

# **Certified Wireless Security Professional (CWSP)**

**Modality: On Demand**

**Duration: 13 Hours**

## **About this course:**

Certified Wireless Security Professional course will teach individuals basic functions and features, which are required for WLAN security, legacy security, 802.11 authentication methods encryption ciphers, and methods. The course will also provide knowledge regarding dynamic encryption key generation, fast following, secure roaming, wireless security risks, SOHO 802.11 security, and WLAN security auditing. Certified Wireless Security Professional course will enable individuals to implement wireless security monitoring, remote access, and guest access services, VPNs, WLAN security infrastructure.

The average salary for a Certified Wireless Security Professional is **\$95,000** per year

## **Course Objective:**

Certified Wireless Security Professional course objective is to provide individuals working understanding of the following.

- 802.11 Protocol Analysis
- WLAN Discovery Techniques
- Wireless Intrusion Prevention Systems (WIPS) Implementation
- Intrusion and Attack Techniques
- Enterprise/SMB/SOHO/Public-Network Security design models
- Layer 2 and 3 VPNs used over 802.11 networks
- Managed Endpoint Security Systems
- 802.11 Authentication and Key

## **Audience:**

- Wireless professionals who want to excel in wireless security

## **Prerequisites:**

- CWNA Certification or the equivalent in knowledge and experience

## **Suggested prerequisites courses:**

- Certified Wireless Network Administrator (CWNA)

## **Course Outline:**

- **Module 01 - WLAN Security Overview**
- **Module 02 - Legacy Security**
- **Module 03 - Encryption Ciphers and Methods**
- **Module 04 - 802.11 Authentication Methods**
- **Module 05 - Dynamic Encryption Key Generation**
- **Module 06 - SOHO 802.11 Security**
- **Module 07 - Fast Secure Roaming**
- **Module 08 - Wireless Security Risks**
- **Module 09 - Wireless LAN Security Auditing**
- **Module 10 - Wireless Security Monitoring**
- **Module 11 - VPNs, Remote Access and Guest Access Services**
- **Module 12 - WLAN Security Infrastructure**
- **Module 13 - Wireless Security Policies**