

ISTQB® Certified Tester Foundation Level (CTFL) v4.0

Building Strong Foundations in Software Testing

1. Course Information

The **ISTQB® Certified Tester Foundation Level (CTFL) v4.0** is the globally recognized entry-level certification for software testing professionals. It provides a comprehensive introduction to the **fundamental principles, practices, techniques, and processes of software testing**.

This course establishes a strong foundation in **quality engineering**, enabling participants to understand the role of testing across the software development lifecycle (SDLC), apply structured test techniques, manage test activities, and support continuous improvement in software quality.

CTFL v4.0 is aligned with modern development practices, including Agile and DevOps environments, making it relevant for today's digital transformation initiatives.

This course prepares participants for the **ISTQB® CTFL certification examination** and supports career progression in software quality assurance and testing.

2. Who Should Attend This Course

This course is suitable for:

- Entry-level and junior software testers
- Test analysts and QA professionals
- Software developers seeking structured testing knowledge
- Business analysts and system analysts
- Project managers and IT managers
- Professionals transitioning into software testing roles
- Organizations aiming to standardize testing practices

It is ideal for individuals who want to gain a **globally recognized certification** and establish credibility in software testing.

3. Topics Coverage (3-Day Course)

Chapter 1: Fundamentals of Testing

- What is testing?
- Why testing is necessary
- Testing principles
- Test activities, testware, and roles

- Essential skills and good practices in testing

Chapter 2: Testing Throughout the Software Development Lifecycle

- Testing in the context of SDLC
- Test levels and test types
- Maintenance testing

Chapter 3: Static Testing

- Static testing basics
- Reviews and feedback processes

Chapter 4: Test Analysis and Design

- Test techniques overview
- Black-box test techniques
- White-box test techniques
- Experience-based test techniques
- Collaboration-based test approaches

Chapter 5: Managing the Test Activities

- Test planning
- Risk management
- Test monitoring, control, and completion
- Configuration management
- Defect management

Chapter 6: Tool Support for Testing

- Tool support for testing
- Benefits and risks of test automation

4. By the End of This Course, Participants Will Be Able To:

Upon successful completion, participants will be able to:

- Understand fundamental concepts of software testing
 - Explain what testing is and why it is valuable
 - Identify appropriate test approaches and activities based on context
 - Assess and improve the quality of documentation
 - Increase the effectiveness and efficiency of testing
 - Align testing processes with the software development lifecycle
 - Understand key test management principles
 - Write clear and structured defect reports
 - Understand factors influencing testing priorities and effort
 - Work effectively within cross-functional teams
 - Understand risks and benefits related to test automation
 - Identify essential skills required for professional testers
 - Understand the impact of risk on testing activities
 - Effectively report on test progress and product quality
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5. Course Duration

- **Duration:** 3 Days
 - **Total Contact Hours:** 21 Hours
 - **Mode:** Online / Face-to-Face (F2F)
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6. Exam Information (ISTQB® CTFL v4.0)

- **Exam Duration:** 60 minutes
 - **Number of Questions:** 40 (Multiple Choice)
 - **Pass Mark:** 65%
 - **Extra Time:** +25% for non-native language candidates
 - **Certification Validity:** Lifetime
 - **Certification Level:** Foundation
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7. Pre-Requisites

There are **no formal prerequisites** for attending the CTFL course or sitting for the exam.

However, basic knowledge of software development concepts is beneficial.

8. Additional Information

Certification Body

- Malaysian Software Testing Board (MSTB) as an appointed local chapter for International Software Testing Qualifications Board (ISTQB®)

Training Approach

- Instructor-led, interactive sessions
- Real-world examples and case discussions
- Practice questions and exam preparation support

Delivery Mode

- Classroom (Face-to-Face)
- Virtual Instructor-Led Training (VILT)
- Corporate / In-house training available

Materials Provided

- Official ISTQB® CTFL v4.0 training materials
- Sample exam questions
- Course completion certificate

Why Choose This Course?

- ✓ Globally recognized software testing certification
- ✓ Strong foundation for advanced ISTQB certifications
- ✓ Enhances career prospects in Quality Engineering & Testing
- ✓ Industry-aligned and applicable across all sectors
- ✓ Ideal entry point into Agile, Automation, AI-driven testing, and cybersecurity domains