



PYTHON TRAINING

Python Automation Course

Automate repetitive tasks and streamline workflows with Python. Master scripting for efficiency and productivity.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

Unlock the power of efficiency with Computer Pride's Intermediate Python Automation Course! In just 2 hours, this intensive program is designed for individuals eager to transform tedious, repetitive tasks into streamlined, automated processes. You will delve into core Python libraries and techniques for automating file management, data processing, web interactions, and even GUI-based applications. This course focuses on practical, hands-on application, enabling you to write scripts that save significant time and reduce manual errors.

This course is ideal for professionals across various sectors looking to enhance their productivity and problem-solving skills. By mastering Python for automation, you will gain a competitive edge, demonstrating the ability to innovate and optimize workflows within your organization. Prepare to leave with tangible skills that directly translate into improved operational efficiency and a more strategic approach to daily tasks, making you an invaluable asset in any modern workplace.

Duration	2 hours
Level	Intermediate
Vendor	Python

COURSE CURRICULUM

01 Module 1: Foundations of Python Automation

- Introduction to automation concepts and Python's role
- Setting up your automation environment
- Basic file and directory manipulation (creating, deleting, moving)
- Working with path objects and OS interactions

02 Module 2: Automating Data Handling

- Reading and writing CSV files programmatically
- Automating Excel spreadsheets (reading, writing, modifying cells)
- Parsing text files and extracting specific information

03 Module 3: Web and GUI Automation Basics

- Introduction to web scraping fundamentals (requests, BeautifulSoup)
- Basic interaction with web forms and pages (demonstration)
- Automating mouse and keyboard actions with PyAutoGUI
- Building simple, repetitive GUI automation scripts

04 Module 4: Real-World Automation Scenarios & Best Practices

- Automating email sending and attachment handling
- Scheduling automation scripts for execution
- Error handling and logging in automation scripts
- Project: Building a practical automation script for a common task

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior Automation Engineer**
- > **Data Operations Specialist**
- > **Business Process Automation Analyst**

FREQUENTLY ASKED QUESTIONS

Q: What are the prerequisites for enrolling in this Intermediate Python Automation Course?

This course assumes a foundational understanding of Python programming concepts, including variables, data types, control flow (if/else, loops), functions, and basic data structures (lists, dictionaries). While not explicitly required, prior experience with Python scripting is highly beneficial for maximizing your learning.

Q: What specific types of tasks will I be able to automate after completing this 2-hour course?

Upon successful completion, you will be equipped to automate a range of common tasks, such as organizing files and folders, processing data in CSV and Excel files, performing basic web scraping to gather information, and automating repetitive mouse clicks and keyboard inputs in desktop applications. The course focuses on giving you the core tools to identify and script solutions for your own daily inefficiencies.

Q: How does this Python Automation Course differentiate itself from a broader Python programming course?

Unlike a comprehensive Python programming course that covers a wide array of topics from beginners to advanced concepts, this 2-hour program is laser-focused specifically on practical automation techniques. It quickly moves beyond foundational syntax to demonstrate how Python's powerful libraries can be leveraged immediately to solve real-world problems involving repetitive manual tasks, emphasizing rapid application and tangible efficiency gains.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location	Email	Phone
1st Flr, ICEA Building Kenyatta Ave, Nairobi	info@computer-pride.co.ke	+254 705 900 900
www.computer-pride.co.ke		