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

View Full Course Details including Latest Schedule Online

CISCO

CCNA Certification Training

BONUS! Cyber Phoenix Subscription Included: All Phoenix TS students receive complimentary ninety (90) day access to the Cyber Phoenix learning platform, which hosts hundreds of expert asynchronous training courses in Cybersecurity, IT, Soft Skills, and Management and more!

Course Overview

Our 5-day, instructor-led CCNA v 2.0 Implementing and Administering Cisco Solutions course is intended for IT networking professionals who are responsible for medium-sized switched and routed networks. It will teach you:

- How to troubleshoot network problems
- Configure all parts of a network
- How to implement WAN connections
- How to maintain network security
- Internet Protocol (IP)
- Serial Line Interface Protocol Frame Relay
- Enhanced Interior Gateway Routing Protocol (EIGRP)
- Routing Information Protocol Version 2 (RIPv2)
- Access control lists (ACLs)
- Ethernet
- VLANs

This course will prepare you for the CCNA® Certification exam.

Schedule

DATE	LOCATION	
4/29/24 - 5/03/24 (5 days)	**Columbia, MD** Open	Contact Us
4/29/24 - 5/03/24 (5 days)	**Live Online** Open	Contact Us

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DATE	LOCATION	
6/10/24 - 6/14/24 (5 days)	Live Online Open	Contact Us
6/10/24 - 6/14/24 (5 days)	Columbia, MD Open	Contact Us
7/29/24 - 8/02/24 (5 days)	Columbia, MD Open	Contact Us
7/29/24 - 8/02/24 (5 days)	Live Online Open	Contact Us
9/09/24 - 9/13/24 (5 days)	Columbia, MD Open	Contact Us
9/09/24 - 9/13/24 (5 days)	Live Online Open	Contact Us
10/21/24 - 10/25/24 (5 days)	Live Online Open	Contact Us
10/21/24 - 10/25/24 (5 days)	Columbia, MD Open	Contact Us
12/16/24 - 12/20/24 (5 days)	Live Online Open	Contact Us
12/16/24 - 12/20/24 (5 days)	Columbia, MD Open	Contact Us
1/13/25 - 1/17/25 (5 days)	Live Online Open	Contact Us
1/13/25 - 1/17/25 (5 days)	Columbia, MD Open	Contact Us
3/10/25 - 3/14/25 (5 days)	Columbia, MD Open	Contact Us
3/10/25 - 3/14/25 (5 days)	Live Online Open	Contact Us

Program Level

Advanced

Training Delivery Methods

Group Live

Duration

5 Days / 32 hours Training

CPE credits

26 NASBA CPE Credits

Field of Study

Information Technology

Advanced Prep

N/A

Course Registration

Candidates can choose to register for the course by via any of the below methods:

- Email: Sales@phoenixts.com
- Phone: 301-582-8200
- Website: www.phoenixts.com

Upon registration completion candidates are sent an automated course registration email that includes attachments with specific information on the class and location as well as pre-course study and test preparation material approved by the course vendor. The text of the email contains a registration confirmation as well as the location, date, time and contact person of the class.

Online enrolment closes three days before course start date.

On the first day of class, candidates are provided with instructions to register with the exam provider before the exam date.

Complaint Resolution Policy

To view our complete Complaint Resolution Policy policy please click here: Complaint Resolution Policy

Refunds and Cancellations

To view our complete Refund and Cancellation policy please click here: Refund and Cancellation Policy

Course Outline

Lecture and Self Study

- 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
- Introducing OSPF Building Redundant Switched Topologies
- Improving Redundant Switched Topologies with EtherChannel
- Exploring Layer 3 Redundancy
- Introducing WAN Technologies
- Explaining Basics of ACL Enabling Internet Connectivity
- Introducing QoS Explaining Wireless Fundamentals
- Introducing Architectures and Virtualization
- Explaining the Evolution of Intelligent Networks

- Introducing System
- Monitoring Managing Cisco Devices
- Examining the Security Threat Landscape
- Implementing Threat Defense Technologies Securing Administrative Access
- Implementing Device Hardening

