



CCNA

The Cisco Certified Network Associate (CCNA) course consists of days 1 to 5 of the Cisco Networking Academy Programme.

Course Fee: 8500 INR (Lab Access, Software's, Books, Tool Kits & Tax Included)

Course Duration: 5 Days

Course Offered: CCNA / CCNA Routing and Switching / CCNA Wireless / CCNA Security

Day 1

OSI model and industry standards

Network topologies

IP addressing, including subnet masks

Networking components

Basic network design

Day 2

Beginning router configurations

Routed and routing protocols

Day 3

Advanced router configurations

LAN switching theory and VLANs

Advanced LAN and LAN switched design

Novell IPX

Threaded case studies

Day 4

WAN theory and Design

WAN technology, PPP, Frame Relay, ISDN

Network troubleshooting

National SCANS Skills

Threaded case study

Day 5

Complete Lab Practice, Exam Sessions, Live Lab Sessions, Theoretical Questionaries' sessions ie..

CCNA SECURITY

Module 1: Introduction to Network Security Principles

Module 2: Perimeter Security

Module 3: Network Security Using Cisco IOS Firewalls

Module 4: Site-to-Site VPNs

Module 5: Network Security Using Cisco IOS IPS

Module 6: LAN, SAN, Voice, and Endpoint Security Overview

Day 5

Complete Lab Practice, Exam Sessions, Live Lab Sessions, Theoretical Questionaries' sessions ie..

CCNA ROUTING AND SWITCHING

How networks function, network components and their functions, and the Open Systems Interconnection (OSI) reference model

Binary, decimal, and hexadecimal numbering

Switching operations and theory

Host-to-Host packet delivery process

TCP/IP network addressing and routing

IP subnetting

Providing Local Area (LAN), Wide Area (WAN), and remote access services

Advanced network theory, including Virtual Private Networks (VPN), Content Delivery Networks (CDN), Intranets and extranets, and wireless networking

Introduction to Cisco Internet Operating System (IOS)

Initial configuration of Cisco Catalyst Switches and Routers

Network discovery and management using Cisco Discovery Protocol (CDP), telnet, and Trivial FTP (TFTP)

Interconnecting networks using TCP/IP

Dangers of redundant switching

The Spanning Tree

Concepts of VLANs and trunking

Distance vector routing protocols

How to configure and troubleshoot a switch and router in a small network environment

Expanding the switched network from a small to medium network environment

Implementing VLSM

Configuring, verifying, and troubleshooting OSPF

Configuring, verifying, and troubleshooting EIGRP

When to use access control lists (ACLs)

Configuring, verifying, and troubleshooting ACLs

Configuring NAT and PAT

IPv6 addressing

Configuring PPP, CHAP, and PAP

Frame Relay operation

VPN solutions

Day 5

Complete Lab Practice, Exam Sessions, Live Lab Sessions, Theoretical Questionnaires' sessions ie..

CCNA VOICE

Day 1

Introduction

Introducing the Cisco Unified Communications System

Understanding Cisco Unified Communications Applications

Understanding Traditional Telephony

Introducing Analog Circuits

Introducing Digital Circuits

Test Prep & Day Review

Day 2

Understanding Packetization

Introducing VoIP Signaling Protocols

Implementing VLANs, Trunks, and Inter-VLAN Routing

Preparing the Network to Support Cisco Unified Communications

Connecting a VoIP System to a Service Provider Network

Understanding Call Setup and Digit Manipulation

Describing QoS

Test Prep & Day Review

Day 3

Introducing Cisco Unified Communications Manager Express

Defining Ephone-dn and Ephone

Configuring Cisco Unified Communications Manager Express to Support Endpoints

Implementing Basic Voice Features

Maintaining a Cisco Unified Communications Manager Express System

Test Prep & Day Review

Day 4

Introducing Cisco Unity Express

Implementing Cisco Unity Express

Introducing the Cisco Smart Business Communications System

Implementing the Cisco Smart Business Communications System Voice Features

Implementing Additional Cisco Smart Business Communications System Features

Maintaining a Cisco Smart Business Communications System

Test Prep & Day Review

Day 5

Complete Lab Practice, Exam Sessions, Live Lab Sessions, Theoretical Questionaries' sessions ie..

Self-Study - Open Lab, CCNA® Voice Test Prep, CCNA® Voice Exam: 640-460

For more information or query please feel free to contact us:

Byte Code Cyber Securities

Address: 72-B, 3rd Floor,
Vikas Marg, Laxmi Nagar,
New Delhi: 110092
Near Nirman Vihar Metro Station, Opposite Pillar No.50

Telephone: +91-64601115, +91-9210001115

Website: www.bytec0de.com

Email: info@bytec0de.com

