SYLLABUS

Amazon Career Choice Cybersecurity Analytics

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Overview

You are living at an unprecedented inflection point of technological development. The world has fully adopted the most transformational technology in its history before figuring how to deal with its inherent—and very real—risks. The Internet is revolutionizing the world. We are totally dependent on it. But, it wasn't designed with security in mind. We have traded our personal security for convenience.

That's where cybersecurity comes in. This relatively new, exploding industry is on a mission to secure a world that suddenly finds itself running on the Internet, and thereby enable the future potential of technology itself.

Amazon Career Choice: Cybersecurity Analytics

The Cybersecurity Analytics course is your path to an analytical cybersecurity career. This curriculum includes five foundational courses that deep-dive on concepts related to threat intelligence, data visualization, and log analysis. This program is highly analytical in nature. A natural interest in research and problem solving is recommended. The Amazon Cybersecurity Analytics program will help you be career-ready in 29 weeks, plus provide career coaching support to help you launch your new career outside of Amazon.

Career Services

As part of Amazon Career Choice, this program is designed to prepare students for careers in cybersecurity outside of Amazon. Graduates of this program will be equipped for a wide range of jobs across the cybersecurity industry. Sample alumni job titles include:

- Compliance Analyst
- Tier 1 SOC Analyst
- Network/Systems Analyst

During the program capstone, students will complete the Job Search Accelerator curriculum - designed to prepare them for their post-program job search.

Upon graduation and completion of the Job Search Accelerator, students will also be paired with a Career Coach to serve as their personal career expert. Career Coaches will help with everything from job search strategy and networking tips, to resume reviews, interview prep support, and negotiating job offer support.

With Flatiron School's tried-and-true job search framework, graduates gain the skills they need to launch new careers in cybersecurity.

Getting Started

Flatiron School is here to support you every step of the way, from application all the way through graduation (and beyond).

APPLICATION PROCESS

APPLY

Apply at flatironschool.com/amazoncareerchoice. Eligible applicants will have a high school diploma, GED, or equivalent; be located in the United States; be a full-time or part-time Blue Badge employee who will have completed at least 90 days of continuous employment prior to May 5, 2025; be interested in pursuing a new career in tech upon successful completion of the course.

ADMISSIONS ASSESSMENT

Complete an admissions assessment. This will only take you 15 minutes and is a measure of cognitive aptitude - don't worry, no studying or technical skills required!

BEGIN PREWORK

Prework is ~20-40 hours of basic curriculum that you must complete before enrolling in the course. You'll receive login credentials and further information on how to get started.

ADMISSIONS INTERVIEW

After you complete 70% of your Prework, you can schedule a 15-minute phone chat with our team. There's nothing you need to prepare – this is a chance for you to ask questions and for us to get to know you!

SUBMIT TUITION VOUCHER

Once you complete the entire Prework course with an overall grade of 70% or higher, Flatiron School will send you a payment code. Log into your Career Choice portal to submit the code for the program.

ENROLLMENT AGREEMENT

Sign your enrollment agreement prior to starting the program.

START CLASS!

Your first day of class is May 12, 2025. Class will run through January 23, 2026. Classes include a weekly one-hour live sync with your facilitator via video conferencing. Students will also have access to a technical coach via Discord.

The power of learning
Cybersecurity

WHY DO WE TEACH DEFENSIVE AND OFFENSIVE SECURITY?

Defensive

Cybersecurity is about doing the fundamental tasks well to help protect critical data and services across the organization.

These courses were designed to build fundamental IT and cybersecurity skills to help you protect your organization and help you grow your cybersecurity career.

The skills learned in this program can help lay the foundation for a variety of Cybersecurity job roles that you might explore throughout your career.

Offensive Security

New threats to your organization emerge daily. By learning how a threat actor thinks and the tactics, techniques, and procedures they use, you can build a better defensive security posture across your organization.

Career Flexibility

Learning Cybersecurity is a lifelong endeavor. Learning both the defensive side and offensive sides of Cybersecurity prepares you for the essential task of helping organizations become more secure and develops your skills for self-learning throughout your career as new threats and technologies appear.

Curriculum Overview

GETTING STARTED

Before starting the Amazon Cybersecurity Analytics course, students must complete an initial assessment. During the enrollment process, students will begin their cybersecurity journey in the Prework course and learn the foundational skills needed for rewarding careers in the tech industry.

MASTERY-BASED PROGRESS

Our program is broken into courses and within each course are modules. Each course concludes with a project module for students to showcase the skills and abilities learned within the course. The final capstone course concludes with a comprehensive industry standard project. This project will give students the chance to showcase all the competencies learned from each of the courses.

LIFELONG LEARNING

With guidance from their Career Coach, students will continue to build their technical skills after graduation as they embark upon their Cybersecurity job search.

