

Cisco Certified Network Professional (CCNP)

Prerequisites: This course is intended for those with at least one year of networking experience and valid CCNA certification

Length: 15 Days (3 exams but can be broken down into individual courses)

Summary: This instructor-led Cisco Training Camp is designed specifically to prepare students for successful completion of all 3 exams required for CCNP certification.

Our certified instructors will leave you with the advanced knowledge and skills required to plan, implement, verify and troubleshoot local and wide-area enterprise networks, as well as the ability to work collaboratively with specialists on advanced security, voice, wireless and video solutions.

COURSE CONTENT

Learning Objectives Include

- Advanced IP addressing and routing in implementing scalable and secure Cisco ISR routers connected to LANs and WANs
- Secure routing solutions
- Network infrastructure
- Plan, configure and verify the implementation of complex enterprise switching solutions using Cisco's Campus Enterprise Architecture
- Secure integration of VLANs, WLANs, voice and video into campus networks

This Course Prepares Students for the Following Certification Exams:

- 642-902 ROUTE
- 642-813 SWITCH
- 642-832 TSHOOT

This Course Covers the Following Authorized Cisco Courses:

- Implementing Cisco IP Routing
- Implementing Cisco IP Switched Networks
- Troubleshooting and Maintaining Cisco IP Networks

CCNP Training and Certification Features

- Accelerated Learning – With over 11 years of education experience, we focus on the requirements that you need to pass the exams and be successful in your career.
- Cisco Certified, Expert Instructors – The cornerstone for the success of a quality training program is the instructor's ability to translate complex technical theories into understandable concepts and applied knowledge. Our instructors are technical experts who care about your success and will work with you toward your specific training goals.
- Certification Guarantee – We protect your investment with our mentoring programs and value-added post class support.
- Small Class Size – Our programs have a maximum cap of ten students per course.

Is this Course Right for You?

This course is designed for Cisco or Unified Communications IT professionals looking to advance their knowledge in Cisco Voice technologies and validate their skills.

Each training day is segmented into Lecture, Lab, and Review components that cater to a student's multiple learning styles (auditory, visual, and kinesthetic-tactical).

*Note that significant changes may be made to the schedule on a daily basis to ensure that the goals of the course are met.

Topics:

Days 1-5: ROUTE

- Basic Network and Routing Concepts
- EIGRP Implementation
- OSPF Implementation
- Configuration of Redistribution
- Path Control Implementation
- Enterprise Internet Connectivity
- Routers and Routing Protocol Hardening

Days 6-10: SWITCH

- Basic Concepts and Network Design
- Campus Network Architecture
- Spanning Tree Implementation
- Configuring Inter-VLAN Routing
- Implementing High Availability Networks
- First Hop Redundancy Implementation
- Campus Network Security

Days 11-15: TSHOOT

- Troubleshoot Routing Protocols
 - Troubleshoot Routing Redistribution
 - Troubleshoot IPv6
 - Troubleshoot VLANs
 - ITroubleshoot Switch Security
 - Troubleshoot VoIP and Video
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