



[View Full Course Details including Latest Schedule Online](#)

CISCO

ICND1 Certification Training

Course Overview

The 5-day ICND1 (Interconnecting Cisco Networking Devices, Part 1) training and certification boot camp in Washington, DC Metro, Tysons Corner, VA, Columbia, MD or Live Online is designed to provide the knowledge and skills needed to understand TCP/IP networks that are built with Cisco hardware. Students will also learn how to implement small switched and routed networks that consist of 1 to 20 hosts connected to a single switch. In addition, students will be led through all the exam objectives so that they are properly prepared to handle the CCENT certification exam at the end of the 5-day course.

By the end of the ICND1 training course, students will have an understanding of the following objectives:

- Simple networks
- Ethernet LANs
- Wireless LANs
- Connecting to LANs
- Wide Area Networks (WANs)
- Network environment management

This course is also the first step toward achieving the Cisco Certified Network Associate (CCNA) certification.

Course Outline

Simple Network

- Network functions
- Process of securing the network
- Host-to-Host model
- TCP/IP's internet and transport layers
- Between hosts packet delivery
- Understanding and connecting to an ethernet



Ethernet LANs

- Shared LANs
- Network challenges of switched LAN
- Switch packet delivery
- Operation process for Cisco IOS
- Starting and securing a Cisco switch
- Benefits of and troubleshooting switches

Wireless LANs

- Wireless networking
- Securing WLANs
- WLAN implementation
- Requirements for VoIP

Connecting a LAN

- Routing functions
- Binary basics
- Networking addressing
- Beginning and configuring Cisco routers
- Router packet delivery
- Securing a router
- Security device manager with a Cisco router
- Router as a DHCP server
- Remote device access

WANs

- WAN technology
- Enabling internet connection, static routing and RIP
- Serial encapsulation configuration

Network Environment Management

- Uncovering network neighbors
- Router startup and configuration



- Cisco device management

ICND1 Exam

100-105 ICND1 Exam Details

- Number of Questions - 45-55
- Passing Score - 80%
- Exam Duration - 90 minutes
- Exam Format - multiple choice, multiple answer, drag and drop, testlets, simlets, router & switch simulations
- Exam Delivery - Pearson Vue

ICND1 exam candidates will be tested on the following topics:

- Network fundamentals
- LAN switching fundamentals
- Routing fundamentals
- Infrastructure services
- Infrastructure maintenance

After successfully passing the ICND1 exam, candidates will be awarded the CCENT certification.

ICND1 Certification Training FAQs

Are there prerequisites for the ICND1 certification training course?

Before attending the training ICND1 course, students should have an understanding of basic networking concepts.

Who is the ICND1 course designed for?

The ideal attendee for the ICND1 course and CCENT certification exam are the following individuals:

- Network Support Technicians
- Help Desk Technicians
- IT professionals who work with Cisco routed and switched networks

Is there a second part to the Interconnecting Cisco Networking Device training?



PhoenixTS

301-258-8200 | Sales@PhoenixTS.com | www.PhoenixTS.com

There are two parts to the ICND training. After completing both Part 1 and Part 2 (or the CCNAX training) and earning the CCENT certification, candidates are eligible to earn the Cisco Certified Network Associate (CCNA) certification after successfully completing the CCNA exam.



Price Match Guarantee

We'll match any competitor's price quote. Call us at 240-667-7757.

Included in this **ICND1 Certification Training**

- 5 days instructor-led training
- ICND1 Certification Training book
- Sample CCENT exam questions
- CCENT exam voucher
- Notepad, pen and highlighter
- Variety of bagels, fruits, doughnuts and cereal available at the start of class*
- Tea, coffee and soda available throughout the day*
- Freshly baked cookies every afternoon*