

Get Noticed. Get Certified.

Jonathan Keleher, CTFL
Certified Software Tester

**CERTIFIED
TESTER**

ISTQB™ Certified Tester

Foundation Level



Software Tester Certification Certified Tester—Foundation Level Training

Empower Your Team

SPRING 2010 SCHEDULE

Toronto, ON	February 16–18, 2010	NJ/NY area	April 13–15, 2010
Mountain View, CA	February 23–25, 2010	Denver, CO	April 20–22, 2010
Atlanta, GA	February 23–25, 2010	Orlando, FL	April 25–27, 2010
Tampa, FL	March 2–4, 2010	Bethesda, MD	May 4–6, 2010
Raleigh, NC	March 9–11, 2010	Sacramento, CA	May 11–13, 2010
Scottsdale, AZ	March 9–11, 2010	Chicago, IL	May 17–19, 2010
Irvine/LA area, CA	March 16–18, 2010	Seattle, WA	May 18–20, 2010
Vienna, VA	March 16–18, 2010	Philadelphia, PA	May 18–20, 2010
San Diego, CA	March 22–24, 2010	Las Vegas, NV	June 6–8, 2010
Boston, MA	April 12–14, 2010	Albuquerque, NM	June 15–17, 2010
San Francisco, CA	April 13–15, 2010	Portland, OR	June 15–17, 2010

- **Basics of testing** – Goals and limits, risk analysis, prioritizing, completion criteria
- **Testing in software development** – Unit, integration, system, acceptance, and regression testing
- **Test management** – Strategies and planning, roles and responsibilities, defect tracking, and test deliverables

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On-site Training Available—For additional savings, bring this course to your organization for team training.



Why is certification important for you?

Become a certified software tester and...

- Increase your value in both your organization and the industry
- Stand out from your peers with your professional certification
- Demonstrate you have the knowledge and skills needed for your everyday software testing challenges
- Benefit from the most widely recognized and fastest-growing software tester certification in the world

Tester Certification Career Path	Foundation Level	Software Tester Certification— Foundation Level – 3 Days Also Available in eLearning Format	
	Advanced Level	Core Topics for Advanced Certification – 2 Days	
		Advanced Tester Certification— Test Analyst – 3 Days	Advanced Tester Certification— Test Manager – 3 Days

The "Core" course must be completed in conjunction with one of the three-day courses by anyone wanting to take one of the ISTQB Advanced Certification exams at the completion of the three-day course.

Foundation Level Certification

In the Software Tester Certification—Foundation Level training course, you will learn the essentials needed to become a software test professional and understand how testing fits into software development. Find out how testing can add significant value to software development. Study all the basic aspects of software testing, including a comprehensive overview of tasks, methods, and techniques for effectively testing software. In addition, learn the fundamental steps in the testing process: planning, analysis, design, implementation, evaluation, and reporting. Know what it takes to be a successful software test engineer.

Advanced Level Certification

Advanced certification is divided into three main career tracks: Test Manager, Test Analyst, and Technical Test Analyst. SQE Training offers a two-day "Core" course that covers the core topics for the advanced ISTQB™ certification. Additionally, we offer a three-day course that covers the topics in the Advanced Test Analyst syllabus and a three-day course covering the Advanced Test Management syllabus. The ISTQB™ Software Tester Certification—Foundation Level is a prerequisite for the ISTQB™ Advanced Level Certification. For more information, please contact our SQE Training Client Support Group at sqeinfo@sqe.com or call 888.268.8770 or 904.278.0524.

eLearning

The eLearning version of the Software Tester Certification—Foundation Level training is now available. This new self-paced and highly interactive course offers the same expert instruction and valuable content found in SQE Training's instructor-led classes. Course registration includes the following:



- Powerful multimedia format
- Interactive exercises
- Lesson questions
- End-of-course sample exam
- Complete course manual
- ISTQB™ exam study guide
- 90 days access to all course materials
- Access to expert test consultants and administrator

Take the Demo and sample the content at www.sqetraining.com/eSTFdemo

Exam Guarantee: Course registrants who do not pass the exam within 60 days of completing either the online or public course, will be provided with 45 days of free access to our online eSoftware Tester Certification—Foundation Level course for additional learning.



