

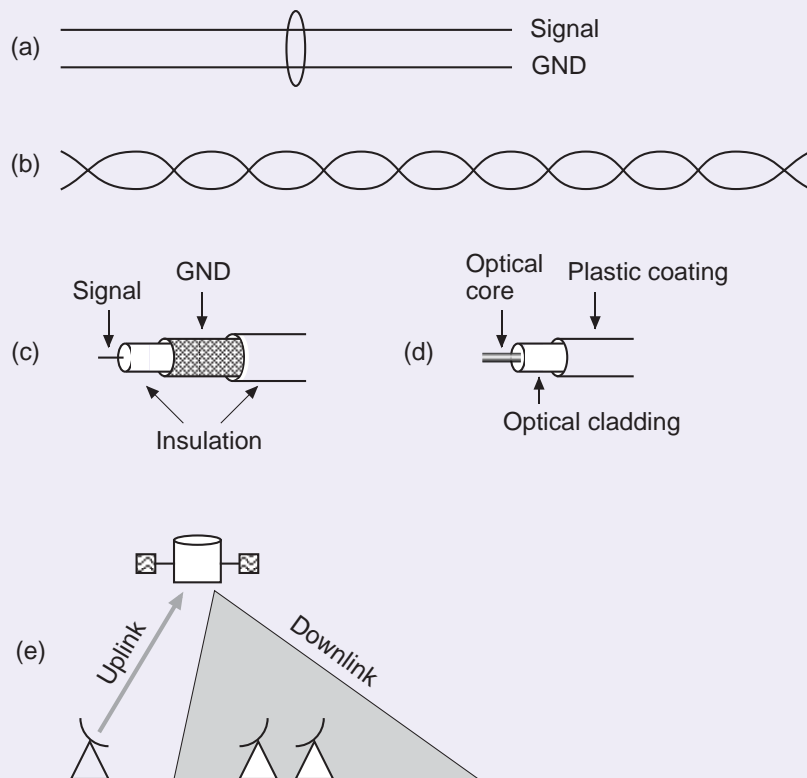
**Internet
Institute USA**

Cisco CCNA Certification

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Internet Institute USA offers a course that leads to the Cisco Certified Network Associate (CCNA) credential. Cisco certification ensures high standards of technical expertise. Achieving Cisco certification, at any level, means joining the ranks of skilled network professionals who have earned recognition and respect in the industry.

The CCNA certification indicates a foundation in and apprentice knowledge of networking for the small office/home office (SOHO) market. CCNA certified professionals can install, configure, and operate LAN, WAN, and dial access services for small networks (100 nodes or fewer), including but not limited to use of these protocols: IP, IGRP, IPX, Serial, AppleTalk, Frame Relay, IP RIP, VLANs, RIP, Ethernet, Access Lists.



To register, check on class schedules, or for additional information, visit our Web site at <http://iisatech.com>, or send us email at info@iisatech.com.

- Instructor-led classroom sessions
- Out-of-hours laboratory time
- All course materials are included

Course Outline

Cisco: CCNA Certification

IIUSA-310/315 Cisco Certified Networking Associate (CCNA) Certification (5 days)

If you are already fairly experienced with computers, and hold an industry-recognized certificate or degree in a computer technology area, then this program may be right for you. The course is taught by CCNA practitioners in a hands-on format. Examples of solutions that a CCNA will be able to offer based on training and real-world experience include:

- Install and/or configure a network
- WAN optimization through Internet access solutions that reduce bandwidth and reduce WAN costs using features such as filtering with access lists, bandwidth on demand (BOD), and Dial on demand routing (DDR).
- Provide remote access by integrating dial-up connectivity with traditional, remote LAN to LAN access, as well as supporting the higher levels of performance required for new applications such as Internet commerce and multimedia.

Part 1: Internetworking

- Lesson 1: Internetworking Models
- Lesson 2: The OSI Reference Model
- Lesson 3: Ethernet Networking
- Lesson 4: Data Encapsulation
- Lesson 5: The Cisco Three-Layer Hierarchical Model
- Lesson 6: Assembling and Cabling Cisco Devices
- Lesson 7: Selecting Cisco Products

Part 2: Switching Technologies

- Lesson 8: Layer-2 Switching
- Lesson 9: Spanning-Tree Protocol (STP)
- Lesson 10: LAN Switch Types

Part 3: Internet Protocol

- Lesson 11: TCP/IP and the DoD Model
- Lesson 12: IP Addressing
- Lesson 13: Subnetting

Part 4: Configuration and IOS MgmtCommands

- Lesson 14: Cisco Router User Interface
- Lesson 15: Command-Line Interface

Part 5: IP Routing

- Lesson 16: Routing
- Lesson 17: The IP Routing Process
- Lesson 18: IP Routing in Our Network
- Lesson 19: Routing Information Protocol (RIP)
- Lesson 20: Interior Gateway Routing Protocol (IGRP)
- Lesson 21: Configuring IGRP in Our Internetwork
- Lesson 22: Verifying the IGRP Routing Tables
- Lesson 23: Verifying Your Configurations

Part 6: Virtual LANs (VLANs)

- Lesson 24: Virtual LANs
- Lesson 25: VLAN Memberships
- Lesson 25: Identifying VLANs
- Lesson 26: Trunking
- Lesson 27: Routing Between VLANs
- Lesson 28: VLAN Trunk Protocol (VTP)

Part 7: Managing a Cisco Internetwork

- Lesson 29: The Internal Components of a Cisco Router

- Lesson 30: The Router Boot Sequence
- Lesson 31: Managing Configuration Registers
- Lesson 32: Backing Up and Restoring the Cisco IOS
- Lesson 33: Backing Up and Restoring the Cisco Configuration
- Lesson 34: Using Cisco Discovery Protocol
- Lesson 35: Using Telnet
- Lesson 36: Resolving Hostnames
- Lesson 37: Checking Network Connectivity

Part 8: Configuring Novell IPX

- Lesson 38: Introduction to Novell IPX
- Lesson 39: Enabling IPX on Routers
- Lesson 40: Configuring Our Internetwork with IPX
- Lesson 41: Adding Secondary Addresses
- Lesson 42: Configuring Our Internetwork with Multiple Ethernet Frame Types
- Lesson 43: Monitoring IPX on Cisco Routers

Part 9: Managing Traffic with Access Lists

- Lesson 44: Access Lists
- Lesson 45: IPX Access Lists

Part 10: Wide Area Networking Protocols

- Lesson 46: Wide Area Networks
- Lesson 47: High-Level Data-Link Control Protocol (HDLC)
- Lesson 48: Point-to-Point Protocol (PPP)
- Lesson 49: Frame Relay
- Lesson 50: Integrated Services Digital Network (ISDN)
- Lesson 51: Dial-on-Demand Routing (DDR)

College Credit

This course qualifies for 2.0 college credits at the University of Phoenix. For details, see:

<http://iiusatech.com/UoPcredit.html>

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