

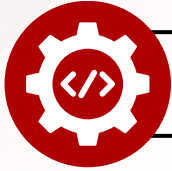


**START YOUR
SELENIUM WITH
PYTHON CAREER
TODAY!!**

CREDO SYSTEMZ
**Selenium with
Python Program**

Selenium with Python

Opportunities & Demand



Automation Test Engineer



Python Automation Engineer



QA Automation Engineer



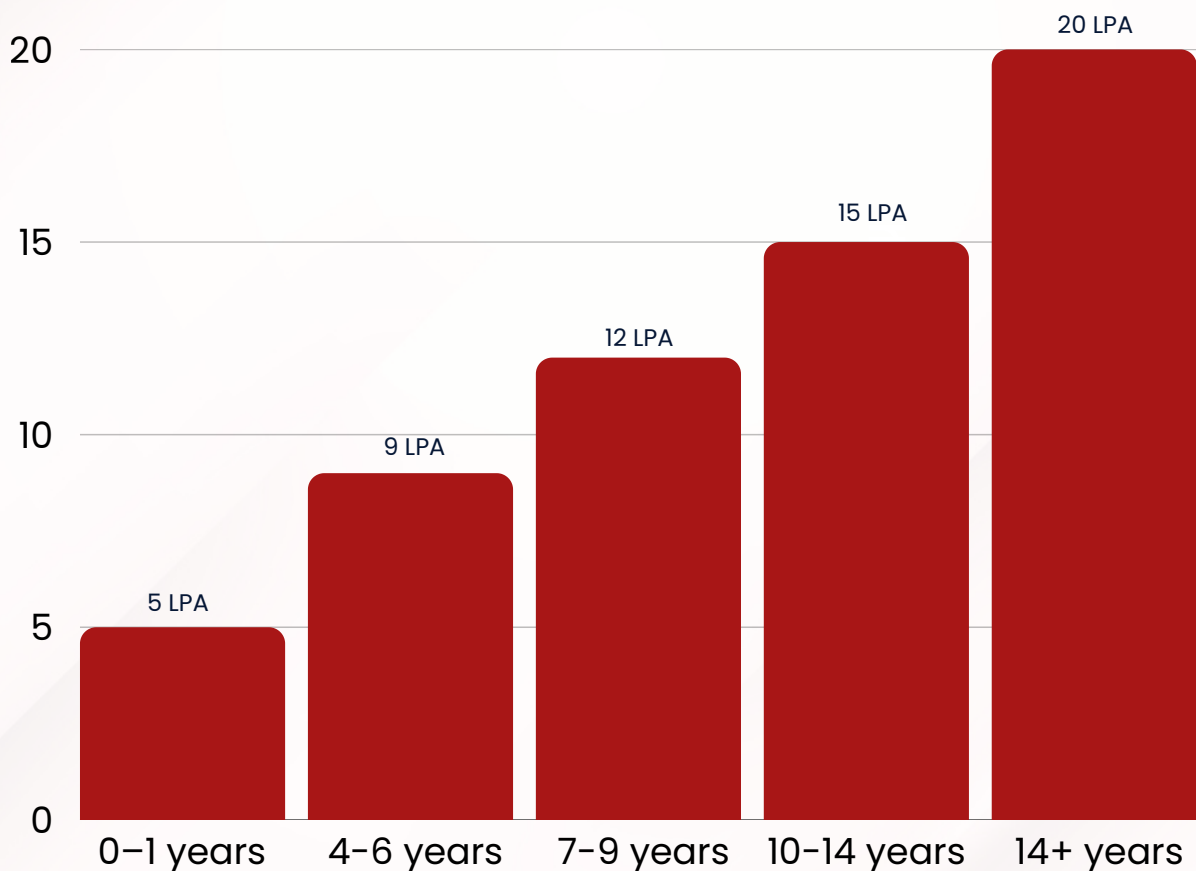
Test Architect / QA Manager



Quality Assurance Engineer



Automation Test Lead



SELENIUM WITH PYTHON

COURSE SYLLABUS

Duration : 60 hrs

✦ Chapter 1: Introduction

- What's python?
- Why do people use python?
- Some quotable quotes
- A python history lesson
- Advocacy news
- What's python good for?
- What's Python not good for?
- The compulsory features list
- Python portability
- On apples and oranges
- Summary: why Python?

