APPLIED TECHNOLOGY ACADEMY

800.674.3550
Info@AppliedTechAc.com
AppliedTechnologyAcademy.com

Python for Reverse Engineers Training

Applied Technology Academy

Python Reverse Engineering is geared towards the reverse engineer and introduces the Python language with a focus on using it to accelerate, automate, and optimize reverse engineering tasks. The course begins with an introduction to Python and a review of object types and flow statements, and then delves into file operations, modules, working with the CTypes library for interaction with Windows operating systems, debugging, and IDA scripting.

LEVEL	DURATION	EXPERIENCE	AVERAGE SALARY	LABS
Intermediate	**5 Days**	**2 years: Python**	**$120,000**	**Yes**

Course Overview

After successfully completing this course, students will be able to:

- Compose Python scripts to automate repetitive tasks
- Perform tasks with the Windows API from Python using the CTypes library
- Implement a scriptable Windows debugger using Python and CTypes
- Use the IDAPython API to automate common reverse engineering tasks in IDA

Course Outline

- Write and implement Python scripts used in reverse engineering
- Use Python to interact with the Windows operating system using the Windows API
- Create custom event handlers to automate debugging tasks
- Use Python to automate tasks to debug malware and report on its activities
- Automate disassembly tasks using IDAPython and other available modules

Intended Audience

This course is designed for students with Python programming literacy who want to learn about advanced Python features and how to automate and simplify tasks.

Prerequisites

- Successful completion of Malware Reverse Engineering course
- Familiarity with programming/ scripting in some language

Follow-on Courses

- Python for Network Automation
- Threat Hunting with Python

- Python for Data Sciences

Ready to enroll? Call 800.674.3550 or email Info@AppliedTechAc.com — private team cohorts, GSA MAS purchasing, military credentialing funding, VA GI Bill and VR&E and student financing available.