

About the Course

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 test analyst course is suitable for those actively involved in the analysis, specification, design and execution aspects of software testing. The course, which is fully compliant with the syllabus and its prescribed learning objectives, contains 10 key modules of at least the required duration (minutes):

1. Introduction to the Syllabus (60);
2. Basic Aspects of Software Testing (30);
3. Testing Processes (180);
4. Test Management (120);
5. Test Techniques (1080);
6. Test of Software Characteristics (210);
7. Reviews (180)
8. Incident Management (120);
9. Test Tools & Automation (90);
10. People Skills & Team Composition (30).

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 120-days. The Advanced level qualifications examine up to level K4 of the given learning objectives / levels of knowledge.

We recommend that candidates taking this course spend some time in preparation by looking at some or all of the foundation video to refresh knowledge and terminology that is common to both Foundation and Advanced level syllabi. Also ensure they are familiar with the learning objectives and syllabus for the course.

Using a blended learning model, the course provides:

- Tutor-videos;
- Full transcript of online presentation;
- Interactive exercises and sample questions;
- Sample exam paper;
- Live Virtual Classrooms (pre-scheduled) for;
 - Advanced Level exercises; and
 - Exam question revision;
- Full tutor support.

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

- A Foundation refresher video;
- 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

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 Test Analyst qualification will give internationally recognised advanced skills in test analysis, design and execution. Successful candidates can;

- Structure the tasks defined in the test strategy in terms of business domain requirements
- Analyse the system in sufficient detail to meet the user quality expectations
- Evaluate the system requirements to determine domain validity
- Prepare and execute the adequate testing activities, and report on their progress
- Provide the necessary evidence to support evaluations
- Implement the necessary tools and techniques to achieve the defined goals.

Syllabus – Key points

Introduction to Syllabus

- General introduction and objectives;
- Review of the ISTQB Foundation Syllabus.

Basic Aspects of Software Testing

- General Refresher & Overview.

Testing Processes

- Test Analysis & Design;
- Test Implementation & Execution;
- Evaluating Exit Criteria & Reporting.

Test Management

- Risk Based Testing;
- Prioritisation;
- Coverage;
- Activities for Planning and Execution of Domain Testing.

People Skills & Team Composition

- Communication.

Reviews

- Review Checklists;
- Review Types.

Test Techniques

- Selection of Techniques;
- Typical defects and coverage criteria;
- Designing test cases;
- Test Specification;
- Rationale for defect-based and experience-based testing;
- Example defect taxonomies and their use;
- Exploratory testing.

Test of Software Characteristics

- Quality Attributes for Domain Testing;
- Quality Attributes for Technical Testing;

Test Tools & Automation

- Test Tool Concepts;
- Test Tool Categories.

Incident Management

- Analyse;
- Classify;
- Describe Defects.

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.

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>.