

Understanding Cisco Wireless Foundations

Duration: 5 Days Course Code: WLFNDU Version: 2.0

Overview:

The Understanding Cisco Wireless Foundations (WLFNDU) course provides the knowledge and skills needed 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, as well as using Cisco DNA Center.

This course is worth 30 Continuing Education (CE) credits towards recertification

Target Audience:

Anyone involved in the configuration and management of a Cisco Wireless LAN network.

Objectives:

- **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

Prerequisites:

Attendees should meet the following prerequisites:

- General knowledge of networks
- General knowledge of wireless networks
- Routing and switching knowledge
- CCNA - Implementing and Administering Cisco Solutions

Testing and Certification

Recommended as preparation for the following exams:

- There is no exam currently aligned to this course.

Follow-on-Courses:

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

Content:

Module 1: RF and WLAN Theory	Module 6: Configuring WLAN Security	Module 11: Configuring Cisco Centralized Wireless Networks
Module 2: WLAN Math and Antennas	Module 7: Cisco Wireless Network Architecture	Module 12: Maintaining and Troubleshooting Cisco Wireless Networks
Module 3: Wi-Fi Operations	Module 8: Implementing Cisco Wireless Network	Module 13: Managing and Monitoring Cisco Wireless Networks with Cisco DNA Center
Module 4: Basic WLAN Security	Module 9: Implementing Cisco Wireless Network Wired Support	Labs
Module 5: Advanced WLAN Security	Module 10: Deploying Cisco Centralized Wireless Networks	<ul style="list-style-type: none">■ 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

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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