

Description:

Secure Web Application Engineers work to design information systems that are secure on the web. Organizations and governments fall victim to internet-based attacks every day. In many cases, web attacks could be thwarted but hackers, organized criminal gangs, and foreign agents are able to exploit weaknesses in web applications. The Secure Web programmer knows how to identify, mitigate and defend against all attacks through designing and building systems that are resistant to failure. With this course you will learn how to develop web applications that aren't subject to common vulnerabilities, and how to test and validate that their applications are secure, reliable and resistant to attack.



Annual Salary Potential \$71,072 AVG/year

Key Course Information

Live Class Duration: 5 Days

CEUs: 40

Language: English

Class Formats Available:

- Instructor Led
- Self-Study
- Live Virtual Training

Suggested Prerequisites:

- Sound knowledge of networking
- At least one coding language
- Linux understanding
- Open shell

Or 24 months experience in software technologies and security.

Modules/Lessons

Module 01: Web Application Security

Module 02: Secure SDLC

Module 03: OWASP Top 10

Module 04: Risk Management

Module 05: Threat Modeling

Module 06: Authentication and Authorization Attacks

Module 07: Session Management

Module 08: Security Architecture

Module 09: Data Validation

Module 10: AJAX Security

Module 11: Insecurity Code Review and Mitigation

Module 12: Application Mapping Analysis

Module 13: Cryptography

Module 14: Web Application Penetration Testing

Hands-On Labs

Lab 01: Environment Setup and Architecture

Lab 02: OWASP Top 10

Lab 03: Threat Modeling

Lab 04: Application Mapping & Analysis

Lab 05: Authentication and Authorization attacks

Lab 06: Session Management attacks

Lab 09: AJAX Security

Lab 10: Code Review and Security Testing

Lab 11: Alternatives Labs

Upon Completion

Upon completion, Certified Secure Web Application Engineer students will be able to establish industry acceptable auditing standards with current best practices and policies.

Students will also be prepared to competently take the CJSWAE exam.

Who Should Attend

- Pen Testers
- Security Officers
- Ethical Hackers
- Network Auditors
- Vulnerability assessors
- System Owners and Managers
- Cyber Security Engineers

Accreditations



Exam Information

The Certified Secure Web Application Engineer exam is taken online through Mile2's Learning Management System and is accessible on your Mile2.com account. The exam will take approximately 2 hours and consist of 100 multiple choice questions.

A minimum grade of 70% is required for certification.

Re-Certification Requirements

All Mile2 certifications will be awarded a 3-year expiration date.

There are two requirements to maintain Mile2 certification:

- 1) Pass the most current version of the exam for your respective existing certification
- 2) Earn and submit 20 CEUs per year in your Mile2 account.

Course FAQ's

Question: Do I have to purchase a course to buy a certification exam?

Answer: No

Question: Do all Mile2 courses map to a role-based career path?

Answer: Yes. You can find the career path and other courses associated with it at www.mile2.com.

Question: Are all courses available as self-study courses?

Answer: Yes. There is however 1 exception. The Red Team vs Blue Team course is only available as a live class.

Question: Are Mile2 courses transferable/shareable?

Answer: No. The course materials, videos, and exams are not meant to be shared or transferred.

Course and Certification Learning Options

