COURSE SYLLABUS

Cisco Certified Network Associate (CCNA) Certification

Prepare for the Cisco 200-301 CCNA certification with hands-on, instructor-led training in routing, switching, IP connectivity, network access, security fundamentals, and automation.

> Group classes (Washington, DC) and onsite training are available for this course.
> For more information, email onsite@graduateschool.edu or visit: https://sdfm.graduateschool.edu/courses/cisco-certified-network-associate-ccna-certification



CustomerRelations@graduateschool.edu • (888) 744-4723

Course Outline

- Module 1: Exploring the Functions of Networking
- Module 2: Introducing the Host-To-Host Communications Model
- Module 3: Operating Cisco IOS Software
- Module 4: Introducing LANs
- Module 5: Exploring the TCP/IP Link Layer
- Module 6: Starting a Switch
- Module 7: Introducing the TCP/IP Internet Layer, IPv4 Addressing, and Subnets
- Module 8: Explaining the TCP/IP Transport Layer and Application Layer
- Module 9: Exploring the Functions of Routing
- Module 10: Configuring a Cisco Router
- Module 11: Exploring the Packet Delivery Process
- Module 12: Troubleshooting a Simple Network
- Module 13: Introducing Basic IPv6
- Module 14: Configuring Static Routing
- Module 15: Implementing VLANs and Trunks
- Module 16: Routing Between VLANs
- Module 17: Introducing OSPF
- Module 18: Building Redundant Switched Topologies
- Module 19: Improving Redundant Switched Topologies with EtherChannel
- Module 20: Exploring Layer 3 Redundancy
- Module 21: Introducing WAN Technologies
- Module 22: Explaining Basics of ACL
- Module 23: Enabling Internet Connectivity

- Module 24: Introducing QoS
- Module 25: Explaining Wireless Fundamentals
- Module 26: Introducing Architectures and Virtualization
- Module 27: Explaining the Evolution of Intelligent Networks
- Module 28: Introducing System Monitoring
- Module 29: Managing Cisco Devices
- Module 30: Examining the Security Threat Landscape
- Module 31: Implementing Threat Defense Technologies
- Module 32: Securing Administrative Access
- Module 33: Implementing Device Hardening