# Introduction to Python Programming Basics (TTPS4800)

**Price:** 1995

**Duration:** 3 days

**Delivery Methods:** Virtual

## Overview

### About this Course

Python is one of the most versatile, popular programming languages in use today. You can leverage Python in almost every industry, in a wide array of applications from system administration to machine learning, from automation to web services, from data analysis to visual effects. Compared to other programming languages, Python is relatively easier to learn and use, providing a wide variety of opportunities for students of all skill levels and roles.

A core component of our Python SkillJourney skills-immersion series, Introduction to Python Programming Basics is a highly-rated, hands-on training course that has provided thousands of students with the skills required to quickly and easily put Python to work in their job, task or project. This three-day, jumpstart-style course provides an excellent start for users new to Python, enabling them to use their new skills immediately and providing the broad foundation for continued Python learning in their particular industry.

### Audience Profile

This course is geared for technical users who are new to Python. Roles might include developers, software engineers, data analysts who want to enhance data processing, system administrators and web site administrators who want to use Python to support their server installations, developers who want more efficient web solutions, as well as anyone else who wants to automate or simplify common tasks with the use of Python scripts.

**At Course Completion**

Working in a hands-on learning environment led by our engaging expert instructor you'll learn how to:

Create working Python scripts following best practices

Use python data types appropriately

Read and write files with both text and binary data

Search and replace text with regular expressions

Get familiar with the standard library and its work-saving modules

Use lesser known but powerful Python data types

Work with dates, times, and calendars

Know when to use collections such as lists, tuples, dictionaries, and sets

Understand Pythonic features such as list comprehensions and generators

Write robust code using exception handling

Work with basics for network programming

Create and use virtual environments

This course is rich with hands-on activities, challenge labs, knowledge checks, valuable discussions and focused projects that can be done individually or in groups. Guided by our engaging, highly-experienced instructor, you'll work within our user-friendly Learning Experience Platform (LXP) that combines the best aspects of in-person live training with our robust hands-on online environment. You'll have extensive opportunities for live engagement, practice and review. You'll exit this program equipped with the knowledge, skills and confidence needed to put your new Python skills right to work.

**Prerequisites**

To ensure a smooth learning experience and maximize the benefits of attending this course, you should have the following prerequisite skills:

At least some prior hands-on experience with scripting or programming. You don't need to be an expert in either, but you should have had some exposure and should be coming from a technical background.

Working with Unix or Linux, and familiarity with using the command line interface for simple tasks, such as file navigation and executing commands.

Basic familiarity working with text editors like Notepad, or IDEs, would be helpful as the course includes hands-on lab sessions requiring code editing.

## Course Schedule

| Date | Time | Price | Options |
|------|------|-------|---------|
| 07/13/2026 | 09:00 AM - 05:00 PM CT | 1,995.00 | Buy Now  Enroll |

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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.