Certified Wireless Network Administrator (CWNA)

Modality: On Demand

Duration: 11 Hours

About this course:

The credential for the Certified Wireless Network Administrator (CWNA) is one of the tops in the USA. A system manager is responsible for the incorporation of the PC Frameworks with networking.

This training course will amp up your expertise from a beginner level to a certified Wireless Network Administrator. The CWNA certification will enable your career to take off by giving you the ability to install, survey and administrator the WIFI system. This course will also fully prepare you for the exam of CWNP: CWNA-107.

A Certified Wireless Network Administrator earns $85,500 on average per year.

Course Objective:

At the end of this course, students will have strong concepts of:

- Technologies of Radio Frequency (RF)
- Network Installation, Design, and Management
- Network Architecture of 802.11.
- Antenna Concepts
- Wireless LAN Software and Hardware.
- Troubleshooting
- Wireless Organizations and Standards.
- Wireless LAN Security
- Site Surveys
- Wireless Communications
- Fundamentals of RF
- Components and Measurements of RF
- RF Signal and Antenna Concepts
- IEEE 802.11
- Spread Spectrum Technologies
- WLAN Topologies
- Wi-Fi Access
- MAC Architecture
- WLAN Architecture
- WLAN Deployment
- Types of Wireless Attacks
- Basics of Site Surveys
- Tools of Site Survey
- PoE
- High Throughput (HT)

- Very High Throughput (VHT)

Audience:

The target audience for this course is IT Security Professionals who want to have an authentic certificate for their expertise.

Prerequisites:

All the students must possess general knowledge about the WIFI Administration.

Suggested prerequisites courses:

- Part 1 (ICND1) -- Cisco CCENT/CCNA Interconnecting Cisco Networking Devices

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**