

WLFNDU - UNDERSTANDING CISCO WIRELESS FOUNDATIONS V2.0

Course Code: 100618

Learn foundational knowledge that will prepare you for the professional-level enterprise wireless courses and certification exams.

The *WLFNDU - Understanding Cisco Wireless Foundations v2.0* course gives you the knowledge and skills you need to position, plan, implement, operate, and manage a Cisco wireless LAN (WLAN) network. This course teaches you how to design, install, configure, monitor, and conduct basic troubleshooting tasks on a Cisco WLAN network of any size. It provides foundational knowledge that will prepare you the professional-level enterprise wireless certification exams.

This course is eligible for 30 Continuing Education Credits (ILT & ELT Modality).

What You'll Learn

After taking this course, you should be able to:

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

This course 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

Who Needs to Attend

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

Prerequisites

We recommend but do not require that you have the following knowledge and skills

before taking this course

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

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CLASSROOM LIVE

\$3,995 USD

5 Day

Classroom Live 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

Classroom Live Labs

- Explore the Physics of Wi-Fi
- Explore the Wi-Fi Environment
- Analyze Wireless Frames
- Configure Client Access
- Configure the Wired Infrastructure
- Configure a Centralized Cisco Wireless LAN Controller (WLC) Deployment
- Configure a Centralized WLAN Deployment
- Configure an IPv6 Operation in a Centralized WLAN Deployment
- Optimize RF Conditions and Performance for Clients
- Perform Centralized Controller Maintenance
- Use Troubleshooting Tools

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VIRTUAL CLASSROOM LIVE

\$3,995 USD

5 Day

Virtual Classroom Live 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

Virtual Classroom Live Labs

- Explore the Physics of Wi-Fi
- Explore the Wi-Fi Environment
- Analyze Wireless Frames
- Configure Client Access
- Configure the Wired Infrastructure
- Configure a Centralized Cisco Wireless LAN Controller (WLC) Deployment
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- Configure an IPv6 Operation in a Centralized WLAN Deployment
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- Perform Centralized Controller Maintenance
- Use Troubleshooting Tools

Jun 22 - 26, 2026 | 9:00 AM - 5:00 PM EDT

Sep 14 - 18, 2026 | 9:00 AM - 5:00 PM EDT

Nov 30 - Dec 4, 2026 | 9:00 AM - 5:00 PM EST

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ON-DEMAND

\$750 USD

On-Demand 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

On-Demand Labs

- Explore the Physics of Wi-Fi
- Explore the Wi-Fi Environment
- Analyze Wireless Frames
- Configure Client Access
- Configure the Wired Infrastructure
- Configure a Centralized Cisco Wireless LAN Controller (WLC) Deployment
- Configure a Centralized WLAN Deployment
- Configure an IPv6 Operation in a Centralized WLAN Deployment
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- Perform Centralized Controller Maintenance
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PRIVATE GROUP TRAINING

5 Day

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