# Agile Test Automation

## Duration

**In-person:** 2 days
**LiveOnline:** 3 sessions of 4.5 hours

## Intended for

- Test Analysts in Agile projects
- Analysts
- Developers and Technical Testers interested in test automation should consider our Agile Programming Techniques course.

## Prerequisites

To get the most out of this course, you will need an understanding of fundamental agile and testing concepts. These are covered in our Agile Fundamentals, ISTQB Foundation in Software Testing and Agile Testing courses.

**Would automation add value to your test team? This course examines the application of automated testing in teams working in an Agile environment.**

This course delves into the specific automation practices and techniques used on Agile projects, explains the theory and concepts behind the Agile automation approach and will help to free up more time which can be directed to higher value testing activities.

## Learning outcomes

By the end of this course you will understand:

- The background to test automation in an Agile project
- The roles and responsibilities for automation in a typical Agile testing team
- The various tool frameworks available to Agile teams to facilitate the testing of the project
- How discipline and standards contribute to effective automation
- How to use underlying tools and technologies commonly used by Agile teams

## Content

- The Agile culture and mindset
- Test automation strategy
  - Automation pyramid
  - Planning
  - Frameworks
  - Selecting testing tools
  - Supporting processes
- Continuous integration
  - Automated test cycles
  - Code analysis/metrics
- Automating testing
  - Test levels
  - Mapping tests
  - ATDD and BDD frameworks
  - UI testing frameworks
- Automation support for integration and system testing
  - Data management
  - Exploratory testing
  - Non-functional testing
  - Virtualisation

## Method used

Lecturing is kept to the minimum necessary, most of the learning is achieved by applying the practices and techniques in group exercises.

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## Delivery

This program is offered as a classroom-based course as well as a LiveOnline program. Our LiveOnline delivery is over three days (each four and a half hours in duration). The instructor is live and interaction and learning objectives are the same as our in-person classes with the added benefit of being able to take this course from your home, your office or your home office.  We use Zoom for our LiveOnline classes.  Zoom is an easy to use and reliable cloud platform and we have in place robust security settings to ensure our users and their privacy are protected. For more information please check out our FAQ page.

## Certification

ICAgile accredited course: The ICP-ATA Certification from ICAgile is granted on the successful completion of this course. This certification is part of the ICAgile Agile Testing Track along with our Agile Fundamentals and Agile Testing courses.

We offer the complete ICAgile Agile Testing Track for those looking to become an ICAgile Certified Expert in Agile Testing (ICE-AT).

## PDUs

This course will contribute 14 PMI® professional development units (PDUs) towards your chosen certification (1 leadership hour, 1 strategic hour and 12 technical hours).

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