



THE  
LEARNING  
DEVELOPMENT  
GROUP

## Introduction

This comprehensive workshop prepares you for the internationally recognized independent ISTQB CTFL (Foundation Level) exam, administered by the South African Software Testing Qualifications Board (SASTQB).

You will be guided in a structured way, by certified facilitators, through the theory and practice of Testing, Testing throughout the Software Life Cycle, Static and Test Design Techniques, Test Management and Tool Support for Testing. In addition you will be given sample questions, practical exercises and test-taking tips and strategies to increase your odds of passing the exam.

This short course is aligned to the ISTQB CTFL syllabus.

## Target Audience

This programme is aimed at any individual involved in software testing including Testers, Test Analysts, Test Leads, Test Engineers and Software Developers wishing to write the ISTQB CTFL (Foundation Level) exam and become certified.

It is also relevant if you are a Project Manager, Business Analyst or IT director wanting a fundamental understanding of software testing.

## Entry Requirements

- At least one year's software testing experience in a functioning and busy testing team or
- You must have attended FTI's short course Fundamentals of Software Quality Assurance or Effective User Acceptance Testing.

## Workplace Requirements

There are no workplace requirements but if you are able to apply and practice the skills learnt on the course to your own job or workplace, this will be an advantage.

- Access to a PC and software for course exercises and practise exam questions.

Information Technology

# ISTQB Certified Tester Foundation Level

ISTQB – FTI Certification

SAQA ID: NA

NQF Level: NA

Credits: NA

## Course Delivery & Assessment

We use in-classroom, virtual classroom and blended interactive facilitator-led training as well as discussions, reading, practise exercises and simulations to prepare you for the exam.

To gain an FTI Certificate of Attendance and to prepare you for the ISTQB CTFL exam, you will need to:

- Attend all lectures and sessions.
- Answer practice questions that simulate the exam.
- Participate in review discussions around sample questions and answers.
- Contribute to group activities and share relevant workplace experience.
- Practise and test your theoretical knowledge and skills in individual and group sessions.
- Self-study course material.

On completion of the short course, you can sit the independent examination administered by SASTQB. (cost of one sitting of the exam is covered as part of the course fee).

## Learning Outcomes

By the end of the course you will have assimilated information and learnt methods of recall and retention to pass the exam. You will be able to:

- Describe why testing is part of quality assurance and give examples of how testing contributes to higher quality.
- Provide examples of the objectives of testing in different phases of the software life cycle.
- Explain the seven principles of testing.
- Understand the differences between static and dynamic techniques and between different review types.
- Recognise that software development models must be adapted to project context and product characteristics.
- Identify and describe non-functional test types based on non-functional requirements.
- Explain, translate and write test cases and write test execution schedules.
- Describe, with examples, how risk analysis and risk management can be used for test planning.
- Explain the purpose of tool support for testing.
- Summarize the potential benefits and risks of test automation for testing.



## Course Content

### ISTQB Certified Tester Foundation Level Short Course

SAQA ID: NA | Learning Programme ID: ISTQB  
NQF Level: NA | Credits : NA  
ISTQB CTFL aligned | PD Hours: NA

#### Module 1: Fundamentals of Testing

- Testing necessity
- Understanding testing
- Principles of testing
- Test Process
- Psychology of testing
- Code of Ethics

#### Module 2: Testing throughout the Software Life Cycle

- Methodologies
- Test levels
- Test types
- Maintenance testing

#### Module 3: Static Techniques

- Techniques and the test process
- Review process
- Analysis with tools
- Review process
- Analysis with tools

#### Module 4: Test Design Techniques

- Test development process
- Test design techniques
- Black box and white box techniques

#### Module 5: Test Management

- Test organisation
- Test planning and estimation
- Monitoring and controlling test progress
- Configuration management
- Risks and testing
- Incident management

#### Module 6: Tool Support for Testing

- Types of test tools
- Effective use of test tools
- Introducing a tool into the organisation



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## Our Accredited Organisations



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