

Combined ISTQB Foundation & Agile Foundation Extension - 5 Days includes exam

About the Course

The combined ISTQB Foundation & Agile Tester Extension 5 day course covers the fundamentals of software testing, providing delegates with the necessary foundations for a career as a software testing professional and the last two days includes a high proportion of hands-on practical team-based activities to allow candidates to get a true feel for how agile projects work in the real world

The first three days is an intensive tutor-led course and includes exam preparation, revision and the ISTQB Foundation in software testing examination is taken on the afternoon of the third day. It is fully-accredited by UKTB on behalf of ISTQB and has been rated SFIPlus level 3 by the BCS. The last two days of this course include lectures, exercises and practical work and includes a high proportion of hands-on practical team-based activities to allow candidates to get a true feel for how agile projects work in the real world. The last two days have been rated at SFIPlus level 4 by the BCS. The ISTQB Agile Tester Extension exam can be taken on line at any Pearson Vue Center, for which a voucher will be provided following completion of the training course.

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

- Use a common language for efficient and effective communication with other testers and project stakeholders.
- Understand established testing concepts, the fundamental test process, test approaches, and principles to support test objectives.
- Design and prioritize tests by using established techniques.
- Analyze both functional and non-functional specifications (such as performance and usability) at all test levels for systems with low to medium levels of complexity.
- Execute tests according to agreed test plans, and analyze and report on the results of tests.
- Write clear and understandable incident reports.
- Effectively participate in reviews of small to medium-sized projects.
- Be familiar with different types of testing tools and their uses; and assist in the tool selection and implementation process.
- Delegates should be able to; collaborate in an agile team, being familiar with agile principles and practices.
- Adapt existing testing experience, knowledge, and best practices, and apply relevant test methods and techniques; Help business stakeholders define understandable and testable user stories and acceptance criteria.

Who is it for?

The ISTQB Certified Tester Foundation Level is principally aimed at anyone directly involved in software testing, who needs to demonstrate practical knowledge of the fundamental concepts, such as testers, test analysts, test engineers, test leads, test consultants, test managers, user acceptance testers and software developers. The Foundation Level Extension Agile Tester part of the course is suitable for those who are, or expect to be, working on agile projects. It is aimed at those who seek a practical application of the core software testing material covered at ISTQB Foundation level to agile projects.

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Entry Requirements

On arrival at the course, candidates should have read the provided syllabus in preparation for the course. The course is intensive and those delegates who have prepared achieve a higher exam success rate

The Exam

To qualify as an internationally-recognized Certified Foundation Level Tester and be issued with an ISTQB® Foundation Level Certificate, delegates must successfully pass the exam administered by the relevant National Board or Examination Provider.

- The examination consists of a one hour exam with 40 multiple choice questions.
- It will be a 'closed book' examination i.e. no notes or books will be allowed into the examination room.
- Duration of 60 minutes (or 75 minutes for candidates taking examinations that are not in their native language)
- No study material or electronic devices (including mobile phones) may be used during the examination
- Candidates are allowed to use simple non-programmable calculators (to be provided by the candidate)
- An official translation of terms (not their definitions) from the ISTQB® Glossary to the local language is allowed
- Candidates taking exams that are not in their native language may use a paper-based translation dictionary.
- The pass mark is 65% (26 out of 40).

The ISTQB Foundation Level Extension Agile Tester Exam

- The exam can be taken on line at any Pearson Vue Center, for which a voucher will be provided following completion of the training course. The exam voucher is valid for 6 months

Course Objectives

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

- Prepare candidates for the Foundation Certificate in Software Testing based on the ISTQB syllabus;
- Improve understanding of software testing - its purpose and nature - and to raise awareness of issues and constraints around testing;
- Learn standard terminology;
- Introduce test techniques (static, white & black box) to delegates as well as providing practical experience of key techniques;
- Provide a complete picture of the test processes from requirements review to system implementation; and
- Provide delegates with an environment that supports their learning and impart them with the necessary confidence and means to support their future career as a test professional.
- Collaborate in an agile team, being familiar with agile principles and practices;
- Adapt existing testing experience, knowledge, and best practices;
- Support the agile team in planning test related activities;
- Apply relevant test methods and techniques;
- Assist in test automation;

- Help business stakeholders define understandable and testable user stories and acceptance criteria;
- Work with and share information with other team members;

Syllabus—Key points

The course covers the following:

- Software Testing Fundamentals
- Testing throughout the software life cycle
- Static techniques
- Test design techniques
- Test management
- Tool support for testing
- Agile Development & the Agile Manifesto
- The 'Whole-Team' Approach
- Early and Frequent Feedback
- Agile Tester Roles & Skills
- Agile Development Approaches (Scrum, XP and Kanban)
- Release & Iteration Planning
- Burndown Charts
- Project Initialization
- Collaborative User Story Creation & Acceptance Criteria
- Assessing Quality Risks and Estimating Test Effort
- Test-Driven Development, Acceptance Test-Driven Development, and Behaviour-Driven Development
- Continuous Integration
- The Differences between Testing on Traditional and Agile Projects
- The 'Definition of Done'
- Agile Taskboards
- Options for Independent Testing in Agile
- The Test Pyramid
- Testing Quadrants
- Exploratory Testing in Agile Projects
- Functional and Non-Functional Black Box Test Design for User Stories
- Agile Retrospectives
- Managing Regression Risk with Evolving Manual and Automated Test Cases
- Refactoring & Technical

How to buy

Call Experimentus on 0207 871 2300 or visit our website at: <https://www.experimentus.com> for further details.