

20 Days

## Cisco CCNP Wireless

Cisco CCNP Wireless course focuses on the designing, implementing and securing Wireless Networks for the efficient performance of the same across the business environment. The course lays important emphasis on the principles and theories of the wireless networks, that set the foundations of the building and maintaining the wireless network infrastructure.

The Certification is achieved through the following exams & training:

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

## Course Details

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### Course Outline

#### Designing Cisco Wireless Enterprise Networks (WIDESIGN)

- 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

#### Deploying Cisco Wireless Enterprise Networks (WIDEPLOY)

- 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

## **Troubleshooting Cisco Wireless Enterprise Networks (WITSHOOT)**

- 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

## **Securing Cisco Wireless Enterprise Networks (WISECURE)**

- 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
- Discovery 1: Overview of Cisco ISE
- Discovery 2: Implementing SNMP v3
- Discovery 3: Configure and Verify Cisco MFP
- Discovery 4: Rogue AP Monitoring and Rules
- Discovery 5: Live Logs and Client 360° View
- Discovery 6: Security Report Operations
- Discovery 7: Use System Security Verification Tools
- Guided Lab 1: Configure WPA2 Access
- Guided Lab 2: Configure 802.1X Access
- Guided Lab 3: Configure RADIUS Integration
- Guided Lab 4: Configure a Basic Access Policy
- Guided Lab 5: Configure a Contractor2 Authentication Policy
- Guided Lab 6: Configure Hotspot Guest Access
- Guided Lab 7: CWA and Self-Registered Guest Operations
- Guided Lab 8: Configure Secure Administrative Access

## **Who Should Attend**

The CCNP Wireless training course is ideal for those working with the profiles of:

- Customers
- Employees
- Channel Partners and Resellers

## Pre Requisite

Valid Cisco CCNA Wireless or any Cisco CCIE certification can act as a prerequisite

## Exams

642-732 CUWSS Conducting Cisco Unified Wireless Site Survey (CUWSS) 642-742 IUWVN Implementing Cisco []

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