

## Python for Network Defenders

### Course Summary

#### Description

This introductory course gives a great foundation on how to use Python. The course is focused on using Python from a security analyst perspective showing its usefulness around reverse engineering and intrusion analysis.

#### Topics

- Python Object Types
- Numeric Types
- Strings
- Lists and Dictionaries
- Python Statements
- Assignments, Expressions, and Prints
- IF Tests and Syntax Rules
- Repetition Statements
- Functions
- Modules
- Classes
- System and Web Automation

#### Audience

This course is designed for:

- Network Security Analysts
- Reverse Engineers
- Forensic Analysts
- Application Programmers

#### Prerequisites

Before taking this course, completion of the Understanding Operating Systems course is recommended. A strong understanding of computer systems is also recommended.

#### Duration

Five days