

SOFTWARE QUALITY ASSURANCE & TESTING CERTIFICATION



CERTIFIED TESTER – FOUNDATION & ADVANCED LEVEL TRAINING

COURSE CATALOG

TRAINING INVESTMENT = BUSINESS INVESTMENT



2011 SCHEDULE – FOUNDATION & ADVANCED LEVEL CERTIFICATION COURSES

Nairobi, Kenya	January 17-19, 2011
Dares Salaam, Tanzania	January 24-26, 2011
Kampala, Uganda	January 31 - February 2, 2011
Lagos, Nigeria	February 21-23, 2011
Nairobi, Kenya	April 11-13, 2011
Kigali, Rwanda	May 18-20, 2011
Kampala, Uganda	May 25-27, 2011
Kampala, Uganda	August 8-10, 2011
Kigali, Rwanda	September 12-14, 2011
Nairobi, Kenya	September 5-7, 2011*
Nairobi, Kenya	October 10-12, 2011
Dares Salaam, Tanzania	October 17-19, 2011

- Basic 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

* Advanced Level Course

Onsite Training Available – For additional savings, bring our courses 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	
	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. TEZZA BUSINESS SOLUTIONS 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 Account Executives at info@tezzasolutions.com or via phone at +254 20 816 4340, +254 20 816 4341



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 Tezza Business Solutions’ 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 more information, please contact our Account Executives at info@tezzasolutions.com or via phone at +254 20 816 4340, +254 20 816 4341

TESTER CERTIFICATION - FOUNDATION LEVEL

3-day Course: \$1500.00

Group pricing available, call:

+254 20 816 4340 | +254 20 816 4341

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?

This course is aimed at anyone who wants a basic understanding of software testing, such as Testers, Test Analysts, Test Engineers, Test Consultants, Test Managers, User Acceptance Testers, and Software Developers. It is also appropriate for Project Managers, Quality Managers, Software Development Managers, Business Analysts, IT Directors and Management Consultants.

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

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





ISTQB Advanced Software Testing

Why advanced?

The Advanced Level qualification is aimed at people who have achieved an advanced point in their careers in software testing. This includes people in roles such as testers, test analysts, test engineers, test consultants, test managers, user acceptance testers and software developers. This Advanced Level qualification is also appropriate for anyone who wants a deeper understanding of software testing, such as project managers, quality managers, software development managers, business analysts, IT directors and management consultants. To receive Advanced Level certification, candidates must hold the Foundation Certificate and satisfy the Exam Board which examines them that they have sufficient practical experience to be considered Advanced Level qualified. Refer to the relevant Exam Board to understand their specific practical experience criteria.

Advanced Level Test Management professionals should be able to:

- Define the overall testing goals and strategy for the systems being tested
- Plan, schedule and track the tasks
- Describe and organize the necessary activities
- Select, acquire and assign the adequate resources to the tasks
- Select, organize and lead testing teams
- Organize the communication between the members of the testing teams, and between the testing teams and all the other stakeholders
- Justify the decisions and provide adequate reporting information where applicable

Advanced Level Technical Test Analyst

Advanced Level Technical Test Analysts should be able to:

- Structure the tasks defined in the test strategy in terms of technical requirements
- Analyze the internal structure of the system in sufficient detail to meet the expected quality level
- Evaluate the system in terms of technical quality attributes such as performance, security, etc.
- Prepare and execute the adequate activities, and report on their progress
- Conduct technical testing activities
- Provide the necessary evidence to support evaluations
- Implement the necessary tools and techniques to achieve the defined goals





"COTS" is a term used to describe "commercial off-the-shelf" software. COTS applications are becoming increasingly more popular for solving mission and business objectives because the development effort is performed by the vendor of the product instead of a customer's internal staff. However, the customer and users of the product have a huge responsibility to ensure that the application will work correctly in the operational environment after it is integrated.

COTS applications can be seen in single standalone implementations or integrated with other applications to form a COTS-based implementation. Some of the challenges this course will address are:

- How to design tests for an application that does not have defined requirements available
- How to design tests that validate the support of the organization's mission processes
- How to evaluate the completeness of the testing effort in terms of test coverage
- How to estimate the testing effort if you don't have time to count function points or lines of code
- How to test the integration of a COTS application with other COTS or in-house products, including the "glue" that an organization develops for custom integration efforts
- How to test COTS customization and vendor extensions
- How to test user manuals and operating procedures provided by the vendor
- How to design tests that can deal with future product versions

This course is designed to teach the process of planning, performing and evaluating the testing of COTS applications in a way that customers can easily learn and apply.

Return on Investment

- Find gaps in support of your operational processes by COTS application.
- Have an increased level of confidence in your new COTS application before it is implemented for production use.
- Validate that the vendor has fulfilled delivery requirements.
- Add a new perspective of testing knowledge to your existing skill set.
- Learn how to design tests that adequately cover requirements and business events.
- Advance your career by reinforcing your testing expertise.

