

Certified Software Security Tester – Foundation Level



The GSDC Certified Software Security Tester – Foundation Level (CSSTF) certification is a highly respected credential that focuses on the critical field of software security testing.

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ABOUT CERTIFICATION

Designed for professionals who want to validate their expertise in identifying vulnerabilities, implementing secure coding practices, and conducting comprehensive security assessments, this certification offers industry recognition for your skills in safeguarding software systems.

By obtaining the CSSTF certification, you gain a competitive edge in today's technology-driven world, where the need for robust software security measures is paramount.

With the increasing frequency and sophistication of cyber threats, certified software security testers are in high demand to protect organizations and individuals from potential breaches.

OBJECTIVES

The objective of Software Security Tester Foundation certification includes a deep understanding of:

1. Analyze software thoroughly to identify vulnerabilities.
2. Implement robust coding practices to enhance security.
3. Conduct thorough security assessments for resilience.
4. Apply industry best practices for software security.
5. Safeguard software systems against potential cyber threats.
6. Enhance skills in protecting confidential data.
7. Demonstrate proficiency in software security testing techniques.

Our Accreditation:



The Global Skill Development Council (GSDC) is the leading third-party, Vendor neutral, international credentialing and certification organization. The Global Skill Development Council (GSDC) is proud to be ANSI Accredited Member. The American National Standards Institute (ANSI) is a private, non-profit organization that administers and coordinates the U.S. voluntary standards and conformity assessment system.

The Global Skill Development Council (GSDC) is the leading third-party, vendor-neutral, Intern-ational credentialing and certification organization. The Global Skill Development Council (GSDC) is proud to be ABICB accredited member. Accreditation Board For Inter- national Certification Bodies's accreditation is globally recognized as the highest certificati- on for training institutes as it is an independent autonomous body





COURSE SYLLABUS

1. Introduction to Security Testing:

- Software Testing Background
- CIAA++

2. Software Application Risk:

- Software Security Risks
- Understanding Risk
- Threat Modeling
- Architecture Risk Analysis
- Risk Assessment
- Prioritizing Security Assurance

3. Application Security Testing:

- Types of App Security Testing
- Discovery & Reconnaissance Analysis
- Vulnerability Scanning
- Security Assessments
- Red Teaming
- Security & Compliance Audit
- Reconnaissance and Scanning

4. Requirements:

- Functional Security Requirements
- Non-Functional Security Requirements
- Addressing Conflicts
- Identifying Security Requirements

5. Authentication:

- Attacks Against Authentication
- Session IDs and Cookies
- Authentication Testing
- Race Conditions
- Session Management
- Replay Attacks
- Cross Site Request Forgery (CSRF)

6. Validation & Attacks:

- Input Validation
- Data Validation
- Common Attacks

7. Database Security Testing:

- Database Security Testing Techniques.
- Recovery Techniques
- Reporting & Documentation

8. Security Testing In Process:

- Security in an Agile Process
- Security in a Waterfall Framework
- Creating a Security Test Plan
- Security Tools in a DevOps Process

9. Access Control:

- Methods of Testing Access Control
 - Techniques for recovery
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GSDC Technical Advisory Board :



The GSDC is the leading certification association which brings together innovative organizations and founding thought-leaders as Technical Advisors from over 40 countries to design curriculum on Blockchain, Devops, Six Sigma & Agile Certifications.

Our Future Information

Target Audience

- Software Developers
- Cloud Architects
- Solution Architects
- Software Tester
- Software Engineers
- Web Developers
- IT Managers
- Software Consultants
- DevOps Practitioners
- IT Directors
- Tool Providers
- Product Owners

Pre-requisites

There are no such prerequisites for this Software Security Tester Foundation Certification. But Cloud Environment experience and working knowledge as a software/app tester are recommended. If you are looking for an advanced level then you can go for GSDC Software Security Tester Advance Certification.

Find out more online at
www.gsdccouncil.org

