

## Automated Testing Boot Camp

Solutions, tools, methodologies, and practices for automated quality control.

### Course Description

A 5-day immersion learning targeted at software testing automation for recent graduates and entry level IT professionals. This course provides hands-on training for up-and-coming software test professionals and for IT professionals who are new to the world of automated testing.

### Course Completion

Upon successful completion of this boot camp, participants are equipped as knowledgeable testers who understand the issues, tools, and processes for effectively performing automated testing using Selenium and Rational Functional Tester.

### Course Instructors

The instructors are specialists in quality assurance, agile concepts, and automated testing.

### Course Objectives

This course will cover the terminology, processes, and challenges of automated testing with a focus on federal government applications. This boot camp enables learners to transfer skills into action. Participants will gain a deeper understanding of the testing process from beginning to end and will produce real world automated testing plans, execute automated tests, and deliver testing results.

Participants will learn feasibility analysis, tool selection, test automation architecture evaluation, and will develop, execute, and analyze automated test scripts. The course will cover materials from widely recognized Testing Bodies of Knowledge (TBOK). Upon completion, participants will have a working knowledge of automated software testing including how to design and conduct an effective automated test plan using Rational Functional Tester or Selenium.

### VALUE SUMMARY

- ✓ Leverage Selenium and Rational Functional Tester
- ✓ Perform Real World Testing
- ✓ Understand Software Development and Testing Lifecycles

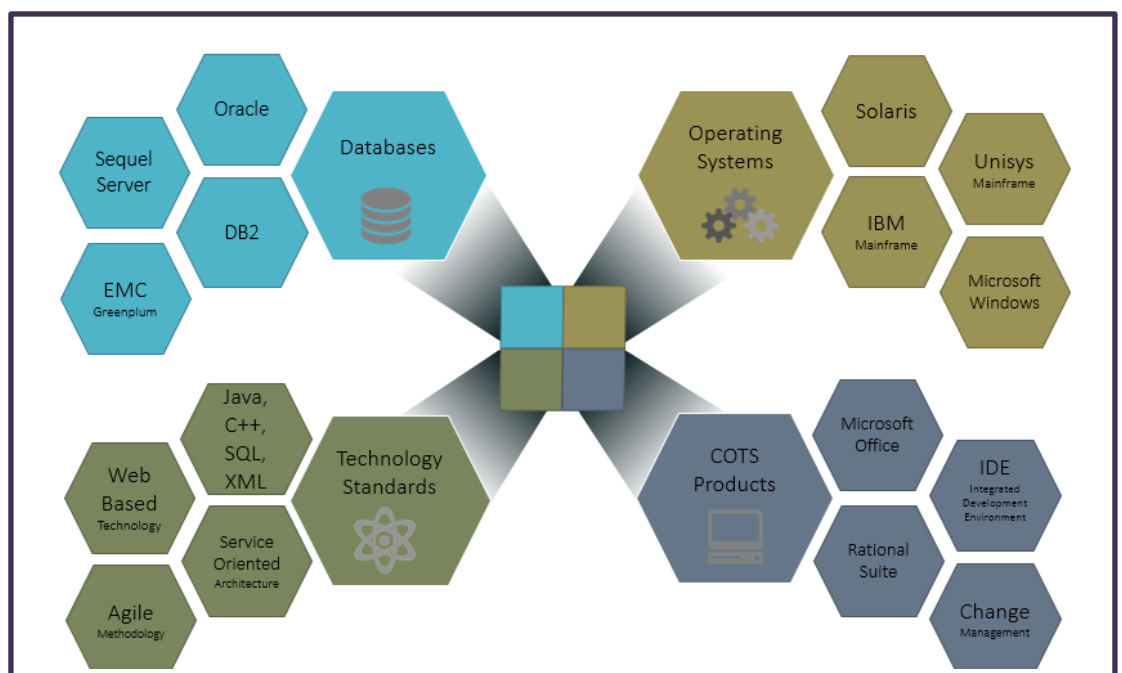
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## 5-Day Boot Camp Syllabus