Amazon Cybersecurity Analytics

This program is designed to help you develop the skills you need for a career as a tier 1+ SOC analyst, threat intel analyst, and compliance analyst. Passionate people with strong critical thinking, research, and analytical skills, are a good fit for this program. Students will complete 7 different courses in the areas shown below:

Introduction to Python

Apply the basics of programming language methodologies to real world scenarios and demonstrate foundational skills for scripting with a programming language, Python.

Operating Systems & Networking

Demonstrate fundamental knowledge of computer networking diagrams and identify potential computer networking and operating system issues in cybersecurity scenarios.

System Hardening

Identify mitigation strategies to protect against future attacks and implement knowledge of system hardening to a scenario.

Threat Intelligence

Outline a response to an attack using security information and event management (SIEM) data and integrate GRC strategies in cybersecurity processes.

SIEM & Threat Hunting

Utilize SIEM solutions and threat hunting to solve a cybersecurity incident and integrate Security Information and Event Management (SIEM) solutions to solve cybersecurity incidents.

Security Architecture & Frameworks

Integrate knowledge of security architecture to identify vulnerabilities that are discovered and identify mitigation strategies to protect against future attacks.

Cybersecurity Analytics Capstone

In this project, you will be expected to solve a real-world cybersecurity business problem by analyzing a network diagram.

Course Schedule: An In-Depth Look

	Instructional Calendar | Cybersecurity Analytics		
	Courses	**Topics**	**Objectives**
4 weeks	Course 1: Introduction to Python	Python Cybersecurity analysis with programming	Apply the basics of programming language methodologies to real world scenarios Demonstrate foundational skills for scripting with a programming language, Python
4 weeks	Course 2: Operating Systems & Networking	Network Diagram Virtual Machines Windows Linux	Demonstrate fundamental knowledge of computer networking diagrams Determine potential computer networking and operating system issues in cybersecurity scenarios
4 weeks	Course 3: System Hardening	Cloud Computing Data Privacy Advanced Linux commands	Identify mitigation strategies to protect against future attacks Implement knowledge of system hardening to a scenario
4 weeks	Course 4: Threat Intelligence Objectives	Threat Intelligence GRC MITRE ATT&CK CTI	Outline a response to an attack using security information and event management (SIEM) data Integrate GRC strategies in cybersecurity processes
4 weeks	Course 5: SIEM & Threat Hunting	SIEM solutions Vulnerability Assessment and Management Threat Hunting	Utilize SIEM solutions and threat hunting to solve a cybersecurity incident Integrate Security Information and Event Management (SIEM) solutions to solve cybersecurity incidents

Course Schedule: An In-Depth Look

	Instructional Calendar | Cybersecurity Analytics		
	Courses	**Topics**	**Objectives**
4 weeks	Course 6: Security Architecture & Frameworks	System Vulnerability Assessment and Management Network Segmentation Cloud Security Principles IT Architecture	Integrate knowledge of security architecture to identify vulnerabilities that are discovered Identify mitigation strategies to protect against future attacks
5 weeks (with a break for Peak Season)	Course 7: Cybersecurity Analytics Capstone	IT Architecture Vulnerability Assessment GRC Network Diagram	Analyze a network diagram
180 days	Career Services	180 Days of dedicated 1:1 Career Services	Job Search Strategy, Networking Tips, Resume Reviews, Interview Prep Support, Negotiating Job Offers

What makes a Cybersecurity Analyst?

Everything you learn in the Amazon Cybersecurity Analytics course is designed to prepare you for a new career in cybersecurity outside of Amazon. During your job search, you'll meet regularly with a Career Coach. Coaches help with everything from résumé review to interview prep, and help you tell your story to land your first job.

Through 1-on-1 guidance from our Career Coaching team and our tried-and-true job-search framework, you'll gain the skills and support you need to launch your career.

CAREERS IN CYBERSECURITY

SOC Analyst
Be responsible for defensive cyber counter infiltration operations against Advanced Persistent Threats (APT).

Compliance Analyst/Auditor
Track and analyze metrics to suggest steps for improving alignment with cybersecurity policies and regulations.

Threat Intel Analyst
Lead/perform the delivery of data protection engagements including discovery and classification.

How We Learn

Test-Driven Learning

We believe the best way to learn how to defend an organization is to put your hands on the keyboard during training. That's why our course blends learning with hands-on labs that help you deliver to an organization on day one.

Open Curriculum

Our industry-tested curriculum has given over 1,500 Flatiron School graduates the skills to become Cybersecurity Analysts and thrive in their careers. We continually improve our coursework in reaction to feedback and real-world changes, and our edits are supplemented by hundreds of student submissions each month.

Use Real Tools

You can't learn real skills without real tools. We leverage industry tools like Splunk to help you learn how to defend an organization from attackers.

Contact Us

For more information, please check out our website at
flatironschool.com/enterprise/amazoncareerchoice or contact us here.

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