CompTIA Network+ 2005

- **Course Number:** N10-003
- **Length:** 5 Day(s)

Certification Exam

This course will help you prepare for the following exam:

- **CompTIA Exam N10-003 :** Network+

Course Overview

Students learn networking technology and practices in Media and Topologies, Protocols, Network Implementation, and Network Support.

Prerequisites

At least nine months of experience in network support or administration or adequate academic training along with an A+ certification is recommended but not required.

Audience

This course is intended for technicians with 18 to 24 months of experience in the IT industry.

Course Outline

- Domain 1 - Network Topologies
- 1.1 Network Technologies
- 1.2 Token Ring
- 1.3 Fiber Distributed Data Interface
- 1.4 Wireless
- 1.6 Logical Link Control
- 1.7 10BASE
- 1.8 100BASE
- 1.9 1000BASE
- 1.10 10GBASE
- 1.11 Media Connectors
- 1.12 RJ11 and RJ45
- 1.13 F-Type
- 1.14 Straight Tip and Standard Connector
- 1.15 FireWire
- 1.16 Media Types
- 1.17 Network Components
- 1.18 Wireless Technologies
- 1.19 Wireless Service Factors
- Domain 2 - Protocol Standards
- 1.1 MAC Addresses
- Lab - Identify the Local MAC Address
- Lab - Identify a Remote MAC Address
- 1.2 OSI Model

- 1.3 Network Components
- 1.4 Network Protocols
- 1.5 TCP/IP
- 1.6 IP Addresses
- 1.7 Advanced Networking Concepts
- 1.8 IP Addressing Methods
- Lab - Assign a Static Configuration
- 1.9 Protocols
- 1.10 Ports
- 1.11 Services
- 1.12 WAN
- 1.13 Internet Access Technologies
- 1.14 Remote Access Protocols
- 1.15 Security Protocols
- 1.16 Authentication Protocols
- Domain 3 - Network Implementation
- 1.1 Server Operating Systems
- 1.2 Unix and Linux
- 1.3 Netware
- 1.4 MAC OS X Server
- 1.5 Windows
- 1.6 Client Connectivity
- 1.7 Tools for Networking
- 1.8 Firewalls
- 1.9 Proxy Service
- 1.10 Network Connectivity
- 1.11 Virtual Local Area Network
- 1.12 Internal Networks
- 1.13 Antivirus Software
- 1.14 Fault Tolerance
- 1.15 Disaster Recovery
- Domain 4 - Troubleshooting
- 1.1 Network Utilities
- 1.2 Ping
- Lab - Use the Ping Command
- 1.3 Tracert
- Lab - Use the Tracert Command
- 1.4 ARP
- Lab - Use the ARP Utility
- 1.5 Netstat
- Lab - Use the Netstat Utility
- 1.6 Nbstat
- Lab - Use the Nbstat Utility
- 1.7 Ipconfig
- 1.8 Winipcfg
- 1.9 Nslookup
- 1.10 Visual Indicators
- 1.11 Troubleshooting Network Services
- 1.12 Network Services
- 1.13 Troubleshooting Topologies
- 1.14 Troubleshooting Strategy