

# CISC-25 - WLFNDU - UNDERSTANDING CISCO WIRELESS FOUNDATIONS

## V2.0

Categoria: **Cisco**

### INFORMAZIONI SUL CORSO



**Durata:**  
5 Giorni



**Categoria:**  
Cisco



**Qualifica Istruttore:**  
Cisco Certified  
Instructor



**Dedicato a:**  
Professionista IT



**Produttore:**  
Cisco

### OBIETTIVI

After completing 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

### PREREQUISITI

Attendees should meet the following prerequisites:

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

Recommended prerequisites:

- CCNA - Implementing and Administering Cisco Solutions

### CONTENUTI

**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**

## **Labs**

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

## **INFO**

**Materiale didattico:** Materiale didattico ufficiale Cisco in formato digitale

**Costo materiale didattico:** incluso nel prezzo del corso a Calendario

**Natura del corso:** Operativo (previsti lab su PC)