

CCNA 1 - Introduction to Networks (ITN)

Module 1	Networking Today	Basic Network Connectivity and Communications
Module 2	Basic Switch and End Device Configuration	
Module 3	Protocol Models	
Module 4	Physical Layer	Ethernet Concepts
Module 5	Number Systems	
Module 6	Data Link Layer	
Module 7	Ethernet Switching	
Module 8	Network Layer	Communicating Between Networks
Module 9	Address Resolution	
Module 10	Basic Router Configuration	
Module 11	IPv4 Addressing	IP Addressing
Module 12	IPv6 Addressing	
Module 13	ICMP	
Module 14	Transport Layer	Network Application Communications
Module 15	Application Layer	
Module 16	Network Security Fundamentals	Building and Securing a Small Network
Module 17	Build a Small Network	
FINAL EXAMS	Written and Lab Finals	

CCNA 2 - Switching, Routing, and Wireless Essentials

Module 1	Basic Device Configuration	Switching Concepts and VLANS
Module 2	Switching Concepts	
Module 3	VLANS	
Module 4	Inter-VLAN Routing	
Module 5	STP	Redundant Networks
Module 6	Etherchannel	
Module 7	DHCPv4	Available and Reliable Networks

Module 8	SLAAC and DHCPv6 Concepts	
Module 9	FHRP Concepts	
Module 10	LAN Security Concepts	L2 Security and WLANs
Module 11	Switch Security Configuration	
Module 12	WLAN Concepts	
Module 13	WLAN Configuration	
Module 14	Routing Concepts	Routing Concepts and Configuration
Module 15	IP Static Routing	
Module 16	Troubleshoot Static and Default Routes	
FINAL EXAMS	Written and Lab Finals	
CCNA 3 - Enterprise Networking, Security, and Automation		
Module 1	Single-Area OSPFv2 Concepts	OSPF Concepts and Configuration
Module 2	Single-Area OSPFv2 Configuration	
Module 3	Network Security Concepts	Network Security
Module 4	ACLs Concepts	
Module 5	ACLs for IPv4 Configuration	
Module 6	NAT for IPv4	
Module 7	WAN Concepts	WAN
Module 8	VPN and IPsec Concepts	
Module 9	QoS Concepts	Optimize, Monitor, and Troubleshoot Networks
Module 10	Network Management	
Module 11	Network Design	
Module 12	Network Troubleshooting	
Module 13	Network Virtualization	Network Virtualization and Automation
Module 14	Network Automation	
FINAL EXAMS	Written and Lab Finals	CCNA PRACTICE EXAMS