

ISTQB® Certified Tester – reliable test know-how in more than 30 countries world wide

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All seminars are run by imbus,
an ISTQB® accredited training
provider



Distinguish yourself -

become an ISTQB® Certified Tester

By becoming an ISTQB® certified tester, you prove to be up to date with the current state of the art in software testing. The certification program is designed such that you can identify yourself to your employers and clients as a true testing expert. One who studies the field, applies fundamental and sophisticated test techniques, and knows and understands the important issues.

As a software testing expert, you are able to execute all test activities, but you are also well prepared to manage a test project or an entire test department. The ISTQB® Certified Tester scheme is practice-oriented, teaches you reliable and advanced test know-how, and shows you a clear and promising carrier path.

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ISTQB® Certified Tester

The ISTQB® Certified Tester is a well established standard and broadly accepted throughout Europe, America, and Asia. Its methodology supports you in all phases throughout the entire test life cycle. The methodology is broadly tested in real world projects but still offers testing approaches well refined by advanced research and testing experts – and it is applicable to all industries.



The ISTQB® Certified Tester program provides certification for software testers internationally. Currently there are two levels of certification: The Foundation Level and the Advanced Level. For the Expert Level, subject areas covering particular aspects of software testing should become available by mid 2007. Under the guidance of the International Software Testing Qualifications Board (ISTQB), international working parties develop and maintain world-wide uniform syllabi and exams for each level.

Based on these syllabi, ISTQB® accredited training providers offer seminars to prepare for the certification exam. Training providers are accredited and constantly monitored for high quality by national boards, who also administer the exam. For Switzerland, this is done by the Swiss Testing Board (STB) and the Swiss Association for Quality (SAQ).

Seminars

know-how
for experts

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Course structure

Our training courses closely match the ISTQB® Certified Tester standard with its two level structure Foundation Level and Advanced Level.

The Foundation Level exam checks for the basics in software testing. It provides information about the certificate holder's level of familiarity with the most common concepts of software testing and the associated terminology. It is possible to pass the exam without prior work experience. The Foundation Level is an important stepping stone on your way to become a test expert.

The Advance Level is more in-dept and much more practice oriented than the Foundation Level. To sit for an exam, you must have verifiable work experience in software or systems testing and hold an ISTQB® Certified Tester Foundation Level certificate. The Advanced Level exam is composed of

three sections. They correspond to the three different subject areas: Functional Tester, Technical Tester, and Test Manager. All three areas must be passed to receive the full Advanced Level certificate. However, single sections of the exam can be taken, and the certificate identifies which sections have been completed.

Accredited training provider

To guarantee a constantly high quality, all training providers need to undergo a demanding rigorous accreditation process and they are constantly monitored by the national testing board.

All our seminars are run by imbus, an ISTQB® accredited training provider. imbus was the first German training organization being accredited and has a long and outstanding track record in training professionals for the ISTQB® certified tester exams.



Independent certification center

All our training courses for the ISTQB® Certified Tester can be completed with a certification exam. The examination is supervised by the Swiss Testing Board and executed by the Swiss Association for Quality as independent certification center.

It is possible to take the examination directly at the end of the seminar, or later.

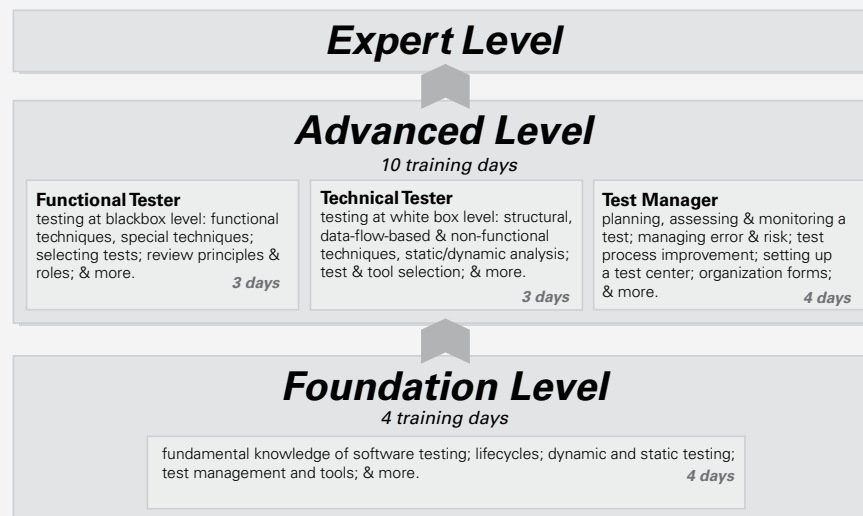
Course schedule

Greenliff organizes training courses for software and system testing professionals who would like to obtain certification. We organize training courses both for the foundation and the advanced level. Courses are held in German or English. Open courses are scheduled regularly at our site in the Technopark in Zurich, Switzerland.

