

About the Course

The ISTQB-ISEB Certified Tester Foundation Level is ideal for all who have an interest in understanding the basic concepts of software testing.

The qualifications are principally aimed at anyone involved in software testing. This includes people in roles such as testers, test analysts, test engineers, test consultants, test managers, user acceptance testers and software developers.

This Foundation Level qualification is also appropriate for anyone who wants a basic understanding of software testing, such as project managers, quality managers, software development managers, business analysts, IT directors and management consultants.

It examines up to level K3 of the given learning objectives / levels of knowledge. We recommend that candidates taking this course spend some time in preparation by studying and becoming familiar with the learning objectives and syllabus for the course.

Access to the Learntesting virtual learning environment portal is provided for 1-year for all candidates taking this course. Candidates may commence it at any time during the year, but once started they are required to complete it within 90-days.

The course provides a complete learning service for candidates wishing to achieve certification in ISEB/ISTQB foundation.

Using a blended learning model, the course provides:

- Tutor-videos;
- Full transcript of online presentation;
- Interactive exercises and sample questions
- Sample exam paper;
- Full tutor support.

Those taking the course are also provided with 1-year's access to:

- A number of testing and related discipline books from the Skillssoft library;
- Other value-add products, information and regular opinion pieces from industry-experts.

The Exam

The examination lasts one hour and consists of 40 multiple-choice questions. It's a 'closed book' examination i.e. no notes or books are allowed into the examination room. The pass mark is 26/40. The exam can be sat at a Pearson Vue centre at a location and time of the candidates choice, this can be booked directly via the Pearson Vue website.

Course Objectives

The objectives of this course are:

- to prepare candidates for the ISEB Foundation Certificate in Software Testing based on the ISTQB syllabus;
- to improve understanding of software testing - its purpose and nature - and to raise awareness of issues and constraints around testing;
- to provide a professional qualification widely recognised by employers, customers and peers;
- to introduce test techniques (static, white box and black box) to delegates as well as providing practical experience of some key techniques;
- to learn standard terminology;
- to provide a complete picture of the test activities and processes from requirements review to system implementation; and
- to discover good sources of information.

The objectives for the qualification are in the ISTQB syllabus and include:

- enabling software suppliers to hire certified testers and thereby gain commercial advantage over their competitors by advertising their tester recruitment policy; and
- enabling comparison of testing skills across different countries, testers to move across country borders more easily and multi-national/international projects to have a common understanding of testing issues.

Entry Requirements

- The candidate should have a basic working knowledge of IT.
- It is recommended that you attend an ISEB approved training course run by an accredited training provider.
- The overall public exam pass rates are notably higher for candidates who have attended an accredited training course.

Syllabus – Key points

The full syllabus can be downloaded from the ISTQB website: <http://www.istqb.org/downloads/syllabi/SyllabusFoundation.pdf> TSG's Learntesting course follows the same syllabus as our tutor-led course (ISTQBF), covering:

1. The fundamentals of testing: Why is testing necessary? Harm caused by defects in software; root causes; testing and quality assurance; what is testing? General testing principles; Fundamental test process and the psychology of testing.
2. Testing throughout the software life cycle: Software development models; test levels, objectives, objects and targets of testing; functional, non-functional, structural and change-related testing; confirmation, regression and maintenance testing.
3. Static techniques: Reviews and the test process; typical formal review process; different types of review: informal review, technical review, walkthrough and inspection; static analysis tools.
4. Test design techniques: Identifying test conditions and designing test cases; equivalence partitioning; boundary value analysis; decision tables; state transition diagrams, use case testing; statement and decision coverage; control flows using statement testing and decision testing; experience based techniques; choosing techniques.
5. Test management: Test organization, planning and estimation; 'Standard for Software Test Documentation' (IEEE 829); exit criteria; test progress monitoring and control; metrics and reporting; configuration management; risk and testing; incident management; incident reporting.
6. Tool support for testing: Types of test tool; effective use of tools; potential benefits and risks; introducing tools.

Next steps

- The next step from this qualification is the Intermediate Certificate in Software Testing, although this is not a pre-requisite for the ISTQB Advanced courses.
- There is also the Advanced level qualifications which comprise of Test Analyst, Test Manager and Technical Test Analyst.

How to buy

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