

Course Training

Cisco Certificated Network Associated Wireless – CCNA Wireless (200-355 WIFUND)

Course Content

Implementing and Administering Cisco Solutions (CCNA) training teaches you how to install, operate, configure, and verify a basic IPv4 and IPv6 network, configure network components, such as switches, routers, and wireless local area network (LAN) controllers (WLANs), manage network devices, and identify basic security threats. This training also covers the introduction of AI and machine learning (ML) in network operations.

Course Objectives

Upon completion of the course, students will have the knowledge and skills to:

- Understand the basic RF principles and characteristics
- Understand WLAN security methods and access with differing client devices
- Define the Cisco WLAN architecture and the underlying infrastructure used to support it
- Implement a Centralized wireless access network using AireOS or IOS-XE wireless LAN controllers
- Implement a Converged wireless access network using IOS-XE converged access switches and wireless LAN controllers
- Implement small and remote access wireless networks using FlexConnect, Autonomous or Cloud architectures
- Perform basic WLAN maintenance and troubleshooting -describe the requirements for a WLAN design

Course Prerequisite

It is recommended, but not required, that students have the following knowledge and skills before attending this course:

- Interconnecting Cisco Networking Devices Parts 1 & 2 (ICND1 & ICND2) or
- Cisco CCENT certification

Who should attend

- University students
- Helpdesk operators
- Candidates entering IT job market
- First-level network support staff
- System engineers

Course Outline

- Wireless Network Basics

- Wireless Network Technologies
- Wireless Network Security
- Wireless Network Design
- Access Point Configuration
- Wireless LAN Controller Configuration
- Wireless Networking
- 802.1x EAP Authentication
- Authentication with AAA Server
- Radius Server Authentication