

# Python for Network Security

This course provides a comprehensive introduction to Python programming for networking and network security, covering topics such as foundational protocols, network monitoring, and scripting tools for network security. Learn how to secure and monitor networks for suspicious activities using Python scripting tools.

Group classes in NYC and onsite training is available for this course. For more information, email [corporate@nobledesktop.com](mailto:corporate@nobledesktop.com) or visit: <https://www.nobledesktop.com/classes/python-network-security>



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## Course Outline

### Python & Networks

#### Python Networking

- Python and MySQL
- Networking protocol
- Networking tools

#### Python Network Automation

- Intro to GNS3
- NAPALM P75
- GNS3 Lab I

#### Python Network Device Configuration

- NAPALM
- GNS3 Lab II
- Pyntc P69

#### Python Network Iteration

- Netmiko Scripts P77
- GNS3 Lab III

### Cryptography

#### Intro to Cryptography

- Boolean logic
- Modulus Arithmetic
- Hashing

- Protocols: SSL, TLS, SSH
- Various tools to crack passwords