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What is ISTQB Advanced Technical Test Analyst Training?

The ISTQB Advanced Technical Test Analyst training course extends the broad understanding of testing acquired at Foundation Level to enable the role of Technical Test Analyst to be performed.

This three day tutor-led course includes lectures, exercises and practical work, as well as exam preparation. The examination is held at an agreed later date, so allowing adequate time for revision. It is fully-accredited by UKTB on behalf of ISTQB and has been rated SFIAplus level 5 by the BCS.

We also provide private and in-company **ISTQB Advanced Technical Test Analyst courses.** Call +44 (0)1273 622272 to discuss.

ISTQB Advanced Technical Test Analyst Exam

Each Advanced level examination lasts 3 hours and consists of 65 multiple choice questions. Each question has a value of 1, 2 or 3 marks, the total available mark for each exam is 100 and the pass mark is 65. The Advanced level exam has “pick ‘n’ mix” questions which consist of a stem (question) followed by a list of options (minimum 5). The candidate is asked to pick 2 or 3 of the options listed.

Next steps

The Advanced Level establishes a platform from which further skills and knowledge may be acquired at the Expert Level. Holders of the Advanced Level Technical Test Analyst qualification will be eligible to continue on to Expert level qualifications, such as Test Automation and Security Testing. More details to follow when available. Holders of the Certified Tester Advanced Level Technical Test Analyst qualification may also wish to consider the two other Advanced Level qualifications, Test Analyst and Test Manager.

Prerequisites

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

Course Objectives

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

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- 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

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

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.