04/05/21	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
04/12/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
04/12/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
04/26/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
04/26/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00

### 5 - TCP/IP Addressing and Data Delivery

The TCP/IP Protocol Suite  
 IPv4 Addressing  
 Default IP Addressing Schemes  
 Create Custom IP Addressing Schemes  
 IPv6 Addressing

### 6 - Routing and Switching

Switching  
 Network Packet Routing  
 Static and Dynamic IP Routing  
 VLANs

### 7 - TCP/IP Implementation

Configure IP Addresses  
 Naming Services  
 TCP/IP Utilities  
 Common TCP/IP Protocols

### 8 - Network Security Analysis

Introduction to Network Security  
 Network Security Policies  
 Physical Security  
 Common Network Attacks

### 9 - Network Security Implementation

Authentication  
 Access Control  
 Port, Service, and Protocol Security  
 Wireless Network Security  
 Patches and Updates  
 Mitigation Techniques

### 10 - WAN Infrastructure

WAN Basics  
 WAN Connectivity Methods  
 WAN Transmission Technologies  
 VoIP

05/10/21	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
05/10/21	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
05/17/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
05/17/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
05/24/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
05/24/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
06/14/21	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
06/14/21	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00
06/28/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,475.00
06/28/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,475.00

## 11 - Cloud and Virtualization Techniques

Virtualization Technologies  
Network Storage Technologies  
Cloud Computing

## 12 - Remote Networking

Remote Network Architectures  
Remote Access Networking Implementations  
Virtual Private Networking

## 13 - Network Management

Monitor Networks  
Document the Network  
Establish Baselines  
Optimize Network Performance  
Ensure Business Continuity

## 14 - Troubleshooting Network Issues

Network Troubleshooting Methodology  
Network Troubleshooting Tools  
Troubleshoot Wired Connectivity and Performance Issues  
Troubleshoot Wireless Connectivity and Performance Issues  
Troubleshoot Network Service Issues

## Related Courses, Certifications, Exams \_\_\_\_\_

- CompTIA A+ Certification (Exams 220-901 and 220-902)
- Using Microsoft Windows 10
- CompTIA Security+ Certification 2018
- CompTIA A+ Certification (Exams 220-901 and 220-902)
- CompTIA Network+
- N10-007 - CompTIA Network+