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Learning Style: On Demand

Technology:

Difficulty: Intermediate

Course Duration: 11 Hours

Certified Wireless Network Administrator (CWNA)



About this course:

This certification is popular in the USA and becoming more popular in other countries as well. A network administrator is the person designated in an organization whose responsibility includes maintaining computer infrastructures with emphasis on networking. This certification will boost you up with all necessary skills

to become a Certified Wireless Network Administrator. CWNA certification will get you started in your wireless career by ensuring you have the skills to successfully survey, install, and administer enterprise Wi-Fi networks. This course also prepares the students for the [CWNP: CWNA-107 exam](#).

The average salary for Certified Wireless Network Administrator is **\$85,500** per year.

Course Objective:

After completing this course, students will have a working understanding of:

- Radio Frequency (RF) Technologies
- Antenna Concepts
- Wireless LAN Hardware and Software
- Network Design, Installation, and Management
- Wireless Standards and Organizations
- 802.11 Network Architecture
- Wireless LAN Security
- Troubleshooting
- How to Perform Site Surveys

Audience:

This course is intended for:

- Current IT Security Specialist Who Wish to Validate Their Skills by Pursuing The Certification.

Prerequisites:

Students should have knowledge about wi-fi administration.

Suggested prerequisites courses:

- [Cisco CCENT/CCNA Interconnecting Cisco Networking Devices Part 1 \(ICND1\)](#)

Course Outline:

- **Module 01 - Overview of Wireless Communications**
- **Module 02 - Fundamentals of RF**
- **Module 03 - Components and Measurements of RF**
- **Module 04 - RF Signal and Antenna Concepts**
- **Module 05 - IEEE 802.11**
- **Module 06 - Spread Spectrum Technologies**
- **Module 07 - WLAN Topologies**
- **Module 08 - Wi-Fi Access**
- **Module 09 - MAC Architecture**

- **Module 10 - WLAN Architecture**
- **Module 11 - WLAN Deployment**
- **Module 12 - Troubleshooting**
- **Module 13 - Security**
- **Module 14 - Types of Wireless Attacks**
- **Module 15 - Fundamentals of Site Surveys**
- **Module 16 - Site Survey Tools**
- **Module 17 - PoE**
- **Module 18 - High Throughput (HT)**
- **Module 19 - Very High Throughput (VHT)**
- **Module 20 - BYOD**