Implementing and Operating Cisco Enterprise Network Core Technologies v1.4 (ENCOR)

Price: 4295

Duration: 5 days

Delivery Methods: Virtual

Overview

This training 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.

This training helps you prepare to take the 350-401 Implementing Cisco Enterprise Network Core Technologies (ENCOR) exam, which is part of four certifications:

- CCNP Enterprise
- CCIE Enterprise Infrastructure
- CCIE Enterprise Wireless
- Cisco Certified Specialist – Enterprise Core

How you'll benefit

This training will help you:

- Configure, troubleshoot, and manage enterprise wired and wireless networks
- Implement security principles within an enterprise network
- Overlay network design by using Cisco SD-Access and SD-WAN solutions

Who should enroll

- Mid-level network engineers
- Network administrators
- Network support technicians
- Help desk technicians

Prerequisites

There are no prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

- Understanding of how to implement enterprise LAN networks
- Basic understanding of enterprise routing and wireless connectivity
- Basic understanding of Python scripting

These skills can be found in the following Cisco Learning Offerings:

- Implementing and Administering Cisco Solutions (CCNA)
- Programming for Network Engineers (PRNE)

Outline

- Examining Cisco Enterprise Network Architecture
- Exploring Cisco Switching Paths
- Implementing Campus LAN Connectivity
- Building Redundant Switched Topology
- Implementing Layer 2 Port Aggregation
- Implementing OSPF
- Optimizing OSPF
- Explaining EIGRP
- Exploring EBGP
- Implementing Network Redundancy
- Implementing NAT
- Introducing Virtualization Protocols and Techniques
- Exploring Virtual Private Networks and Interfaces
- Examining Wireless Deployment Options
- Examining Wireless AP Operation
- Implementing Wireless Client Authentication

- Troubleshooting Wireless Client Connectivity
- Implementing Network Services
- Introducing Multicast Protocols
- Introducing QoS
- Using Network Analysis Tools
- Implementing Infrastructure Security
- Implementing Secure Access Control
- Discovering the Basics of Python Programming
- Introducing Network Programmability Protocols
- Explaining Wireless Principles
- Exploring Wireless Roaming and Location Services
- Exploring Enterprise Network Security Architecture
- Exploring Cisco Catalyst Center—Network Automation and Management
- Examining the Cisco SD-Access Solution
- Exploring the Working Principles of the Cisco Catalyst SD-WAN Solution
- Introducing APIs in Cisco Catalyst Center and Cisco Catalyst SD-WAN Manager

Course Schedule

Date	Time	Price	Options
12/14/2026	**09:00 AM - 05:00 PM CT**	**4,295.00**	**Buy Now Enroll**
10/05/2026	**09:00 AM - 05:00 PM CT**	**4,295.00**	**Buy Now Enroll**

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FAQ

What if I have to reschedule my class due to conflict?

Ten (10) business days' notice is required to reschedule a class with no additional fees. Notify TOPTALENT LEARNING as soon as possible at 469-721-6100 or by written notification to info@toptalentlearning.com to avoid rescheduling penalties.

How do I enroll for this class?

Please contact our team at 469-721-6100; we will gladly guide you through the online purchasing process.

What happens once I purchase a class?

You will receive a receipt and an enrollment confirmation sent to the email you submitted at purchase. Your enrollment email will have instructions on how to access the class. Any additional questions our team is here to support you. Please call us at 469-721-6100.

What is your late policy?

If a student is 15 minutes late, they risk losing their seat to a standby student. If a student is 30 minutes late or more, they will need to reschedule. A no-show fee will apply. Retakes are enrolled on a stand-by basis. The student must supply previously issued courseware. Additional fees may apply.

What happens when I finish my class?

You will receive a ‘Certificate of Completion’ once you complete the class. If you purchased an exam voucher for the class, a team member from TOPTALENT LEARNING will reach out to discuss your readiness for the voucher and make arrangements to send it.