Understanding Cisco Wireless Foundations (WLFNDU)

ID WLFNDU **Price** CHF 3,760.—(excl. VAT) **Duration** 5 days

Who should attend

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

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 (CWNA)

Course Objectives

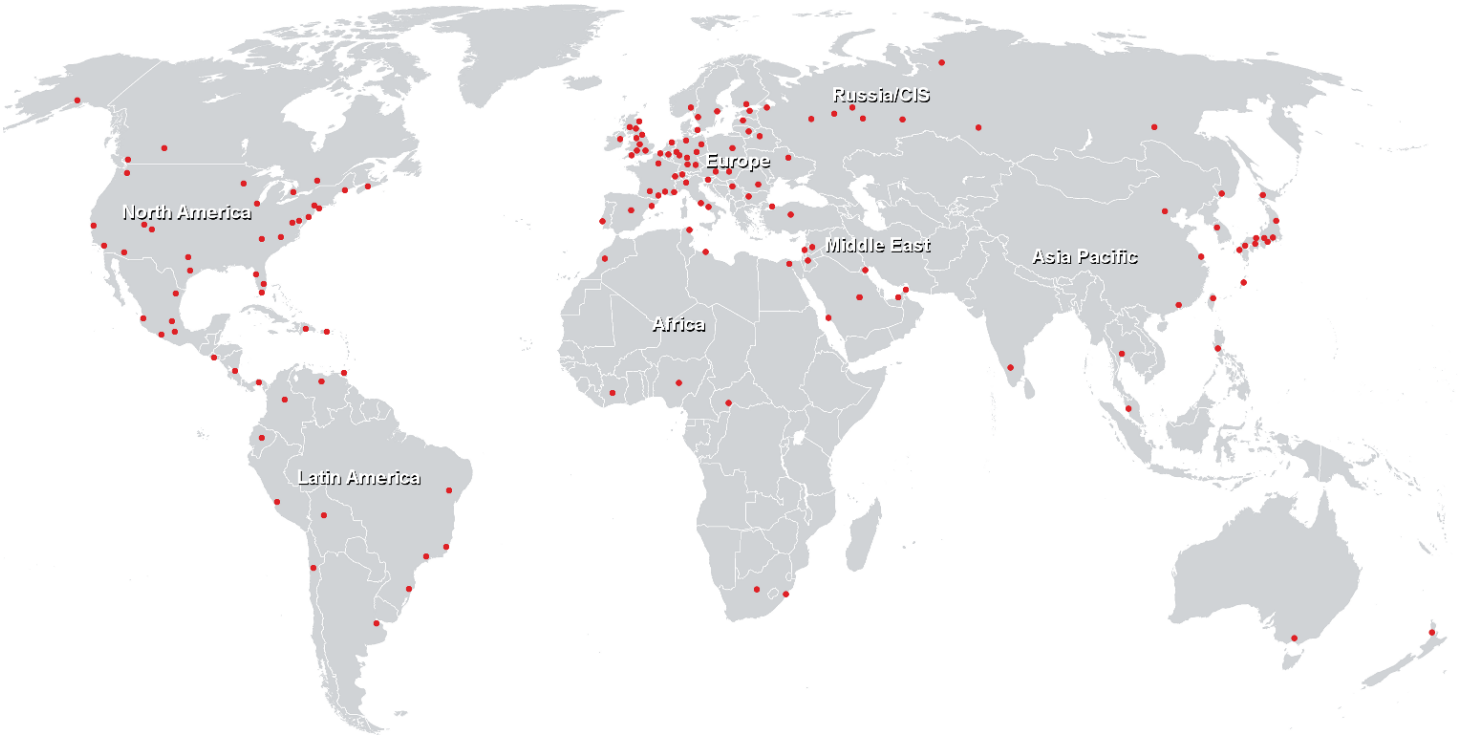
- Describe and implement foundational wireless theory
- Describe and implement foundational wireless math and antennas
- Describe and implement foundational wireless operation including Wi-Fi 6
- Describe security and client access in a wireless network
- Implement 802.1X and Extensible Authentication 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

Course Content

- 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.

Training Centres worldwide





Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

info@flane.ch, https://www.flane.ch