

Agile Testing Foundation

The Agile Testing Foundation training course extends the broad understanding of testing acquired at Foundation Level and covers those topics which are considered to be essential knowledge for a test professional working on agile projects.

This intensive tutor-led course contains 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. This course has been rated at SFIPlus level 4.

Benefits to the individual

- Extends knowledge gained at Foundation level
- Essential skills for a test professional working on agile projects including software testing as an integrated part of the agile development approach

Benefits to the business

- Staff have the confidence and skills to use agile techniques in the software testing environment
- Benefits as software testing projects are carried out more effectively and productively
- Greater chance of project success

Audience

- Those working on agile projects
- Those who seek a practical application of the core software testing material covered at ISTQB Foundation level to agile projects
- Those who want a deeper understanding of software testing as an integrated part of the agile development approach

Course duration

Two days

Pre-requisites

18 months experience in software testing.



Course objectives

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

- understand the basis of the agile approach
- combine test activities to create the test process for an agile project
- understand and contribute to those activities that are characteristic of agile projects
- participate in release and iteration planning on an agile project
- organise and perform testing on agile projects
- suggest improvements to both the development and testing on an on-going agile project
- understand the complexities that are inherent in larger agile projects

Exam details

There is no exam as part of this course.

Course content

- The Agile Manifesto
- The Agile Principles
- Agile Approaches
- Agile Teams
- Continuous customer involvement
- Scrum Activities
- Definition of Done
- Testing in the agile project
- Project Initialisation
- User Stories
- Agile Taskboard
- Daily Stand-Up (Scrum) Meeting
- Code-first & test-driven development
- Continuous Integration, Automated Builds, and Automated Tests
- Refactoring
- Technical Debt
- Defect Reporting
- Release Planning
- Iteration Planning
- Burndown charts
- Acceptance Criteria
- User Story Checklists
- Exploratory Testing in Agile Projects
- Test Doubles
- Agile Test Tools
- Regression Testing
- Acceptance Testing
- Communication on agile projects
- Testing in Larger Projects
- Agile Retrospectives
- Multiple Agile Teams
- Version Management on larger projects
- Distributed Teams