

**Acronym/Nickname**  
CSP/CSAP

**Certification Body**  
EC-COUNCIL

**Description**

EC-Council's Certified Secure Programmer and Certified Secure Application Developer are being offered to provide the essential and fundamental skills to programmers and application developers in secure programming. The most prevalent reason behind buggy code and vulnerabilities being exploited by hackers and malicious code is the lack of adoption of secure coding practices.

The Certified Secure Programmer and Certified Secure Application Developer programs will ensure that programmers and developers are exposed to the inherent security drawbacks in various programming languages or architectures. They will be further trained to exercise secure programming practices to overcome these inherent drawbacks in order to pre-empt bugs from the code.

Certified Secure Programmer lays the basic foundation required by all application developers and development organizations to produce applications with greater stability and posing lesser security risks to the consumer. The Certified Secure Application Developer standardizes the knowledge base for application development by incorporating the best practices followed by experienced experts in the various domains.

The distinguishing aspect of ECSP and CSAD is that unlike vendor or domain specific certifications, it exposes the aspirant to various programming languages from a security perspective. This drives greater appreciation for the platform / architecture / language one specializes on as well as an overview on related ones.

**Certification Level** Entry

**Covered competencies**

1. Exposure to a wide range of programming languages and train on well endorsed secure coding practices
2. Improve your employability in development organizations
3. Exposure to application development across platforms
4. Enhance skills on writing better code and improve efficiency
5. Build secure applications

**Requirements**

- To achieve **EC-Council Certified Secure Programmer (ECSP)**, pass EC-Council's Certified Secure Programmer 312-92 exam.
- To achieve **EC-Council Certified Secure Application Developer (CSAD)**, achieve an application development certification from any of the following vendors and pass EC-Council's Certified Secure Programmer 312-92 exam.

**Target**

The **ECSP** certification is intended for programmers who are responsible for designing and building secure Windows/Web based applications with .NET/Java Framework. It is designed for developers who have C#, C++ and Java development skills.

**Career Path**

**Authorized Testing Center:**

PEARSON VUE / PROMETRIC

**Indicative Fee\***

250 USD

**Certification Schedule\***

\* Fees and schedules are subject to change without prior notice, please get in touch with certification body through contact details below

**Recommended/Preparatory Training**

- Module I: Introduction to Secure Coding
- Module II: Designing Secure Architecture
- Module III: Cryptography
- Module IV: Buffer Overflows
- Module V: Secure C and C++ Programming
- Module VI: Secure Java and JSP Programming
- Module VII: Secure Java Script and VB Script Programming
- Module VIII: Secure ASP Programming
- Module IX: Secure Microsoft.NET Programming
- Module X: Secure PHP Programming
- Module XI: Secure PERL Programming
- Module XII: Secure XML, Web Services and AJAX Programming
- Module XIII: Secure RPC, ActiveX and DCOM Programming
- Module XIV: Secure Linux Programming
- Module XV: Secure Linux Kernel Programming
- Module XVI: Secure Xcode Programming
- Module XVII: Secure Oracle PL/SQL Programming
- Module XVIII: Secure SQL Server Programming
- Module XIX: Secure Network Programming
- Module XX: Windows Socket Programming
- Module XXI: Writing Shellcodes
- Module XXII: Writing Exploits
- Module XXIII: Programming Port Scanners and Hacking Tools
- Module XXIV: Secure Mobile phone and PDA Programming
- Module XXV: Secure Game Designing
- Module XXVI: Securing E-Commerce Applications
- Module XXVII: Software Activation, Piracy Blocking and Automatic Updates
- Module XXVIII: Secure Application Testing
- Module XXIX: Writing Secure Documentation and Error Messages

**Where to get more information:**

<http://www.eccouncil.org/ECSP.htm>