ON-SITE ADVANTAGE

Looking for ways to save training and travel dollars? Take advantage of the cost-effective convenience of on-site training to get your team the training they need without requiring them to sacrifice project schedules or incur travel time and expense. Our on-site training offers many benefits:

- **Savings**—Bring team training to your location to save time and money
- **Manageable workloads**—Schedule training around your projects, not the other way around
- **Customizable content**—Offer your team a training curriculum that adheres to your corporate goals, technology environment, and business needs
- **Consulting services**—Learn from instructors who are world-class consultants with exceptional qualifications and a broad range of real-world experience; augment your training programs with SQE Training's consulting services
- **Small groups**—Benefit from focused training that offers your team members individual attention with plenty of time for questions. Class sizes can range from 6–25 people
- **Employee development**—Develop the talent already on your team, increase employee satisfaction—and save company dollars

If you have six or more people to train, consider the advantages of on-site instruction.

For additional information, call 904.278.0524 or email onsitetraining@sqe.com

Delivered by top experts in the testing industry, Software Tester Certification—Foundation Level is an accredited training course designed to help prepare you for the ISTQB™ Certified Tester—Foundation Level exam. The ISTQB™ is the only internationally accepted certification for software testing. The ISTQB™, a non-proprietary and non-profit organization, has granted more than 115,000 certifications in more than 46 countries around the world.

Who Should Attend?

The Software Tester Certification—Foundation Level training course is most appropriate for individuals who recently have entered the testing field and for those currently seeking certification in software testing.

Exam Guarantee

Course registrants who do not pass the exam within 60 days of completing either the online or public course, will be provided with 45 days of free access to our online eSoftware Tester Certification—Foundation Level course for additional learning.

You Will Learn

The Software Tester Certification—Foundation Level course covers the topics needed to prepare you for the ISTQB™ Certified Tester—Foundation Level exam:

- **Fundamentals of software testing**—Concepts and context, risk analysis, goals, process, and psychology
- **Lifecycle testing**—How testing relates to development, including models, verification and validation, and types of tests
- **Static testing**—Reviews, inspections, and static tools
- **Test design techniques**—Black-box test methods, white-box techniques, error guessing, and exploratory testing
- **Test management**—Team organization, key roles and responsibilities, test strategy and planning, configuration management, defect classification and management
- **Testing tools**—Tool selection, benefits, risks, and classifications

EASY TO REGISTER



Online:
www.sqetraining.com/register



Phone:
888.268.8770
904.278.0524



Email:
sqeinfo@sqe.com

Course Outline

Fundamentals of Software Testing

Software context, why software fails
Why testing is required
Principles of testing
Debugging vs. testing
Scope and focus of testing
Understanding risk
Product (software) risks and project risks
Risk analysis, prioritizing using risk analysis
Goals of testing
Basic testing process
Test planning and control
Test analysis and design
Test implementation and execution
Evaluating exit criteria and reporting
Test closure activities
Test psychology—viewpoints on testing

Testing Throughout Software Development

Testing and development
Early testing
Models and testing
The “V” model
Iterative models
Verification and validation
Testing levels/stages within software development
Component (unit) testing
Integration testing
System testing
Acceptance testing
Maintenance testing
Understanding regression testing
Understanding test types
Functional testing
Non-functional testing
Structural testing
Confirmation and regression testing

Static Techniques

What is static testing?
Reviews, inspections, walkthroughs, etc.
General review process
Common types of reviews
Roles and responsibilities in reviews
Success factors for reviews
Limits of reviews
Understanding static analysis tools
Tool benefits