✦ Chapter 2: Using the Interpreter and Text Editor

- Introduction to Sublime & Pycharm
- Config Pycharm for Python Project
- How Python Runs Programs
- How You Run Programs
- Configuration Details
- Module Files: A First Look
- The Idle Interface
- Other Python IDEs
- Time To Start Coding
- Lab Session 1

✦ Chapter 3: Types and Operators

- A First Pass
- The 'Big Picture'

- Numbers
- Dynamic Typing Interlude
- Strings
- Lists
- Dictionaries
- Tuples
- General Object Properties
- Mutable vs Immutable
- Summary: Python's Type Hierarchies
- Built-In Type Gotchas
- Lab Session 2

✦ Chapter 4: Basic Statements

- Introduction to Reserved Keywords
- General Syntax Concepts
- Expressions
- Print
- If Selections
- Python Syntax Rules
- Documentation Sources Interlude
- Truth Tests
- While Loops
- Break, Continue, Pass, and the Loop Else
- For Loops
- Comprehensions and Iterations
- Loop Coding Techniques
- Comprehensive Loop Examples
- Basic Coding Gotchas
- Preview: Program Unit Statements
- Lab Session 3

✦ Chapter 5: Functions

- Function Basics
- Scope Rules in Functions
- More on “Global” (and “Nonlocal”)
- More on “Return”
- More on Argument Passing
- Special Argument Matching Modes
- Odds and Ends
- Generator Expressions and Functions
- Function Design Concepts
- Functions Are Objects: Indirect Calls
- Function Gotchas
- Optional Case Study: Set Functions
- Lab Session 4

✦ Chapter 6: Modules

- Module Basics
- Module Files Are a Namespace
- Name Qualification
- Import Variants
- Reloading Modules
- Package Imports
- Odds and Ends
- Module Design Concepts
- Modules Are Objects: Metaprograms
- Module Gotchas
- Optional Case Study: A Shared Stack Module
- Lab Session 5

✦ Chapter 7: Classes

- OOP: The Big Picture
- Class Basics
- A More Realistic Example
- Using the Class Statement
- Using Class Methods
- Customization via Inheritance
- Specializing Inherited Methods
- Operator Overloading in Classes
- Namespace Rules: The Whole Story
- OOP Examples: Inheritance and Composition
- Classes and Methods Are Objects
- Odds and Ends
- New Style Classes
- Class Gotchas
- Optional Case Study: A Set Class
- Summary: OOP in Python
- Lab Session 6

✦ Chapter 8: Exceptions

- Exception Basics
- First Examples
- Exception Idioms
- Exception Catching Modes
- Class Exceptions
- Exception Gotchas
- Lab Session 7

✦ Chapter 9: Introduction to Selenium

- What is Selenium?
- Advantages of Selenium
- Disadvantages of Selenium
- History of Selenium

✦ Chapter 10: Selenium WebDriver

- Selenium Internal Architecture
- Downloading web driver Jars configuring in eclipse
- Drivers for Firefox, Edge, Chrome, Opera, Safari and HTML Unit Driver.
- What is the difference between RC and WD?
- Installing and Configuring Eclipse for Web Driver

✦ Chapter 11: Locators in Selenium

- ID
- Name
- Class Name
- Link Text
- CSS
- XPath

✦ Chapter 12: Working with WebElements

- Edit box
- Link
- Button
- Checkbox
- Radio Button
- Drop Down Box
- Select value
- Display all values
- Select values step by step
- Capture screenshots
- Synchronization Commands
- Implicit Wait
- Explicit Wait

- WebDriver Wait
- File Uploads and Downloads
- Handling Alerts
- Handling Confirmation Messages
- Keyboard Actions
- Mouse Actions
- Handling Popups
- Handling WebTables

