Understanding Cisco Wireless Foundations (WLFNDU)

Category: Networking & Security | **Vendor:** Cisco

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

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.

How You'll Benefit

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

About This Course

- 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

Our lab utilizes physical access points (9120, 3802) as well as physical wireless clients. This allows further exploration of the dashboard.

Who Should Attend

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

Prerequisites & Entry Requirements

General Prerequisites:

Before taking this offering, you should have:

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

We recommend prior attendance of the courses

- Wireless Fundamentals 1 (WFUN1) and Wireless Fundamentals 2 (WFUN2) or
- Certified Wireless Network Administrator (CWNA)

Learning Outcomes

Upon successful completion of this course, participants will 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

Detailed Course Outline

RF and WLAN Theory, RF and WLAN Theory, RF and WLAN Theory, RF and WLAN Theory, WLAN Math and Antennas, WLAN Math and Antennas, WLAN Math and Antennas, WLAN Math and Antennas, Wi-Fi Operations, Wi-Fi Operations, Wi-Fi Operations, Wi-Fi Operations, Basic WLAN Security, Basic WLAN Security, Basic WLAN Security, Basic WLAN Security, Advanced WLAN Security, Advanced WLAN Security, Advanced WLAN Security, Advanced WLAN Security, Configuring WLAN Security, Configuring WLAN Security, Configuring WLAN Security, Configuring WLAN Security, Cisco Wireless Network Architecture, Cisco Wireless Network Architecture, Cisco Wireless Network Architecture, Cisco Wireless Network Architecture, Implementing Cisco Wireless Network, Implementing Cisco Wireless Network, Implementing Cisco Wireless Network, Implementing Cisco Wireless Network, Implementing Cisco Wireless Network Wired Support, Implementing Cisco Wireless Network Wired Support, Implementing Cisco Wireless Network Wired Support, Implementing Cisco Wireless Network Wired Support, Deploying Cisco Centralized Wireless Networks, Deploying Cisco Centralized Wireless

Networks, Deploying Cisco Centralized Wireless Networks, Deploying Cisco Centralized Wireless Networks, Configuring Cisco Centralized Wireless Networks, Configuring Cisco Centralized Wireless Networks, Configuring Cisco Centralized Wireless Networks, Configuring Cisco Centralized Wireless Networks, Maintaining and Troubleshooting Cisco Wireless Networks, Maintaining and Troubleshooting Cisco Wireless Networks, Maintaining and Troubleshooting Cisco Wireless Networks, Maintaining and Troubleshooting Cisco Wireless Networks, Managing and Monitoring Cisco Wireless Networks with Cisco DNA Cente, Managing and Monitoring Cisco Wireless Networks with Cisco DNA Cente, Managing and Monitoring Cisco Wireless Networks with Cisco DNA Cente, Managing and Monitoring Cisco Wireless Networks with Cisco DNA Cente, Lab Outline, Lab Outline, Lab Outline, Lab Outline, Wireless Fundamental, Wireless Fundamental, Wireless Fundamental, Wireless Fundamental, WLAN Security, WLAN Security, WLAN Security, WLAN Security, WLAN Architecture, WLAN Architecture, WLAN Architecture, WLAN Architecture, WLAN Implementation, WLAN Implementation, WLAN Implementation, WLAN Implementation, Lab Outline, Lab Outline, Lab Outline, Lab Outline

Skills You Will Learn:

- Describe and implement foundational wireless theory
- Describe and implement foundational wireless math and antennas
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Frequently Asked Questions

Q: What delivery options are available for Understanding Cisco Wireless Foundations (WLFNDU)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 5-day Understanding Cisco Wireless Foundations (WLFNDU) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Understanding Cisco Wireless Foundations (WLFNDU) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Understanding Cisco Wireless Foundations (WLFNDU)?

Yes, we provide corporate training, dedicated training, and closed classes for Understanding Cisco Wireless Foundations (WLFNDU). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Understanding Cisco Wireless Foundations, Cisco Wireless Networking / Mobility, WLFNDU

Q: Why choose Nexus Human for Understanding Cisco Wireless Foundations (WLFNDU)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Understanding Cisco Wireless Foundations (WLFNDU) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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