

<b>COURSE</b>	<b>Cisco Wireless LAN Advanced Topics (CWLAT) v2.0</b>
<b>CODE</b>	<b>TRN_CWLAT</b>
<b>DURATION</b>	<b>4 days</b>

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## COURSE

The Cisco Wireless LAN Advanced Topics (CWLAT) is a technical training course targeted to engineers involved in designing and deploying advanced wireless LAN solutions, including voice over WLAN (VoWLAN). The goal of this course is to provide System Engineers (SE) and Field Engineers (FE) with a more in-depth understanding of the most innovative and comprehensive suite of WLAN solutions in the industry, spanning a wide range of customer sizes and needs.

## WHO SHOULD ATTEND

- The Cisco Wireless LAN Fundamentals Course is addressed to SEs and FEs (internal Cisco, Cisco Channel Partners and customers) working in the wireless field who possess wireless basics and seek to add more advanced concepts to their knowledge.
- Network Administrator, Network Engineers, Network Managers and technical sales personnel, who need to know how to sell, design, install and support wireless local area networking.

## COURSE OBJECTIVES

Upon finishing this course, you will be able to:

- Describe detailed technical features, functions and benefits of the WLAN controller-based architecture
- Install and setup Cisco WCS and provide the information needed to configure a WLAN using Cisco WCS
- Manage the WLAN controller-based network with the Cisco WCS

- Troubleshoot and maintain a controller-based WLAN network
- Apply advanced applications to controller-based WLAN networks.
- Administer security so that the controller-based WLAN network is safe from attack

## COURSE OUTLINE

### Cisco Unified Wireless Network Concepts

- Describing the Cisco Unified Wireless Network
- Describing Controller-based Architecture

### Implementing the WLAN with Cisco WCS

- Installing the Cisco Wireless Control System
- Configuring the Cisco Wireless Control System

### WLAN Management

- Managing the WLAN using the Cisco WLAN Controller
- Managing the Cisco Unified Wireless Network using Cisco WCS
- Managing the Cisco Unified Wireless Network using Controllers

### Wireless Network Troubleshooting

- Troubleshooting the Cisco WLAN Controller-Based Network
- Describing Best Practices for the Cisco Secure Service Client

### Advanced Applications

- Describing the VoWLAN Infrastructure
- Implement the VoWLAN Infrastructure
- Introducing the Cisco Wireless Location Appliance
- Deploying the Mesh Network

## Cisco WLAN Security Advanced Topics

- Describing WLAN Security Standards
- Securing the WLAN
- Configuring Cisco Secure ACS

### PREREQUISITES

- Basic Computer Literacy
- Knowledge of fundamental networking components and terminology
- Knowledge of the Open Systems Interconnection (OSI) reference model
- Knowledge of basic LAN components and functions