

ISTQB Advanced Technical Test Analyst Training

The ISTQB Advanced Technical Test Analyst Training is based on the ISTQB syllabus. It extends the knowledge gained in the Software Testing Foundation Certificate and is aimed at those who have achieved an advanced point in their careers and are expecting to be actively involved in test analysis.

Objective

After successfully completing the course and passing the exam, delegates should be able to:

- Recognize and classify the typical risks associated with the performance, security, reliability, portability and maintainability of software systems.
- Create test plans which detail the planning, design and execution of tests for mitigating performance, security, reliability, portability and maintainability risks.
- Select and apply appropriate structural design techniques to ensure that tests provide an adequate level of confidence, based on code coverage and design coverage.
- Effectively participate in technical reviews with developers and software architects applying knowledge of typical mistakes made in code and architecture.
- Recognize risks in code and software architecture and create test plan elements to mitigate those risks through dynamic analysis.
- Propose improvements to the security, maintainability and testability of code by applying static analysis.
- Outline the costs and benefits to be expected from introducing particular types of test automation.
- Select appropriate tools to automate technical testing tasks.
- Understand the technical issues and concepts in applying test automation.

The objectives for the Certified Tester Advanced Level qualification are to:

- gain recognition for testing as an essential and professional software engineering specialization;
- provide a standard framework for the development of testers' careers;
- enable professionally qualified testers to be recognized by employers, customers and peers, and to raise the profile of testers and testing;
- promote consistent and good testing practices within all software engineering disciplines;
- identify testing topics that are relevant and of value to industry;
- enable software suppliers to hire certified testers and thereby gain commercial advantage over their competitors by advertising their tester recruitment policy;
- provide an opportunity for testers and those with an interest in testing to acquire an internationally recognized qualification in the subject

Details

Duration: 3 Days

Course PreRequisites

To attend this ISTQB Advanced Technical Test Analyst course you must first gain the [BCS/ISTQB Foundation Software Testing Certificate](#).

Course Content

Syllabus - Key points

- The Technical Test Analyst's Tasks in Risk-Based Testing
- Structure-Based Testing
- Analytical Techniques
- Quality Characteristics for Technical Testing
- Reviews
- Incident Management
- Test Tools & Automation

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