

# Cisco Certified Entry Networking Technician (CCENT)

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Overview



## Overview

### Increasing Demand for Practical Network Skills

As the network grows in complexity, so does the need for training for those who implement and manage network infrastructure and solutions. A skills gap emerges when technology outpaces professional skills development.

To fill this talent gap, Cisco continues to develop training and certification products that help our customers be more successful using the network and the solutions that ride on top of the network—solutions like voice communications, video services and collaboration environments

### Job-Ready Practical Skills

The Cisco CCENT certification program is practical, relevant, and job-ready certification curriculum aligned closely with the specific tasks expected of these in-demand professionals. Cisco realizes that the network professional increasingly must focus on design, configuration, and support responsibilities as the technical consultant, specialist or expert on a networking team. Therefore, the Cisco curriculum is specific to the best practices of network administrators, engineers, and experts using the latest Cisco network solutions.

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### Best Practices in Networking

Achieving CCENT® (Cisco Certified Entry Networking Technician) certification is the first step in helping you prepare for a career in networking. Pursuing this certification will help improve your skill sets, and provide you with ability to manage and optimize network systems. CCENT focuses on network infrastructure, mainly routing and switching, but it also includes wireless access, security, and connectivity to branch offices using WAN.

## Achieving CCENT Certification

CCENT Certification offers professionals job-ready training and skills. The certification lays the foundation for job roles such as network administrator, network engineer or network specialist. Candidates gain knowhow installing, monitoring and troubleshooting network infrastructure.

The curriculum includes Cisco switches, routers, basic mitigation of security threats, introduction to wireless networking concepts and terminology, and performance-based skills. The curriculum also covers the use of the following protocols: the TCP/IP and OSI models; IP addressing; WAN technologies; operating and configuring IOS devices; implementing and routing between VLANs, IPv6, OSPF, ACLs; implementing NAT, PAT and DHCP; and configuring simple networks.

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## Requirements for CCENT Certification

The CCENT Certification program is a three-year certification program intended to provide fundamental education and testing for network professionals interested in network infrastructure.

You can recertify by taking any associate level exam or professional level exam or higher. Or you can also pass the CCIE certification exam before your certification expires.

## Prerequisites for CCENT

There is no pre-requisite for attempting CCENT Certification. This is a 3-year certification program.

## Required Exams and Recommended Training for CCENT

Completion of the CCENT curriculum requires the candidates to pass Required Exams. CCENT Required Exams and Recommended Training are shown in Table 1. The exam includes topics on networking fundamentals; connecting to a WAN; basic security and wireless concepts; routing and switching fundamentals;

Table 1: CCENT Required Exams and Recommended Training

Required Exams	Recommended Training
640-822 ICND1	Interconnecting Cisco Network Devices 1 (ICND1) v1.1
OR	OR
100-101 ICND1	Interconnecting Cisco Network Devices 1 (ICND1) v2.0

## Learn More

For more information on these certifications, visit <http://www.ciscolearningnetwork.com>

