



ECSP.NET: EC-Council Certified Secure Programmer .NET

Course ID#:1275-220-ZZ-W

21Hrs.

Course Content

Course Description:

The Certified Secure Programmer program helps expose programmers to the inherent security drawbacks in various programming languages or architectures. Participants will be trained to exercise secure programming practices to overcome these inherent drawbacks in order to preempt 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. To achieve an EC-Council Certified Secure Programmer (ECSP) Certification, a student must pass the 312-92 exam offered on the last day of training. 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.

Prerequisites:

Developers who have C#, C++ and Java skills.

Topics:

Introduction to Secure Coding

Designing Secure Architecture

Cryptography

Buffer Overflows

Secure C and C++ Programming

Secure Java and JSP Programming

Secure Java Script and VB Script Programming

Secure ASP Programming

Secure Microsoft.NET Programming

Secure PHP Programming

Secure PERL Programming

Secure XML Web Services and AJAX Programming

Secure Game Designing

Securing E-Commerce Applications

Software Activation, Piracy Blocking and Automatic Updates

Secure RPC, ActiveX and DCOM Programming

Secure Linux Programming

Secure Linux Kernel Programming

Secure Xcode Programming

Secure Oracle PL/SQL Programming

Secure SQL Server Programming

Secure Network Programming

Windows Socket Programming



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Writing Shellcodes

Secure Mobile Phone and PDA Programming

Writing Exploits

Secure Application Testing

Programming Port Scanners and Hacking Tools

Writing Secure Documentation and Error Messages