



## Deploying Cisco Wireless Enterprise Networks (WIDEPLOY) v1.0

This course offers a new perspective on designing your wireless networks. The student will learn how to design a wireless network from the beginning to end, from customer-first contact to post-deployment reports. The student will learn how to conduct walk-throughs, identify difficult areas and optimize the survey process to provide a better AP-to-coverage ratio.

### Course Objectives

Upon completing this course, the student will be able to meet these objectives:

- Understand the needs of wireless networks today
- Wireless Architectures and Core Components
- Wireless Design Methodologies and Best Practices
- Designing for Real-Time Applications
- Examining Planning and Design Tools
- Implementing a Wireless Design
- Troubleshoot Methodology

### Who Should Attend

The primary audience for this course is as follows:

- Network Engineers
- Network Administrators
- Network Managers
- System Engineers

### Prerequisites

- Interconnecting Cisco Networking Devices Part 1 (ICND1)
- Implementing Cisco Wireless Network Fundamentals (WIFUND)

And knowledge of the following:

- Cisco Prime Infrastructure
- Cisco Identity Services Engine
- Metageek Channelizer Software
- Voice Signaling Protocol
- Basic QoS
- Application Visibility and Control
- LAN switching

### Course Outline

#### Module 1: Determine Customer Wi-Fi Design Process

- Determining Customer Design Technical and Business Objectives
- Determining the Type of Wireless Design
- Gathering Existing Documentation and Important Information
- Meeting with the Customer

#### Module 2: Design for Data Coverage

- Describing Common Business and Technical Drivers
- Describing Cisco Capabilities
- Planning and Designing for RF
- Describing Deployment Models
- Describing Campus Considerations

#### Module 3: Design for Voice and Real-Time Applications

- Describing Common Business and Technical Drivers
- Describing Cisco Capabilities
- Describing RF Planning and Design
- Describing Cisco AVC and QoS

#### Module 4: Design for Location and Cisco CMX

- Describing Common Business and Technical Drivers
- Describing Cisco Capabilities
- Describing RF Planning and Design
- Cisco CMX Ecosystem Analytics and Development



### Associated Certifications

CCNP Wireless

### Required Exam(s)

300-360

### Price

\$3,495.00

### Duration

5 days

### Methods of Delivery

- Instructor Led
- Distance Learning
- On-Site

**Module 5: Design for Wi-Fi Beyond the Enterprise Campus**

- Describing Common Business and Technical Drivers
- Describing Cisco Capabilities
- Describing RF Planning and Design

**Module 6: Conduct a Site Survey**

- Describing Access and Safety Concerns
- Describing the Initial Evaluation
- Describing Predictive Planning
- Describing the In-Depth Site Survey
- Describing the Post deployment Survey