

COURSE OUTLINE

Designing Cisco Enterprise Wireless Networks (ENWLSD) v1.1

Duration: 5 Days

Prerequisites:

Before taking this training, you should have:

- General knowledge of networks
- General knowledge of wireless networks
- Routing and switching knowledge

Either of the following combinations of Cisco trainings can help you meet these prerequisites:

- Implementing Cisco Wireless Network Fundamentals (WIFUND) and Interconnecting Cisco Networking Devices, Part 1 (ICND1)
- Coming soon: Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR) and Understanding Cisco Wireless Foundations (WLFNDU)

Course Description:

The Designing Cisco Enterprise Wireless Networks (ENWLSD) v1.1 training gives you the knowledge you need to design Cisco® wireless networks. The training covers design specifics from scenario design concepts through the installation phase and into post-deployment validation.

This training, including the self-paced material, helps prepare you to take the exam, Designing Cisco Enterprise Wireless Networks (300-425 ENWLSD), which leads to the CCNP® Enterprise and Cisco Certified Specialist – Enterprise Wireless Design certifications. This training also earns you 40 Continuing Education (CE) credits towards recertification.

Course Objectives:

After taking this training, you should be able to:

- Describe and implement a Cisco-recommended structured design methodology
- Describe and implement industry standards, amendments, certifications, and Requests For Comments (RFCs)
- Describe and implement Cisco enhanced wireless features
- Describe and implement the wireless design process
- Describe and implement specific vertical designs
- Describe and implement site survey processes
- Describe and implement network validation processes

Intended Audience:

This training is for wireless engineers who work in the following roles:

- Consulting systems engineer
- Network administrator
- Network engineer
- Network manager
- Sales engineer
- Systems engineer
- Technical solutions architect
- Wireless design engineer
- Wireless engineer

Course Outline:

- Structured Wireless Design Methodology
- Wireless Industry Protocols and Standards
- The Science of Wireless Technology
- Cisco Enhanced Wireless Features
- Cisco Mobility and Roaming
- Wireless Design Process
- Wireless Network Design for Specific Applications
- Designing Wireless Networks for Specific Vertical Designs
- Bridging and Mesh in Wireless Networks
- Special Considerations in Advanced Wireless Designs
- Cisco CMX and Cisco Spaces
- Survey Processes
- Wireless Network Design with Third-Party Tools
- Wireless Network Validation Processes
- Completing the Wireless Design Project

Lab outline

- Review Cisco Enhanced Wireless Features
- Design a Wireless Network
- Design a Wireless Network for a Specific Vertical
- Design a Wireless Network that Extends Beyond the Campus (ILT output)
- Use Cisco Prime Infrastructure as a Design Tool
- Create a Predictive Site Survey with Ekahau Pro
- Review a Live Site Survey Using Access Point on a Stick (APoS)
- Simulate a Post-installation Network Validation Survey

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