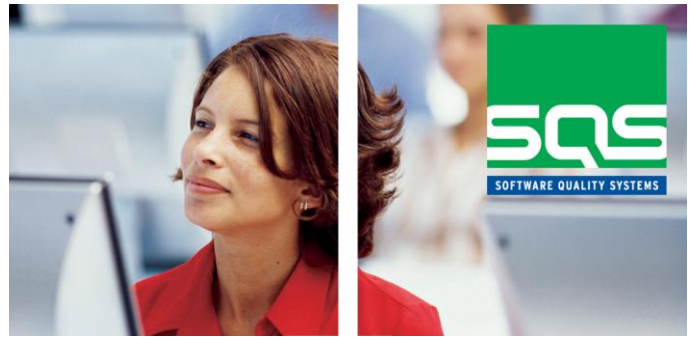


Testing Basics

SQS-TB1

1 day



Course Overview

A one day course.

As a new tester, an individual needs to understand why we test software, what is software testing and some of the key terms & principles of software testing.

This course aims to address the key issues for a person who is new to software testing or who is going to be involved with software testing.

Course Objectives

On completion of this course, attendees will:

- Be able to explain why we test software and the risks of not doing so
- Be able to describe the benefits that structured, planned testing can provide to an organisation
- Understand the software development life cycle, the points at which bugs can be introduced and how testing can help us identify bugs and even prevent bugs from occurring
- Be able to describe the main steps in the fundamental test process
- Understand the various levels and types of testing and how they can identify existing bugs and even prevent bugs
- Understand key testing terminology

Who should attend?

This course is suitable for anyone wishing to gain a basic understanding of software testing.

Prerequisites

There are no pre-requisites for this course.

Related Certifications

None

Recommended Follow-on Courses

This course opens the door to a career in software testing, please contact us to discuss which other SQS courses could benefit you.



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Course Outline

This one day course will cover:

The need for testing

- Why do we need to test software and what happens if we don't do it?
- What is software testing?
- The benefits of testing and when we should start testing for maximum efficiency
- Why we can't test everything
- Testing and quality – two sides of the same coin?
- Key testing terms – error, fault and failure

The software under test

- How software is built – understanding the software development life cycle
- Why are mistakes made during development and how can they be prevented?

The test process

- Why planning is key to the success of a testing project
- Defining the test objectives and when to stop testing
- Estimating the task ahead
- Prioritising and risk management and what part they play in the test process
- Deciding what to test
- Writing test cases
- Running tests and recording the results
- Monitoring the progress of testing
- The different types and phases of testing
- The test team – roles and responsibilities

What to test

- Identifying the things we want to test and which will make the most difference to the testing project
- Test cases – what are they?

Testing in different development environments

- The V-Model
- What is agile testing?

