

# ISTQB Advanced Technical Test Analyst

5 Days + exam



## About the Course

This is a five-day tutor-led course using a mixture of slide presentations, discussions, tool demonstrations and practical exercises. The classroom course is five days including exam preparation and revision. The qualification is assessed by means of a three hour multiple choice-style examination, which may be scheduled on-site or taken at public exam centres, administered by ISEB. Please contact us for the exam dates or exam voucher.

The Advanced level qualifications are aimed at those individuals who have achieved an advanced point in their software testing careers. Each exam handles a different aspect of software testing and builds on the Foundation and Intermediate certifications with more practical and specific application of the broader theory.

The Advanced Technical Test Analyst course is aimed at those expecting to be actively involved in test analysis, as well as those who want a deeper understanding of technical test analysis, such as project managers, quality managers and software development managers.

The Advanced level qualifications examine up to level K4 of the given learning objectives / levels of knowledge and has been rated SFIA Plus level 5 by the BCS.

## The Exam

This section contains information and documents that will help you prepare for this examination.

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.

The ISTQB Advanced level exams breakdown as follows:60% K2 (39 questions), 25% K3/K4 standard (16 questions), 15% K4 complex (10 questions).

## Course Objectives

The Advanced Technical Test Analyst qualification focuses on the skills and knowledge needed to define and carry out the tasks required to put a test strategy into action. Successful candidates can:

- Structure the tasks defined in the test strategy in terms of technical requirements
- Analyse the internal structure of the system in sufficient detail to meet the expected quality level
- Evaluate the system in terms of technical quality attributes such as performance, security etc
- Prepare and execute the adequate activities, and report on there progress
- Conduct technical testing activities
- Prepare the necessary evidence to support evaluations
- Implement the necessary tools and techniques to achieve the defined goals

## Entry Requirements

Successful completion of the ISTQB-ISEB Certified Tester Foundation Level is a pre-requisite to taking an Advanced Certificate examination and it is suggested that candidates have a minimum of 3 years testing experience. Candidates may find the ISEB Intermediate Certificate a useful bridge between Foundation and Advanced though it is not mandatory.

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## Syllabus – Key points

### Techniques for Writing Test Cases

- Specification-based (black box) testing
- Code-based (white box) testing
- Defect- and Experience-based testing

### Supporting Activities

- Incident Management
- Reporting
- Selection of the most appropriate testing techniques and reviews

### Non-Functional Testing

- Testing of software characteristics, such as security, reliability, efficiency, maintainability and portability
- Performance testing tools

### Static Testing

- Architecture-based reviews
- Code-based reviews
- Static analysis

## Next steps

The Advanced level certifications are part of the ISTQB internationally recognised software testing scheme. The next step within this scheme will be Expert level. More details to follow when available

## How to buy

- Call TSG +44 (0)20 7469 1500
- Visit our website at <http://testing-solutions.com/training/courses>.