Test Design Techniques

Test design process
Overview of test design and the design approach
Documentation decision
Types and characteristics of documentation
Types of test design techniques
Black-box (functional) testing
White-box (structural) testing
Experienced-based techniques
Equivalence partitioning
Boundary analysis
Decision tables
State transition diagrams
Use cases and test design
Understanding control flow
Understanding paths and complexity
Coverage and what it means
Error guessing
Exploratory testing
Selecting the appropriate test technique

Test Management

Team organization
Roles and responsibilities
Understanding the test manager
Understanding the tester
Test planning
Planning and strategic thinking
Controlling the testing
Key strategic issues for test planning
Selecting a test approach
Understanding estimation
Test monitoring and reporting
Ending the testing, exit criteria
Configuration management and testing
Library controls
Change control
Defect/incident classification and management

Tool Support for Testing

Tool introduction
Tool selection process
Tool benefits
Tool risks and concerns
Tool classifications
Management tools
Static testing tools
Test specification tools
Test execution and logging tools
Performance and monitoring tools
Application area tools
Non-test specific tools



INSTRUCTOR

Dale Perry has more than thirty years of experience in information technology. He has been a programmer/analyst, database administrator, project manager, development manager, tester, and test manager. Dale's project experience includes large systems development and conversions, distributed systems, online applications, both client/server and Web-based. He has also been a professional instructor for more than fifteen years and has presented at numerous industry conferences on development and testing. With Software Quality Engineering for eleven years, Dale has specialized in training and consulting on testing, inspections and reviews, and other testing and quality related topics.

Additional instructors for this course include Rick Craig, Conrad Fujimoto, Dawn Haynes, Claire Lohr, Jamie Mitchell, Gary Mogyorodi, Eric Patel, Robert Sabourin, Ed Weller, and Mike Ennis.



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Re-route to Director of Software Development

New Spring 2010 Schedule

Software Tester Certification

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SOFTWARE TESTER CERTIFICATION

Foundation Level



ADVANCED SOFTWARE TESTER CERTIFICATION

Core Topics for Advanced Certification

Advanced Tester Certification— Test Analyst

Advanced Tester Certification— Test Manager

ON-SITE TRAINING

Training Course Fee Includes

- Tuition
- Course Notebook
- Continental Breakfasts and Refreshment Breaks
- Lunches
- Letter of Completion

Training Course Schedule

7:30 a.m. - 8:30 a.m.	Registration (on first day) and Continental Breakfast
8:30 a.m. - 12:00 p.m.	Course
12:00 p.m. - 1:00 p.m.	Lunch
1:00 p.m. - 5:00 p.m.	Course
3:30 p.m. - 5:00 p.m.	Exam (on third day of course)

Satisfaction Guarantee: SQE Training is proud to offer a 100% satisfaction guarantee. It's part of our commitment to provide you with the highest quality education and training products. If we are unable to satisfy you, we will gladly refund your registration fee in full. Course attendees who do not pass the exam within 60 days of completing the course will be provided with 45 days of free access to our online eSoftware Tester Certification—Foundation Level course for additional learning.

Public Training Policy: SQE Training reserves the right to make changes in course schedules, dates, locations, and accommodations and will make every effort to notify students within a reasonable period of time. However, SQE Training is not responsible for personal travel, accommodations, or other incidental expenses in connection with changes to a course. For questions or concerns, please call the Client Support Group at 888.268.8770 or 904.278.0524.

Cancellation Policy: Attendee substitutions are permitted. Registrants who fail to attend are subject to the full fee if they have not obtained a cancellation code from SQE Training at least 14 business days prior to the event start date. To obtain a cancellation code, call 904.278.0524 or 888.268.8770.

Register Early: The number of students per course is limited, and many courses fill to capacity. Register early to ensure your space in a given course.

Forms of Payment Accepted:

- Visa, MasterCard, or American Express
- Check or company purchase order is accepted. However, payment must be received before course registration is confirmed.

Confirmation: After payment, you will receive a confirmation notice containing course details (e.g., hotel, accommodations). Please bring the letter to the course for admittance.