Contents

Overview

Cisco CCNP Routing and Switching Certification

- Cisco Certified Network Professional (CCNP) Routing and Switching certification validates the ability to plan, implement, verify and troubleshoot local and wide-area enterprise networks and work collaboratively with specialists on advanced security, voice, wireless and video solutions.

- Appropriate for those with at least one year of networking experience who are ready to advance their skills and work independently on complex network solutions.

- CCNP certification requires three separate certification exams

- Demonstrates the skills required in enterprise roles such as network engineer, support engineer, systems engineer or network technician

CCNP RS 7.0 Curricula & Exam Alignment

Networking Academy CCNP courses align with the three Cisco CCNP certification exams.

NetAcad CCNP Course	Cisco CCNP Certification Exam
CCNP ROUTE: Implementing IP Routing	Implementing Cisco Routing (ROUTE v2.0) #300-101 ROUTE, 120 min. exam
CCNP SWITCH: Implementing IP Switched Networks	Implementing Cisco Switched Networks (SWITCH v2.0) #300-115 SWITCH, 120 min. exam
CCNP TSHOOT: Troubleshooting and Maintaining IP Networks	Troubleshooting and Maintaining Cisco IP Networks (TSHOOT v2.0) #300-135, 120 min. exam

CCNP RS 7.0 Features and Benefits

- Provides an in-depth, theoretical overview of advanced routing and switching and troubleshooting complex enterprise networks

- Builds on the Cisco CCNA Routing & Switching courses with more complex network configurations, diagnosis, and troubleshooting

- Students gain significant hands-on interaction with networking equipment to prepare them for certification exams and career opportunities

- Hands-on labs and case studies help students apply what they learn and develop critical thinking and complex problem-solving skills

Who Should Enroll?

- College and university-level students seeking career-oriented, enterprise-level networking skills

- IT professionals wishing to expand their core routing, switching, and network troubleshooting skills to advance their careers

- Current CCNA certification holders who wish to build on their CCNA knowledge base

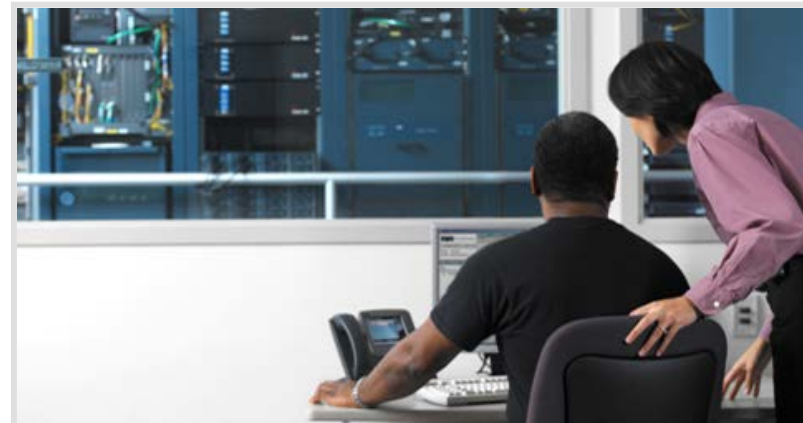- Individuals seeking Cisco CCNP certification

Course Design

CCNP RS 7.0 User Experience

Authored Text	Yes - Cisco Press textbooks (traditional and e-book formats)
Graphical User Interface (GUI)	No
Interactive Media	n/a
Labs	Yes – offered standalone
Chapter Quizzes	Yes
Final Exam	Yes
Skills Based Assessments	Yes

CCNP RS 7.0 course element

- 3 courses, each 1 semester long (about 70 hours)
- Delivered leveraging Cisco Press textbook
- Complex hands-on labs with NETLAB compatible topologies, enabled for remote operation
- 1 chapter exam per chapter
- 1 final exam or skills-based assessment per course
- Aligned to the new Cisco CCNP certification exams

CCNP RS 7.0 curriculum

Cisco Press Books

- Each course uses a textbook developed and published by Cisco Press in close collaboration with Networking Academy

- Textbooks for SWITCH, ROUTE and TSHOOT courses will be available in printed and electronic (e-Book) formats

    English language only, available globally

- Order through your Pearson sales rep or directly from www.ciscopress.com

- Visit www.ciscopress.com/ccnp for a complete list of titles available

Curriculum Objectives

CCNP RS 7.0 Curriculum

Curriculum Objectives

After completing the 3 courses, students will be able to perform the following:
Implement, monitor, and maintain routing and switching services in an enterprise campus network.
Plan, configure, and verify the implementation of complex enterprise LAN and WAN routing solutions
Implement IPv6, RIP, EIGRP, BGP, and OSPF in an enterprise network.
Configure secure routing solutions to support branch offices and mobile workers.
Implement the secure integration of VLANs, WLANs, voice, and video into campus networks.
Plan, configure, and verify the implementation of complex enterprise switching solutions.
Plan and execute regular network maintenance to monitor and maintain complex enterprise routed and switched IP networks.
Perform network troubleshooting using technology-based processes and best practices, based on systematic and industry recognized approaches

CCNP RS 7.0 learning environment

- Experience-oriented courses employ industry-relevant instructional approaches to prepare students for professional jobs in the industry

- Can be delivered as an independent curriculum or integrated into a broader course of study, such as IT-related degree and diploma programs or continuing education programs

- Can be offered in an in-person or a blended distance learning (BDL) environment.

Instructor Training

CCNP RS 7.0 Instructor Training

- The training requirement is 1:1 mapped with CCNP 6.0, instructor re-accreditation not required.
- Remote/BDL options should be available
- Instructor Fast Track option available to those with prior subject matter knowledge
  Eligibility is verified by:
  - CCNP RS certification or CCIE certification
  - Formal evidence of industry experience
  - Formal evidence of teaching experience

Resources

For More Information

- Certification information

  [Cisco CCNP certification](#)

  [CCNP Exam Combination Tool](#) (note: see FAQ above for exam availability for Networking Academy students)

Thank you.

Cisco Networking Academy

Mind Wide Open