CompTIA Network+
LEARNING OBJECTIVES

Technology is complicated. It moves fast. It's always evolving. And it's essential to the success of any business — big or small. That means there's plenty of opportunity for professionals with a knack for IT security, OS installation, and firewall maintenance. But quality online IT certificate programs are few and far between. With our training, you'll gain the knowledge and skills you need to install, configure, and maintain a network for a small business. And, we prepare learners to take the Network+ N10-007 exam—1 free voucher included with the course.

Getting Started
- Get a thorough introduction to the course and review procedures and expectations.

Introduction to Networking
- Discuss network topologies, the osi model, network protocols, and numbering systems.

Network Infrastructure and Documentation
- Learn how to maintain technical records of the hardware, software, servers, directory structure, user profiles, and data.

Addressing on Networks
- Understand the importance of network addressing and learn how it's configured.

Network Protocols and Routing
- Review routing basics, routing protocols, network address translation, and routing troubleshooting.

Network Cabling
- Differentiate twisted pair, coaxial, and fiber-optic cables.
- Review wiring implementation and troubleshooting.

Wireless Networking
- Discuss wireless concepts, standards, configuration, network design, and security.

Virtualization and Cloud Computing
- Learn about network-based storage, voice over IP (VOIP), virtual networking, and cloud computing.

Subnets and VLANs
- Learn the difference between subnets and VLANs and how they work together in network settings.

Network Risk Management
- Learn to assess overall network security and mitigate risks.

Security in Network Design
- Troubleshoot network security issues.

Network Performance and Recovery
- Learn how to find failures and outages across entire networks and maintain performance.

Wide Area Networks
- Review WAN concepts, connections, and troubleshooting.
- Discuss network policies and procedures, and risk management.

Course Completion Information
- Review and discuss next steps after course completion.

Total Hours: 72