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

Practical course - 3d - 21h00 - Ref. ATQ
Price : 2200 € 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.

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).

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.

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

LUXEMBOURG
2026 : 22 June, 9 Sep., 30 Nov.