✦ Chapter 13: Advanced WebElements

- Calendar Selection
- Taking Screenshots
- Scroll Element to View
- Working with iFrames
- Working with Windows

✦ Chapter 14: Logging in Selenium

- Introduction to Logging Infrastructure
- Changing the Format of Logs
- Logger – Console
- Logger – Configuration File
- Writing a Custom Logger Utility

✦ Chapter 15: Unit Test Infrastructure

- unittest Introduction
- Writing First Test Case
- How To Implement Class Level SetUp And TearDown Methods
- How To Assert A Test Method
- How To Export PYTHONPATH
- How To Run Code From Terminal
- How To Create A Test Suite

✦ Chapter 16: Pytest – Advanced Testing Framework

- Pytest Naming Conventions
- How To Work With PyTest Fixtures
- Pytest Fixture Update
- Multiple Ways To Run Test Cases
- Important Note For Next Lecture
- Conftest – Common Fixtures To Multiple Modules
- How To Maintain Run Order Of Tests
- Running Tests Based On Command Line Arguments
- Structure Tests In A Test Class
- How To Return A Value From Fixtures
- Install PyTest HTML Plugin
- How To Generate HTML Test Report

✦ Chapter 17: Page Object Model (POM) Design Pattern

- Why Page Object Model & When it will be effective
- POM Design Rules
- POM Implementation of Rules
- Implementation of test cases using POM framework

✦ Chapter 18: Data Driven Framework

- Interacting with Database
- Interacting with JSON
- Interacting with CSV
- Interacting with Excel

✦ Chapter 19: Running Complete Test Suite

- How To Manage Navigation In Framework
- Refactor Login Tests
- How To Run A Test Suite
- Running Test Suite On Chrome

✦ Chapter 20: Git and GitHub – Version Control System

- Git And GitHub Introduction
- Git Installation On Windows
- Git Installation On Mac
- Create Local Git Repository – Staging And Commit
- File Checkin – GitHub Remote Repository
- Advantages And Importance Of Git Branches
- File Checkin and Resolve Merge Conflicts – Real Time Example
- Course Code Files On GitHub
- GitHub Project Check-in And Git Clone

✦ Chapter 21: Continuous Integration with Jenkins

- Jenkins Features and Advantages
- Jenkins Setup and Installation
- Securing Jenkins
- Jenkins Plugin Management
- Building a Freestyle Project using Jenkins and GitHub

TOOLS

Tools Covered

Python



Sublime Text



PyCharm



Eclipse



Selenium
WebDriver



ChromeDriver



GeckoDriver
(Firefox)



Git & GitHub



Pytest



Jenkins



OUR HIRING PARTNERS



Earn your Selenium with Python Course Completion Certificate

Credo Systemz's certificate is highly recognized by
30K Global companies around the world.



WHAT OUR **TRAINEE** SAYS?



Muthukumar

4.7 ★★★★★

Credo Systemz offers top-quality Selenium training in Chennai. The course structure is practical and industry-relevant. Live projects helped me apply what I learned with confidence.



Rekha K

4.2 ★★★★★

The trainers at Credo Systemz made Selenium easy to understand. Each session was interactive with real-world use cases. I gained solid automation testing skills through their practical approach.



Prakash Raj

5.0 ★★★★★

I had a great experience with Selenium training at Credo Systemz. The trainers were knowledgeable and explained every concept clearly. Hands-on sessions and real-time projects made the learning impactful.



Vani Sri

4.9 ★★★★★

Selenium training at Credo Systemz exceeded my expectations. The modules were well-organized and easy to follow. Real-time project experience truly enhanced my understanding.



Joshua Raj

4.0 ★★★★★

Learning Selenium at Credo Systemz was a great career move. They focus on hands-on training and real-time scenarios. I now feel confident to work on automation testing projects.



Abinaya M

4.5 ★★★★★

Credo Systemz delivers excellent Selenium training with expert guidance. Practical sessions and live projects made the concepts clear. Highly recommend for anyone looking to master automation testing.



CHENNAI

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OVERSEAS

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UAE

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