

# **Cisco Certified Network Professional (CCNP) Wireless Certification Boot Camp (CS-CCNP-Wireless)**

**Modality: Virtual Classroom**

**Duration: 14 Days**

**CLC: 100 Units**

## **About this course:**

The certification of CCNA/CCNP Wireless highlights the requirement for planning, actualizing, and securing the Wireless networks of Cisco for ideal execution. The wireless certification of CCNA/CCNP emphasizes the theory and principles of networking. It also perceives the ability and specialized discernment of wireless experts who can translate and assess the requirements of the network business into specialized particulars that in turn, bring about fruitful business results.

**This boot camp incorporates test vouchers and sets you up for the accompanying exams:**

- 300-375 WISECURE
- 300-370 WITSHOOT
- 300-365 WIDEPLOY
- 300-360 WIDESIGN

The normal pay for Wireless Network Administrator is \$61,474 every year.

**This bootcamp incorporates the accompanying courses:**

- CS-WISECURE -- Securing Cisco Wireless Enterprise Networks
- CS-WIDESIGN -- Designing Cisco Wireless Enterprise Networks
- CS-WIDEPLOY -- Deploying Cisco Wireless Enterprise Networks
- CS-WITSHOOT -- Troubleshooting Cisco Wireless Enterprise Networks

## **Course Objectives:**

- Explain and deploy the infrastructure of WLAN for mobility
- Implement and design wireless solutions for high-density
- Execute base and context mobile experience Cisco MSE design
- Implement and design the architectures of Cisco FlexConnect®
- Define and execute quality of service (QoS) for wireless applications
- Execute controller and access point high availability
- Define and execute wireless bridging (mesh) technologies
- Explain and apply multicast over wireless
- Manage the services of wireless with Cisco Prime Infrastructure
- Design and identify the strategies for security in a Wi-Fi design
- Location and Cisco CMX
- The process of Customer Wi-Fi design

- Voice and real-time applications
- Data coverage
- Wi-Fi beyond the enterprise campus
- Conduct a site survey
- Secure a Wi-Fi infrastructure
- Execute centralized wireless access networks utilizing IOS XE or AireOS WLAN controllers
- Design and deploy the capabilities of advanced monitoring
- Deploy and design Cisco management and ISE platforms
- Plan and deploy Client Security and End Point
- Methods of WLAN security and access with differing client devices
- Plan and deploy Wi-Fi access control
- Basic RF characteristics and principles
- The architecture of Cisco WLAN and the underlying infrastructure utilized to care it.
- Implement remote and small wireless networks using autonomous, FlexConnect, and cloud architectures
- Apply converged access wireless access network utilizing WLAN controllers and IOS-XE converged access switches.
- Perform basic WLAN troubleshooting and maintenance.
- Needs of a WLAN design

## **Audience:**

- Network Administrators
- Network Engineers
- System Engineers
- Network Managers

## **Prerequisites:**

- Cisco Identity Services Engine
- Cisco Prime Infrastructure
- Voice Signaling Protocol
- Metageek Channelizer Software
- Application Visibility and Control
- Basic QoS
- LAN switching
- Cisco Prime Infrastructure
- ICND1 or CCENT certification, plus ICND2
- Foundational information of 802.11 wireless network technologies
- Cisco Identity Services Engine
- Metageek Channelizer Software
- Part 1 of ICND1 v2.0 - Interconnecting Cisco Networking Devices
- Part 2 of ICND2 v2.0 - Interconnecting Cisco Networking Devices
- Any legitimate Cisco CCNA Routing and Switching, CCENT, or any certification of CCIE can go about as an essential.

## **Course Outline:**

## **CS-WIDESIGN - Designing Cisco Wireless Enterprise Networks:**

- **Module 1: Determine Customer Wi-Fi Design Process**
- **Module 2: Design for Data Coverage**
- **Module 3: Design for Voice and Real-Time Applications**
- **Module 4: Design for Location and Cisco CMX**
- **Module 5: Design for Wi-Fi Beyond the Enterprise Campus**
- **Module 6: Conduct a Site Survey**

## **CS-WIDEPLOY - Deploying Cisco Wireless Enterprise Networks:**

- **Module 1: Deploy a Wi-Fi Infrastructure**
- **Module 2: Configure Advanced Capabilities in Data Designs**
- **Module 3: Configure Advanced Capabilities in Voice and Real-Time Application Designs**
- **Module 4: Configure Advanced Capabilities in Location Designs**
- **Module 5: Configure Advanced Capabilities in Outdoor and High-Density Designs**

## **CS-WITSHOOT - Troubleshooting Cisco Wireless Enterprise Networks:**

- **Module 1: Identify Common Troubleshooting Approaches**
- **Module 2: Identify Core Wireless Infrastructure Issues**
- **Module 3: Identify Wireless Infrastructure Issues**
- **Module 4: Identify Wireless Security Issues**

## **CS-WISECURE - Securing Cisco Wireless Enterprise Networks:**

- **Module 1: Define Security Approaches in a Wi-Fi Design**
- **Module 2: Design and Deploy End Point and Client Security**
- **Module 3: Design and Deploy Cisco ISE and Management Platforms**
- **Module 4: Secure Wi-Fi Infrastructure**
- **Module 5: Design and Deploy Wi-Fi Access Control**
- **Module 6: Design and Deploy Monitoring Capabilities**