

Course Description: Join our CCNA networking course in Dubai and gain the essential skills required for a career in networking. Whether you're an absolute beginner or working professional looking to enhance your skills, our intensive training program provides a strong foundation in Cisco networking. Learn to configure, operate, and troubleshoot routers and switches. Gain hands-on practice with real world scenarios and become Cisco certified.

CCNA

1. Networking Fundamentals and OSI Model

- Networking components, topologies and standards
- OSI and TCP/IP models
- Ethernet standards and network protocols

2. Switching Technologies and VLANs

- Switching concepts, configurations and types
- VLAN concepts, implementation and inter-VLAN routing

3. Routing Technologies

- Static and dynamic routing, routing protocols
- OSPF, EIGRP configuration and troubleshooting

4. WAN Technologies

- PPP, Frame Relay, VPN technologies
- Broadband, Fiber and MPLS WAN operations

5. Infrastructure Services

- DHCP, DNS, NAT concepts and implementations
- Network management protocols and SNMP

6. Infrastructure Security

- Security tools, VPN and firewall concepts
- Authentication protocols and infrastructure hardening

7. Automation and Programmability

- Configuration management tools
- Python scripting for network automation

8. End-Point Security

- BYOD security challenges and solutions
- Next gen firewalls, IDS/IPS systems concepts

9. Capstone Project

- Industry sponsored networking project
- Documentation, presentation and evaluation