

This course leads to the BCS (ISEB) and ISTQB Certified Tester Foundation Level Certificate in Software Testing and follows the International Software Testing Qualifications Board (ISTQB) Certified Tester Foundation Level Syllabus.

The certificate is awarded by ISTQB to those who pass examination taken at the end of the course.

The exam consists of 40 multi-choice questions. A pass is awarded for candidates achieving a score of 26 or more.

Recommended for:

Anyone wanting to get into or involved in a software testing role

Course objectives:

- understand all the essential principles of software testing and the testing process
- be aware of how testing is applied at different points throughout the system development life cycle using different static and test design techniques
- gain an understanding of test management
- appreciate the current state of testing plus current trends and developments, including important techniques and tools
- learn everything you need to pass the Foundation Certificate examination

Key points:

Everything that is required by the ISTQB syllabus is covered, including:

Fundamentals of testing

- Why is testing necessary?
- what is testing?, general testing principles
- fundamental test process
- the psychology of testing

Testing throughout the software life cycle

- Software development models
- test levels
- test types
- the targets of testing
- maintenance testing

Static techniques

- Reviews and the test process
- review process
- static analysis by tools

Test design techniques

- Identifying test conditions and designing test cases
- categories of test design techniques
- specification based or black-box techniques
- structure-based or white-box techniques
- experience-based techniques
- choosing test techniques

Test management

- Test organization
- test planning and estimation
- test progress monitoring and control
- configuration management
- risk and testing
- incident management

Tool support for testing

- Types of test tool
- effective use of tools
- potential benefits and risks
- introducing a tool into an organization

Each section is followed by review questions and a mock examination is taken and discussed prior to the BCS (ISEB) invigilated examination.

Prerequisites:

Delegates should have basic knowledge or experience in IT. The only pre-reading recommended is the ISEB/ISTQB syllabus for this course or the ISEB Foundation book published by ISEB.

ISEB Examination:

- The exam is one hour multi-choice
- Take place on the final course day
- To Pass a scored of 26 or higher is required