CCNA (Cisco Certified Network Associate) Course Catalog – 30 Days

Day	Module	Topics Covered
1-2	Introduction to CCNA & Networking Basics	CCNA Certification Overview, Networking Concepts (LAN, WAN, MAN, VPN)
3-4	OSI & TCP/IP Model	OSI Layers, Encapsulation, TCP vs. UDP, Protocols
5-6	Networking Devices & Architecture	Routers, Switches, Hubs, Firewalls, Access Points
7-8	IP Addressing & Subnetting	IPv4 & IPv6 Addressing, Subnetting, CIDR
9-10	Cisco IOS & CLI Basics	Router & Switch Configuration, CLI Commands
11-12	Switching Concepts & VLANs	VLANs, Trunking, Inter-VLAN Routing, Spanning Tree Protocol (STP)
13-14	Routing Basics & Static Routing	Routing Concepts, Static Routes, Administrative Distance
15-16	Dynamic Routing Protocols	RIP, OSPF, EIGRP Concepts & Configuration
17-18	WAN Technologies & Protocols	PPP, Frame Relay, MPLS, VPN, SD-WAN
19-20	Wireless Networking (Wi-Fi)	WLAN, Security Protocols, Configuring Cisco Wireless Devices
21-22	Network Security Fundamentals	Firewalls, ACLs, VPN, Intrusion Prevention
23-24	Network Address Translation (NAT) & Access Control Lists (ACLs)	NAT Configuration, Standard & Extended ACLs
25-26	Network Troubleshooting & Tools	Ping, Traceroute, Show Commands, Wireshark
27-28	Automation & Network Programmability	Introduction to SDN, REST APIs, Python for Networking
29	Final Review & Mock Exams	Hands-on Lab Practice, Troubleshooting Scenarios
30	Certification & Course Completion	Final Assessment, CCNA Exam Preparation

Would you like any changes or additions to this course catalog? 😊