COURSE SYLLABUS

Python for Network Security

This course covers the foundational protocols for network transfer and the fundamentals of Python programming for network monitoring, as well as scripting tools for basic network security.

Group classes (NYC) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://www.careercenters.com/courses/python-network-security



nyc@careercenters.com • (212) 684-5151

Course Outline

Python & Networks

Python Networking

- Python and MySQL
- Networking protocol
- Networking tools

Python Network Automation

- Intro to GNS3
- NAPALM
- GNS3 Lab I

Python Network Device Configuration

- NAPALM
- GNS3 Lab II
- Pyntc

Python Network Iteration

- Netmiko Scripts
- GNS3 Lab III

Cryptography

Intro to Cryptography

- Boolean logic
- Modulus Arithmetic
- Hashing
- Protocols: SSL, TLS, SSH

- Various tools to crack passwords