

Cisco Certified Network Associate (CCNA) Certification (Self-Paced)

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 in Live Online and onsite training is available for this course. For more information, email onsite@graduateschool.edu or visit: <https://www.graduateschool.edu/courses/cisco-certified-network-associate-ccna-certification-self-paced>



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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