

Cisco Networking Academy Information

Since the Cisco Networking Academy program began in 1997, nearly 8 million students have enrolled in Networking Academy courses. This public-private partnership is Cisco's largest corporate social responsibility program. Vaagdevi College of Engineering is part of the Cisco Networking Academy. Students enrolled in the CSE, IT,ECE,EEE,MCA program will take courses that prepare them to obtain Cisco industry credentials such as the CCENT, CCNA,CCNP,CYBER Security, IoT and CCNA Security certifications.

Overview

Designed for working professionals who have the ambition and the desire to advance their careers or gain certification. Cisco CCNA Exploration program opens doors to rewarding careers and opportunities. CCNA Exploration helps delegates prepare for successful IT careers in small to medium businesses, as well as enterprise and service provider environments. As part of the Cisco Academy program, Cisco CCNA Exploration provides a comprehensive overview of networking, from fundamentals to advanced applications and services. Cisco CCNA Exploration emphasizes theoretical concepts and practical application, while providing opportunities for delegates to gain the skills and hands-on experience required to design, install, operate, and maintain networks. All CCNA Exploration courses include complex and challenging hands-on labs to help delegates develop critical thinking, problem solving, collaboration skills, and practical knowledge.

Certification

The CCNA Exploration curriculum prepares delegates for the Cisco CCNA Network Associate Certification Exam. CCNA is the industry standard, foundational certification for networking careers. You need to complete all four of the following courses of CCNA Exploration to fully prepare for the CCNA exam:

- Network Fundamentals
- Routing Protocols & Concepts
- LAN Switching & Wireless
- Accessing the WAN

Course structure

Exploration I - Networking Fundamentals

Upon completion of this course, delegates should have an understanding of networking basics, including:

- Communicating over the Internet
- Application Layer, Functionality & Protocols
- OSI Transport Layer, OSI Network Layer
- Addressing the Network - IPv4
- Data Link Layer, OSI Physical Layer
- Planning & Cabling Your Network, Configuring & Testing Your Network

Exploration II - Routing Protocols & Concepts

Upon completion of this course, delegates should have an understanding of routers and routing protocols including:

- Introduction to Routing and Packet Forwarding
- Static Routing
- Introduction to Dynamic Routing, Link-State Routing Protocols
- RIP version 1, VLSM and CIDR, RIPv2, EIGRP, OSPF

Exploration III - LAN Switching & Wireless

Upon completion of this course, delegates should have an understanding of switching and wireless including:

- LAN Design
- Configure a Switch
- VLANS, Implement VTP
- Implementing Inter-VLAN Routing
- Configuring a Wireless Router

More details

Cisco Networking Academy Program www.cisco.com/go/netacad
Course Catalogue www.cisco.com/edu/courses
Locate a Networking Academy www.cisco.com/edu/locate
Certification www.cisco.com/go/certifications

Exploration IV - Accessing the WAN

Upon completion of this course, delegates should have an understanding of WAN technology and security basics including:

- PPP, Frame Relay
- Enterprise Network Security
- Access Control Lists (ACLs)
- Implementing IP Addressing Services
- Troubleshooting Enterprise Networks

Teaching and Learning

The Academy provides on-line access to the curriculum, instruction and the on-line multiple choice multiple answer tests. Appropriate hands-on laboratory and skills tests required for CCNA are included throughout the four courses by our qualified instructors in our well-equipped Networking Laboratories. The practical work is the major part of the course and requires regular attendance and practice.

Career and progression opportunities

Delegates must pass each Module before proceeding to the next one and on successful completion of Module 4, a Certificate of Competence is awarded by Cisco. Delegates then can take the industry certification (CCNA).

Entry requirements:

Delegates should have basic computer literacy and awareness of the Internet. Prior experience with computer hardware, cabling, binary maths, and basic electronics is desirable, but not essential.

Main contact for CISCO

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