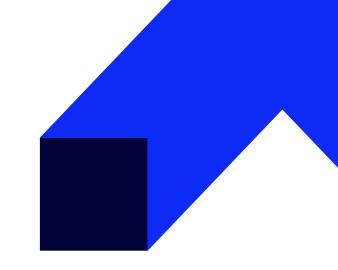


training code: WLFNDU / ENG DL 5d / EN

# 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