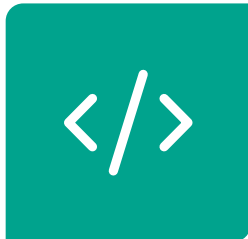




AMERICAN UNIVERSITY
WASHINGTON, DC

Cybersecurity *Career Guide*

American University

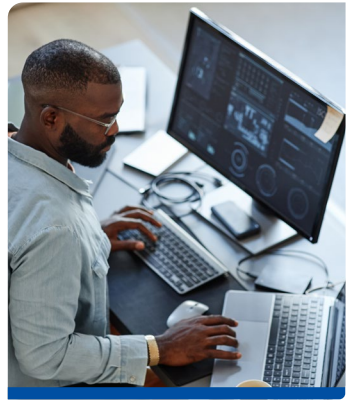


Secure Your Future

In a rapidly digitizing world, the demand for skilled cybersecurity professionals is soaring. Businesses, governments, and individuals have become increasingly reliant on digital technologies, expanding the need to safeguard sensitive information and networks.

By delving into the realm of cybersecurity, you open the doors to a multitude of exciting career paths. What you learn with the American University Cybersecurity Professional Program will **empower you to protect, defend, and ensure the seamless functioning of critical systems.**

The dynamic nature of cybersecurity necessitates continuous learning and growth. Stay ahead of the curve by mastering the **latest tools, techniques, and strategies to outsmart ever-evolving cyber adversaries.**



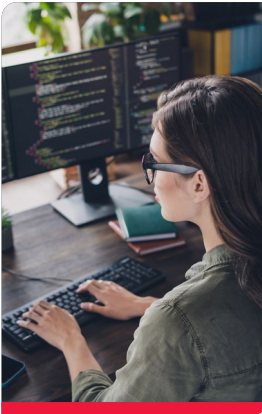
What Excites You Most About *a Career in Cyber?*

- Potential to Work from Anywhere
- Earning More than Your Current Job
- Protecting the Digital World
- Improved Job Satisfaction
- Training and Growth Opportunities
- Being a Part of an Exciting Field
- Using Your Entire Skill Set

Imagine a future where you're at the forefront of innovation, where your skills are indispensable, and where you play a pivotal role in safeguarding the digital world. Now, make it a reality with the American University Cybersecurity Professional Program.



Cybersecurity Career Stats



There are nearly

500,000

open cybersecurity jobs needing to be filled.

Source: [Cyberseek.org](https://www.cyberseek.org)

Estimates suggest that by 2030 there could be a global talent shortage of more than

85 million workers.

Source: [Weforum.org](https://www.weforum.org)





Employment of information security analysts is projected to grow

33%

from 2023 to 2033, much faster than the average for all occupations.

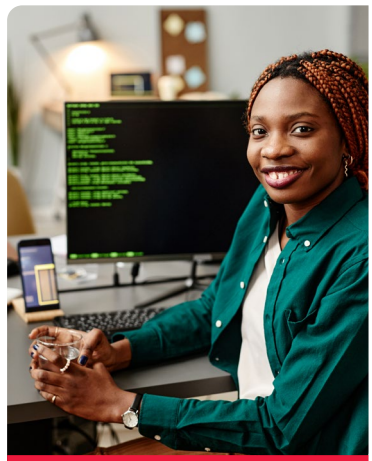
Source: [U.S. Bureau of Labor Statistics](#)



\$95,000 per year


is the national average for entry-level cybersecurity earnings.

Source: [Talent.com](#)



Cybersecurity Needs You

While AI has the potential to enhance various aspects of cybersecurity, human expertise remains crucial.

 **No matter your background, you already have essential skills needed to excel in cybersecurity. Our learners have come from varied industries and backgrounds.**

Healthcare & Nursing



Marketing & Sales



Hospitality & Retail Workers



Stay-at-Home Parents



Banking & Finance



Government Personnel



Business Owners



Real Estate

Military & Law Enforcement



Education

+ New Chat



Dwight S.

Former Program Learner



I would highly suggest this to anyone, even someone not very computer literate. By the end, you will be better than anyone you know, trust me. This is the first school I enjoyed and finished as well.”



Transform Your Skills Into *a Cyber Career*

Effective cybersecurity professionals have many non-tech skills. Differentiate yourself by drawing on your skill set from prior jobs. Which of the following are on your resume?

