COURSE SYLLABUS

Cybersecurity Bootcamp

Start your cybersecurity career and prepare for a new job in the growing field. Learn the skills for cybersecurity roles like Engineer and Analyst, and gain in-demand technical skills including Python programming, computer networking, Linux, and cloud computing in AWS.

Group classes in NYC and onsite training is available for this course. For more information, email corporate@nobledesktop.com or visit: https://www.nobledesktop.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 Programming Bootcamp (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 Programming Bootcamp

- 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 and 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