

**Document Generated: 06/16/2026**

**Learning Style: On Demand**

**Technology: Cisco**

**Difficulty: Intermediate**

**Course Duration: 40 Hours**

## **Designing Cisco Enterprise Wireless Networks (ENWLSD) v2.0 - On Demand**



### **About this course:**

The Designing Cisco Enterprise Wireless Networks (ENWLSD) v2.0 course gives you the knowledge you need to design Cisco wireless networks.

The course covers design specifics from scenario design concepts through the installation phase and into post-deployment validation.

This course helps prepare you to take the Designing Cisco Enterprise Wireless Networks (300-425 ENWLSD) exam, which leads to the new CCNP® Enterprise and Cisco Certified Specialist – Enterprise Wireless Design certifications.

## **Course Objective:**

After taking this course, 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

## **Audience:**

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

## Prerequisite:

Before taking this course, you should have:

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

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

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

## Course Outline:

### Describing and Implementing a Structured Wireless Design Methodology

Importance of Planning Wireless Design with a Structured Methodology  
Cisco Structured Design Model  
Cisco Design Guides and Cisco Validated Designs for Wireless Networks  
Role of the Project Manager When Designing Wireless Networks

### Describing and Implementing Industry Protocols and Standards

Wireless Standards Bodies  
Institute of Electrical and Electronics Engineers (IEEE) 802.11 Standard and Amendments  
Wi-Fi Alliance (WFA) Certifications  
Relevant Internet Engineering Task Force (IETF) Wireless RFCs  
Practice Activity

### Describing and Implementing Cisco Enhanced Wireless Features

Hardware and Software Choices for a Wireless Network Design  
Cisco Infrastructure Settings for Wireless Network Design  
Cisco Enhanced Wireless Features

### Examining Cisco Mobility and Roaming

Mobility and Intercontroller Mobility in a Wireless Network  
Optimize Client Roaming in a Wireless Network  
Cisco Workgroup Bridge (WGB) and WGB Roaming in a Wireless Network

## Describing and Implementing the Wireless Design Process

Overview of Wireless Design Process

Meet with the Customer to Discuss the Wireless Network Design

Customer Information Gathering for a Wireless Network Design

Design the Wireless Network

Deployment of the Wireless Network

Validation and Final Adjustments of the Wireless Network

Wireless Network Design Project Documents and Deliverables

## Describing and Implementing Specific Vertical Designs

Designs for Wireless Applications

Wireless Network Design Within the Campus

Extend Wireless Networks to the Branch Sites

## Examining Special Considerations in Advanced Wireless Designs

High-Density Designs in Wireless Networks

Introducing Location and Cisco Connected Mobile Experiences (CMX)

Concepts

Design for Location

FastLocate and HyperLocation

Bridges and Mesh in a Wireless Network Design

Redundancy and High Availability in a Wireless Network

## Describing and Implementing the Site Survey Processes

Site Survey Types

Special Arrangements Needed for Site Surveys

Safety Aspects to be Considered During Site Surveys

Site Survey Tools in Cisco Prime Infrastructure

Third-Party Site Survey Software and Hardware Tools

## Describing and Implementing Wireless Network Validation Processes

Post-installation Wireless Network Validation

Making Post-installation Changes to a Wireless Network

Wireless Network Handoff to the Customer

Installation Report

## **Credly Badge:**

**Display your Completion Badge And Get The Recognition You Deserve.**

Add a completion and readiness badge to your



LinkedIn profile, Facebook page, or Twitter account to validate your professional and technical expertise. With badges issued and validated by Credly, you can:

- Let anyone verify your completion and achievement by clicking on the badge
- Display your hard work and validate your expertise
- Display each badge's details about specific skills you developed.

Badges are issued by QuickStart and verified through Credly.

[Find Out More](#) or [See List Of Badges](#)