Fullstack Academy x Amazon Career Choice Cybersecurity Bootcamp

Program Syllabus

Fullstack Academy

amazon | career choice

Amazon Career Choice & Fullstack Academy Partnership

Career Choice is an education benefit that empowers employees to learn new skills for career success at Amazon or elsewhere. In addition to funding associate and bachelor's degrees, Amazon's Career Choice also funds programs like the Fullstack Academy Cybersecurity Bootcamp to help associates learn in-demand job skills fast. Amazon employees who meet the Career Choice eligibility requirements will receive a budget covering 100% of tuition for select cyber programs offered by Fullstack Academy.

Amazon selected Fullstack Academy as an approved partner in their Career Choice network of educators because of our top-tier programs, student support, and more. Together, we are committed to providing excellent education, job placement resources, and continuous improvements to the student experience.

Fullstack Academy Cybersecurity Bootcamp Overview

In the part-time Fullstack Academy Cybersecurity Bootcamp, Amazon associates learn the skills needed to fight cybercrime and launch careers in one of the fastest-growing fields in tech.

During the 26-week program, you'll explore today's cutting-edge cybersecurity technologies in an immersive live online setting. Our curriculum emphasizes organizational, technical, and professional competencies through hands-on lab experiences and collaboration. All of our bootcamp courses are taught by passionate industry-experienced instructors.

In the field of cybersecurity, there are many career paths to follow based on your skills and experience. As part of the bootcamp, you'll train for roles, such as:

IT Help Desk Specialist

Systems Support Specialist

Cybersecurity Analyst

Throughout the bootcamp, and beyond, the Fullstack Academy Team will provide you with career success support, including lessons on resume writing, application best practices, and more. Plus, preparation for the Amazon Web Services (AWS) Cloud Practitioner certification and an exam voucher will be provided at no additional cost after the bootcamp.

As a graduate of our bootcamp, you will walk away with a portfolio to showcase your knowledge and the skills to help launch a cybersecurity career.

Bootcamp graduates who meet the minimum program requirements will also receive a certificate of completion for the Fullstack Academy x Amazon Career Choice Cybersecurity Bootcamp.

Why Choose Fullstack Academy?

Top-Rated Cybersecurity Bootcamp

Fullstack Academy is a highly-rated cybersecurity education program, with dozens of positive reviews on Google, Course Report, Career Karma, SwitchUp, and more.

Professional Results

Our graduates get hired by prominent tech companies like Accenture, the IRS, and the Center for Internet Security–as well as mid-size companies and innovative start-ups across the U.S.

Industry-Experienced Instructors

Our courses are taught by experienced industry professionals who are passionate about training the next generation of cyber professionals.

Real-World Cybersecurity Skills

You will use popular cybersecurity tools, techniques, and procedures like Kali Linux, Command Line, Python, Wireshark, Bash, Nmap, Metasploit, Meterpreter, and more.

Culture of Collaboration

Work with other students who are talented, driven, authentic, and supportive.

Fullstack Academy Grads Get Hired

The Fullstack Academy Team is available to help you throughout bootcamp and beyond!

Proven Employment Outcomes

Organizations across the U.S. hire our grads – everywhere from government entities to large companies, innovative start-ups, and more.

Professional Career Support

Fullstack Academy grads have the competitive advantage of career coaching and practical experience to land a role.

A Built-In Network

You'll join our expansive network of alums—building lasting connections to support you throughout your career.

Perks of the Fullstack Academy Cybersecurity Bootcamp:

Hone New Skills While Balancing Life Obligations.

Graduate With a Certificate to Show Potential Employers and a Portfolio of Real-World Projects.

Get Job Search Resources From Amazon Career Choice and the Fullstack Academy Team.

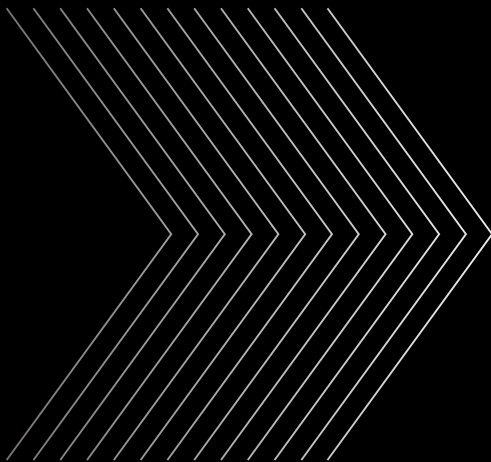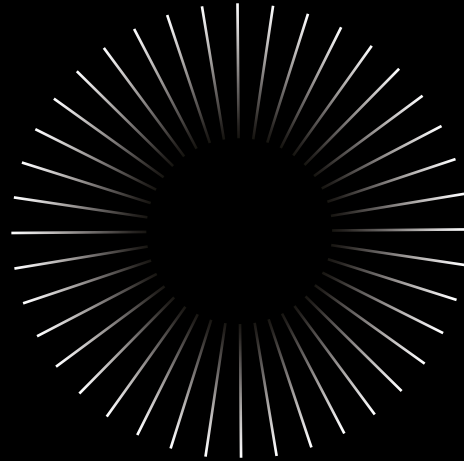**Fully Immerse Yourself** in the Curriculum with Continuous Study.

