



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.



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## About The Course

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



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## Course >>> Outline

Secure Coding Practices for Authentication and Authorization

Secure Coding Practices for Cryptography

Understanding Application
Security, Threats, and
Attacks

Secure Coding Practices for Session Management

Security Requirements
Gathering

Secure Coding Practices for Error Handling

Secure Application Design and Architecture

Static and Dynamic
Application Security
Testing (SAST & DAST)

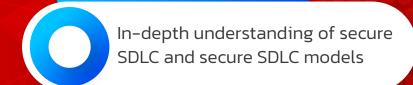
Secure Coding Practices for Input Validation

Secure Deployment and Maintenance



## Course .... Add Value ....

After CASE the you will be able to



Knowledge of OWASP Top 10, threat modeling, 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 the application

Driving development of a holistic application security program



Rating the severity of defects and publishing comprehensive reports detailing associated risks and mitigations

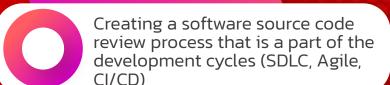
Working in teams to improve security posture attacks, and cryptanalysis tools





Application security scanning technologies such as AppScan, Fortify, WebInspect, static application security testing (SAST)

Following secure coding standards that are based on industry-accepted best practices such as OWASP Guide, or CERT Secure Coding



Java is the premier platform-independent programming language. Java programs can run on Windows, Linux, or Macintosh. Beyond that, Java is the programming language for Java apps. These facts make Java an important programming language.

Secure Java programming is becoming increasingly important. Particularly with Java being the language of Android apps.

CASE Java will give you the skills you need to write secure Java applications.





## Who is it for?

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Java Developers with a minimum of 2 years of experience and individuals who want to become application security engineers/analysts/testers.

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Individuals involved in the role of developing, testing, managing, or protecting a wide area of applications.

