CWSE
Certified Wireless Security Engineer

Overview

Wireless networks offer many conveniences that are not available in wired networks, but there are security risk associated with those conveniences that businesses need to understand. The Certified Wireless Security Engineer is prepared to identify those risk that wireless networks present for a business and to create and implement a plan to mitigate those risk.

The C)WSE course will give students real-world experience with solving security vulnerabilities in wireless networks. This is accomplished by students completing hands-on lab exercises with the tools and methodologies that actual malicious hackers use to compromise wireless networks.

Upon Completion
- Have knowledge to detect wireless security threats and risk.
- Have knowledge to design and implement a solution to mitigate risk and threats.
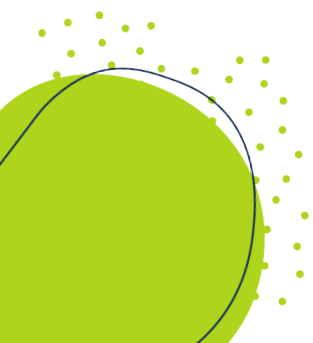- Be ready to sit for the C)WSE certification exam

Course Length
4 days

Format
- Instructor-led Classroom: Attend in person.
- Live-virtual Training: Attend the Instructor-led class remotely.

Prerequisites
- C)SAP
- C)ISSO: Information Systems Security Officer
- OR 12 months of experience in networking technologies and security

Certification Exam

The Certified Wireless Security Engineer Certification Exam is taken online through Mile2's Assessment and Certification System ("MACS"), which is accessible on your mile2.com account. The exam will take 2 hours and consist of 100 multiple choice questions.

Who Should Attend?

The Certified Wireless Security Engineer course is designed for those have a background in networking and understand basic security. It's ideal for someone who has a year or more experience in networking technologies. Students can also prepare to take this course by taking the C)ISSO: Information Systems Security Officer course and certification exam.

Course Contents

- WLAN Security Overview
- Legacy Security
- Encryoption Ciphers and Mathods
- Layer 2 Authentication Methods in Enterprise Networks
- Layer 2 Dynamic Encryption Key Generation
- SOHO 802.11 Security
- Fast Secure Roaming
- Common Attacks
- Auditing WLAN Security
- Wireless Security Monitoring
- WLAN Security