

# Understanding Cisco Wireless Foundations v2.0

The Understanding Cisco Wireless Foundations (WLFNDU) training 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.



## Training recipients

### Who Should Enroll

- Network engineer
- Systems engineer
- Wireless engineer
- Technical solutions architect
- Network administrator
- Wireless design engineer
- Network manager



## Benefits

This training 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



## Training program

### Course Outline

1. Module 1: RF and WLAN Theory
2. Module 2: WLAN Math and Antennas
3. Module 3: Wi-Fi Operations
4. Module 4: Basic WLAN Security
5. Module 5: Advanced WLAN Security
6. Module 6: Configuring WLAN Security
7. Module 7: Cisco Wireless Network Architecture
8. Module 8: Implementing Cisco Wireless Network
9. Module 9: Implementing Cisco Wireless Network Wired Support
10. Module 10: Deploying Cisco Centralized Wireless Networks
11. Module 11: Configuring Cisco Centralized Wireless Networks
12. Module 12: Maintaining and Troubleshooting Cisco Wireless Networks
13. Module 13: Managing and Monitoring Cisco Wireless Networks with Cisco DNA Center

### Lab Outline

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



## Expected preparation of the participant

Before taking this offering, you should have:

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



## Training Includes

- 5 days with instructor training

- Trainer's supervision
- Contact with community
- Coursebook
- Lab environment

#### Training method

- lecture
- workshops



#### Duration

5 days / 35 hours

#### Language

- Training: English
- Materials: English