



**BLACK  
HORSE**

a **PARSONS** Company

# INVESTIGATIONAL PYTHON COURSE (IP-C)

Automate OSINT/PAI Collection

## Course Overview

Investigational Python is a 40-hour programming course that covers the essentials of object-oriented Python coding in a networked environment connected to the Dark Web via TOR. The coding exercises focus on methods of connecting to the Dark Web and building scraping tools to cull through websites. The course covers the essentials of installing and using Python on various operating systems, including creating a portable USB drive, object-oriented programming principles, building objects and modules, and using network libraries with Python. The students' practical coding and debugging skills are leveraged against virtual targets which can be enumerated, scraped, and categorized using Python programs written by the students. The students will graduate the course with usable, mission-oriented Python scripts in addition to gaining programming expertise. Graduates will be able to troubleshoot existing programs and devise potential solutions or workarounds.

## IP-C Course Deliverables & Schedule (40 hours)

- Introduction to Object Oriented Programming
- Python Language Concepts
- Input and Output
- Coding Assignment 1
- Python on Mac, Linux, other devices
- Project Brief
- Flow Control 1: Branching
- Coding Assignment 2
- Files and Storage
- Coding Assignment 3
- Functions and Libraries
- Project Review
- Flow Control 2: Loops
- Coding Assignment 4
- Modularization
- Coding Assignment 5
- Communication with the internet
- Web Connectivity
- Coding Assignment 6
- Modularization
- Coding Assignment 7
- Communication with the internet
- Controlling Devices
- Final Coding Assignment – Connecting the Code to the Project
- Project Review
- Course Review
- AAR / Graduation

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We offer the option to join an online open enrollment course, or to create a contracted, dedicated course to meet your organization's operational requirements. For contracted training and price quotes please send all inquiries to

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