COURSE SYLLABUS

Cybersecurity Bootcamp

Become an Information Security Analyst or Cybersecurity Engineer. Gain a technical foundation in Linux, Python, computer networking, AWS, and web application architecture and learn professional cybersecurity tools and solutions.

> Group classes (NYC) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://programwithus.com/certificates/cybersecurity



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Course Outline

This package includes these courses

- Intro to Cybersecurity & Networks (24 Hours)
- Linux Operating System & Bash Scripting (18 Hours)
- Python Immersive (30 Hours)
- Python for Network Security (30 Hours)
- Cybersecurity with Python (30 Hours)
- Offensive Security with Python (24 Hours)
- Digital Forensics (24 Hours)
- Cloud Computing with AWS (18 Hours)
- Cybersecurity Industry & Job Prep (12 Hours)

Intro to Cybersecurity & Networks

- Learn how computer communication and security systems work
- Get to know network models and the layers within them
- Gain an understanding of authentication, authorization, and admin roles

Linux Operating System & Bash Scripting

- Use fundamental Linux commands and Bash scripts
- Navigate directories, files, and distributions for cybersecurity
- Learn Linux permissions and file security

Python Immersive

- Learn the fundamentals of Python programming
- Navigate and analyze tech documentation to solve errors

- Complete independent coding projects

Python for Network Security

- Foundational protocols for network transfer
- Fundamentals of Python programming for network monitoring
- Scripting tools for basic network security

Cybersecurity with Python

- Automate security processes
- Execute system administration tasks
- Solve common IT problems

Offensive Security with Python

- Learn the major tools and strategies for preventing, detecting, and responding to cyber attacks
- Learn how to plan and execute penetration tests
- Perform threat modeling and vulnerability analysis

Digital Forensics

- Learn the structure and daily operations of a modern Security Operations Center (SOC)
- Understand security monitoring, logging, and the incident response lifecycle
- Develop strategies for implementing security protocols

Cloud Computing with AWS

- Learn the fundamentals of AWS and cloud computing
- Build and secure an enterprise-level cloud environment
- Navigate cloud infrastructure, networking, and databases

Cybersecurity Industry & Job Prep

- Learn job search strategies
- Prepare your resume
- Participate in mock interviews
- Review different job opportunities