

CISCO Network Administration

Introduction:

The CISCO Network Administration Certificate is an entry-level certification that prepares you for a career in IT and network technologies and for a more advanced skill set in such areas as wireless networking, data-center administration or security.

In this certification, we will be covering both CCNA (Cisco Certified Network Associate) & CCNP (Cisco Certified Network Professional). After the successful completion of this certification, a candidate can easily install, configure and troubleshoot Cisco Routers and Switches for medium-sized networks and will have the capacity to design, execute, check and investigate neighborhood and wide-range undertaking Cisco networks.

A Cisco certification can make you more valuable in your organization and on the job market if you're pursuing a career as a network specialist.

Learning Outcomes:

After the completion of this certification, students would be able to:

- Identify Network Fundamentals
- Identify and configure LAN switching technologies
- Describe, implement and verify IP routing technologies
- Identify and configure WAN technologies
- Test LAN and WAN arrangements
- Arrange, build and execute venture exchange arrangements

Benefits:

- Ability to perform advanced configurations for routers and services
- Skill to build and configure enterprise local area networks (LANs)
- Ability to build and configure enterprise Wide area networks (WANs)
- Optimize network performance
- Route redistribution, and tunneling

Entry Requirements:

- Should know how to operate a mobile and computer
- Minimum education level Matriculation/O-Level

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Curriculum:

Week	Lecture	Topics
1	1	Introduction to CCNA
2	2	Network Fundamentals
3	3	LAN Switching Technologies
4	4	Routing Technologies
5	5	WAN Technologies
6	6	Infrastructure Service
7	7	Infrastructure Security
8	8	Infrastructure Management
9	9	Introduction to CCNP
10	10	Routing Fundamentals
11	11	Mid-Term Project
12	12	Redistribution
13	13	Troubleshooting
14	14	OSPF (Part – I)
15	15	OSPF (Part – II)
16	16	EIGRP (Part – I)
17	17	EIGRP (Part – II)
18	18	Route Selection
19	19	BGP (Border Gateway Protocol)
20	20	IPV6
21	21	Remote Site Connectivity and DHCP Client
22	22	Router Security and Management
23	23	Ether Channel
24	24	Final Project

Mode of Classes

- On-Campus
- Online

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