

# Software Testing Foundations (ISTQB® CTFL)

## Duration

**In Person:** 3 days

**LiveOnline:** 5 sessions of 4.5 hours

## Certification

The ISTQB® CTFL exam is not included as part of the course and is not included in the course fee. The content for this course is based on the ISTQB® Certified Tester Foundation Level (CTFL) v4.0 syllabus.

The ISTQB CTFL examination can be booked through [ISQI](#) and can be taken at a test centre or remotely.

A Software Testing Foundations digital badge will be available upon successful completion of the course from Skills Development Group.

## PDUs

This course will contribute 21 PMI® professional development units (PDUs) towards your chosen certification (1 Power Skills, 19 Business Acumen and 1 Ways of Working).



Want to uncover the fundamentals of software testing?

Our Software Testing Foundations (ISTQB® CTFL) course combines proven methodologies with best practice to provide a great grounding for you to progress your testing career. This course is designed to promote solid and consistent testing practices within all software engineering disciplines. Recognised as the baseline of knowledge for a testing professional, it will provide you with the necessary knowledge to sit the ISTQB® Certified Tester, Foundation Level exam.

The ISTQB® Certified Tester Foundation Level (CTFL) syllabus is the cornerstone of essential testing knowledge that can be applied to real-world scenarios and provides a comprehensive understanding of the terminology and concepts used in the testing domain worldwide, making it relevant for all software delivery approaches and practices.

## Learning Outcomes

During this course you will learn about:

- Fundamental concepts of software testing
- Identifying the test approach and activities to be implemented depending on the context of testing
- Improving the quality of documentation
- Increasing efficiency and effectiveness of testing
- Aligning the test process with the software development lifecycle
- Test management principles
- Writing and communicating clear and understandable defect reports
- Factors that influence the priorities and efforts related to testing
- Working as part of a cross-functional team
- Risks and benefits related to test automation
- Essential skills required for testing
- Impact of risk on testing
- Effectively reporting on test progress and quality

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## Intended For

This course is aimed at:

- Testers, Test Analysts and Developers who need to demonstrate practical knowledge of the fundamental concepts of software testing.
- Project Managers, Business Analysts and leaders who require a basic understanding of software testing
- Anyone interested in the testing field and wanting to achieve the ISTQB® CTFL certification

## Prerequisites

There are no prerequisites for the Software Testing Foundations (ISTQB® CTFL) class.

## Content

Topics and exercises covered in the course include:

- Fundamentals of Testing
  - What is Testing?
  - Why is Testing Necessary?
  - Testing Principles
  - Test Activities, Testware & Test Roles
  - Essential Skills & Good Practices in Testing
- Testing Throughout the SDLC
  - Test Levels & Test Types
  - Maintenance Testing
- Static Testing
  - Static Testing Basics
  - Feedback & Review Processing
- Test Analysis & Design
  - Black-box Test Techniques
  - White-box Test Techniques
  - Experience-based Test Techniques
  - Collaboration-based Test Approaches
- Managing the Test Activities
  - Testing Planning
  - Risk Management
  - Test Monitoring, Control & Completion
  - Configuration Management
  - Defect Management
- Test Tools
  - Tool Support for Testing
  - Benefits & Risks of Test Automation

Lecturing is kept to the minimum necessary where most of the learning is achieved by applying the practices and techniques in group exercises. Our LiveOnline delivery is over five days (each four and a half hours in duration). The instructor is 100% live and interaction and learning objectives are the same as our in-person classes with the added benefit of being able to take this course from your home, your office or your home office. Since this class is delivered over half-days it allows for greater flexibility and leaves you with time each day for other work or activities.