

Network+ Certification

30 Hours of Instruction
\$1795 Includes: Certification Exam



Prerequisites: Designed for the student with 18 to 24 months of professional computer support experience. It is assumed that you have a general working knowledge of personal computers, some network experience and A+ hardware and software skills.

Network Basics

- 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

Network Security

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

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

Disaster Recovery

- The Need for Disaster Recovery
- Disaster Recovery Plan
- Data Backups
- Fault Tolerance

Advanced Data Storage Techniques

- Enterprise Data Storage
- Clustering
- Network Attached Storage
- Storage Area Networks