

## Cisco® Implementing and Operating Cisco® Enterprise Network Core Technologies v1.0 (ENCOR)

### Overview

This 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 within an enterprise network and how to overlay network design by using solutions such as SD-Access and SD-WAN. This course consists of 5 days of instructor led training, plus the equivalent of 3 days of self-paced training. This course includes post class lab access- a total of 60 hours of labs over a 90 day period.

### Prerequisite Comments

Knowledge and skills you should have before attending this course:  
 Implementation of Enterprise LAN networks  
 Basic understanding of Enterprise routing and wireless connectivity  
 Basic understanding of Python scripting

### Target Audience

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

### Course Objectives

This course will help you:  
 Configure, troubleshoot, and manage enterprise wired and wireless networks  
 Implement security principles within an enterprise network  
 Prepare to take the 350-401 Implementing Cisco Enterprise Network Core Technologies (ENCOR) exam

### Course Outline

[Register Online](#)

### Schedule

Class Length: 5 Days

G2R = "Guaranteed to Run" | OLL = "Online LIVE"  
 ILT = "Instructor-Led-Training"

02/08/21	G2R	8:00AM - 4:00PM	Nashville, TN	OLL	\$4,195.00
02/08/21	G2R	8:00AM - 4:00PM	Omaha, NE	OLL	\$4,195.00
02/08/21	G2R	9:00AM - 5:00PM	Columbus, OH	OLL	\$4,195.00
02/08/21	G2R	9:00AM - 5:00PM	Pittsburgh, PA	OLL	\$4,195.00
02/08/21	G2R	9:00AM - 5:00PM	Atlanta, GA	OLL	\$4,195.00
03/08/21	G2R	9:00AM - 5:00PM	Omaha, NE	OLL	\$4,195.00
03/08/21	G2R	10:00AM - 6:00PM	Columbus, OH	OLL	\$4,195.00
03/08/21	G2R	10:00AM - 6:00PM	Pittsburgh, PA	OLL	\$4,195.00
03/08/21	G2R	10:00AM - 6:00PM	Atlanta, GA	OLL	\$4,195.00
04/05/21		9:00AM - 5:00PM	Omaha, NE	OLL	\$4,195.00
04/05/21		10:00AM - 6:00PM	Pittsburgh, PA	OLL	\$4,195.00
04/05/21		10:00AM - 6:00PM	Columbus, OH	OLL	\$4,195.00
04/05/21		10:00AM - 6:00PM	Atlanta, GA	OLL	\$4,195.00
04/12/21		10:00AM - 6:00PM	Nashville, TN	OLL	\$4,195.00
04/12/21		10:00AM - 6:00PM	Omaha, NE	OLL	\$4,195.00

### 1 - Course Outline

Examining Cisco Enterprise Network Architecture  
 Understanding Cisco Switching Paths  
 Implementing Campus Lan Connectivity  
 Building Redundant Switched Topology  
 Implementing Layer 2 Port Aggregation  
 Understanding Eigrp  
 Implementing Ospf  
 Optimizing Ospf  
 Exploring Ebgp  
 Implementing Network Redundancy  
 Implementing Nat  
 Introducing Virtualization Protocols And Techniques  
 Understanding Virtual Private Networks And Interfaces  
 Understanding Wireless Principles  
 Examining Wireless Deployment Options  
 Understanding Wireless Roaming And Location Services  
 Examining Wireless Ap Operation  
 Understanding Wireless Client Authentication  
 Troubleshooting Wireless Client Connectivity  
 Introducing Multicast Protocols  
 Introducing Qos  
 Implementing Network Services  
 Using Network Analysis Tools  
 Implementing Infrastructure Security  
 Implementing Secure Access Control  
 Understanding Enterprise Network Security Architecture  
 Exploring Automation And Assurance Using Cisco Dna Center  
 Examining The Cisco Sd-Access Solution  
 Understanding The Working Principles Of The Cisco Sd-Wan Solution  
 Understanding The Basics Of Python Programming  
 Introducing Network Programmability Protocols  
 Introducing Apis In Cisco Dna Center And Vmanage

04/12/21	11:00AM - 7:00PM	Pittsburgh, PA	OLL	\$4,195.00
04/12/21	11:00AM - 7:00PM	Atlanta, GA	OLL	\$4,195.00
04/12/21	11:00AM - 7:00PM	Columbus, OH	OLL	\$4,195.00
05/03/21	9:00AM - 5:00PM	Omaha, NE	OLL	\$4,195.00
05/03/21	10:00AM - 6:00PM	Columbus, OH	OLL	\$4,195.00
05/03/21	10:00AM - 6:00PM	Atlanta, GA	OLL	\$4,195.00
05/03/21	10:00AM - 6:00PM	Pittsburgh, PA	OLL	\$4,195.00
06/14/21	8:00AM - 4:00PM	Nashville, TN	OLL	\$4,195.00
06/14/21	8:00AM - 4:00PM	Omaha, NE	OLL	\$4,195.00
06/14/21	9:00AM - 5:00PM	Omaha, NE	OLL	\$4,195.00
06/14/21	9:00AM - 5:00PM	Pittsburgh, PA	OLL	\$4,195.00
06/14/21	9:00AM - 5:00PM	Columbus, OH	OLL	\$4,195.00
06/14/21	9:00AM - 5:00PM	Atlanta, GA	OLL	\$4,195.00
06/14/21	10:00AM - 6:00PM	Atlanta, GA	OLL	\$4,195.00
06/14/21	10:00AM - 6:00PM	Columbus, OH	OLL	\$4,195.00
06/14/21	10:00AM - 6:00PM	Pittsburgh, PA	OLL	\$4,195.00
07/12/21	9:00AM - 5:00PM	Omaha, NE	OLL	\$4,195.00
07/12/21	10:00AM - 6:00PM	Pittsburgh, PA	OLL	\$4,195.00
07/12/21	10:00AM - 6:00PM	Columbus, OH	OLL	\$4,195.00
07/12/21	10:00AM - 6:00PM	Atlanta, GA	OLL	\$4,195.00

08/09/21	9:00AM - 5:00PM	Omaha, NE	OLL	\$4,195.00
08/09/21	10:00AM - 6:00PM	Atlanta, GA	OLL	\$4,195.00
08/09/21	10:00AM - 6:00PM	Pittsburgh, PA	OLL	\$4,195.00
08/09/21	10:00AM - 6:00PM	Columbus, OH	OLL	\$4,195.00
09/13/21	9:00AM - 5:00PM	Omaha, NE	OLL	\$4,195.00
09/13/21	10:00AM - 6:00PM	Pittsburgh, PA	OLL	\$4,195.00
09/13/21	10:00AM - 6:00PM	Atlanta, GA	OLL	\$4,195.00
09/13/21	10:00AM - 6:00PM	Columbus, OH	OLL	\$4,195.00