CCNA (Certified Cisco Network Associate)

On-Line Live (Live Instructor via Zoom)
5 Day Course (Mon-Fri)
12 Day Course (Mon-Thurs)
Tuition:
On-Line Live - $4175
Night Class - $4895

Course Overview

The Implementing and Administering Cisco Solutions (CCNA) v2.0 course gives you a broad range of fundamental knowledge for all IT careers.

Through a combination of lectures, hands-on labs, and self-study, you will learn how to install, operate, configure, and verify basic IPv4 and IPv6 networks. The course covers configuring network components such as switches, routers, and wireless LAN controllers; managing network devices; and identifying basic security threats. The course also gives you a foundation in network programmability, automation, and software-defined networking.

This course helps you prepare to take the 200-301 Cisco® Certified Network Associate (CCNA®) exam. By passing this one exam, you earn the CCNA certification.

The course qualifies for 30 Cisco Continuing Education Credits (CE) credits towards recertification.

Course Prerequisites

- Basic computer literacy
- Basic PC operating system navigation skills
- Basic Internet usage skills
- Basic IP address knowledge

Course Outline

- Exploring the Functions of Networking
- Introducing the Host-to-Host Communications Model
- Operating Cisco IOS Software
- Introducing LANs
- Exploring the TCP/IP Link Layer
- Starting a Switch
- Introducing the TCP/IP Internet Layer, IPv4 Addressing, and Subnets
- Explaining the TCP/IP Transport Layer and Application Layer
- Exploring the Functions of Routing
- Configuring a Cisco Router
- Exploring the Packet Delivery Process
- Troubleshooting a Simple Network
- Introducing Basic IPv6

- Configuring Static Routing
- Implementing VLANs and Trunks
- Routing Between VLANs

Course Outline - CCNA Certification Cont.

- Introducing OSPF
- Building Redundant Switched Topologies — Self-study
- Improving Redundant Switched Topologies with EtherChannel
- Exploring Layer 3 Redundancy — Self-study
- Introducing WAN Technologies — Self-study
- Explaining Basics of ACL
- Enabling Internet Connectivity
- Introducing QoS — Self-study
- Explaining Wireless Fundamentals — Self-study
- Introducing Architectures and Virtualization — Self-study
- Explaining the Evolution of Intelligent Networks
- Introducing System Monitoring
- Managing Cisco Devices
- Examining the Security Threat Landscape – Self-study