Certified Wireless Network Administrator

Category: Infrastructure & IT Operations | **Vendor:** CWNP

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Certified Wireless Network Administrator (CWNA)
Related Exam:	CWNA-109

Course Overview

The Certified Wireless Network Administrator (CWNA) course provides the networking professional a complete foundation of knowledge for entering into or advancing in the wireless networking industry. From basic RF theory to 802.11 frame exchange processes, this course delivers hands-on training that will benefit the novice as well as the experienced network professional.
This course covers all that is required to prepare for the CWNA Certification:

It also ensures that students leave with real hands on skills. Hands-on exercises include the following:

- Spectrum Capture and Analysis
- Infrastructure Mode Throughput Analysis
- Using Laptop Analyzers
- Site Survey
- Basic WLAN Security
- Wireless Intrusion Prevention Systems
- Troubleshooting

About This Course

The Certified Wireless Network Administrator (CWNA) course provides the networking professional a complete foundation of knowledge for entering into or advancing in the wireless networking industry. From basic RF theory to 802.11 frame exchange processes, this course delivers hands-on training that will benefit the novice as well as the experienced network professional.
This course covers all that is required to prepare for the CWNA Certification:

It also ensures that students leave with real hands on skills. Hands-on exercises include the following:

- Spectrum Capture and Analysis
- Infrastructure Mode Throughput Analysis
- Using Laptop Analyzers
- Site Survey
- Basic WLAN Security
- Wireless Intrusion Prevention Systems
- Troubleshooting

Who Should Attend

This course is intended for network and system administrators, consultants and engineers that need to support Wireless LAN deployments.

Prerequisites & Entry Requirements

General Prerequisites:

Students should have basic networking knowledge, including understanding of the OSI Reference model.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Upon completing this course, the learner will be able to meet these overall objectives:

- Introduction to 802.11 WLANs
- Radio Frequency Fundamentals
- Understand international, regional, and local RF spectrum management organizations
- Basic WLAN Analysis
- Coordinating 802.11 Frame Transmissions
- RF Math and System Operating Margin
- 802.11 Service Sets
- Challenges addressed by 802.11n
- Wireless LAN Operation
- WLAN Security
- Site Surveying
- Antennas
- Troubleshooting

Detailed Course Outline

- WLAN and Networking Industry
- RF Characteristics and Behaviour
- RF Mathematics and Measurements
- RF Antennas and Hardware
- 802.11 PHYs and Network Types
- 802.11 Network Devices
- 802.11 MAC Operations
- 802.11 Channel Access Methods
- WLAN Network Architectures
- WLAN Requirements and Solutions

- Security Solutions for WLANs

- Site Surveys

- WLAN Troubleshooting

Hands-on Lab Exercises

- Becoming Familiar with Antenna

- Becoming Familiar with Power Conversions

- Configuring Channel and Power Settings

- Channel and Power Settings on Meraki Dashboard

- Power Budget

- Verifying Throughput Speeds

- Verifying Throughput Speeds with Channel Bonding

- Monitoring Management Fames

- Enable Metageek insider

- Enable Metageek Chanalyzer

- Perform a Predictive WLAN Design

- Basic WiPS

- 802.1x Authentication

- Splash Page Authentication

- Troubleshooting PSK Authentication

□□ Certification Path

Certified Wireless Network Administrator (CWNA)

Exam: CWNA-109

Skills You Will Learn:

Upon completing this course, the learner will be able to meet these overall objectives:

- Introduction to 802.11 WLANs
- Radio Frequency Fundamentals
- Understand international, regional, and local RF spectrum management organizations
- Basic WLAN Analysis
- Coordinating 802.11 Frame Transmissions
- RF Math and System Operating Margin
- 802.11 Service Sets
- Challenges addressed by 802.11n
- Wireless LAN Operation
- WLAN Security
- Site Surveying
- Antennas
- Troubleshooting

Frequently Asked Questions

Q: What delivery options are available for Certified Wireless Network Administrator?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The Certified Wireless Network Administrator course helps prepare you for the Certified Wireless Network Administrator (CWNA) certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the CWNA-109 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 4-day Certified Wireless Network Administrator course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Certified Wireless Network Administrator training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Certified Wireless Network Administrator?

Yes, we provide corporate training, dedicated training, and closed classes for Certified Wireless Network Administrator. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Certified Wireless Network Administrator, Administrator Level, CWNA

Q: Why choose Nexus Human for Certified Wireless Network Administrator?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Certified Wireless Network Administrator training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

© 2026 Nexus Human. All rights reserved. This brochure was generated on 13/11/2026.