

131 SW 5th Ave., Suite A Meridian, ID 83642 Tel: (208) 898-9036

CCNA (Certified Cisco Network Associate)

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

131 SW 5th Ave., Suite A Meridian, ID 83642 Email: barb.lewis@nhboise.com Tel: (208) 898-9036 <u>www.NHBoise.com</u>

Course Outline - CCNA Certification Cont.

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

