

**Internet
Institute USA**

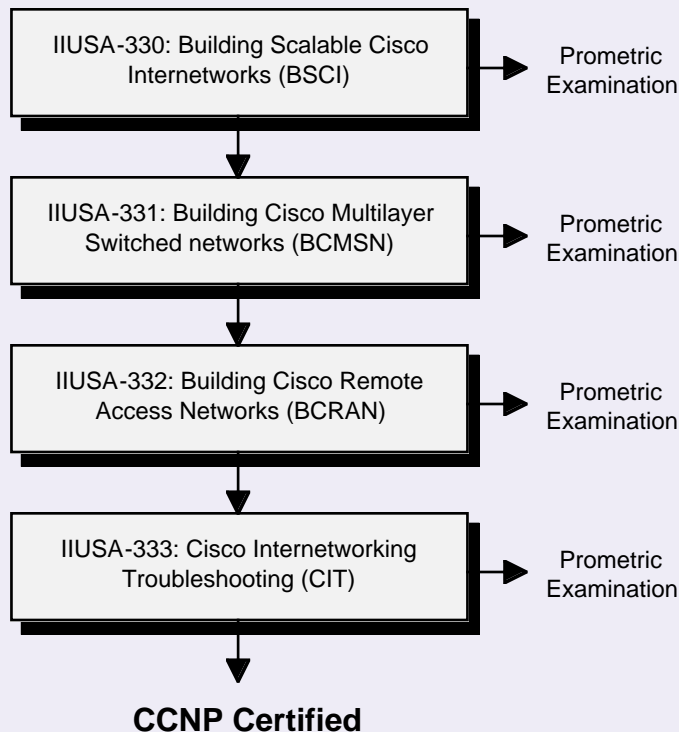
Cisco CCNP Certification

Cisco Certified Network Professional (CCNP)

The CCNP certification (Cisco Certified Network Professional) indicates advanced or journeyman knowledge of networks. With a CCNP, a network professional can install, configure, and operate LAN, WAN, and dial access services for organizations with networks from 100 to more than 500 nodes, including but not limited to these protocols: IP, IGRP, IPX, Async Routing, AppleTalk, Extended Access Lists, IP RIP, Route Redistribution, RIP, Route Summarization, OSPF, VLSM, BGP, Serial, Frame Relay, ISDN, ISL, X.25, DDR, PSTN, PPP, VLANs, Ethernet, Access Lists, 802.10, FDDI, Transparent and Translational Bridging.

A CCNP certified individual can perform the following tasks:

- Implement appropriate technologies to build a scalable routed network
- Build campus networks using multilayer switching technologies
- Improve traffic flow, reliability, redundancy, and performance for campus LANs, routed and switched WANs, and remote access networks
- Create and deploy a global intranet
- Troubleshoot an environment that uses Cisco routers and switches for multiprotocol client hosts and services



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

<http://iustech.com>

- Instructor-led classroom sessions
- Out-of-hours laboratory time
- Exam preparation software

Course Outline

Cisco Certified Network Professional

(20 days)

This four-course sequence covers local area network and campus-wide network design and administration. These courses lead to the Cisco Certified Network Professional (CCNP) credential.

IIUSA-330 Building Scalable Cisco Internetworks (BSCI) (40 hours)

The Building Scalable Cisco Internetworks (BSCI) course focuses on using Cisco routers connected in LANs and WANs typically found at medium to large network sites. Upon completion of this course, students will be able to select and implement the appropriate Cisco IOS services required to build a scalable, routed network. This course prepares students for Cisco exam 642-801.

Prerequisites: A CCNP candidate should make significant progress toward earning the Cisco Certified Network Associate (CCNA) credential before starting this program.

IIUSA-331 Building Cisco Multilayer Switched Networks (BCMSN) (40 hours)

Prerequisites: Completion of IIUSA-330: BSCI or familiarity with internetworking fundamentals and hands-on experience with basic router and switch configuration tasks.

In the Building Cisco Multilayer Switched Networks (BCMSN) course, network administrators learn how to build campus networks using multilayer switching technologies over high speed Ethernet. This course includes both routing and switching concepts, covering both Layer 2 and Layer 3 technologies. BCMSN is part of the recommended training path for those students seeking the Cisco Certified Network Professional (CCNP), Cisco Certified Design Professional (CCDP), and Cisco Certified Internetwork Expert (CCIE) certifications. This course prepares students for Cisco exam 642-811.

IIUSA-332 Building Cisco Remote Access Networks (BCRAN) (40 hours)

Prerequisites: Completion of the Building Cisco Multilayer Switched Networks (BCMSN) course (IIUSA-331). Students must be familiar with general networking terms and concepts, general Cisco router operation and configuration, as well as TCP/IP operations and configurations. Students must also understand Routing Protocols and PPP.

In the Building Cisco Remote Access Networks course, students learn how to build, configure and troubleshoot a remote access network to interconnect central sites to branch offices and home offices. Students also learn how to control access to the central site, as well as to maximize bandwidth utilization over the remote links. This course prepares students for Cisco exam 642-821.

IIUSA-333 Cisco Internetworking Troubleshooting (CIT) (40 hours)

Prerequisites: Students should take BSCI (IIUSA-330), BCMSN (IIUSA-331), and BCRAN (IIUSA-332) before taking CIT, for knowledge on how to work with Cisco IOS and Catalyst software.

The Cisco Internetwork Troubleshooting (CIT) course teaches students how to baseline and troubleshoot an environment using Cisco routers and switches for multiprotocol client hosts and servers connected with the following:

- Ethernet and Fast Ethernet LANs
- Serial, Frame Relay, and ISDN BRI WANs

The course provides students with methodical practice using specific Cisco IOS software and Catalyst software tools to diagnose and correct problems on widely installed Cisco products. This course prepares students for Cisco exam 642-831.

College Credit

This track qualifies for 4.0 college credits at the University of Phoenix. For details, see:

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

Internet Institute USA

2200 North Central Avenue; Suite 103
Phoenix, AZ 85004

602-776-4545 (phone); 480-452-1688(fax)
<http://iisatech.com> • info@iisatech.com