



PYTHON TRAINING

Intro To Scripting Python Powershell Bash Course

Master Python, PowerShell, and Bash scripting to automate tasks and boost efficiency across various platforms. Learn essential commands and write powerful scripts.

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 fundamental power of automation and command-line control with Computer Pride's "Intro To Scripting Python Powershell Bash Course." This concise yet comprehensive 2-hour program is expertly designed for IT professionals, system administrators, and aspiring automation engineers looking to gain a foundational understanding of three pivotal scripting languages: Python, PowerShell, and Bash. You'll explore the core syntax, basic commands, and practical applications of each, enabling you to automate repetitive tasks, manage system configurations, and streamline workflows across diverse operating environments.

This course demystifies the initial hurdles of scripting, providing a clear pathway into the world of IT automation. By grasping the basics of Python, you'll open doors to general-purpose programming and data manipulation. PowerShell will equip you with robust tools for Windows system administration, while Bash will empower you to efficiently manage Linux/Unix systems and automate tasks directly from the command line. Upon completion, you'll possess a versatile skillset that significantly enhances your efficiency, problem-solving capabilities, and overall value in any technology-driven role, setting a strong foundation for advanced automation challenges.

Duration	2 hours
Level	Intermediate
Vendor	Python

COURSE CURRICULUM

01 Module 1: Foundations of Scripting & Bash Basics

- What is scripting and why is it essential?
- Introduction to command-line interfaces (CLI)
- Navigating the filesystem with Bash
- Basic Bash commands (ls, cd, cp, mv, rm, mkdir)
- Creating and executing simple Bash scripts
- Introduction to variables and basic input/output in Bash

02 Module 2: Introduction to Python Scripting

- Setting up your Python environment
- Python syntax basics (variables, data types)
- Conditional statements (if/else)
- Loops (for, while)
- Functions: Defining and calling
- Basic file operations in Python

03 Module 3: PowerShell Essentials for Windows Automation

- Understanding PowerShell cmdlets and syntax
- Working with the PowerShell pipeline
- Basic system information retrieval (Get-Service, Get-Process)
- File and folder management with PowerShell
- Introduction to variables and objects in PowerShell
- Executing simple PowerShell scripts

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior Systems Administrator (Windows/Linux focus)**
- > **IT Support Specialist with Automation Responsibilities**
- > **Entry-Level DevOps Assistant**

FREQUENTLY ASKED QUESTIONS

Q: What practical tasks will I be able to automate immediately after completing this 2-hour introductory course?

Upon completing this course, you'll be able to perform foundational automation tasks such as creating and deleting files/directories, listing process information on Windows, retrieving system services, and running simple Python scripts to process text or numbers. For Bash, you'll gain skills to navigate and manage files on Linux/Unix systems efficiently from the command line, automating basic repetitive file operations.

Q: Given it's an 'Intro To' course, what are the recommended next steps or advanced courses I should consider after this program?

After mastering the basics in this introductory course, we highly recommend pursuing dedicated intermediate or advanced courses in each language. For Python, consider 'Python for Automation & DevOps.' For PowerShell, look into 'Advanced PowerShell Scripting for System Administration.' For Bash, 'Linux Shell Scripting for Automation' would be an excellent progression. This course provides a solid multi-language foundation, allowing you to choose your specialization based on your career interests or current IT environment.

Q: Is any prior coding or scripting experience required to enroll in the 'Intro To Scripting Python Powershell Bash Course'?

No prior coding or scripting experience is strictly required for this introductory course. It is designed for absolute beginners as well as IT professionals seeking to diversify their scripting knowledge across Python, PowerShell, and Bash. A basic understanding of computer operations and common operating systems (Windows, Linux command line) will be beneficial, but all core concepts are introduced from scratch.

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+

10,000+

50+

Years of Excellence

Professionals Trained

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke