

HW-HCIPW



HUAWEI CERTIFIED ICT PROFESSIONAL - WLAN

DURATION	LEVEL	TECHNOLOGY	VERTICAL	DELIVERY METHOD	TRAINING CREDITS
10 Days	Professional	WLAN	ICT Infrastructure	Classroom	NA

INTRODUCTION

This ten day course covers Huawei WLAN products and technologies, and the ability to use WLAN product to plan, design, deploy and optimize WLAN of large and medium-sized enterprises.

AUDIENCE PROFILE

ICT professionals or students interested in wireless local area network (WLAN) technologies

PREREQUISITES

It is recommended that you learn HCIA-WLAN in advance

COURSE OBJECTIVES

On completion of this course, participants should be able to:

- Demonstrate the basic understanding of small and medium-sized WLANs and general WLAN technologies
- Become familiar with typical networking applications and features of large-sized WLANs.
- Understand the CAPWAP tunnel establishment process.
- Master the configuration methods of large-sized WLANs.
- Understand the maintenance methods of basic WLAN services.
- Master WLAN radio frequency management.
- Become familiar with the WIDS/WIPS technology.
- Master the access control technology of Agile Controller.
- Master WLAN inter-AC roaming and intelligent roaming technologies.
- Plan and configure an hot standby (HSB) WLAN network.
- Describe outdoor WLAN antennas.Master the WDS and MESH networking.
- Describe methods of WLAN planning and optimization.
- Understand customers' requirements on WLAN planning.
- Understand WLAN network specifications.
- Perform WLAN project planning.
- Use WLAN planning and site survey tools.
- Describe the precautions for WLAN planning and site survey in different application scenarios.
- Plan WLAN architectures in various scenarios.
- Design an indoor settled WLAN.
- Use the WLAN Planner to perform outdoor network planning.
- Master planning methods of small- and medium-sized enterprise WLANs.
- Plan WLAN architectures in various scenarios.Design an indoor settled WLAN.
- Implement the designs using Huawei wireless controllers and AP devices.

COURSE CONTENT

Module 1: HCIP-WLAN-CEWA Constructing Enterprise WLAN Architecture

- WLAN WIDS
Introduction(Optional)
- Connecting Agile Controller
with Servers
- Mesh Principle and
Configuration
- Large-sized WLANs
Introduction
- WLAN Radio Resource
Management
- WLAN Roaming-Inter AC
Roaming
- WLAN Reliability
Introduction—Dual-Link
Backup
- Deploy Huawei Outdoor AP
- Huawei Outdoor AP and
Antenna(Optional)
- Deploy WLAN Secure
Connectivity Services

- WLAN Reliability
Introduction—Hot-Standby
Backup
- WLAN Roaming- Smart
Roaming

Module 2: HCIP-WLAN-POEW Planning and Optimizing Enterprise WLAN

- WLAN Optimization Overview
- WLAN Pre-sales Network
Planning
- WLAN WDS & Mesh Planning
- Site Survey
- Brief WLAN Planning
Scenario
- Introduction to WLAN Tester
- Clarifying Customer
Requirements
- PoE Planning
- WLAN Campus Network
Solution
- WLAN HA Planning
- WLAN Coverage Optimization

- WLAN Planning and
Optimization Overview
- WLAN Network Planning in
Typical Scenarios
- Standards
- WLAN Overview
- WLAN Outdoor Coverage
- WLAN Roaming Planning
- WLAN Data Planning
- WLAN Interference
Optimization
- WLAN Design for Small- and
Medium-scale Enterprises
- WLAN Architecture Design
- Indoor Distributed WLAN
Planning
- Huawei WLAN High-density
Venue Solution Introduction
- WLAN Network Design
Overview
- WLAN HLD at the Early Stage
- Indoor Settled WLAN Design
Guide

ASSOCIATED CERTIFICATIONS & EXAM

This course will prepare delegates to take the HCIP Wireless version 1.0 Certification Exam # H12-323.