

CCNA V7.0

Course #1

1. Networking Today
2. Basic Switch and End Device Configuration
3. Protocol Models
4. Physical Layer
5. Number Systems
6. Data Link Layer
7. Ethernet Switching
8. Network Layer
9. Address Resolution
10. Basic Router Configuration
11. IPv4 Addressing
12. IPv6 Addressing
13. ICMP
14. Transport Layer
15. Application Layer
16. Network Security Fundamentals
17. Build a Small Network

Course #2

1. Basic Device Configuration
2. Switching Concepts
3. VLANs
4. Inter-VLAN Routing
5. STP
6. Etherchannel
7. DHCPv4
8. SLAAC and DHCPv6 Concepts
9. FHRP Concepts
10. LAN Security Concepts ¹
11. Switch Security Configuration ¹
12. WLAN Concepts ¹
13. WLAN Configuration ¹
14. Routing Concepts
15. IP Static Routing
16. Troubleshoot Static and Default Routes

Course #3

1. Single-Area OSPFv2 Concepts
2. Single-Area OSPFv2 Configuration
3. Network Security Concepts ¹
4. ACL Concepts
5. ACLs for IPv4 Configuration
6. NAT for IPv4
7. WAN Concepts
8. VPN and IPsec Concepts ¹
9. QoS Concepts
10. Network Management
11. Network Design
12. Network Troubleshooting
13. Network Virtualization
14. Network Automation ¹

¹New/significantly changed content