



# HEROTEC

NETWORK PROFESSIONAL TRAINING

## Implementing Cisco Wireless Network Fundamentals (WIFUND)

<b>Related Certificate</b>	<b>CCNA Wireless</b>
<b>Course ID</b>	<b>WIFUND</b>
<b>Related Exams</b>	<b>200-355</b>
<b>Audience</b>	<b>IT Professional</b>
<b>Hours</b>	<b>40</b>

## Course Content

- Implementing Cisco Wireless Network Fundamentals 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

## Course Objectives

- Understand the basic RF principles and characteristics
- Understand WLAN security methods and access with differing client devices
- Define the Cisco WLAN architecture and the underlying infrastructure used to support it
- Implement a Centralized wireless access network using AireOS or IOS-XE wireless LAN controllers
- Implement a Converged wireless access network using IOS-XE converged access switches and wireless LAN controllers
- Implement small and remote access wireless networks using FlexConnect, Autonomous or Cloud architectures
- Perform basic WLAN maintenance and troubleshooting -describe the requirements for a WLAN design

## Course Outline

- Module 1: Wireless Fundamentals
- Module 2: Security and Client Access
- Module 3: Define the Cisco Wireless Network Architecture
- Module 4: Implement Centralized Wireless Access
- Module 5: Implement Converged Wireless Access
- Module 6: Implement Small and Remote Wireless Access
- Module 7: WLAN Maintenance and Troubleshooting
- Module 8: WLAN Design
- Discovery 1: Practice RF Math
- Discovery 2: Calculate EIRP and Choose the Correct Antenna
- Discovery 3: Explore the RF
- Discovery 4: Analyze Wireless Frames
- Discovery 5: Review Centralized Authentication
- Discovery 6: Initialize a Centralized WLAN Deployment
- Hardware Lab 1: Configure Windows 7 Client Access
- Hardware Lab 2: Configuring the Wired Infrastructure
- Hardware Lab 3: Configuring the Centralized WLAN Deployment
- Hardware Lab 4: Configuring IPv6 Operation in a Centralized WLAN Deployment
- Hardware Lab 5: Configuring Security in a Centralized WLAN Deployment
- Hardware Lab 6: Configuring Guest Access Using the Anchor WLC
- Hardware Lab 7: Deploying a Converged Access WLAN

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