Lab Outline

- Get Started with Cisco Command-Line Interface (CLI)
- Observe How a Switch Operates
- Perform Basic Switch Configuration
- Implement the Initial Switch Configuration
- Inspect TCP/IP Applications
- Configure an Interface on a Cisco Router
- Configure and Verify Layer 2 Discovery Protocols
- Implement an Initial Router Configuration
- Configure Default Gateway
- Explore Packet Forwarding
- Troubleshoot Switch Media and Port Issues
- Troubleshoot Port Duplex Issues
- Configure Basic IPv6 Connectivity
- Configure and Verify IPv4 Static Routes
- Configure IPv6 Static Routes
- Implement IPv4 Static Routing
- Implement IPv6 Static Routing
- Configure VLAN and Trunk
- Troubleshoot VLANs and Trunk
- Configure a Router on a Stick
- Implement Multiple VLANs and Basic Routing Between the VLANs
- Configure and Verify Single-Area OSPF
- Configure and Verify EtherChannel
- Improve Redundant Switched Topologies with EtherChannel
- Configure and Verify IPv4 ACLs
- Implement Numbered and Named IPv4 ACLs
- Configure a Provider-Assigned IPv4 Address
- Configure Static NAT
- Configure Dynamic NAT and Port Address Translation (PAT)
- Implement PAT Log into the WLC
- Monitor the WLC
- Configure a Dynamic (VLAN) Interface
- Configure a DHCP Scope
- Configure a WLAN
- Define a Remote Access Dial-In User Service (RADIUS) Server

- Explore Management Options Explore the Cisco DNA™ Center
- Configure and Verify NTP
- Configure System Message Logging Create the Cisco IOS Image Backup
- Upgrade Cisco IOS Image
- Configure WLAN Using Wi-Fi Protected Access 2 (WPA2) Pre-shared Key (PSK)
- Using the GUI Secure Console and Remote Access
- Enable and Limit Remote Access Connectivity Secure Device Administrative Access
- Configure and Verify Port Security
- Implement Device Hardening

Exam Information

Students can elect to take the 200-301 exam.

CCNA Certification Exam 200-301 Details:

- Number of Questions: 120
- Passing Score: 80%
- Test Duration: 120 minutes
- Test Format: Multiple Choice, Multiple Answer, Drag and drop, Testlets, Simlets, Router & Switch Simulations
- Test Delivery: Pearson VUE

Exam 200-301 Details:

CCNA Certification Exam Domains:

Either exam option tests candidates on the following domains:

- Network Fundamentals
- IP Connectivity
- IP Services
- Security Fundamentals
- Network Access
- Automation and Programmability

Finance your CCNA Training!

We have partnered with Meritize to provide our students with financing options to fund your education. Check your loan options in minutes without impacting your credit score. Click here to apply



CCNA Certification Training FAQs

What is the average salary for someone with their CCNA?

According to payscale.com, a professionals with their CCNA certification earns on average $76,000 per year.

Should I earn the CCNA or CompTIA Network+ certification?

It depends on where you are at in your career. If you are just starting out Network+ may be better suited for you whereas if you have more experience, CCNA Routing and Switching (which is considered more challenging by some) may be the right move. We explore this question in more depth on our blog post CCNA vs CompTIA Network+: Which Should I Get?

What do students say about the CCNA Certification Training course?

“Excellent instructor, [he] is knowledgeable and encourages questions and participation. He is able to explain in detail the subject matter we are going over and the ‘why we do this’ is always answered!” – *Student from June 2019*

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"Great class, loved the instructor. Would recommend to others." *-Student from June 2019*

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Phoenix TS is registered with the National Association of State Boards of Accountancy (NASBA) as a sponsor of continuing professional education on the National Registry of CPE Sponsors. State boards of accountancy have final authority on the acceptance of individual courses for CPE credit. Complaints re-garding registered sponsors may be submitted to the National Registry of CPE Sponsors through its web site: www.nasbaregistry.org

Starting at **$4,195**

ATTENTION

For GSA pricing or Contractor quotes call 301-258-8200 – Option 2.

GSA

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Price Match Guarantee

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