N+ Training Course Content

Basic Network Theory

- Network Definitions
- Network Models
- Connectivity
- Network Addressing
- Signaling Concepts

Network Connectivity

- The Data Package
- Establishing a Connection
- Reliable Delivery
- Network Connectivity
- Noise Control
- Building Codes
- Connection Devices

Advanced Network Theory

- The OSI Model
- Ethernet
- Network Resources
- Token Ring/IEEE 802.5
- FDDI
- Wireless Networking

Common Network Protocols

- Families of Protocols
- NetBEUI
- Bridges and Switches
- The TCP/IP Protocol
- Building a TCP/IP Network
- The TCP/IP Suite

TCP/IP Services

- Dynamic Host Configuration Protocol
- DNS Name Resolution
- NetBIOS Support
- SNMP
- TCP/IP Utilities
- Upper Layer Services: FTP

Alternate Network Protocols

- Introduction to IPX/SPX
- AppleTalk
- Introduction to Apple Open Transport
- Introduction to IPv6

Network LAN Infrastructure

Implement LAN Protocols on a Network

- IP Routing
- IP Routing Tables
- Router Discovery Protocols
- Data Movement in a Routed Network
- Virtual LANs (VLANs)

Network WAN Infrastructure

- The WAN Environment
- WAN Transmission Technologies
- WAN Connectivity Devices
- Voice Over Data Services

Remote Networking

- Remote Networking
- Remote Access Protocols
- VPN Technologies

Network Security

- Introduction to Network Security
- Virus Protection
- Local Security
- Network Access
- Internet Security