

# Python - The basics of testing with Python

Course code: PYTHON\_TEST

The course participant will be able to use the Python programming language to automate routine actions and will be able to use and engage modern software development practices based on testing. We'll also talk about optimizations, why some modules are more powerful than Python's built-in features, and a lot more.

Affiliate	Duration	Course price	ITB
Praha	3	1 650 Kč	30
Brno	3	1 650 Kč	30
Bratislava	3	660 €	30

The prices are without VAT.

## Course terms

Date	Duration	Course price	Type	Course language	Location
14.10.2026	3	1 650 Kč	Presence	CZ/SK	GOPAS Praha
14.10.2026	3	1 650 Kč	Online	CZ/SK	Online
14.10.2026	3	660 €	Online	CZ/SK	Online

The prices are without VAT.

## For whom the course is intended:

- For beginner developers who want to learn Python programming.

## Required entry skills

- Basic knowledge of the Python language at the level of the PYTHON\_INTRO course

## Teaching methods

- Expert interpretation with practical examples, exercises on computers.

## Studying materials

- Printed presentations of the discussed material.

## Syllabus

Python basics

Test Driven Development (TDD) in Python

- Introduction to TDD
- Development environment settings
- Best practices

Testing REST and SOAP services

- API types and REST/SOAP overview
- Python modules for API testing
- GET REST API
- POST REST API
- PUT REST API
- DELETE REST API

Mocking and faking in Python

- What is Mocking?
- Mock Python library
- Faking object

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# Python - The basics of testing with Python

- Lazy attributes and methods
- Assertions and Inspection

Pipelines, task scheduling and CI/CD

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