CISCO CERTIFIED
CCNP
ENTERPRISE

Implementing and Operating Cisco Enterprise Core Technologies

The Implementing and Operating Cisco Enterprise Network Core Technologies v1.1 (ENCOR 350-401) course gives you the knowledge and skills needed to configure, troubleshoot, and manage enterprise wired and wireless networks. You'll also learn to implement security principles, implement automation and programmability within an enterprise network, and how to overlay network design by using SD-Access and SD-WAN solutions. Passing the ENCOR 350-401 exam is required for CCNP Enterprise, CCIE Enterprise Infrastructure, CCIE Enterprise Wireless and earns the candidate the Cisco Certified Specialist – Enterprise Core certification.

Skills measured
- Dual stack (IPv4 and IPv6) architecture
- Virtualization
- Infrastructure
- Network assurance
- Security
- Automation

Our unique model follows a streamlined approach to workforce development and skills attainment

Assess: Assess each student to determine existing skill sets

Educate: Deliver goal-specific training utilizing all delivery modalities

Mentor: Expose students to instructors and mentors with front-line IT and cybersecurity experience

Certify: Certify students with the requisite hands-on skills to perform the tasks related to their functional roles

Validate: Validate student abilities through performance analytics and real-world exercises hosted on a cyber range

Exam Objectives: 350-401 ENCOR
Implementing and Operating Cisco Enterprise Core Technologies

Architecture	15%
Virtualization	10%
Infrastructure	30%
Network Assurance	10%
Security	20%
Automation	15%

Course Outline:

Chapter 1: Packet Forwarding
Chapter 2: Spanning Tree Protocol
Chapter 3: Advanced STP Protocol
Chapter 4: Multiple Spanning Tree Protocol
Chapter 5: VLAN Trunks and EtherChannel Bundles
Chapter 6: IP Routing Essentials
Chapter 7: EIGRP
Chapter 8: OSPF
Chapter 9: Advanced OSPF
Chapter 10: OSPFv3
Chapter 11: BGP
Chapter 12: Advanced BGP
Chapter 13: Multicast
Chapter 14: QoS
Chapter 15: IP Services
Chapter 16: Overlay Tunnels

Chapter 17: Wireless Signals and Modulation
Chapter 18: Wireless Infrastructure
Chapter 19: Understanding Wireless Roaming and Location Services
Chapter 20: Authenticating Wireless Clients
Chapter 21: Troubleshooting Wireless Connectivity
Chapter 22: Enterprise Network Architecture
Chapter 23: Fabric Technologies
Chapter 24: Network Assurance
Chapter 25: Secure Network Access Control
Chapter 26: Network Device Access Control and Infrastructure Security
Chapter 27: Virtualization
Chapter 28: Foundational Network Programmability Concepts
Chapter 29: Introduction to Automation Tools

Included

40 hours of instructor-led training sessions
Cisco authorized textbook and class materials
Practice questions and exam study tips