

## **CWSP® - Certified Wireless Security Professional**

### **Course Overview:**

The CWSP certification is a professional level wireless LAN certification for the CWNP Program. To earn a CWSP certification, you must hold a current and valid CWNA credential. You must take the CWSP exam at a Prometric Testing Center and pass with a 70% or higher. Instructors must pass with a 80% or higher. However you choose to prepare for the CWSP exam, you should start with the exam objectives, which cover the full list of skills tested on the exam. The CWSP certification is valid for three (3) years. To recertify, you must have a current CWNA credential and pass the current CWSP exam. By passing the CWSP exam, your CWNA certificate will be renewed for another three years.

### **Course Objectives:**

Secure new opportunities. Do you know how to assess the vulnerability of a network and help prevent attacks before they happen? Do you know how to perform WLAN security audits and implement compliance monitoring solutions? Do you have experience setting up Wireless Intrusion Prevention Systems (WIPS)?

Today's wireless network security professionals need to have a deep understanding of the latest software, tools, trends and technologies available. Security professionals are often counted on to advise on security policies (i.e. password and acceptable use). Plus, these experts are responsible for configuring an entire network's Security Design and Architecture.

### **Course Agenda:**

#### **Main areas covered by CWSP**

- WLAN Discovery Techniques
- Intrusion and Attack Techniques
- 802.11 Protocol Analysis
- Wireless Intrusion Prevention Systems (WIPS) Implementation

- Layer 2 and 3 VPNs used over 802.11 networks
- Enterprise/SMB/SOHO/Public-Network Security design models
- Managed Endpoint Security Systems802.11 Authentication and Key
- [CWSP-206 Exam Objectives 2019](#) (CWSP-206 Exam will expire June 30, 2023)
- [CWSP-207 Exam Objectives 2022](#) (CWSP-207 Exam will be available in mid-February)

### **Management Protocols**

- Enterprise/SMB/SOHO/Public-Network Security Solution Implementation
- Building Robust Security Networks from the ground up
- Fast BSS Transition (aka. Fast/Secure Roaming) Techniques
- Thorough coverage of all 802.1X/EAP types used in WLANs
- Wireless LAN Management Systems (WNMS)
- Authentication Infrastructure Design Models
- Using Secure Applications
- 802.11 Design Architectures
- Implementing a Thorough Wireless Security Policy

### **Exam Information:**

- #CWSP-207
- Duration: 90 minutes
- Questions: 60 multiple choice / multiple answer
- Language: English
- Availability: [Prometric Testing Center](#)

### **Everything you need to prepare is right here:**

- [Official Wi-Fi Security Self-Study Kit](#) (including a Study Guide, Practice Test and Exam Voucher)
- [Wi-Fi Security eLearning](#)
- [Certification Class](#)