

## ISTQB Software Testing Foundation

### Referencia

JIS 310

### Duración (horas)

24

### Última actualización

10 febrero 2018

### Modalidades

Presencial, OpenClass®

### Examen

ISTQB-F

### Certificación

ISTQB Foundation

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## Introducción

The ISTQB Software Testing Foundation Certificate Course is a three day course explaining the fundamentals in software testing. This course has been accredited by ISEB and it addresses the ISTQB Foundation Syllabus. The course contains exercises, practice exams and games to highlight key aspects of the syllabus to assist the delegate in the understanding of the concepts and methods presented.

## Objetivos

- Learn about the differences between the testing levels and targets
- Know how to apply both black and white box approaches to all levels of testing
- Understand the differences between the various types of review and be aware of Static Analysis
- Learn aspects of test planning, estimation, monitoring and control
- Communicate better through understanding standard definitions of terms
- Gain knowledge of the different types of testing tools and the best way of implementing those tool

## Perfil de los alumnos

This course is appropriate for testers, test team leaders, developers, development managers, business analysts, and anyone wishing to gain the ISEB Foundation Certificate in Software Testing.

## Requisitos previos

None. However we strongly suggest that delegates wishing to take the Foundation exam should have at least 6 months

**Barcelona** Carrer Almogàvers 123, 08018 Barcelona / T. +34 933 041 720 / F. +34 933 041 722

**Madrid** Plaza de Carlos Trias Bertrán 7, 1ª Planta (Edificio Sollube), 28020 Madrid / T. +34 914 427 703

experience in testing.

## Contenidos

### 1. Fundamentals of Testing

This section looks at why testing is necessary, what testing is, and explains general testing principles, the fundamental test process, and psychological aspects of testing.

### 2. Testing throughout the software lifecycle

Explains the relationship between testing and life cycle development models, including the V-model and iterative development.

2.1. Outlines four levels of testing:

2.1.1. Component testing

2.1.2. Integration testing

2.1.3. System testing

2.1.4. Acceptance testing

2.2. Describes four test types, the targets of testing:

2.2.1. Functional

2.2.2. Non-functional characteristics

2.2.3. Structural

2.2.4. Change-related

2.3. Outlines the role of testing in maintenance.

### 3. Static Techniques

Explains the differences between the various types of review, and outlines the characteristics of a formal review. Describes how static analysis can find defects.

### 4. Test Design Techniques

This section explains how to identify test conditions (things to test) and how to design test cases and procedures. It also explains the difference between white and black box testing. The following techniques are described in some detail with practical exercises:

4.1. Equivalence Partitioning

4.2. Boundary Value Analysis

4.3. Decision Tables

4.4. State Transition testing

4.5. Statement and Decision testing

### 5. Test Management

This section looks at organisational implications for testing and describes test planning and estimation, test monitoring and control. The relationship of testing and risk is covered, and configuration management and incident management.

### 6. Tool Support for Testing

Different types of tool support for testing are described throughout the course. This session summarises them, and discusses how to use them effectively and how best to introduce a new tool.

## **Acreditación**

Se emitirá Certificado de Asistencia sólo a los alumnos con una asistencia superior al 75% y Diploma aprovechamiento si superan también la prueba de evaluación.