



PYTHON TRAINING

Python Automation Training Online

Master Python to automate repetitive tasks and streamline your workflows. Develop powerful scripts for enhanced efficiency.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

Unlock the power of efficiency and eliminate tedious, repetitive tasks with Computer Pride's Python Automation Training Online. This intensive 2-hour intermediate course is meticulously designed for IT professionals, data analysts, system administrators, and anyone looking to significantly boost their productivity by automating mundane processes. You will delve into the core principles of Python scripting for automation, learning how to manipulate files and directories, interact with web services, and streamline common workflows.

This course focuses on practical, hands-on application, teaching you to leverage Python's versatile libraries to perform tasks like data extraction, report generation, system maintenance, and much more, all without manual intervention. By the end of this training, you will possess the foundational skills to write effective Python scripts that save valuable time, reduce human error, and free up resources for more strategic initiatives, significantly enhancing your value in any tech-driven role.

Duration	2 hours
Level	Intermediate
Vendor	Python

COURSE CURRICULUM

01 Module 1: Foundations of Python Automation

- Understanding the 'Why' and 'What' of Automation with Python
- Setting up Your Automation Environment (venv, essential libraries)
- Writing Your First Automation Script: Basic Repetitive Task Example
- Introduction to Python's Standard Library for Automation

02 Module 2: Automating File and Directory Operations

- Navigating the File System with the 'os' Module
- Efficient File Management: Copying, Moving, and Deleting with 'shutil'
- Batch Renaming and Organizing Files and Folders
- Automating Text File Processing and Data Extraction

03 Module 3: Introduction to Web Interactions and Data Extraction

- Making HTTP Requests with the 'requests' Library
- Basic Web Scraping Concepts and Extracting Information from HTML
- Automating Simple Form Submissions (overview)
- Sending Automated Emails with 'smtplib' (brief introduction)

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > Junior Automation Engineer
- > Data Operations Analyst
- > IT Support Automation Specialist

FREQUENTLY ASKED QUESTIONS

Q: What prior Python knowledge is recommended to get the most out of this 2-hour Python Automation training?

This intermediate course assumes you have a foundational understanding of Python syntax, including variables, data types (lists, dictionaries), control flow (if/else, loops), and functions. While we'll briefly review essential concepts, familiarity with basic Python programming will allow you to grasp the automation principles and practical applications more effectively.

Q: Beyond basic file management, what specific types of repetitive web-based tasks will I be able to automate after completing this course?

Upon completion, you will be equipped to automate tasks such as fetching data from publicly accessible websites (basic web scraping), programmatically interacting with simple APIs to retrieve information, and initiating automated email notifications based on specific triggers. While not a deep dive into advanced web automation frameworks, it provides the fundamental building blocks for more complex web-centric automation projects.

Q: How does this short Python Automation course directly prepare me to contribute to efficiency improvements in roles like IT Support or Data Entry?

This course directly arms you with skills to automate common pain points in these roles. For IT Support, you can automate log file analysis, simple system checks, or routine cleanup tasks. For Data Entry, you'll learn to automate data extraction from various sources, basic data cleaning, and repetitive data migration, significantly reducing manual effort and improving data accuracy across operations.

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.

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