

## [CASE.NET]: Certified Application Security Engineer (CASE).NET

Length : 3 days  
Delivery Method : Instructor-led (Classroom)

### Course Overview

The Certified Application Security Engineer (CASE) credential is developed in partnership with large application and software development experts globally.

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.

The CASE certified training program is developed concurrently to prepare software professionals with the necessary capabilities that are expected by employers and academia globally. It is designed to be a hands-on, comprehensive application security course that will help software professionals create secure applications.

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

Unlike other application security trainings, CASE goes beyond just the guidelines on secure coding practices and includes secure requirement gathering, robust application design, and handling security issues in post development phases of application development.

This makes CASE one of the most comprehensive certifications on the market today. It is desired by software application engineers, analysts, testers globally, and respected by hiring authorities.

### Audience Profile

- .NET Developers with a minimum of 2 years of experience and individuals who want to become application security engineers/analysts/testers
- Individuals involved in the role of developing, testing, managing, or protecting wide area of applications

### Course Material:

All attendees will receive their personal copy of the CASE courseware, an EC-Council CASE exam voucher, and access to iLabs (EC-Council's cloud driven labs environment)

### Certification:

The CASE exam can be challenged after attending the official CASE training. Candidates that successfully pass the exam will receive their CASE certificate and membership privileges. Members are expected to adhere to the policies of EC-Council's Continuing Education Requirements.

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**Exam Code:**

Exam Title	CASE(Java)/ Case(.NET)
Number of Questions	50
Test Duration	2 hours
Test Format	Multiple Choice
Passing Score	70%
Validity of Voucher Code	1 year
Open Book Exam	No

**Course Outline**

**Module 1:** Understanding Application Security, Threats, And Attacks

**Module 2:** Security Requirement Gathering

**Module 3:** Secure Application Design and Architecture

**Module 4:** Secure Coding Practices for Input Validation

**Module 5:** Secure Coding Practices for Authentication and Authorization

**Module 6:** Secure Coding Practices for Cryptography

**Module 7:** Secure Coding Practices for Session Management

**Module 8:** Secure Coding Practices for Error Handling

**Module 9:** Static and Dynamic Application Security Testing (SAST & DAST)

**Module 10:** Secure Deployment and Maintenance

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