

## ISTQB Advanced Security Tester

**Duración: 4 Días**    **Código del Curso: ISTQBA-ST**    **Método de Impartición: Curso Cerrado (In-Company)**

### Temario:

This four-day accredited course prepares you for the exam “ISTQB Advanced Security Tester” and meets the requirements as set by ISTQB. You will gain detailed knowledge of security risks, vulnerabilities and defenses in order to create and perform tests that validate the effectiveness of existing and new security defenses in a given context. With the prevalence of cyber security breaches, it is clear that more testing is needed to be sure that security defenses are in place and working effectively.

Curso Cerrado (In-Company)

Debido a que nuestra formación es modular, nuestros responsables de formación e instructores pueden trabajar con usted y su equipo para detectar las necesidades formativas y adaptar un temario de forma rápida y rentable. Durante una formación cerrada, usted recibirá una formación de expertos en un curriculum adaptado a sus necesidades.

### Dirigido a:

The training is aimed at people who already have achieved an advanced point in their careers in software testing and wish to develop their expertise in security testing.  
This training is meant for: Security testers  
Software testers who wish to develop a specialty in security testing  
Security administrators who wish to learn how to test new and existing defenses  
Developers who want to learn secure coding techniques  
Managers who want to learn how security testing fits in the project lifecycle

### Objetivos:

- **After this training, you can (a.o.):**
- Plan, perform and evaluate security tests from a variety of perspectives
- Analyze a given situation and determine which security testing approaches are most likely to succeed in that situation
- Evaluate effectiveness of security mechanisms, such as firewalls and encryption
- Understand the attacker mentality so that effective defenses can be established and tested
- Know how to deal with the human risks in Information Security
- Analyze and document security test needs to be addressed by one or more tools

### Prerequisitos:

■

### Exámenes y certificación

■

## Contenido:

### Structure of this training

The training lasts four days in which you will learn all about security testing. In the Virtual Classroom these will be four days of 5 hour online meetings.

The exam consists of 45 multiple-choice questions and will take place on an extra day after the course. With a score of 65% or higher you get the ISTQB Advanced Security Tester Certificate.

### Course outline

#### The Basis of Security Testing

- Security Risks
- Information Security Policies
- Security Auditing

#### Security Testing Purposes, Goals and Strategies

- Security Testing
- Purpose
- Objectives
- Scope and Coverage
- Approaches
- Improving the Security Testing Practices

#### Security Testing Processes

- Security Test Process Definition
- Security Test Maintenance

#### Security Testing Throughout the Software Lifecycle

- Role of Security Testing in a Software Lifecycle

#### Testing Security Mechanisms

- System Hardening
- Authentication and Authorization
- Encryption
- Firewalls and Network Zones
- Intrusion Detection
- Malware Scanning
- Data Obfuscation
- Training

#### Human Factors in Security Testing

- Understanding the Attackers
- Social Engineering

#### Security Test Evaluation and Reporting

#### Security Testing Tools

- Types and Purposes
- Tool Selection

#### Standards and Industry Trends

- Understanding and Applying Security Testing Standards
- Industry Trends

## Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

[info.cursos@globalknowledge.es](mailto:info.cursos@globalknowledge.es)

[www.globalknowledge.com/es-es/](http://www.globalknowledge.com/es-es/)

Global Knowledge Network Spain, C/ Retama 7, 6ª planta, 28045 Madrid