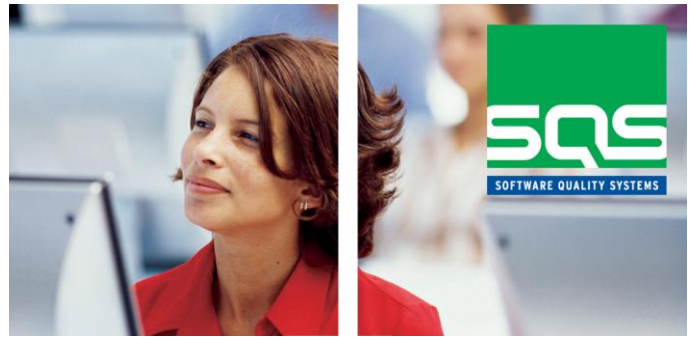


Foundation Certificate in Software Testing

ISEBFC

3 days



Course Overview

A three day course including the examination.

Certification is recognised as the essential measurement to prove knowledge of the fundamental principles of testing techniques for those making a career in testing. Senior executives have realised that major IT Projects cannot be successfully implemented without a committed and enthusiastic testing team. Increasing demand for qualified personnel means that proof of knowledge is now vital for employers.

SQS's Foundation Certificate in Software Testing is based upon the foundation level syllabus published by the International Software Quality Testing Board (ISTQB) and offers an internationally recognised qualification in software testing.

The Foundation Certificate introduces a wide range of testing activities and concepts. In addition to covering theory, the course has a range of exercises in which attendees can practice the testing techniques and a number of interactive learning elements.

To prepare attendees for the certification exam there are frequent review questions and a mock exam held on the last day. Additionally, to help the attendees with revision there are homework exercises on both day 1 and day 2.

Course Objectives

On completion of this course, attendees will be able to:

- Demonstrate and implement effective testing techniques.
- Work to international standards and requirements.
- Demonstrate an understanding of the fundamental principles and terminology of software testing.
- Undertaking testing tasks with a greater degree confidence.
- Identify the required testing skills for recruitment and career development purposes.
- Prepare to sit the certificate exam and gain the qualification.

Who should attend?

Everyone involved in software testing.

Prerequisites

The Foundation Certificate in Software Testing is appropriate for everyone involved in software testing. Pre-course notes are available for those attendees unsure of the relevance of their background.

Related Certifications

This course leads to either the ISEB Foundation Certificate in Software Testing or the ISTQB Certified Tester Foundation Level certification. Both schemes are equal in value and both are internationally recognised. Passing the certification exam will allow attendees to continue on with either of the ISEB or the ISTQB certification schemes, or both.

Recommended Follow-on Courses

This course provides the foundation for all our other courses, please contact us to design your personal training programme.

Further Information

The exam is held at the end of day 3 and is invigilated by the relevant exam board for that country such as ISEB in the UK and South Africa and the Irish Testing Board in Ireland. Please contact us to confirm the exam board for your course.



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Course Outline

This three day course follows the ISEB Foundation Certificate in Software Testing syllabus and will cover:

Fundamentals of Testing

- Why is testing necessary
- What is testing?
- General testing principles
- Fundamental test process
- The psychology of testing

Testing throughout the life cycle

- Software development models
- Test levels
- Test types: the targets of testing
- Maintenance testing

Static techniques

- Reviews and test process
- Review process
- Static analysis by tools

Test design techniques

- 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 organisation
- Test planning and estimation
- Progress monitoring and control
- Configuration management
- Risk and testing
- Incident management

Tool support for testing

- Types of test tools
- Effective use of tools: potential benefits and risks
- Introducing a tool into an organisation

Mock examination

Official examination

