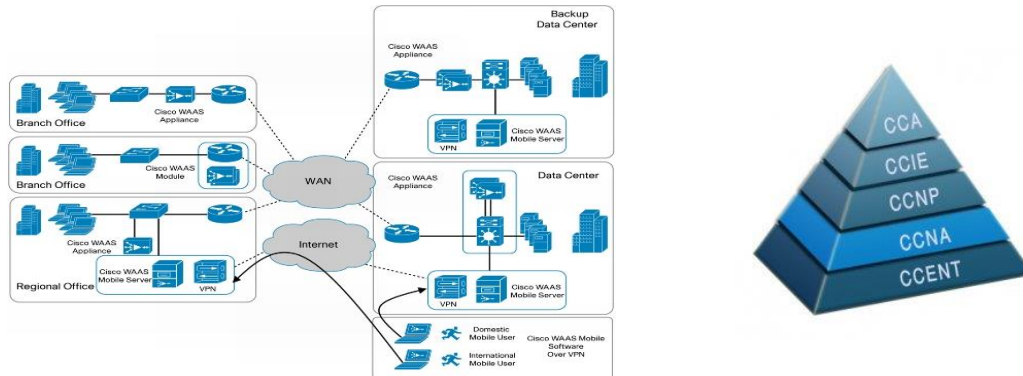


# Cisco CCNA Network Specialist

Harper CE Computer Training · 847.925.6066 · harpercollege.edu/ce · cecomputers@harpercollege.edu

The Cisco CCNA Network Specialist badge provides training on industry-leading Cisco networking technologies. Learn how to install, configure, operate, and troubleshoot Cisco routers and switches to build enterprise branch networks of small to medium size and connect them to larger WANs. This program helps you prepare for the Cisco CCNA professional IT certification exam. Courseware, lab simulator, and test preparation tools are included with this program. This is an advanced program intended for students with CompTIA Network+ training or equivalent experience.



## Career Notes:

Network engineers with Cisco training and certification are in high demand. Additional experience with multiple operating systems and devices connected to the network is also important. Technicians at this level are responsible for keeping networks functional, reliable, and secure. They are expected to not only fix problems quickly, but anticipate problems before they occur and plan for future additions and expansions. Cisco career certifications show employers that you have the skills, knowledge, and training to perform on the job. Computer network opportunities are expected to grow faster than average and up to 28% through 2020. Source: Bureau of Labor Statistics

## Prerequisites:

CompTIA Network+ training or equivalent experience. Knowledge of IP addressing recommended.

## Requirements:

- **LCI0001** Cisco CCNA Network Specialist

## Course Descriptions:

### LCI0001 Cisco CCNA Network Specialist (56 Hours)

Introduces standard networking devices, terms and concepts. Focuses on the selection, connection, configuration and troubleshooting of Cisco switches and routers as they are commonly used in small to medium-sized networks. Learn how to install, operate, configure, and verify a basic IPv4 and IPv6 network, including configuring a LAN switch, configure an IP router, identify basic security threats, connect to a WAN and troubleshoot common network issues. Helps students prepare for the CCNA certification exam. Includes test preparation software and virtual labs for Cisco CCNA exam 200-125. Prerequisite: CompTIA Network+ training or equivalent experience. Upon completion of the course, students will:

- Describe network fundamentals
- Build a simple LAN
- Establish Internet connectivity
- Manage network device security (Access-list)
- Describe IPv6
- Troubleshoot IP connectivity and VLAN issues
- Define the components and functions of a WAN
- Configure EIGRP, OSPF, RIPv2 in an IPv4 environment and configure EIGRP for IPv6
- Manage Cisco device configurations and IOS images