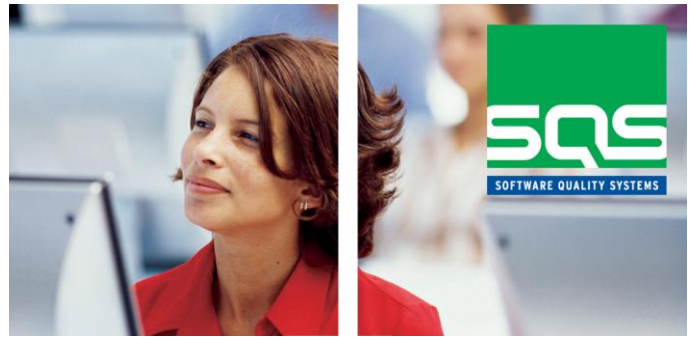


ISTQB Certified Tester Advanced Level Technical Test Analyst

CTAL-TTA

5 days plus exam



Course Overview

A five day course.

ISTQB (International Software Testing Qualifications Board) is the new standard for international qualifications in software testing at an advanced level. This course, with its large number of practical exercises and practice examination questions, fully prepares attendees for the ISTQB Certified Tester Advanced Level Technical Test Analyst examination. Whilst the course is focused on the syllabus, giving attendees the best possible preparation for the examination, it also contains many real world practical examples.

Course Objectives

On completion of this course, attendees will have an advanced understanding of test design techniques and will be fully prepared to take the ISTQB Certified Tester Advanced Level Technical Test Analyst examination.

Who should attend?

Anyone involved in creating test conditions, test cases or test procedures (test scripts), and anyone intending to take the ISTQB Certified Tester Advanced Level Technical Test Analyst examination.

In contrast to the ISTQB Certified Tester Advanced Level Test Analysis course, this course is focused more on testing at the component and integration level and is recommended for all testers involved in this and any other type of technical testing.

Prerequisites

Attendees intending to take the ISTQB Certified Tester Advanced Level Technical Test Analyst examination must hold the ISTQB or ISEB Foundation Certificate in Software Testing.

Related Certifications

- ISTQB Certified Tester Foundation Level or ISEB Foundation Certificate in Software Testing
- ISTQB Certified Tester Advanced Level Test Analyst
- ISTQB Certified Tester Advanced Level Test Manager

Recommended Follow-on Courses

After completing this course attendees may consider taking one or both of the other ISTQB Advanced Level courses:

- ISTQB Certified Tester Advanced Level Test Analyst
- ISTQB Certified Tester Advanced Level Test Manager

Attendees wishing to further advance their skills as a test analyst may also consider taking the following courses:

- User Acceptance Testing
- Practical Test Design
- Practical Testing Processes
- Applied Testing Techniques
- Introduction to Agile
- Introduction to Test Driven Development

Further Information

By presenting the information and exercises using real practical examples from SQS's extensive experience, as well as encouraging attendees to discuss their own experience, and by giving special attention to practice exam questions, attendees of this course will find that they have the best possible chance of scoring a high mark in the exam.



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Course Outline

This course follows the ISTQB Advanced Level Technical Test Analyst syllabus and covers the following:

Basic aspects of software testing

- Review of the ISTQB Certified Tester Foundation Level syllabus
- Specific systems (application domains)
- Testing and the software development life cycle
- Stakeholders
- Ethics

Test process

- Test planning and control
- Test analysis and design
- Test implementation and execution
- Evaluation exit criteria and reporting
- Test closure activities
- Test process improvement models

Test management

- Test management documentation
- Typical test strategies
- Standards
- Test estimation, monitoring, reporting and control
- Risk management
- Failure Mode and Effect Analysis (FMEA)

Test techniques

- Specification based techniques
- Structure based techniques
- Defect and experienced based techniques
- Static analysis
- Dynamic analysis

Test of software characteristics

- Quality attributes for domain testing
- Quality attributes for technical testing

Reviews

- Principles of reviews
- Types of review

Incident management

- Incident reports
- When can an incident be identified
- The incident management process or defect life cycle
- Defect fields
- Metrics and incident management
- Communicating incidents

Tools

- Test tool concepts
- Test tools categories

People skills

- Individual skills
- Test team dynamics
- Fitting testing within an organisation
- Motivation
- Communication