- ✓ **Prerequisites:** Experience as part of a software project in school or work environment.
- ✓ **Duration:** The total training time is 5 full days.
- ✓ **Location:** In-Person and Virtual available
- ✓ **Objectives:**
  - Write automated tests using Selenium and Rational Functional Tester
  - Learn principles of effective Test Automation
  - Experience various techniques of writing automated tests
  - Understand the difference between various levels of test automation
  - Apply the knowledge you gain into real Life examples

✓ **Syllabus:**

- **Module 1:** Introduction to the Testing and Test Automation
- **Module 2:** Testing Fundamentals

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- **Module 3:** Test Planning and Preparation
- **Module 4:** Test Execution

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- **Module 5:** Automated Testing
- **Module 6:** Testing Case Studies

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- **Module 7:** Lab Testing using Selenium
- **Module 8:** Lab Testing using Rational Functional Tester

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- **Module 9:** Final Project Real World Test Automation

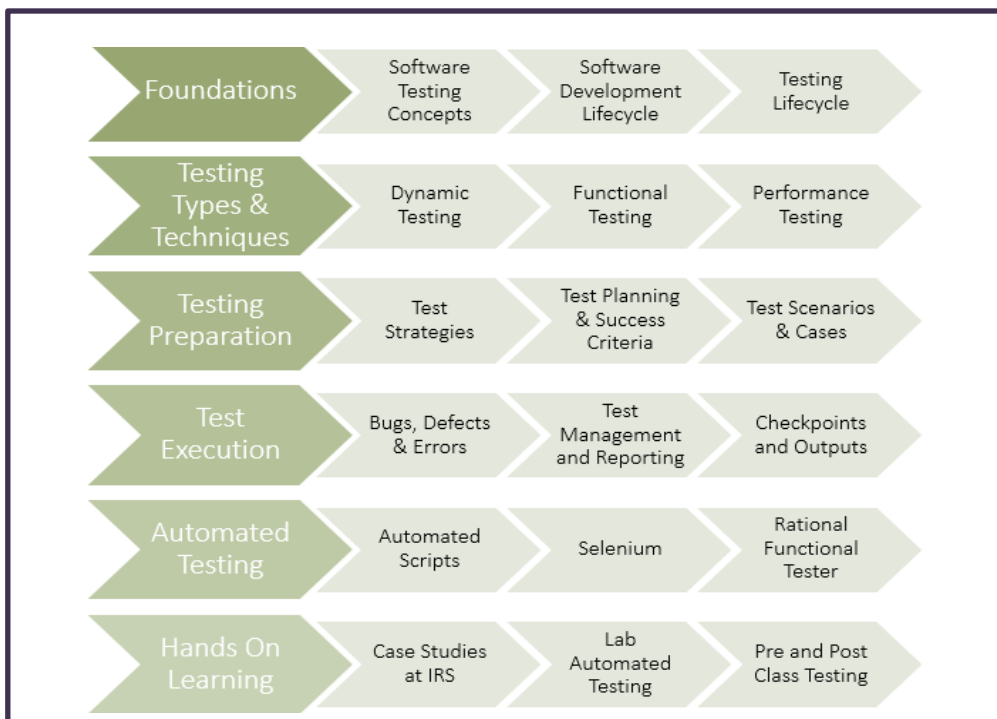
Day 1

Day 2

Day 3

Day 4

Day 5



## Case Studies

**Group Case Study.**  
Automated Testing between three software components to be integrated.

**Individual Case Study.**  
Testing Automation of a Soon-To-Be launched system.

## Pre & Post Course Test

**Pre-Test.**  
Allows participants to understand the knowledge base and where to focus within the course.

**Post-Test.**  
Confirm readiness to put automated testing skills to work.

## Self-Guided Study

**Homework.**  
Java basics are needed before labs. Self-guided Java basics study is provided if needed.

## Final Presentation

**Practice.**  
Present your test strategy and execution plan and acquire feedback for improvements.

## VALUE SUMMARY

- ✓ In-Person or Virtual Training
- ✓ 5 days of hands-on experience
- ✓ 10 testing modules covering full lifecycle of automated testing

## LEARN MORE ONLINE

Information about Citizant is available at [www.citizant.com](http://www.citizant.com)