Course : ISTQB® Advanced Level, Technical Test Analyst (CTAL-TA), Certification

Practical course - 3d - 21h00 - Ref. TQB
Price : 2480 CHF E.T.

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Certification

The exam is taken in the form of a 40-question multiple-choice test lasting 90 minutes (available in English or French). A minimum score of 65% correct answers is required to pass. The exam is supervised by a GASQ examiner. The certification exam takes place at the end of the training session: for classroom-based sessions, it is taken on paper or on a digital tablet; for virtual classroom sessions, the exam is taken online.

Remote certifications

See the certifier's official documentation for the list of prerequisites for completing the online certification exam.

Practical details

Teaching methods

Illustrations through concrete cases, feedback and exercises to prepare for the certification test throughout training.

Course schedule

1 The Technical Test Analyst's Tasks in Risk-Based Testing

- General introduction of risk analysis and testing.
- Risk Identification.
- Risk Assessment.
- Risk Mitigation.

Exercise
Review question, exam preparation.

PARTICIPANTS

PREREQUISITES

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.

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

2 Structure-Based Testing

- General introduction of structure-based testing.
- Condition Testing.
- Decision Condition Testing.
- Modified Condition/Decision Coverage (MC/DC) Testing.
- Multiple Condition Testing.
- Path Testing.
- API Testing.
- Selecting a Structure-Based Technique.

Exercise
Review question, exam preparation.

3 Analytical Techniques

- General introduction of analytical techniques.
- Static Analysis.
- Control Flow Analysis. Data Flow Analysis.
- Using Static Analysis for Improving Maintainability. Call Graphs.
- Dynamic Analysis.
- Overview. Detecting Memory Leaks.
- Detecting Wild Pointers. Analysis of Performance.

Exercise
Review question, exam preparation.

4 Quality Characteristics for Technical Testing

- General introduction.
- General Planning Issues.
- Security Testing.
- Reliability Testing.
- Performance Testing.
- Resource Utilization.
- Maintainability Testing.
- Portability Testing.

Exercise
Review question, exam preparation.

5 Reviews

- General introduction of review.
- Using Checklists in Reviews.
- Architectural Reviews.
- Code Reviews.

Exercise
Review question, exam preparation.

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.

6 Test Tools and Automation

- Integration and Information Interchange Between Tools.
- Defining the Test Automation Project.
- Selecting the Automation Approach.
- Modeling Business Processes for Automation.
- Specific Test Tools.
- Fault Seeding/Fault Injection Tools.
- Performance Testing Tools. Tools for Web-Based Testing.
- Tools to Support Model-Based Testing. Component Testing and Build Tools.

Exercise

Review question, exam preparation.

7 Certification

- Revision on the main themes approached in formation.
- Practice test to involve itself.
- Installation of the examination: 2 hours, the last day on 3PM, by the GASQ selected by the ISTQB.

Dates and locations

REMOTE CLASS
2026 : 8 June, 8 June, 23 Sep., 23 Sep., 2 Dec.,
2 Dec.