We are happy to give company courses – also at your corporate location. Please contact us for more information regarding trainings tailored to your specific needs.

For upcoming courses, for course subscription and for additional information please refer to our web site at [<http://www.greenliff.com>](http://www.greenliff.com)

Please do not hesitate to contact us in case of any open questions.



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Seminars

ISTQB® Certified Tester Foundation Level

ISTQB® Certified Tester Advanced Level

- Test Manager
- Functional Tester
- Technical Tester



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ISTQB® Certified Tester Foundation Level

Preparation for the *ISTQB®-Certified Tester Foundation Level exam*

Sound base knowledge

The seminar provides a comprehensive overview of the tasks, methods and techniques used in software testing. You will be introduced to all the steps of the software testing process, from planning and specification to carrying out and logging tests.

On completion of the course you will be familiar with the essential terminology of testing and the relevant international norms and standards. You will be able to successfully apply techniques such as equivalence partitioning at the module, integration or system test level. You will understand how meaningful error reports are created, how the defect correction process is monitored, and how efficient error re-testing is carried out. You will know which test tools can support your work, and you will be familiar with the pitfalls involved in selecting and introducing these tools.

You will be well prepared to earn the ISTQB® Certified Tester Foundation Level certificate, as this seminar is accredited according to the syllabus and extensively explains the terms, definitions and test practices you need to know.

During the course, your new knowledge will be reinforced by case studies and practical work. Participants are able to sit the certification examination at the training location on the last day of the course.

In addition to the four-day version, this seminar is also available as a three day intense training at your own location. The intense version of the course still covers the syllabus of the ISTQB®, but is abbreviated and offers less room for discussion and practical aspects.

Contents

- Fundamentals/terms/principles
- Testing in the software life cycle
- The test process
- Techniques of test specification
- Dynamic and static test techniques
- Carrying out and evaluating tests
- Planning, prioritizing and controlling tests
- Building test teams: roles and qualifications
- Test automation and test tools

Target audience

Software testers who want to give themselves a sound knowledge base. Programmers and developers who will be performing testing tasks. Project and team leaders who want to organize software tests more efficiently. People who are interested in the **ISTQB® Certified Tester Foundation Level certificate**.

Prerequisites

Basic knowledge of software development is useful.

Seminar code CT-FL
Duration 4 days
Price CHF 2'950.-

All fees are given in CHF excluding legal VAT. When taking an exam, additional examination fees will be charged by the certification partner.

Test Manager - ISTQB® Certified Tester Advanced Level

Preparation for the Test Manager exam – part of the **ISTQB® Certified Tester Advanced Level** certification.

Successful test management for software projects

The training is divided into two main sections on test management and test process improvement.

The test management section provides project managers and test managers with the knowledge they need to successfully plan, control and monitor software tests within their projects (operative test management). Participants are shown how to introduce, anchor and continually improve software tests as an effective, established process within their company (strategic test management).

Various documents related to test planning (IEEE Std. 829) are presented. The fundamental concepts of fault management (IEEE Std. 1044), risk management and test management are explained, and their interrelationships examined. The participants learn what quality information and fault statistics can be gained through the testing process, and how this objective test data can be used to make well-founded product-release decisions. This section also includes an overview of the various organizational designs seen in software testing practice. Participants are helped to choose the optimum organizational design for their own situation. A testing center case study shows the factors to be considered in the successful organization of software tests.

When the test process has been set up and is running, the next stage is test process improvement. Adapting and optimizing the various processes is a constant challenge for the test manager. Participants learn various models of process improvement and discover how the models can be applied. The main focus is placed on adapted models for improving the test process. As a practical exercise, participants go through the steps of applying a process improvement model.

The seminar is rounded off with an examination of the role of the tester within the company. The seminar discussed the special situation of the tester as well as the specialist knowledge and social skills he will need.

This seminar is the ideal preparation for the Test Manager examination – part of the „ISTQB® Certified Tester Advanced Level“ certification. The course sticks closely to the subject matter behind the test standard and deepens understanding with case studies and exercises. It is possible to take the examination directly at the end of the seminar.

Contents

- Test process
- Test planning, Test resource estimation
- Test monitoring
- Defect management
- Risk management in testing
- Anchoring the test in the company, organizational designs for testing
- Designing and setting up a test center
- Process improvement for the test process
- The test team
- The role of the tester

Target audience

Senior managers and CEOs of software companies, test managers, project managers, quality managers, software development team leaders; anyone interested in the **ISTQB® Certified Tester Advanced Level** certification.

Prerequisites

We recommend completing the **ISTQB® Certified Tester Foundation Level** seminar before attending this course.

