

Get Noticed. Get Certified.

**NEW Fall
Schedule!**



Software Tester Certification Certified Tester—Foundation Level Training

Empower Your Team

FALL 2010 SCHEDULE

San Jose, CA	August 24–26, 2010	Raleigh, NC	October 12–14, 2010
Boston, MA	August 24–26, 2010	Omaha, NE	October 12–14, 2010
Charlotte, NC	Aug. 31–Sept. 2, 2010	San Francisco, CA	October 18–20, 2010
Washington, DC	September 13–15, 2010	Atlanta, GA	October 19–21, 2010
Minneapolis, MN	September 14–16, 2010	Pittsburgh, PA	October 19–21, 2010
Salt Lake City, UT	September 14–16, 2010	Austin, TX	October 26–28, 2010
Philadelphia, PA	September 21–23, 2010	Columbus, OH	October 26–28, 2010
St. Louis, MO	September 21–23, 2010	Bethesda, MD	November 2–4, 2010
San Diego, CA	September 26–28, 2010	Palm Bay, FL	November 2–4, 2010
Indianapolis, IN	September 28–30, 2010	Tampa, FL	November 8–10, 2010
Baltimore, MD	October 5–7, 2010	Sunnyvale, CA	November 16–18, 2010
Toronto, ON	October 5–7, 2010	Phoenix, AZ	Nov. 30–Dec. 2, 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'll learn the basic skills required of a software test professional and how testing fits into software development. Find out what it takes to be a successful software tester and how testing can add significant value to software development projects. 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, yet it's completed online at your own pace and availability. 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 from the date of purchase
- Access to expert test consultants and administrator

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

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.



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 135,000 certifications in more than 46 countries around the world.

Who Should Attend?

The Software Tester Certification—Foundation Level training course is 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**—key concepts, context, risk, goals, process, and people issues
- **Lifecycle testing**—relationship of testing to development, including different models, verification and validation, and types of testing
- **Static testing**—reviews, inspections, and static tools
- **Test design techniques**—black-box test methods, white-box testing, and exploratory testing
- **Test management**—team organization, key roles and responsibilities, test approach and planning, configuration management, defect classification and tracking, test reporting
- **Testing tools**—selection, benefits, risks, and classifications
- **Test levels**—system, acceptance, unit, and integration testing

EASY TO REGISTER



Online:
www.sqetraining.com/register



Phone:
888.268.8770
904.278.0524



Email:
sqeinfo@sqe.com

Course Outline

Introduction

- Fundamentals of software testing
- Software context—Why does software fail?
- Why testing is required
- Debugging vs. testing
- Principles, scope, and focus of testing
- Understanding risk
- Product (software) risks and project risks
- Identifying and analyzing project and product risks
- 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
- Test levels—unit, integration, system, acceptance
- 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
- Human/experience-based methods
- Black-box (functional) techniques
- White-box (structural) techniques
- 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 and strategy
- 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 Mogorodi, Eric Patel, Robert Sabourin, Ed Weller, and Mike Ennis.



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New Fall 2010 Schedule

Software Tester Certification

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SOFTWARE TESTER CERTIFICATION

Foundation Level



eLearning

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.

Payment Policy: Payment is due upon registration. Seats are not confirmed until payment is received.

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.