

# CCNA Routing and Switching

**Cost:** \$2279.00 Includes all training material, training videos, labs and accesses to Pearson VUE training lab for one year.

## OVERVIEW & PURPOSE

With Cisco CCNA ICND2 200-105 official cert guide you'll study all of the Cisco CCNA fundamentals. Each section of this course includes easy understanding of the topics and concepts starting with Implementing Ethernet Virtual LANs, Spanning Tree Protocol Implementation, LAN Troubleshooting, Implementing OSPF for IPv4, Basic IPv4 Access Control Lists, and many more with the interactive lessons, test-prep, quizzes, exercises, and other resources. This course covers all the objectives of the Cisco CCNA Routing and Switching ICND2 200-105 certification exam.

## ACTIVITY

### Here's what you will learn:

Lesson 1: Introduction

Lesson 2: Your Study Plan

Lesson 3: Implementing Ethernet Virtual LANs

Lesson 4: Spanning Tree Protocol Concepts

Lesson 5: Spanning Tree Protocol Implementation

Lesson 6: LAN Troubleshooting

Lesson 7: VLAN Trunking Protocol

Lesson 8: Miscellaneous LAN Topics

Lesson 9: Understanding OSPF Concepts

Lesson 10: Implementing OSPF for IPv4

Lesson 11: Understanding EIGRP Concepts

Lesson 12: Implementing EIGRP for IPv4

Lesson 13: Troubleshooting IPv4 Routing Protocols

Lesson 14: Implementing External BGP

Lesson 15: Implementing Point-to-Point WANs

Lesson 16: Private WANs with Ethernet and MPLS

Lesson 17: Private WANs with Internet VPN

Lesson 18: Basic IPv4 Access Control Lists

Lesson 19: Advanced IPv4 Access Control Lists

Lesson 20: Quality of Service (QoS)

Lesson 21: IPv4 Routing in the LAN

Lesson 22: Implementing HSRP for First-Hop Routing

Lesson 23: Troubleshooting IPv4 Routing

Lesson 24: IPv6 Routing Operation and Troubleshooting

Lesson 25: Implementing OSPF for IPv6

Lesson 26: Implementing EIGRP for IPv6

Lesson 27: IPv6 Access Control Lists

Lesson 28: Network Management

Lesson 29: Cloud Computing

Lesson 30: SDN and Network Programmability

Lesson 31: Final Review

Lesson 32: Appendix A: Numeric Reference Tables

Lesson 33: Appendix B: CCNA ICND2 200-105 Exam Updates

Lesson 34: Appendix C: Practice for Chapter 16: Basic IPv4 Access Control Lists

Lesson 35: Appendix D: Learning IPv4 Routes with RIPv2

Lesson 36: Appendix E: Understanding Frame Relay Concepts

Lesson 37: Appendix F: Implementing Frame Relay

Lesson 38: Appendix G: IPv4 Troubleshooting Tools

Lesson 39: Appendix H: Topics from Previous Editions

## Lesson 40: Appendix I: Exam Topic Cross Reference