

Course Outline

- Module 1: Designing EIGRP routing
- Module 2: Designing OSPF routing
- Module 3: Designing IS-IS routing
- Module 4: Designing BGP routing and redundancy
- Module 5: Exploring BGP Address Families and Attributes
- Module 6: Designing an Enterprise Campus LAN
- Module 7: Designing Layer 2 Campus
- Module 8: Designing a Layer 3 Campus
- Module 9: Discovering the Cisco SD-Access Architecture
- Module 10: Exploring Cisco SD-Access Fabric Design
- Module 11: Exploring Cisco SD-Access Site Design Strategy and Considerations
- Module 12: Discovering Service Provider-Managed VPNs
- Module 13: Designing Enterprise-Managed VPNs
- Module 14: Designing WAN Resiliency
- Module 15: Examining Cisco SD-WAN Architectures
- Module 16: Examining Cisco SD-WAN Deployment Design Considerations
- Module 17: Examining Cisco SD-WAN—NAT and Hybrid Design Considerations
- Module 18: Designing Cisco SD-WAN Routing and High Availability
- Module 19: Exploring QoS
- Module 20: Designing LAN and WAN QoS
- Module 21: Introducing Multicast
- Module 22: Exploring Multicast with PIM-SM
- Module 23: Designing Rendezvous Point Distribution Solutions
- Module 24: Designing an IPv4 Address Plan
- Module 25: Exploring IPv6
- Module 26: Deploying IPv6
- Module 27: Introducing Network APIs and Protocols
- Module 28: Exploring YANG, NETCONF, RESTCONF, and Model-Driven Telemetry

Lab Outline

- Discovery 1: Designing Enterprise Connectivity
- Discovery 2: Designing an Enterprise Network with BGP Internet Connectivity
- Discovery 3: Designing an Enterprise Campus LAN
- Discovery 4: Designing SD-Access in the Enterprise
- Discovery 5: Designing Resilient Enterprise WAN
- Discovery 6: Designing QoS in an Enterprise Network
- Discovery 7: Designing an Enterprise IPv6 Network