# 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 Internet or to the Dark Web via TOR. The coding exercises focus on methods of connecting to a network 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 for development; 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. 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 for a variety of situations.

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

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

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**More Info and Enrollment!**

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

TOGTraining@blackhorsesolutions.com