



# WIDESIGN : Designing Cisco Wireless Enterprise Networks

Course ID #: 1575-989-ZZ-W

Hours: 35

## Course Content

### Course Description:

Designing Cisco Wireless Enterprise Networks (WIDESIGN) v 1.1 is a 5-day training program designed to teach how to design a Cisco wireless network from initial customer contact to post-deployment activities. In addition, you will learn to use the appropriate tools to assist in wireless design and management. This course is targeted toward wireless network engineers with at least three years of experience in the networking field.

The Cisco CCNP Wireless certification addresses the need for designing, implementing, and operating Cisco wireless networks and mobility infrastructures. CCNP Wireless certification emphasizes wireless networking principles and theory.

### At Course Completion:

Upon course completion, you will learn:

- Customer Wi-Fi design process
- Data coverage
- Voice and real-time applications
- Location and Cisco CMX
- Wi-Fi beyond the enterprise campus
- Conduct a site survey

### Prerequisites:

- At least three years of experience in the networking field
- Basic 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

### Target Student:

This course is intended for Wireless network engineers



# WIDESIGN : Designing Cisco Wireless Enterprise Networks

Course ID #: 1575-989-ZZ-W

Hours: 35

## Deliver Method:

This course is delivered through a mix of instructor-led training (ILT) and hands-on labs.

## Topics:

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

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

### Module 2: Design for Data Coverage

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

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

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

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

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

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

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

### Module 6: Conduct a Site Survey

- Access and Safety Concerns
- Initial Evaluation
- Predictive Planning
- In-Depth Site Survey
- Post-Deployment Survey