

CISCO Certified Network Associate (CCNA) (200-301)

Description: Cisco Certified Network Associate (CCNA) Routing and Switching is a program for entry-level network engineers that helps maximize your investment in foundational networking knowledge and increase the value of your employer's network. During this program you will learn how to install, operate, configure, and verify IPv6 network. The program covers configuring network components such as switches, routers, and Wireless LAN Controllers; managing network devices; and identifying basic security threats. The program also gives you a foundation in network programmability, automation, and software-defined networking. This program provides you with the necessary skills to fill the role of a Network Administrator, Systems Administrator, network Analyst, Network Design Engineer, Infrastructure Engineer, and Cloud Engineer.

COURSE		Course Hours	Practical Training Hours	Clock Hours	Program Week
6-Weeks / 108 Total Clock Hour Course					
200-301	CISCO Certified Network Associate	72	36	108	6

Upon successful completion of the program, students will learn:

- Identify the components of a computer network and describe their basic characteristics
- Understand the model of host-to-host communication
- Describe the features and functions of the Cisco Internetwork Operating System (IOS®) software
- Describe LANs and the role of switches within LANs
- Describe Ethernet as the network access layer of TCP/IP and describe the operation of switches
- Install a switch and perform the initial configuration
- Describe the TCP/IP Internet layer, IPv4, its addressing scheme, and subnetting
- Describe the TCP/IP Transport layer and Application layer
- Explore functions of routing
- Implement basic configuration on a Cisco router
- Explain host-to-host communications across switches and routers
- Identify and resolve common switched network issues and common problems associated with IPv4 addressing
- Describe IPv6 main features and addresses, and configure and verify basic IPv6 connectivity
- Describe the operation, benefits, and limitations of static routing
- Describe, implement, and verify virtual local area networks (VLANs) and trunks
- Much more...

Tuition Breakdown with exam cost 6 Week Program (108 hours)	
Tuition Cost	\$4895.00
Exam Cost	\$300
Course Materials	Included
Total Program Cost	\$5195.00

Tuition Breakdown without exam cost 6 Week Program (108 hours)	
Tuition Cost	\$4895.00
Course Materials	Included
Total Program Cost	\$4895.00

Potential Certification: Cisco Certified Network Associate

Prerequisites: CompTIA Network+ or 1-2 years of experience implementing and administering Cisco solutions

Optional Exams: CCNA (200-301)

LeapFox Learning Computer Training Certificate of Completion will be given upon successful completion of program