

Designing Cisco Wireless Enterprise Networks

Course Details

Course # WIDESIGN
Vendor Cisco Systems



Prerequisites

WIDESIGN is a Professional Level course. It is highly recommended to have experience working with 802.11 based enterprise wireless networks, and or have completed CCNA Wireless certification to maximize the benefits of this course.

Anyone may attend the course, however it's required to be a CCNA Wireless before earning CCNP Wireless certifications.

Course Description

Summary WIDESIGN – Designing Cisco Wireless Enterprise Networks is part of the new CCNP Wireless v3 from Cisco Systems. This course is a 5 day ILT class that 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.

Wireless Experts agree, the majority of issues reported in Enterprise Wireless Networks today can be associated to poor planning or design. **WIDESIGN – Designing Cisco Wireless Enterprise Networks** is a 5

day instructor led course designed to prepare students to plan, and design modern Enterprise Wireless Networks. Students will leave with the knowledge and confidence to tackle new Enterprise Wireless Design projects, and be prepared to take exam 300-360.

Students attending WIDESIGN will receive

5 days instruction by a Cisco Certified Systems Professional (CCSI)

Official Cisco Student Kit (Student Guide, LAB Guide)

Official LAB Access during the course

WiFi Training™ Difference

Expert / Awarded Cisco Instructors (CCIEW/CWNE/CCSI)

WiFi Training Goodies

20 hrs additional Rack Rental Time

After students have completed WIDESIGN, WIDEPLOY, WISECURE, WITSHOOT and passed associated exams, students will have met the requirements of becoming a CCNP Wireless.

Prerequisites

It is recommended, but not required, that students have the following knowledge and skills before attending this course:

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

Basic knowledge of:

- Cisco Prime Infrastructure
- Cisco Identity Services Engine
- MetaGeek Chanalyzer Software
- Voice Signaling Protocol

- Basic QoS
- Application Visibility and Control
- LAN switching

Course Content

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- 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

Course Outline

- Module 1: Determine Customer Wi-Fi Design Process
- Module 2: Design for Data Coverage
- Module 3: Design for Voice and Real-Time Applications
- Module 4: Design for Location and Cisco CMX
- Module 5: Design for Wi-Fi Beyond the Enterprise Campus
- Module 6: Conduct a Site Survey

Who Should Attend

- Channel Partners and Resellers

- Customers
- Employees

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Lessons Learned

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