

**Course Description:**

This course provides students with basic knowledge about the components of a computer, network components, topologies, standards and protocols. Students also learn about different operation systems, remote access, security, wide area networks, and how to provide network support. This course also prepares students for the Foundations of Novell Networking (Course 3001) and the Network + certification exam.

**Duration:** Instructor-led, group-paced, classroom-delivery learning model with structured hands on activities  
35 hours (5 days)

**Course Materials:** Students will be provided with the following software for use in the classroom:

- Certification lesson guides, workbooks  
*(The above-mentioned materials are yours to keep)*

**Objectives:** After completing this course, students will be able to:

- Identify computer Input and Output Devices
- Identify computer hardware components
- Understand networking fundamentals
- Identify network media and topology
- Identify networking standards
- Understand the TCP/IP Protocol Suite
- Understand IT Addressing
- Understand network Protocols
- Implement Remote Access
- Implement Data Security
- Implement a WAN
- Configure an Operating System
- Understand Network Security Methods
- Support a network
- Troubleshoot network problems

**Prerequisites:** CompTIA's A+ certification is recommended but not required.

## Course Outline

Identifying computer Input and Output Devices	Implementing Remote Access
Identifying computer hardware components	Implementing Data Security
Understanding networking fundamentals	Implementing a WAN
Identifying network media and topology	Configuring an Operating System
Identifying networking standards	Understanding Network Security Methods
Understanding the TCP/IP Protocol Suite	Supporting a network
Understanding IT Addressing	Troubleshooting network problems
Understanding network protocols	