

Test Automation with Python | PyTest Essentials (TTPS4832)

Price: 2195

Duration: 3 days

Delivery Methods: Virtual

Overview

Test Automation with Python / PyTest Essentials is a three day, hands-on course geared for QA professionals and testers with basic Python expertise that explores automated testing with PyTest. You'll gain proficiency in writing clear and effective automated tests, organizing and managing test cases, and utilizing PyTest's fixtures for optimal configuration of test environments. You'll also explore interpreting test reports for actionable insights and employing best practices for maintainable test suites. The program emphasizes practical, hands-on experience, guided by an expert, with 50% of the course dedicated to interactive labs, ensuring that you'll develop real-world skills that are directly applicable to their daily work in modern business enterprises.

Throughout the course you'll learn and practice with core functionalities of PyTest, such as parameterization to maximize test coverage and the use of markers for test selection. By exploring PyTest's powerful built-in features, you'll learn how to streamline your testing process and learn how to work with complex testing scenarios. The focus on organizing tests and adopting PyTest conventions will provide you with an in-depth, practical understanding of efficient test structuring, critical for swift troubleshooting and agile adaptation in fast-paced development environments. Lastly, you'll learn how to apply these skills in a practical way, making you job ready right after class. You'll exit this course equipped with the skills required to construct robust test suites and advance your testing capabilities.

Audience Profile

This is an introductory-level course geared for QA, Test team members and others who want to use the Python testing framework PyTest to implement code testing strategies. Attendees should have prior basic Python scripting experience. Students should have some familiarity with tools to be used in this course: PyCharm, Jupyter Notebook and basic GIT.

At Course Completion

This course combines engaging instructor-led presentations and useful demonstrations with valuable hands-on labs and engaging group activities. Throughout the course you'll explore:

Become proficient with pytest from day one by solving real-world testing problems

Use pytest to write tests more efficiently

Scale from simple to complex and functional testing

Write and run simple and complex tests

Organize tests in files and directories

Find out how to be more productive on the command line

Markers and how to skip, xfail and parametrize tests

Explore fixtures and techniques to use them effectively, such as tmpdir, pytestconfig, and monkeypatch

Convert unittest suites to pytest using little-known techniques

If your team requires different topics, additional skills or a custom approach, our team will collaborate with you to adjust the course to focus on your specific learning objectives and goals.

Outline

Please note that this list of topics is based on our standard course offering, evolved from typical industry uses and trends. We'll work with you to tune this course and level of coverage to target the skills you need most. Topics, agenda and labs are subject to change, and may adjust during live delivery based on audience skill level, interests and participation.

Prerequisites

Take Before: Students should have incoming practical skills aligned with those in the course(s) below, or should have attended the following course(s) as a pre-requisite:

Python Programming Basics (3 days)

Course Schedule

Date	Time	Price	Options
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FAQ

What if I have to reschedule my class due to conflict?

Ten (10) business days' notice is required to reschedule a class with no additional fees. Notify TOPTALENT LEARNING as soon as possible at 469-721-6100 or by written notification to info@toptalentlearning.com to avoid rescheduling penalties.

How do I enroll for this class?

Please contact our team at 469-721-6100; we will gladly guide you through the online purchasing process.

What happens once I purchase a class?

You will receive a receipt and an enrollment confirmation sent to the email you submitted at purchase. Your enrollment email will have instructions on how to access the class. Any additional questions our team is here to support you. Please call us at 469-721-6100.

What is your late policy?

If a student is 15 minutes late, they risk losing their seat to a standby student. If a student is 30 minutes late or more, they will need to reschedule. A no-show fee will apply. Retakes are enrolled on a stand-by basis. The student must supply previously issued courseware. Additional fees may apply.

What happens when I finish my class?

You will receive a 'Certificate of Completion' once you complete the class. If you purchased an exam voucher for the class, a team member from TOPTALENT LEARNING will reach out to discuss your readiness for the voucher and make arrangements to send it.