Who Will Benefit

- Business End-Users
- Test Managers
- Test Team Leaders
- Test Engineers
- Test Designers and Analysts
- Testers
- End-users
- Software Developers
- IT End-Users
- Business Decision Makers

QUALITY MATTERS

Country	Month	InHouse /Public	Course	# OF DAYS	Dates	Course Fee	Key	
NAI	JAN	IH	Software QA & Testing Boot Camp	3	17th - 19th	\$1,500	NAI	NAIROBI
NAI	JAN	IH	Testing Commercial Off-The Shelf Applications (COTS)	2	20th - 21st	\$850	TZ	TANZANIA
TZ	JAN	IH	Software QA & Testing Boot Camp	3	24th - 26th	\$1,500	UG	UGANDA
TZ	JAN	PU	Testing Commercial Off-The Shelf Applications (COTS)	2	27th - 28th	\$850	RW	RWANDA
UG	JAN	PU	Software QA & Testing Boot Camp	3	31st - 2nd	\$1,500	NG	NIGERIA
UG	FEB	PU	Testing Commercial Off-The Shelf Applications (COTS)	2	3rd - 4th	\$850		
NG	FEB	PU	Software QA & Testing Boot Camp	3	21st - 23rd	\$1,500	IH	IN-HOUSE TRAINING
NG	FEB	PU	Testing Commercial Off-The Shelf Applications (COTS)	2	24th - 25th	\$850	PU	PUBLIC TRAINING
NAI	MAR	PU	Kenya	3	7th - 9th		# OF DAYS	COURSE DURATION
NAI	MAR	PU	How to Test Web Applications	2	10th - 11th	\$850		
TZ	MAR	PU	Tanzania	3	14th - 16th			
TZ	MAR	PU	How to Test Web Applications	2	17th - 18th	\$850		
UG	MAR	IH	Uganda - InHouse Training	3	21st - 23rd			
UG	MAR	PU	How to Test Web Applications	2	24th - 25th	\$850		
NAI	APR	IH	Software QA & Testing Boot Camp	3	11th - 13th	\$1,500		
NAI	APR	PU	Fundamentals of Software Testing (Credit)	1	14th	\$650		
NAI	APR	IH	Testing Throughtout The Lifecycle (Credit)	1	15th	\$650		
TZ	APR	PU	Testing Commercial Off-The Shelf Applications (COTS)	2	18th - 19th	\$850		
TZ	APR	PU	Fundamentals of Software Testing (Credit)	1	20th	\$650		
TZ	APR	PU	Testing Throughtout The Lifecycle (Credit)	1	21st	\$650		
TZ	APR	PU	Writing Testable Business Requirements	1	22nd	\$750		
RW	MAY	PU	How to Test Web Applications	2	16th - 17th	\$850		
RW	MAY	PU	Software QA & Testing Boot Camp	3	18th - 20th	\$1,500		
UG	MAY	PU	How to Test Web Applications	2	23rd - 24th	\$850		
UG	MAY	PU	Software QA & Testing Boot Camp	3	25th - 27th	\$1,500		
NAI	JUN	PU	Kenya	3	13th - 15th			
NAI	JUN	PU	How to Test Web Applications	2	16th - 17th	\$850		
TZ	JUN	PU	Tanzania	3	20th - 22nd			
TZ	JUN	PU	How to Test Web Applications	2	23rd - 24th	\$850		
UG	JUN	IH	Uganda - InHouse Training	3	27th - 29th			
UG	JUN	PU	How to Test Web Applications	2	30th - 1st	\$850		
NAI	AUG	IH	Test Design Techniques/Developing Reusable Test designs (Credit)	2	1st - 2nd	\$750		
NAI	AUG	PU	Software Inspections and Reviews for QA Professionals (Credit)	1	3rd	\$650		
NAI	AUG	IH	Test Management, Test Planning & Estimation (Credit)	1	4th	\$650		
NAI	AUG	PU	Test Automation & Tools Support (Credit)	1	5th	\$650		
UG	AUG	PU	Software QA & Testing Boot Camp	3	8th - 10th	\$1,500		
UG	AUG	PU	Testing Commercial Off-The Shelf Applications (COTS)	2	11th - 12th	\$850		
NAI	SEP	PU	Advanced Software Testing	3	5th - 7th	\$1,500		
NAI	SEP	PU	Testing Commercial Off-The Shelf Applications (COTS)	2	8th - 9th	\$850		
RW	SEP	PU	Software QA & Testing Boot Camp	3	12th - 14th	\$1,500		
RW	SEP	PU	Testing Commercial Off-The Shelf Applications (COTS)	2	15th - 16th	\$850		
NAI	OCT	PU	Software QA & Testing Boot Camp	3	10th - 12th	\$1,500		
NAI	OCT	PU	QA roles and responsibilities within a Project Lifecycle	1	13th	\$750		
NAI	OCT	PU	Selecting and Executing the Most critical test cases	1	14th	\$650		
TZ	OCT	PU	Software QA & Testing Boot Camp	3	17th - 19th	\$1,500		
TZ	OCT	PU	QA roles and responsibilities within a Project Lifecycle	1	20th	\$750		
TZ	OCT	PU	Selecting and Executing the Most critical test cases	1	21st	\$850		
NAI	NOV	PU	Testing Commercial Off-The Shelf Applications (COTS)	2	7th - 8th	\$850		
NAI	NOV	PU	Fundamentals of Software Testing (Credit)	1	9th	\$650		
NAI	NOV	PU	Testing Throughtout The Lifecycle (Credit)	1	10th	\$650		
NAI	NOV	PU	Writing Testable Business Requirements	1	11th	\$650		
TZ	NOV	PU	Test Design Techniques/Developing Reusable Test designs (Credit)	2	14th - 15th	\$750		
TZ	NOV	PU	Software Inspections and Reviews for QA Professionals (Credit)	1	16th	\$650		
TZ	NOV	PU	Test Management, Test Planning & Estimation (Credit)	1	17th	\$650		
TZ	NOV	PU	Test Automation & Tools Support (Credit)	1	18th	\$650		

