

## Certified Application Security Engineer

**Course Duration: 24 Hrs.**

**Course code: CASE-JAVA**

### Course Overview

The training program encompasses security activities involved in all phases of the Software Development Lifecycle (SDLC): planning, creating, testing, and deploying an application.

The CASE credential tests the critical security skills and knowledge required throughout a typical software development life cycle (SDLC), focusing on the importance of the implementation of secure methodologies and practices in today's insecure operating environment.

### What you'll learn?

- ❖ In-depth understanding of secure SDLC and secure SDLC models
- ❖ Knowledge of OWASP Top 10, threat modelling, SAST and DAST
- ❖ Capturing security requirements of an application in development
- ❖ Defining, maintaining, and enforcing application security best practices
- ❖ Performing manual and automated code review of application
- ❖ Conducting application security testing for web applications to assess the vulnerabilities.
- ❖ Driving development of a holistic application security program

### Target Audience

- ❖ Java developers with an experience of at least 2 years.
- ❖ Developers who wish to acquire Java application security skills to become security analysts, engineers, or testers.
- ❖ Development professionals who develop, test, or manage, Java applications.

## Pre-Requisites

### No Experience Necessary:

You don't need any prior programming experience or knowledge of Java to start the CASE Java training course.

### Focus on Security:

The course focuses on application security principles and techniques, so it's designed to be accessible to individuals with varying levels of technical background.

### EC-Council Certification:

The CASE Java certification is offered by EC-Council, a well-known provider of cybersecurity certifications.

## Course content

Module 01 - Understanding Application Security, Threats, and Attacks

Module 02 - Security Requirements Gathering

Module 03 - Secure Application Design and Architecture

Module 04 - Secure Coding Practices for Input Validation

Module 05 - Secure Coding Practices for Authentication and Authorization

Module 06 - Secure Coding Practices for Cryptography

Module 07 - Secure Coding Practices for Session Management

Module 08 - Secure Coding Practices for Error Handling

Module 09 - Static and Dynamic Application Security Testing (SAST & DAST)

Module 10 - Secure Deployment and Maintenance

## Exam Preference

The EC-Council Certified Application Security Engineer (CASE) Java course and exam focuses on equipping professionals with the skills to anticipate and mitigate application security threats, risks, and attacks throughout the software development lifecycle (SDLC).

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