

# Designing Cisco Wireless Enterprise Networks v1.1 (WIDESIGN)

## Course Overview

This is a 5-day class

The student will learn how to design a Cisco wireless network from initial customer contact to post deployment activities. The student will use tools to assist in wireless design and management.

## Who Should Attend

This course is designed for individuals who are involved in the technical management of Cisco wireless platforms and solutions, which involves installing, configuring, operating and troubleshooting. In this course, the target audience will be referred to generically as “technicians”.

## Course Objectives

Upon completing this course, you will be able to meet these objectives: - Determine customer Wi-Fi design process - Design for data coverage - Design for voice and real-time applications - Design for location and Cisco CMX - Design for Wi-Fi beyond the enterprise campus - Describe how to conduct a site survey

## Course Outline

### 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

### 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

### 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

### 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



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## 5 DESIGN FOR WI-FI BEYOND THE ENTERPRISE CAMPUS

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

## 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