



# Startel

*Dé IT-opleider*

## **Certified Secure Web Application Engineer (CSWAE) (OWASP) E-Learning and Exam**

This self-study package from Mile2 contains: Course video, e-book, e-prep Guide, E-lab Guide, Exam Simulator, 1 week Cyberrange, 1 Year Courseware Access and 1 Year Exam Voucher.

### **Algemene omschrijving**

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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. The secure web application developer knows 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.

The vendor-neutral Certified Secure Web Application Engineer certification provides the developer with a thorough and broad understanding of secure application concepts, principles and standards. The student will be able to design, develop and test web applications that will provide reliable web services that meet functional business requirements and satisfy compliance and assurance needs.

The Certified Secure Web Application Engineer course is delivered by high level OWASP experts and students can expect to obtain real world security knowledge that enables them to recognize vulnerabilities, exploit system weaknesses and help safeguard against application threats.

### **Doelgroep**

- Coders.
- Web Application Engineers.
- IS Managers.
- Application Engineers.
- Developers.
- Programmers.

## Leerdoelen

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 C)SWAE exam.

## Voorkennis

- A minimum of 24 months' experience in software technologies & security
- Sound knowledge of networking
- At least one coding Language
- Linux understanding
- OpenShell

## Onderwerpen

### Modules

- Module 1: Web Application Security.
- Module 2: Secure Software Development Lifecycle.
- Module 3: Risk Management.
- Module 4: Threat Modeling.
- Module 5: Secure Architecture Design and Analysis.
- Module 6: Application Mapping.
- Module 7: Application Attacks.
- Module 8: Input Validation and Data Sanitization.
- Module 9: Securing Web Applications.
- Module 10: Web Application Penetration Testing.
- Module 11: Code Review and Security Testing.
- Module 12: Secure Back-End Components.
- Module 13: AJAX Security.
- Module 14: Mobile Security.
- Module 15: Content Management Systems Security.

### Labs

- Lab 1a: Environment Setup and Architecture.
- Lab 1b: OWASP TOP 10.
- Lab 2: Threat Modeling.
- Lab 3: Application Mapping & Analysis.
- Lab 4: Application Attacks.
- Lab 5: Securing Web Applications.
- Lab 6: Web Application Penetration Testing.
- Lab 7: Code Review and Security Test Scripts.
- Lab 8: AJAX Attacks.
- Lab 9: Code Review and Security Testing.