Certified Advanced Software Security Tester – Advance Level

The GSDC's Certified Advanced Software Security Tester (CASST) is helpful in identifying potential threats by discovering weaknesses in your system, performing actions on a test application in a protected environment

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ABOUT CERTIFICATION

An organization will gain more confidence in their product when they successfully perform testing to prove its security not only that but risk assessment, vulnerability assessment, and penetration test are also important because they play major roles in software security.

GSDC's Advanced Software Security Tester (CASST) certification exam syllabus covers a broad range of topics in software security testing and it is recommended from GSDC that you must attend training before applying for this certification.

OBJECTIVES

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

1. Software security and best practices.
2. Knowledge of security testing Models.
3. Automation in Security testing
4. Performance Tester & Disaster Recovery.
5. Security Tester & Load Balancing.
6. Tools and frameworks.

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.

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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
- Compliance Failure
- Security Breaches
- Reduced Performance

3.Application Security Testing:
- Types of App Security Testing
- Static Application Security Testing (SAST)
- Dynamic Application Security Testing (DAST)
- Interactive Application Security Testing (IAST)
- Discovery & Reconnaissance Analysis
- Vulnerability Scanning
- Security Assessments
- Red Teaming
- Security & Compliance Audit
- Reconnaissance and Scanning
- Software Composition Analysis (SCA)
- Runtime Application Self-Protection (RASP)

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.Access Control:
- Methods of Testing Access Control
- Techniques for recvoery

7.Database Security Testing
- Types Of Threats On Database
- SQL Injections
- Misconfiguration Of Database
- Denial of Service (DoS)
- Database Testing Process
- Penetration Testing, Risk Assessment, SQL Injection Validation, Password Cracking, Security Audit
- 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

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 Advance Certification. But Cloud Environment experience and working knowledge in software/app Tester are recommended.

If you are looking for a beginner's level then you can go for GSDC Software Security Tester Foundation Certification.

**Find out more online at
www.gsdcouncil.org**