Prepare for the AWS Cloud Practitioner Certification and Receive an Exam Voucher as Part of the Program.

The Fullstack Academy Difference

Fullstack Academy is a trusted trailblazer in tech education.

Fullstack Inclusion

Fullstack is committed to helping you achieve your career goals, regardless of your background or skill level. We aim to provide a welcoming, diverse, and flexible learning environment. Plus, our bootcamp schedules are based on Amazon's recommendations, giving you the flexibility you need to develop your career and balance obligations.
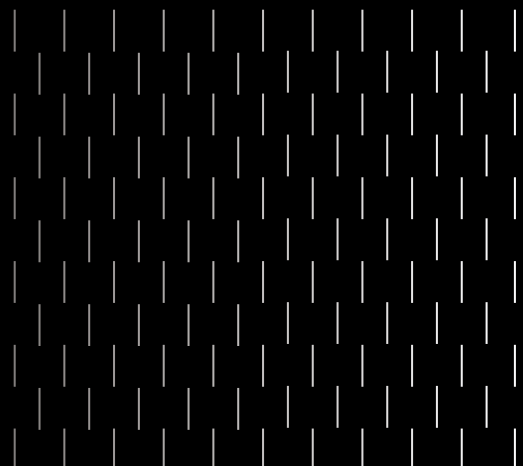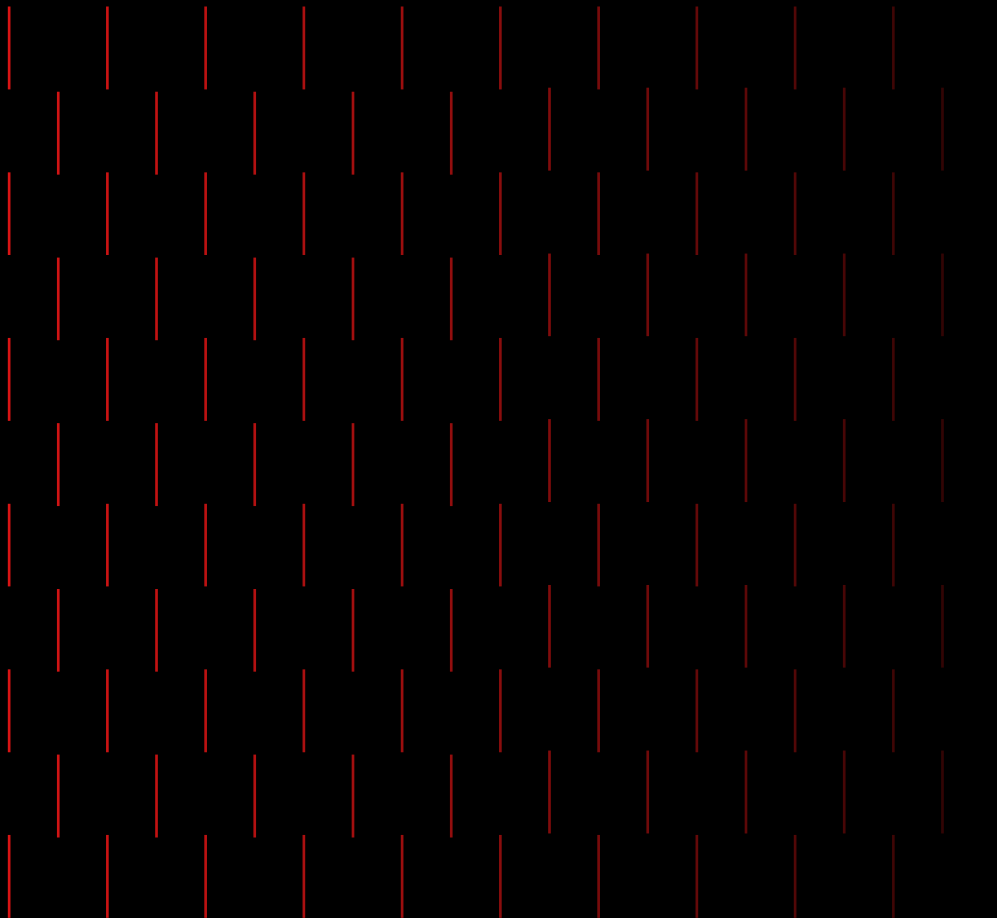
Fullstack Experience

Fullstack's rigorous curriculum focuses on the skills top-tier tech employers are seeking. You can access valuable job search resources through Amazon and our passionate Career Success team.

