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## Network +

### Course Description

This course is designed to prepare students for the Network+ Exam. Earning the Network+ Certification means that students have the knowledge needed to use and maintain a wide range of network technologies. From this exam, students often move on to more advanced IT certifications, including Microsoft's MCSA and MCSE, and Novell's CNE.

**Prerequisites:** It is assumed that you have a general working knowledge of personal computers, some network experience, and have taken the following courses or have equivalent experience:

- *Windows 98, Windows 2000 or Windows XP*

#### The following course is recommended:

- *A+ Certification: Core Hardware & Operating Systems*

### Performance-Based Objectives

- Describe basic networking and identify different networking models.
- Describe the basics of data movement, physical media, and network connectivity devices.
- Use the OSI model and understand Ethernet, Token Ring, FDDI, and wireless networks.
- Understand data routing and common network protocols such as NetBEUI and TCP/IP.
- Discover a TCP/IP services.
- Understand older network protocols still used today, such as IPX/SPX, AppleTalk, Apple Open Transport, and IPv6.
- Examine the infrastructure of a local area network.
- Distinguish the different methods used to connect networks together through the public carrier services.
- Understand the different methods of remote networking.
- Understand and implement relevant aspects of network security.
- Apply disaster recovery principles.
- Describe and employ advanced data storage techniques.
- Understand and implement network troubleshooting procedures.
- Describe the basics of the network operating systems in use today.