

Course : Understanding Cisco Wireless Foundations (WLFNDU) v2.0

Official course: Understanding the basics of Cisco wireless networking

Practical course - 5d - 35h00 - Ref. IUB

Price : 4250 € E.T.

With this course, you'll learn how to configure, manage and troubleshoot a Cisco wireless LAN (WLAN), master the basics of radio technologies (RF), Wi-Fi and security standards, design, install and size a WLAN of any size, and use Cisco DNA Center.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understand and apply the basics of wireless network theory
- ✓ Mastering mathematics and antennas for an optimal wireless environment
- ✓ Mettre en œuvre le fonctionnement fondamental du sans-fil, incluant le Wi-Fi 6
- ✓ Manage security and client access in a wireless network
- ✓ Implement 802.1X and the EAP protocol for secure authentication
- ✓ Configuring guest access and security in Wi-Fi networks
- ✓ Cisco wireless architecture and deployment options
- ✓ Describe CAPWAP, controllers, access points and Cisco deployment modes
- ✓ Wireline support for Cisco wireless networks
- ✓ Deploy, maintain and monitor Cisco wireless networks via Cisco DNA Center

Intended audience

Network engineers, systems engineers, wireless engineers, technical solution architects, network administrators, wireless network designers, network managers.

Prerequisites

General knowledge of networks, wireless networks, routing and switching required before taking this course.

PARTICIPANTS

Network engineers, systems engineers, wireless engineers, technical solution architects, network administrators, wireless network designers, network managers.

PREREQUISITES

General knowledge of networks, wireless networks, routing and switching required before taking this course.

TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

Certification

This course does not lead directly to a certification exam, but it covers the basic knowledge that can help you prepare for professional-level enterprise wireless courses and exams: ENWLSD (Designing Cisco Enterprise Wireless Networks) and ENWLSI (Implementing Cisco Enterprise Wireless Networks).

Practical details

Teaching methods

Training in French (or English on request). Official course material in English.

Course schedule

1 Official program

- Theory of radio waves (RF) and WLAN networks.
- WLAN mathematics and antennas.
- Wi-Fi operation.
- Basic WLAN security.
- Advanced WLAN security.
- WLAN security configuration.
- Cisco wireless network architecture.
- Implementing Cisco wireless networks.
- Wired support for Cisco wireless networks.
- Deploy Cisco centralized wireless networks.
- Configuring Cisco centralized wireless networks.
- Maintenance and troubleshooting of Cisco wireless networks.
- Manage and monitor Cisco wireless networks with Cisco DNA Center.

2 Official practical work

- Practical RF calculations.
- Antenna calculations.
- Exploring the Wi-Fi environment.
- Wireless frame analysis.
- Client access configuration.
- Deploying the Cisco 9800 WLC controller.
- Configuring the Cisco 9800 WLC controller.
- Maintenance of the Cisco 9800 WLC controller.

Dates and locations

REMOTE CLASS

2026: 29 June, 2 Nov.

TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.