Fullstack Outcomes

We're obsessed with helping our students succeed, and it shows: 1,500+ companies across the U.S. are eager to hire our graduates — including Fullstack Academy Hiring Partners like Google, Accenture, and LinkedIn.

Curriculum

Fullstack Academy x Amazon Career Choice Cybersecurity Bootcamp Competencies

We've designed our curriculum to align with the Workforce Framework for Cybersecurity by the National Initiative for Cybersecurity Careers and Studies. The Fullstack Academy Cybersecurity Bootcamp curriculum competencies help students assess their abilities, identify areas in which they may need to improve, and understand the needs of future employers. The units and learning objectives below are subject to change, but the overarching topics will remain the same.

Cybersecurity Fundamentals

Learn the fundamentals of cybersecurity and virtualization technologies while building a security mindset.

- ◆ Orientation
- ◆ The security mindset
- ◆ Confidentiality, integrity and availability (CIA) triad
- ◆ Threats, vulnerabilities, and risks
- ◆ Virtualization

Asset and Inventory Management

Gain a working knowledge of the Linux operating system (OS) as you learn knowledge and skills to apply throughout bootcamp and your career.

- ◆ Linux Command Line
- ◆ File systems
- ◆ Users and groups
- ◆ Bash scripting

Career Simulation 1

Put your cybersecurity skills to the test as a SOC Analyst 1 for a fictitious company, where you'll work to solve and report a configuration file problem.

- ◆ Modifying configuration files
- ◆ Identifying configuration file recommendations

*Please note that this is a sample curriculum and is subject to change.

Curriculum

The week-by-week schedule and learning objectives are subject to change, but the topics will remain the same.

Network Systems

Understand the mechanics of how network connected devices transmit and receive data.

- Networking
- Wireshark
- Encoding and encryption
- Open Systems Interconnection model (OSI model)
- Firewalls

Programming with Python

Explore Python, a versatile programming language that can be used for a multitude of cybersecurity functions, including malware analysis, scanning, penetration testing tasks, and more.

- Variables, loops, and conditionals
- String and list methods
- Dictionaries
- Regular expressions
- Log parsing

System Administration

Become a Windows and PowerShell powerhouse by learning to identify and address security concerns for operating systems.

- Windows administration and management
- Active directory
- Group policy

Career Simulation 2

Implement a new onboarding process as part of a simulated exercise in new user configuration.

- Configure new users and their computers

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Curriculum

The week-by-week schedule and learning objectives are subject to change, but the topics will remain the same.

Red Team (Offense)

Gain offensive security skills to protect computer systems, networks, individuals, and their data from attacks.

- Web vulnerabilities
- Penetration testing
- OWASP Top 10
- Social engineering
- Burp Suite
- Cross-site Scripting
- SQL injection
- Metasploit

Career Simulation 3

Practice offensive security and run a mock penetration test.

- Offensive security
- Penetration testing

Blue Team (Defense)

Secure companies against data breaches and attacks by becoming familiar with cybersecurity defense and Security Information and Event Management (SIEM) solutions.

- Logs/log analysis
- Splunk and Security information and event management (SIEMs)
- Digital forensics
- NIST Cybersecurity Framework
- Incident response
- Cloud Foundations

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Curriculum

The week-by-week schedule and learning objectives are subject to change, but the topics will remain the same.

Career Simulation 4	Choose a real-world scenario and solution related to blue or purple team concepts.	◆ Critical thinking and evaluation
Career Success	Throughout bootcamp and beyond you'll receive career preparation assistance and job search support.	◆ Build a technical resume and craft cover letters ◆ Optimize your LinkedIn profile and network within the industry ◆ Interview and negotiation training

Industry Certification

Fullstack Academy is an AWS Authorized Training Partner. AWS Training Partners are the only organizations that can deliver or offer official AWS Training through their AWS Authorized Instructors. AWS training and certification builds your competence, confidence, and credibility with practical cloud skills that can help you innovate and advance your professional future.

Fullstack Academy prepares students for AWS Cloud Practitioner certification. **Students who successfully complete bootcamp can sign up for AWS Cloud Practitioner certification training and will receive a one-time voucher to take the exam.** Prior to taking the exam, students should also study material provided in bootcamp.

aws partner network

Training Partner

Career Success

The program includes lessons that will help you optimize your LinkedIn profile, resume, navigate the unique interview landscape, and more!

Amazon Career Choice provides you with resources to help in your job search and the Fullstack Academy Team will teach you how to leverage these resources into a potential role. Here are some lessons and opportunities that may be available to you during the Fullstack Academy x Amazon Career Choice Cybersecurity Bootcamp:

Lessons

- How to Pitch Yourself
- Technical Resume Guidance
- LinkedIn Optimization
- Navigating the Job Search Process

- Job Application Best Practices
- Interview Answer Prep
- Leveraging Transferable Skills

*Lessons are subject to change.

Make Your Move.

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fullstackacademy.com/programs/amazon-career-choice