

Training: CWNP
CWSP Enterprise Wi-Fi Security

FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Hardcopy	1480 EUR	5 days
Traditional	CTAB Tablet	1580 EUR	5 days
Distance learning	Hardcopy	1480 EUR	5 days
Distance learning	CTAB Tablet	1480 EUR	5 days

LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm
Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRAINING TERMS

2019-06-24 | 5 days | Warszawa
2019-10-14 | 5 days | Warszawa

TRAINING GOALS:

The **Wireless LAN Security** course consists of hands on learning using the latest enterprise wireless LAN security and auditing equipment.

This course addresses in detail the most up-to-date WLAN intrusion and DoS tools and techniques, functionality of the 802.11i amendment to the 802.11 standard, the inner-workings of each EAP type used with wireless LANs today, and every class and type of WLAN security solution available on the market, from wireless intrusion prevention systems to wireless network management systems.

Students who complete the course will acquire the necessary skills for implementing and managing wireless security in the enterprise by creating layer2 and layer3 hardware and software solutions with tools from the industry leading manufacturers.

CONSPECT:

- Introduction to WLAN Security Technology
 - Security policy
 - Security concerns
 - Security auditing practices
 - Application layer vulnerabilities and analysis
 - Data Link layer vulnerabilities and analysis

- Physical layer vulnerabilities and analysis
- 802.11 security mechanisms
- Wi-Fi Alliance security certifications
- Small Office / Home Office WLAN Security Technology and Solutions
 - WLAN discovery equipment and utilities
 - Legacy WLAN security methods, mechanisms, and exploits
 - Appropriate SOHO security
- WLAN Mobile Endpoint Security Solutions
 - Personal-class mobile endpoint security
 - Enterprise-class mobile endpoint security
 - User-accessible and restricted endpoint policies
 - VPN technology overview
- Branch Office / Remote Office WLAN Security Technology and Solutions
 - General vulnerabilities
 - Preshared Key security with RSN cipher suites
 - Passphrase vulnerabilities
 - Passphrase entropy and hacking tools
 - WPA/WPA2 Personal – how it works
 - WPA/WPA2 Personal – configuration
 - Wi-Fi Protected Setup (WPS)
 - Installation and configuration of WIPS, WNMS, and WLAN controllers to extend enterprise security policy to remote and branch offices
- Enterprise WLAN Management and Monitoring
 - Device identification and tracking
 - Rogue device mitigation
 - WLAN forensics
 - Enterprise WIPS installation and configuration
 - Distributed protocol analysis
 - WNMS security features
 - WLAN controller security feature sets
- Enterprise WLAN Security Technology and Solutions
 - Robust Security Networks (RSN)
 - WPA/WPA2 Enterprise – how it works
 - WPA/WPA2 Enterprise – configuration
 - IEEE 802.11 Authentication and Key Management (AKM)
 - 802.11 cipher suites

- Use of authentication services (RADIUS, LDAP) in WLANs
- User profile management (RBAC)
- Public Key Infrastructures (PKI) used with WLANs
- Certificate Authorities and x.509 digital certificates
- RADIUS installation and configuration
- 802.1X/EAP authentication mechanisms
- 802.1X/EAP types and differences
- 802.11 handshakes
- Fast BSS Transition (FT) technologies

Workshop

- WLAN Controller Security
- Wireless Intrusion Prevention Systems (WIPS)
- Using Laptop Analyzers
- Fast Secure Roaming

REQUIREMENTS:

Basic wireless LAN knowledge, [CWNA](#) preferred.

Training recommend:

- [CWNP: CWNA Enterprise Wi-Fi Administration](#)

Difficulty level



CERTIFICATE:

This course helps prepare for **CWSP exam** PW0-204 available at **VUE test centers** (www.vue.com/cwnp).

The **CWSP certification** is a professional level wireless LAN certification for the CWNP Program. The CWSP certification will advance your career by ensuring you have the skills to successfully secure enterprise Wi-Fi networks from hackers, no matter which brand of Wi-Fi gear your organization deploys.

The exam contains 60 multiple/single choice questions. Passing score is 70%.

TRAINER:

Authorized CWNP Trainer.