Course : ISTQB® Advanced Level, Test Automation Engineer (CTAL-TAE), Certification

Practical course - 3d - 21h00 - Ref. ATQ
Price : 2580 CHF E.T.

4,1 / 5

BEST

Teaching objectives

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

- Know the potential benefits of automation
- Be able to identify which tests can be automated
- Be able to identify and select suitable tools given the context
- Set up a test automation strategy

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.

Course schedule

1 Introduction to test automation

- Overview and feedback on the goals and benefits of automation.
- Highlighting the risks of automation.
- Overview of what makes a test automation project successful.

Storyboarding workshops
Discussions on participants' expectations and experience.

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 Preparing test automation

- Identifying the right automation solution for the system being tested.
- Selecting the right method and tool.
- Learning how to design so as to guarantee testability and facilitate automation.

Example

Understanding the need to anticipate the automation project in order to optimize it.

3 Generic architecture for test automation

- Overview of the generic architecture and different layers.
- Different approaches to test automation.
- Development of the test automation solution.

Sequence Objectives

Based on a real-world example, identify different automation levels.

4 Risks from deploying automation and contingencies

- Selecting the automation approach and managing its implementation.
- Managing the main risks.
- Maintainability and maintenance of the automated testing solution.

Group discussion

Identifying the risks of automation and possible contingencies.

5 Metrics and automation tracking

- Identifying and classifying good metrics.
- Setting up the measurement and tracking system.
- Recording and analyzing the results of the measurements.
- Automating the measurement and tracking of metrics.

Hands-on work

Defining the method for tracking test automation and metrics for doing so.

6 Switching from manual tests to automated tests

- Defining automation criteria.
- Management for regression tests.
- Management for testing new features.

Role-playing

Based on a set of manual tests, define a strategy for migrating to a set of automated tests.

7 Taking the certification exam

- Exam supervised by the GASQ.
- Exam
- Multiple-choice (40 questions in 90 minutes).

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.

8 **Continual improvement approaches.**

- Adapting to changes in the tested system and its environment.

Exam

Dates and locations

REMOTE CLASS
2026 : 27 Apr., 20 May, 22 June, 22 June, 27 July,
24 Aug., 9 Sep., 9 Sep., 19 Oct., 2 Nov., 30 Nov.,
30 Nov.