

CISCO CERTIFIED NETWORK PROFESSIONAL – CCNP (New Track) Training Program



This Program is ideally suited to following individuals who are:

- **Fresh University Graduates and like to develop their Career In CISCO**
- **Already working class who are willing to update and learn the new methodologies of CISCO and would like to get the certification of CISCO Second step CCNP**
- **Managers, Professionals, Network Engineers and Managers can also join, to learn the CISCO with the high tech professionals who have the extensive experience of Telecom sector at abroad.**

Program is offered by: 3D Educators – Trainers & Consultants

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3D EDUCATORS

TRAINERS & CONSULTANTS

Program Details

Inauguration

The Training Program will be inaugurated by a senior member of 3DEducators

Program Structure

Number of classes in a week	Two Class Per Week
Duration of each class	2-Hour
Total Duration	60 Hours

Other Learning Activities:

Classroom Assignments	6
Presentations by Trainees	1

About the Program Designer & Instructor

The "CCNP" Program has been designed by the International company CISCO and will be conducted by Senior most consultants who having the huge experience of training and implementation On CISCO System. They have worked with various large multinational organizations and provide the training in local and abroad.

The Trainers who are conducting this program have the following positions in the different organization:

- ✓ CCIE, CCNP, CCNA
- ✓ Telecom Engineers
- ✓ CISCO Engineers

They trainers are foreign qualified and having the degrees of PhD, MBA (MIS), BE (Telecom), MCSE + I, MCDBA, A+ Certified and CCIE, CCNP, and CCNA Certified. s

CCNP Course Outline

BSCI

(Building Scalable Cisco Internetworks)

- Scalable Routing Protocols
- Extending IP addresses
- Describing OSPF In Single Area
- Interconnecting Multiple OSPF Areas
- Describing and Configuring Enhanced IGRP
- Describing and Configuring IS-IS
- Operating a Network Using Multiple IP Routing Protocols
- Optimizing Routing Updates Operation
- Cisco IOS Features: Configuring DHCP
- Configuring Basic Border Gateway Protocol (BGP)
- Implementing BGP In Scalable Networks
- Implementing IP Multicasting
- Introducing IPv6

BCMSN TRAINERS & CONSULTANTS

(Building Cisco Multilayer Switched Networks)

- Introducing Campus Network
- Configuring VLANs and VTP
- Implementing Spanning Tree Protocol (STP)
- RSTP and MSTP
- Describing STP Security Mechanisms
- Implementing Multilayer Switching
- Configuring Layer 3 Redundancy with HSRP/VRRP and GLBP
- Implementing Wireless LANs
- Explaining WLAN Technology and Standards
- Configuring Switches to Support Voice
- Understanding Switch Security Issues

ISCW

(Implementing Secure Converged Wide Area Networks)

- Describing Network Connectivity Requirements
- Describing Cable and DSL Technology
- Frame Mode MPLS Implementation
- Describing MPLS VPN Technology
- IPsec VPNs
- Configuring GRE Tunnels Over IPsec
- Configuring Easy VPN and Easy VPN Server using SDM
- Implementing Cisco VPN Client
- Mitigating Network Attacks
- Disabling Unused Cisco Router Network Services
- Securing Management and Reporting Features
- Configuring AAA on Cisco Routers
- Introducing Cisco IOS Firewall
- Introducing Cisco IOS IPS

ONT

(Optimizing Converged Cisco Networks)

- Describing Network Requirements
- Describing Cisco VOIP Implementations
- Introducing to IP QoS
- Identifying Models for Implementing QoS
- Identifying Methods for Implementing QoS
- Implementing the *DiffServ* QoS Model
- Using NBAR For Classification
- Introducing Queuing Implementations
- Configuring WFQ
- Configuring CBWFQ and LLQ
- Introducing Congestion Avoidance
- Introducing Traffic Policing and Shaping
- Understanding WAN Link Efficiency Mechanisms
- Introducing Cisco Auto QoS
- Implementing WLAN QoS
- Introducing 802.1x