WHAT TO EXPECT & COURSE BOOKING



Training Course Fee Includes

- Tuition
- Course Notebook and/or CD of presentation materials
- Refreshment Breaks
- Lunches
- Certificate of Completion

Training Course Schedule

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

Public Training Policy : Tezza Business Solutions reserves the right to make changes in course schedules, trainers, dates, locations, and accommodations and will make every effort to notify students within a reasonable period of time. However, Tezza Business Solutions is not responsible for personal travel, accommodations, or other incidental expenses in connection with changes to a course.

For questions or concerns, please call **+254 20 816 4340, +254 20 816 4341**

Cancellation Policy : Attendee substitutions are permitted. Registrants who fail to attend are subject to the full fee if they have not cancelled at least 20 business days prior to the event start date.

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 : We can accept the following payment options:

- 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.

COURSE BOOKING

To book a place in any of our upcoming courses or to receive further information about Tezza Business Solutions' courses and services please contact us:

KENYA

87 Rhapsa Road
Westlands - Nairobi,
Kenya

O: +254 20 816 4340 | +254 20 816 4341

E-mail : info@tezzasolutions.com

REGISTER NOW



Online:
www.softwaretestingafrica.com



Phone:
+254 20 816 4340
+254 20 816 4341



E-mail:
info@tezzasolutions.com

SOFTWARE QUALITY ASSURANCE & TESTING

Tezza Business Solutions LLC is a U.S. based Business Solutions Company (with a local presence in Kenya, Nigeria, Tanzania and Uganda) with specialization in providing personalized Software Quality Assurance and Software Testing Services within a streamlined phased delivery channel. We operate as a Limited Liability Company in the following countries - Kenya, Nigeria, Tanzania and Uganda.

WHY ?

To ensure overall quality, consistency in delivery, reduced production and implementation costs and most importantly, to ensure customer satisfaction, organizations that develop or consume off-the-shelf software must setup and adhere to stringent Quality Assurance and Software testing processes and practices.

The purpose of Software Quality Assurance within any organization is to provide management with appropriate visibility into the processes being used by the software development group and the products they build. Software Quality Assurance involves reviewing and auditing software products and activities to verify that they comply with the applicable procedures and standards and providing the software project team and other appropriate managers with the results of these reviews and audits.

To facilitate audit and verification of work, Organizations must establish Quality Control measures of which, Software Testing is paramount. Quality Control is a set of activities designed to evaluate a developed system and Software Testing is the process of executing a system with the intent of finding defects.

OUR OFFICES

KENYA

87 Rhapta Road
Westlands - Nairobi,
Kenya

O: +254 20 816 4340
+254 20 816 4341

NIGERIA

Ivory Learning Academy
Plot 1008, Theodak Plaza, 4th Floor, Suite 412,
National Hospital Road Central Area,
Abuja.

O: +234 9-4614859
M: +234 802 595 0604 | +234 803 627 4911
E-mail: enquiries@ivorylearningacademy.com | info@tezzasolutions.com

TANZANIA

Learnit Institute of Business and Technology
1st Floor, Lumumba Complex,
P.O.Box 20032, Dar es Salaam,
Tanzania

T: +255 218 0615, 218 0618
M: +255 713 333 870
F: +255 218 0618
Email: info@learnit.co.tz | info@tezzasolutions.com

UGANDA

Plot 9 Martyrs Road
P.O. BOX 5871
Ntinda, Uganda

O: +256 312 108 322
M: +256 772 583 788
+256 787 008 987



REGISTER NOW



Online:
www.softwaretestingafrica.com



Phone:
+254 20 816 4340
+254 20 816 4341



E-mail:
info@tezzasolutions.com