

# Cisco CCNA 5-Day Fast Track | Pass Guarantee

## Course Structure



### Monday

LAN & WAN Protocols  
 LAN & WAN topologies  
 Cisco Hardware  
 Wireless standard  
 OSI-7 layers reference model  
 Packet and Frames  
 Operations of Ethernet  
 Cabling and Connectors  
 Creating null modem  
 Identify interfaces and cabling  
 Cisco router 2500/2600/2800  
 Cisco switch 2950  
 TCP/IP protocols  
 Functions of IP/ARP/ICMP  
 Functions of TCP/UDP/SSH...  
 Widowing

### Extra:

-cisco games for WIFI  
 -OSI 7 Layers game  
 -Introduction of GNS3 (Virtual Net)  
 -Introduction of Wireshark  
 -Mock Exams

### Tuesday

Classes of IP  
 Subnetting  
 Basic routing process  
 Limitation of Ipv4  
 Understanding Ipv6  
 VLSM  
 Private IP & Public IP  
 N.A.T  
 Hierarchical addressing  
 Static route  
 Understanding theory routing pro.  
 Gateway of last resort  
 IGP and EGP protocols  
 Autonomous system  
 Creating physical labs & virtual  
 CIDR

### Extra:

-Subnetting questions  
 -Mock Exams  
 -Use of GNS3(Virtual Network)  
 -Use of Wireshark (Packet Sniffer)

### Wednesday

Components of a router  
 Router's boot sequence  
 Introduction of command line  
 Router IOS recovery & backup  
 Configuring and use TFTP server  
 Securing Router's access  
 Password recovery lab  
 Configuring interfaces with IP  
 Configuring and use of Telnet  
 Configuring and use SSH  
 Using Cisco Discovery Protocol  
 Setting Message of the Day banner  
 Use extended ping command  
 Use of Traceroute  
 Configuration Backup

### Extra:

-Subnetting questions  
 -Mock Exams  
 -Use of GNS3  
 -Use of Wireshark  
 -Break and Fix lab

### Thursday

Building Routed Network  
 Configuring static route  
 Test and troubleshoot static route  
 Understand and use RIPv2  
 Test and troubleshoot RIPv2  
 Understand and use OSPF  
 Test and troubleshoot OSPF  
 Understand and use EIGRP  
 test and troubleshoot EIGRP  
 Default static route & redistribute  
 Understanding access list  
 Configure ACL standard & Extended  
 Configure ACL named  
 Optimise placement of ACL  
 Configuring NAT static and overload  
 Understanding VPN

### Extra:

-Subnetting questions  
 -Mock Exams  
 -Use of GNS3  
 -Use of Wireshark  
 -Break and Fix lab  
 -Understand and use IS-IS  
 -Understand and use BGP  
 -Configuring DHCP

### Friday

Frame type in serial links  
 Compare & config HDLC and PPP  
 Compare & config PAP and CHAP  
 Troubleshoot PPP authentication  
 LMI/DLCI/CIR concepts  
 Configuring & troubleshoot F.Relay  
 Understanding Layer 2 switch  
 Switch & MAC address  
 STP/RSTP/PVST  
 EtherChannel & PortFast  
 Different state of ports  
 RootBridge elections  
 Switch configuration and securing  
 Password recovery for switch  
 Understanding & Vlan config  
 Configuring router on a stick  
 VTP/Pruning configuration

### Extra:

-Subnetting questions  
 -Mock Exams  
 -Use of GNS3  
 -Use of Wireshark  
 -Break and Fix lab  
 -Vlan config and troubleshooting  
 -Last advices for exam taker