
Understanding Cisco Wireless Foundations (WLFNDU)

***WHERE GREAT TRAINING
HAPPENS EVERYDAY!***



Understanding Cisco Wireless Foundations (WLFNDU)

Course Duration

5 days

Course Price

\$4,295.00

43 CLCs

Methods of Delivery

In-Person ILT

Virtual ILT

Onsite ILT

About this Class

The Understanding Cisco Wireless Foundations (WLFNDU) course teaches you the knowledge and skills you need to configure, manage, and troubleshoot a Cisco wireless LAN (WLAN) network. Topics include understanding critical aspects of RF technology, industry standards for Wi-Fi and security, how to design, install, and configure a WLAN network of any size, and using Cisco DNA Center. This training also earns you 30 Continuing Education (CE) credits towards recertification.



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How you will benefit

This class will help you:

- Learn the skills, technologies, and best practices needed to manage a Cisco WLAN network
- Understand and implement a Cisco wireless network architecture
- Design and implement WLAN maintenance and troubleshooting solutions
- Earn 40 CE credits toward recertification

Why Attend with Current Technologies CLC

- Our Instructors are the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

Who Should Attend

The job roles best suited to the material in this course are:

- Network Engineer
- Systems Engineer
- Wireless Engineer
- Technical Solutions Architect
- Network Administrator
- Wireless Design Engineer
- Network Manager

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Objectives

After taking this course, you should be able to:

- Describe and implement foundational wireless theory
- Describe and implement foundational wireless math and antennas
- Describe and implement foundational wireless operation including Wi-Fi 6
- Describe security and client access in a wireless network
- Implement 802.1X and Extensible Authentication Protocol (EAP)
- Implement wireless guest access and configure wireless security
- Describe Cisco wireless architecture components and deployment options
- Describe Cisco wireless architecture and its deployment modes, the Control and Provisioning of Wireless Access Points (CAPWAP) protocol, and the Cisco WLC and AP line up
- Describe the wired support for implementing wireless networks
- Deploy Cisco centralized wireless networks using Cisco 9800 WLC
- Describe the centralized wireless access model and its configuration
- Describe maintenance and troubleshooting in the centralized WLAN model
- Describe the management and monitoring of Cisco Wireless Networks with Cisco DNA Center

Prerequisites

We recommend but do not require that you have the following knowledge and skills before taking this course

- General knowledge of networks
- General knowledge of wireless networks
- Routing and switching knowledge

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Course Outline

Module 1: RF and WLAN Theory

Module 2: WLAN Math and Antennas

Module 3: Wi-Fi Operations

Module 4: Basic WLAN Security

Module 5: Advanced WLAN Security

Module 6: Configuring WLAN Security

Module 7: Cisco Wireless Network Architecture

Module 8: Implementing Cisco Wireless Network

Module 9: Implementing Cisco Wireless Network Wired Support

Module 10: Deploying Cisco Centralized Wireless Networks

Module 11: Configuring Cisco Centralized Wireless Networks

Module 12: Maintaining and Troubleshooting Cisco Wireless Networks

Module 13: Managing and Monitoring Cisco Wireless Networks with Cisco DNA Center

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Lab Outline

- Lab 1: Practice RF Math
- Lab 2: Antenna Calculations
- Lab 3: Explore the Wi-Fi Environment
- Lab 4: Analyze Wireless Frames
- Lab 5: Configure Client Access
- Lab 6: Deploy Cisco 9800 WLC
- Lab 7: Configure Cisco 9800 WLC
- Lab 8: Perform Cisco 9800 WLC Maintenance