

Business Skills - Software Tester Certification Boot Camp

Code:	ST-CERT-BC
Length:	3 days
URL:	View Online

"Software Testing Certification" is an accredited certification software testing training course to prepare you for the ISTQB™ Certified Tester–Foundation Level exam. This program is the only internationally accepted software testing certification, accredited by the ISTQB™ through its network of National Boards. The ISTQB™, a non–proprietary organization, has granted over 165,000 certifications in more than 60 countries around the globe. This software testing certification training course was designed specifically with the exam taker in mind. Understanding that each participant will be strong or weak in any number of areas of the syllabus, full coverage of the topics is maintained while creating a highly interactive learning environment that is engaging for all and supports everyone in reaching the right level of competency for the exam. Using real–world examples as a backdrop, this course reinforces ideas and terms with in–line reviews and pop–quizzes, illustrates complex concepts with realistic examples, and enables applying techniques with practice sessions and hands–on exercises. Intense review of the learning objectives and in–depth analysis of the ISTQB's sample exam round out the course experience leading up to the exam session on the afternoon of day three.

- At the conclusion of this software testing certification training course you will have the opportunity to take the ISTQB™ Certified Tester – Foundation Level exam. The exam is held on the third day of the course. The ISTQB™ Certified Tester – Foundation Level certification exam is independently administered by the American Software Testing Qualifications Board, Inc. (ASTQB).

Skills Gained

- Enhance your understanding of the syllabus terminology and topics through dynamic and interactive methods, not passive reading
- Immerse yourself in an atmosphere designed for focused review, study, and test preparation
- Gain confidence with your recall skills using the "tests" built into the course
- Improve your overall understanding and retention of the material through varied experiential learning methods (not just rote memorization and repetition)
- Clarify your understanding of the learning objectives
- Discover techniques for removing blockers to retention and understanding
- Practice using techniques and get immediate feedback
- Learn more about the approaches and techniques outlined in the syllabus by exploring them using the real-world examples provided in the course
- Determine how to focus your effort to get the most out of your prep time
- Get key questions about the material answered BEFORE the exam so you can feel prepared and confident

Course Details

Tips for getting the MAXIMUM benefit out of attending this software testing certification training c

- Read the ISTQB Certified Tester Foundation Level Syllabus PRIOR to attending the course
- Have a list of questions regarding the material prepared for the instructor in advance
- Be ready for a very intense and rigorous experience
- Actively engage in the course
- Block out the course days on your calendar as "out of the office" or "unavailable/busy" time so there are no competing expectations on your time (set "away" messages for email and phone if possible)
- Clear your evening schedule of commitments so you have time for your personal study and preparation (interruptions and distractions will compromise your success)
- Find a study buddy if possible
- Sign up for after class Open Study Sessions with the instructor
- Take care of yourself physically. Eat well and plan to get enough rest. (A tired, frazzled test taker makes more mistakes.)
- Talk to the instructor about test anxiety and ways to mitigate it

I. Course and exam overview

- ISTQB and ASTQB overview
- Exam format
- Study and exam taking tips
- Course flow and agenda topics
- Outline of the daily schedule (varies on day 3)
- Explanation of supplementary material

II. Fundamentals of testing

- Testing overview and key terminology
- Common testing principles
- Basic test process
- Psychology of testing
- Code of ethics
- Interactive Session: Testing missions and test objectives
- Pop Quiz: Seven testing principles
- Interactive Session: Context drivers for testing

III. Testing throughout the software life cycle

- Software development models
- Test levels and test types
- Maintenance testing
- Interactive Session: Understanding test impacts of software development models
- Interactive Session: Illustrating verification and validation for better understanding
- Interactive Session: Linking test levels with entry and exit criteria
- Interactive Session: Compare and contrast black box and white box testing
- Interactive Session: Understanding goals, targets, and issues within test levels
- Interactive Session: Compare and contrast test types using examples

IV. Test management

- Test organization
- Planning and estimation
- Progress monitoring and control
- Configuration management
- Risk and testing
- Incident management
- Pop Quiz: Understanding project constraints
- Pop Quiz: Test team organizational structures
- Pop Quiz: Driving more accurate test estimates
- Pop Quiz: Choosing a test approach
- Interactive Session and Pop Quiz: Performing risk assessment
- Pop Quiz: Identifying incidents
- Hands-on Exercise: Write an incident report
- Hands-on Exercise: Perform a review session
- Interactive Session: Developing oracles

V. Test design techniques

- The test development process
- Specification-based techniques
- Structure-based techniques
- Experience-based techniques
- Selecting test techniques
- Pop Quiz: Using specification-based techniques
- Interactive Session: Review tests designed with equivalence partitioning
- Hands-on Exercise: Use equivalence partitioning as a test design method
- Hands-on Exercise: Use boundary value analysis to create tests
- Interactive Session: Analyze and map out complex logic in requirements
- Hands-on Exercise: Use a decision table to develop tests
- Interactive Session: Walk through a state model
- Hands-on Exercise: Use a state model to build tests
- Pop Quiz: Use case basics
- Interactive Session: Generate tests from use cases
- Interactive Session: Analyze code flow with control flow diagrams
- Hands-on Exercise: Develop structural tests for code and analyze coverage
- Pop Quiz: Differentiate experience-based techniques
- Pop Quiz: Choose a test technique

VI. Static techniques

- Static testing techniques
- The review process

- Static analysis by tools
- Review test sets to evaluate test design*
- Perform a peer review and feedback session
- (these practice sessions are embedded elsewhere to perform reviews on real targets)

VII. Tool support for testing

- Types of tools
- Effective use of tools
- Introducing tools into an organization
- Pop Quiz: Test frameworks
- Pop Quiz: Understanding probe effect
- Pop Quiz: Pros and cons of tools
- Pop Quiz: Piloting a tool

VIII. Course wrap-up

- Exam tips, procedures, and guidelines
 - Exam cram
 - Open review session
 - Practice exam review
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