

# **Understanding Cisco Wireless Foundations (WLFNDU) v1.0 - On Demand**

**Modality: On Demand**

**Duration: 40 Hours**

**CLC: 8 Units**

## **Course Information**

### **About this course:**

This course will help you learn to implement, operate, position, plan, and manage a Cisco wireless LAN (WLAN) network.

The course will teach you foundational skills around Cisco LAN (WLAN) and you will be able to design, install, configure, monitor, and conduct basic troubleshooting tasks on a Cisco WLAN network of any size.

This course will not exactly prepare you for a certification exam, but it will provide the knowledge that can help you prepare for these professional-level enterprise wireless courses and exams:

- Implementing Cisco Enterprise Wireless Networks (ENWLSI)
- Designing Cisco Enterprise Wireless Networks (ENWLSD)

### **Course Objective:**

After taking this course, you should be able to:

- Describe and implement a Cisco wireless network architecture
- Configure Cisco centralized wireless networks
- Describe and implement WLAN maintenance and troubleshooting
- Describe and implement foundational wireless theory
- Describe and implement basic wireless security and client access

### **Audience:**

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

### **Prerequisite:**

Having skills around the following is recommended before taking this course:

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

### **Course Outline:**

- **Describing and Implementing Foundational Wireless Theory**
- **Describing and Implementing Foundational Wireless Math and Antennas**
- **Describing and Implementing Foundational Wireless Operation**
- **Describing and Implementing Basic Wireless Security**
- **Describing and Implementing 802.1X and Extensible Authentication Protocol (EAP)**
- **Implementing Wireless Guest Access and Configuring Wireless Security**
- **Describing and Implementing Cisco Wireless Network Architecture**
- **Describing and Implementing Cisco Wireless Network**
- **Describing and Implementing Cisco Wireless Network Wired Support**
- **Configuring Cisco Centralized Wireless Networks**
- **Describing and Implementing WLAN Maintenance and Troubleshooting**