

Mastering Python Programming Boot Camp (TTPS4820)

Price: 2495

Duration: 5 days

Delivery Methods: Virtual

Overview

As a cornerstone of our Python SkillJourney series, our Mastering Python Programming Boot Camp stands as a top-tier training experience, acclaimed for transforming Python novices into capable developers. Whether you aim to streamline routine tasks through automated Python scripts or venture into the world of web development, this course serves as both a launchpad and a compass, guiding you toward exciting horizons in analytics, data science, machine learning, and beyond.

Working in a hands-on learning environment, you'll be guided through an immersive journey from Python's foundational elements, like script writing and running, all the way to its more sophisticated capabilities – think file operations, regular expressions, and binary data manipulation. We place particular emphasis on Python-exclusive features, such as tuples, array slices, and nuanced output formatting, ensuring that you not only know Python but know it well. The curriculum is designed for practicality, immersing you into Python's extensive module functionality and ensuring that your learning translates directly into real-world task execution.

The course is rich with hands-on activities, challenge labs, knowledge checks, valuable discussions and focused projects that can be done individually or in groups. You'll exit this program equipped with the knowledge, skills and confidence needed to put your new Python skills right to work.

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.

If you are coming from a non-technical background, you might consider the TTPS4803: Python for Everyone: Getting Started with Python Basics for Non-Developers (4 days) as an alternative to this course.

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 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

Create real-world, professional Python applications

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

Create and use virtual environments

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	2,495.00	Buy Now Enroll

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FAQ

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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?

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