

# Cybersecurity

## Participant Journey

Cybersecurity professionals understand the tools to protect information and data on computers, networks, and electronic devices. They anticipate, prevent and respond to attacks, serving as a critical member of any team. Cybersecurity professionals need to have a solid understanding of networking and operating systems along with the desire to stay updated on evolving threats and technologies. This field also requires using knowledge gained from courses to pass certification exams to show technical competency.

### Trial Period

During the first month, there is a trial period that allows you to test out the program and meet milestones to understand the time management required to be successful. You will complete the following courses in order:





-  Orientation
-  Cybersecurity | Course 1: Foundations of Cybersecurity
-  Cybersecurity | Course 2: Play it Safe
-  Orientation

### Months 1-3

You will complete the following courses in order:

-  Cybersecurity Fundamentals
-  Cybersecurity | Course 3: Connect and Protect
-  Cybersecurity | Course 4: Tools of the Trade: Linux and SQL

**Skills & software you will learn:**




-  Cybersecurity fundamentals
-  Network security
-  Cloud networks
-  NIST Cybersecurity Framework (CSF)

### Months 4-6

You will complete the following courses in order:



-  Linux Networking
-  Cybersecurity | Course 5: Assets, Threats, and Vulnerabilities

**Skills & software you will learn:**




-  Linux networking
-  SQL
-  Escalation

### Months 7-9

You will complete the following courses in order:

-  Linux System Administration
-  Cybersecurity | Course 6: Sound the Alarm

**Skills & software you will learn:**





-  Linux systems administration
-  Ethics in cybersecurity
-  Historical attacks

### Months 10-12

You will complete the following courses in order:

-  Elective 1\*
-  Cybersecurity | Course 7: Automate with Python

**Skills & software you will learn:**





-  Ethical hacking
-  Information security management
-  Security information and event management tools
-  Intrusion detection systems

### Months 13-15

You will complete the following courses in order:

-  Elective 2\*
-  Cybersecurity | Course 8: Put it to Work\*\*

**Skills & software you will learn:**

-  Governance of enterprise IT
-  Risk and information systems control
-  Python programming
-  Job preparedness

## \*Elective Options (you'll choose two courses from any track; course availability may vary):

### Track 1: Ethical Hacking *(Intermediate to Advanced)*

- Ethical Hacking
- Penetration Testing

### Track 2: Cybersecurity Management & Compliance *(Intermediate)*

- Information Security Management
- Governance of Enterprise IT

### Track 3: Cybersecurity Auditing & Risk Assessment *(Novice to Intermediate)*

- Information Systems Auditing
- Risk and Information Systems Control

**\*\*Following completion of Cybersecurity Course 8, you may have the option to participate in a paid work internship.**



## Job-readiness Stages & Descriptions

### Stage 1

#### Learning the Industry

How to get into the industry by researching tech roles, exploring the labor market and evaluating job quality. Learn about and use online resources.

### Stage 2

#### Building a Foundation

Develop essential skills by focusing on soft skills. Create tailored resumes by highlighting relevant experiences for each application.

### Stage 3

#### Becoming Industry Relevant

Update your LinkedIn: take professional headshots to enhance your profile. Answer "tell me about yourself" by learning to craft a concise career narrative. Write a cover letter.

### Stage 4

#### Community Exposure

Prepare for interviews via mock interviews and customized feedback. Build your professional network by engaging in industry events and online forums. Manage imposter syndrome. Find a mentor to obtain guidance and industry insights.

### Stage 5

#### Launching Your New Path

Polish job materials: update resumes periodically and cover letters for each job role. Optimize job search: use job boards, networking and social media. Negotiate salaries: research standards and discuss confidently.

## Relevant Jobs



IT support



Ethical hacker



Penetration tester



Security analyst



Cybersecurity manager



Compliance officer



Risk analyst



Information systems auditor