

CCNA Syllabus

CCNA® Routing & Switching Certification



The CCNA certification validates the ability to install, configure, operate, and troubleshoot medium-size routed and switched networks. CCNA certified professionals have the knowledge and skills to make connections to remote sites via a WAN, mitigate basic security threats, and understand the requirements for wireless network access. CCNA training covers (but is not limited to) the use of these protocols: IP, Enhanced Interior Gateway Routing Protocol (EIGRP), Serial Line Interface Protocol Frame Relay, Routing Information Protocol Version 2 (RIPv2), VLANs, Ethernet, and access control lists (ACLs).

Instant Answers/FAQ

Partners: Log in for Partner Education Connection (PEC) [Learning Map](#)

Prerequisites
No prerequisites

Exams & Recommended Training

Required Exam(s)	Recommended Training
640-802 CCNA	Interconnecting Cisco Networking Devices Part 1 (ICND1) Interconnecting Cisco Networking Devices Part 2 (ICND2)

OR

640-822 ICND1	Interconnecting Cisco Networking Devices Part 1 (ICND1)
640-816 ICND2	Interconnecting Cisco Networking Devices Part 2 (ICND2)

Additional Training Resources

Study and Learn:

Review the [Study/Learn](#) tab to view additional resources to further your knowledge in this subject area.

Practice:

Review the [Practice](#) tab to get hands-on experience in this area of technology.

Cisco Press:

The only authorized publisher of books for Cisco certification self-study and network technology learning is Cisco Press. Visit www.ciscopress.com for the latest [CCENT](#) and [CCNA](#) publications to help prepare you for your certification.

Recertification

CCNA certifications are valid for three years. To recertify, pass the ICND2 exam, or pass the current CCNA exam, or pass a CCNA Concentration exam (wireless, security, voice), or pass the current CCDA exam, or pass any 642 - XXX professional level or Cisco Specialist exam (excluding Sales Specialist exams), or pass a current CCIE or CCDE written exam.