Seminar code	CT-AM
Duration	4 days
Price	CHF 2'950.-

All fees are given in CHF excluding legal VAT. When taking an exam, additional examination fees will be charged by the certification partner. To qualify to sit for an exam, you must have verifiable work experience in software or systems testing and hold an **ISTQB® Certified Tester - Foundation Level** certificate.



Functional Tester - ISTQB® Certified Tester Advanced Level

Preparation for the Functional Tester exam – part of the **ISTQB® Certified Tester Advanced Level** certification.

Functional test techniques and review

The training course first presents a comprehensive palette of methods and techniques for deriving and specifying software tests at the black box level. It gives participants the knowledge they need to successfully select and apply techniques for test case derivation, such as equivalence partitioning, classification tree method, boundary value analysis and state transition testing. Supplementary techniques such as exploratory testing and random testing are also introduced.

The course then deals with reviews. Reviews are an uncomplicated, proven and rapid technique for the effective testing and checking of design documents, source codes and other substantial project documents. No other quality assurance technique allows faults to be recognized and corrected so simply yet successfully. The seminar presents review techniques for testing specifications, source code, manuals and other documents, and shows how a review culture can be established within the project as a permanent accompaniment to the process. The techniques presented are oriented towards the IEEE Standard for Software Reviews (IEEE Std. 1028).

This seminar is the ideal preparation for the Functional Tester examination – part of the „ISTQB® Certified Tester Advanced Level“ certification. In preparation for the exam, participants are familiarized with the subject matter behind the test standard and deepen their understanding by working through case studies and exercises. In group work, typical review situations are played out and analysed. It is possible to take the examination directly at the end of the seminar.

Contents

- Functional
 - Equivalence partitioning
 - Boundary value analysis
 - Classification tree method
 - State transition testing
- Supplementary techniques
 - Exploratory testing
 - Random testing
- Selecting test techniques
- Review principles and roles
 - Informal review
 - Walkthrough
 - Technical review
 - Inspection
 - Management review and audit

Target audience

Test managers, software testers, developers, software project team members; members of specialist departments who want to deepen their knowledge of test design and test specification; anyone interested in being certified as an **ISTQB® Certified Tester Advanced Level**.

Prerequisites

We recommend completing the **ISTQB® Certified Tester Foundation Level** seminar before attending this course.

Seminar Code	CT-AF
Duration	3 days
Price	CHF 2'350.-

All fees are given in CHF excluding legal VAT. When taking an exam, additional examination fees will be charged by the certification partner. To qualify to sit for an exam, you must have verifiable work experience in software or systems testing and hold an **ISTQB® Certified Tester - Foundation Level** certificate.



Technical Tester - ISTQB® Certified Tester Advanced Level

Preparation for the Technical Tester exam – part of the **ISTQB® Certified Tester Advanced Level** certification.

Structural and non-functional test techniques

This training course presents a comprehensive set of methods and techniques for deriving and specifying software tests at the white box level. On completing the course, participants are able to select and apply techniques for test case derivation such as control flow or data flow testing as well as static and dynamic analysis. They will also be familiar with supplementary non-functional techniques such as reliability testing, usability testing, performance, load and stress testing.

Test tools are also considered. The various software testing tools available are reviewed and their application fields and limits discussed. Participants will discover which tools could support their work, and learn how to avoid potential pitfalls in selection and implementation.

This seminar is the ideal preparation for the Technical Tester examination – part of the **ISTQB® Certified Tester Advanced Level** certification. In preparation for the exam, participants are familiarized with the subject matter behind the test standard and deepen their understanding by working through tool demonstrations and case studies. It is possible to take the examination directly at the end of the seminar.

Contents

- Structural techniques: control flow based
 - Statement and branch coverage
 - Path coverage, LCSAJ and segment-pair coverage
 - Simple, multiple and minimal-multiple condition coverage
- Data flow-based structural techniques and coverage criteria
- Static and dynamic analysis
- Non-functional techniques
 - Usability testing
 - Performance, load and stress test
 - Reliability testing

Target audience

Software testers, programmers; developers who want to deepen their knowledge of test design and test specification, enabling them to develop better and more precise test cases and select, implement and use test tools; anyone interested in being certified as an **ISTQB® Certified Tester Advanced Level**.

Prerequisites

We recommend completing the **ISTQB® Certified Tester Foundation Level** seminar before attending this course.

Seminar code CT-AT
Duration 3 days
Price CHF 2'350.-

All fees are given in CHF excluding legal VAT. When taking an exam, additional examination fees will be charged by the certification partner. To qualify to sit for an exam, you must have verifiable work experience in software or systems testing and hold an **ISTQB® Certified Tester - Foundation Level** certificate.

