

Course : Advanced Security Tester, ISTQB® Certification

Practical course - 3d - 21h00 - Ref. AYT

Price : 2250 CHF E.T.

La certification Tests de Sécurité s'adresse aux personnes ayant déjà atteint un stade avancé de leur carrière dans le test logiciel et souhaitant développer davantage leur expertise dans les tests de sécurité. La formation est axée sur la compréhension, la planification, la réalisation et l'évaluation des tests de sécurité sous plusieurs angles. Un testeur de sécurité certifié doit pouvoir analyser et évaluer les tests de sécurité existants et identifier les tests de sécurité supplémentaires nécessaires dans chaque situation ou projet.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understand the basic concepts of security and security testing
- ✓ Safety testing techniques
- ✓ Understanding safety testing standards
- ✓ Carry out safety testing activities
- ✓ Contribute to safety risk management

Intended audience

Anyone who has already reached an advanced stage in their software testing career and wishes to further develop their expertise in security testing.

Prerequisites

Avoir obtenu la certification ISTQB® Testeur Certifié niveau Foundation.
Avoir un premier niveau de connaissance en tests de sécurité.

Certification

The ISTQB® Advanced Security Tester (AST) certification takes place online, off-line, on a date of your choice. The exam takes the form of a 40-question MCQ, lasting one hour. To obtain certification, a minimum score of 65% correct answers is required.

Remote certifications

[See the certifier's official documentation](#) for the list of prerequisites for completing the online certification exam.

Course schedule

PARTICIPANTS

Anyone who has already reached an advanced stage in their software testing career and wishes to further develop their expertise in security testing.

PREREQUISITES

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TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

1 Safety paradigms

- Safety levels.
- Safety audits.
- The "zero trust" concept.

Exercise

Exam practice MCQs.

2 Safety testing techniques

- Types of safety test.
- Test access management.
- Testing protection technologies.

Exercise

Exam practice MCQs.

3 Safety test process

- Main activities and tasks.
- Security test environment.
- End-to-end security testing.

Exercise

Exam practice MCQs.

4 Standards and best practices

- Open Web Application Security Project (OWASP).
- Common Vulnerability Enumeration.
- Common Vulnerability Scoring System.

Exercise

Exam practice MCQs.

5 Adapting security tests to the organizational context

- Context-specific aspects.
- Regulatory impact on safety policies.
- Analysis of an attack scenario.

Exercise

Exam practice MCQs.

6 Development life cycles

- Lifecycle impact on security testing.
- Security tests during maintenance and nature of vulnerabilities.

Exercise

Exam practice MCQs.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

7 Information Security Management System - ISMS

- Security testing and SGSI.
- ISMS maturity assessment.

Exercise

Exam practice MCQs.

8 Safety test reports

- Identifying vulnerabilities.
- Vulnerability correction techniques.

Exercise

Exam practice MCQs.

9 Security testing tools

- Dynamic safety testing.
- Static safety tests.

Exercise

Exam practice MCQs.

10 Certification exam preparation

- Multiple-choice questionnaire.
- Group correction.
- Review of key points for certification.
- Certification.

Exercise

Exam practice MCQs.

Dates and locations

REMOTE CLASS

2026 : 8 Apr., 3 June, 5 Oct., 23 Nov.