



BREWSTER TECHNOLOGY

COMPUTER TRAINING & SERVICE

www.brewstertech.com

16 MOUNT EBO ROAD SOUTH, SUITE 18 • BREWSTER • NEW YORK • 10509
Phone - (845) 279-9400 • Fax - (845) 279-9413

What's in Network+ Certification:

Network+ is a 30 hour course that teaches students the fundamentals of networking. Through hands-on training, students learn the vendor-independent networking skills and concepts that affect all aspects of networking, such as installing and configuring the TCP/IP client. The course also helps to prepare students for the current CompTIA Network+ exam.

Target Audience:

Networking professionals employed at corporations, government organizations, and information technology companies.

Job Responsibilities:

Implementing the installation of a network; maintaining and supporting the network; and troubleshooting the network.

Prerequisites:

Students should have A+ certification or equivalent experience.

Duration:

30 Hours



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Topics Covered:

Network Theory

- Networking Overview
- Network Standards and the OSI Model
- Network Types
- Identify Network Configurations
- Data Transmission Methods

Bounded Network Media

- Copper Media
- Fiber Optic Media
- Bounded Network Media Installation
- Noise Control

Unbounded Network Media

- Wireless Networking
- Wireless Network Devices and Components
- Install a Wireless Network

Network Implementations

- Physical Network Topologies
- Logical Network Topologies
- Ethernet Networks
- Network Devices
- VLANs

TCP/IP Addressing and Data Delivery

- The TCP/IP Protocol Suite
- IPv4 Addressing
- Default IP Addressing Schemes
- Create Custom IP Addressing Schemes
- IPv6 Address Implementation
- Delivery Techniques

Routing

- Enable Static Routing
- Implement Dynamic IP Routing

TCP/IP Services

- Assign IP Addresses
- Domain Naming Services
- TCP/IP Commands
- Common TCP/IP Protocols

WAN Infrastructure

- WAN Basics
- WAN Connectivity Methods
- WAN Transmission Technologies
- Unified Communication Technologies

Cloud and Virtualization Technologies

- Virtualization
- SAN Implementations
- Cloud Computing

Network Security Basics

- Introduction to Network Security
- Vulnerabilities
- Threats and Attacks
- Authentication Methods
- Encryption Methods

Preventing Security Breaches

- Physical Security Controls
- Network Access Controls
- Install and Configure Firewalls
- Harden Networks

- Intrusion Detection and Prevention
- Educate Users

Responding to Security Incidents

- Incident Management and Response
- Basic Forensic Concepts

Remote Networking

- Remote Network Architectures
- Remote Access Networking Implementations
- Virtual Private Networking
- VPN Protocols

Network Management

- Network Monitoring
- Configuration Management Documentation
- Network Performance Optimization

Troubleshooting Network Issues

- Network Troubleshooting Models
- Network Troubleshooting Utilities
- Hardware Troubleshooting Tools
- Common Connectivity Issues
- Troubleshoot Security Configuration Issues
- Troubleshoot Security Issues