Communication

Adaptability

Critical Thinking

Collaboration

Problem-Solving

Leadership

Attention to Detail

Time Management

Ethical Judgment

Risk Assessment

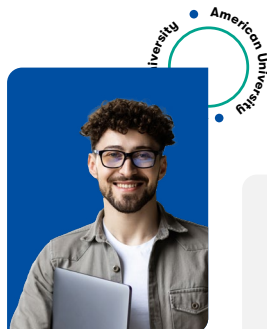
Crisis Management

Regulatory Knowledge

Customer Service

Continuous Learning

Business Acumen



Which Career Path is Right for You?

In cybersecurity, red and blue teams are terms used to describe different roles and approaches in assessing and enhancing an organization's security posture.

Red and blue teams are often used together as part of a comprehensive security strategy known as "red team-blue team exercises" or "cybersecurity war games." These exercises help organizations assess their security readiness, identify vulnerabilities, and enhance their overall cybersecurity defenses.



Red Team Careers: Offensive Cybersecurity



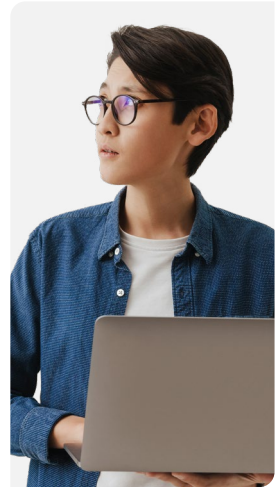
The red team is a group of cybersecurity professionals who act as "attackers" or adversaries. Their primary goal is to simulate real-world cyber threats and attempt to breach an organization's security defenses. They use various techniques, tactics, and tools to identify vulnerabilities and weaknesses in the system, network, or applications. The red team's findings help the organization understand its potential weaknesses and improve its defensive capabilities.

On average, [red team professionals](#) can earn anywhere from \$22,000 to \$151,000 or more per year, depending on their skills and expertise.

Blue Team Careers: Defensive Cybersecurity

The blue team is a group of cybersecurity professionals who act as "defenders" or the organization's security team. The blue team works to detect and respond to the red team's attacks, analyzing their tactics and learning from them to improve the organization's defensive strategies. They continuously monitor the system for signs of compromise and implement security measures to safeguard against real threats.

On average, [blue team professionals](#) can earn anywhere from \$57,000 to \$186,000 or more per year, depending on their skill level and the specific responsibilities of their role.



David S.

Former Program Learner



It's worth the investment. The people are there for you. You have the support network that's actually there to get you into the career and make sure you're successful."



What Jobs Will You Qualify For?

Cybersecurity is a diverse field requiring professionals with varied interests and skills. The [National Initiative for Cybersecurity Education \(NICE\) Cybersecurity Workforce Framework](#), a nationally recognized resource, helps employers build and enhance their cybersecurity teams. Aligned with the NICE Framework, the American University Cybersecurity Professional Program equips learners with in-demand skills for success across key work roles. Here's a closer look:

Systems Security Analysis

Responsible for developing and analyzing the integration, testing, operations, and maintenance of systems security. Prepares, performs, and manages the security aspects of implementing and operating a system.



Defensive Cybersecurity

Responsible for analyzing data collected from various cybersecurity defense tools to mitigate risks.

Incident Response

Responsible for investigating, analyzing, and responding to network cybersecurity incidents.



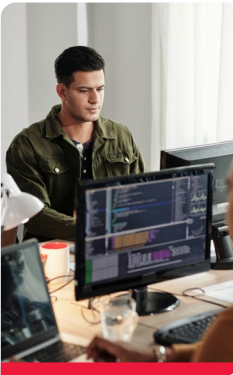
Digital Forensics

Responsible for analyzing digital evidence from computer security incidents to derive useful information in support of system and network vulnerability mitigation.



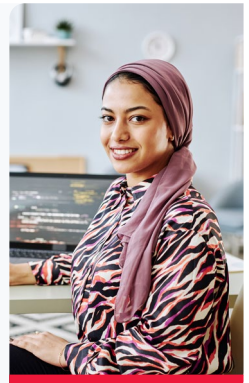
Systems Administration

Responsible for setting up and maintaining a system or specific components of a system in adherence with organizational security policies and procedures. Includes hardware and software installation, configuration, and updates; user account management; backup and recovery management; and security control implementation.



Network Operations

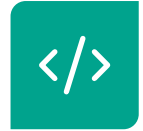
Responsible for planning, implementing, and operating network services and systems, including hardware and virtual environments.



Career Support

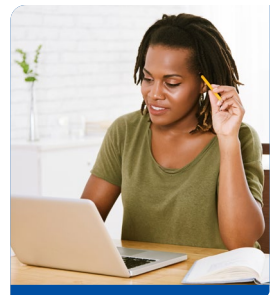
The American University Cybersecurity Professional Program provides more than just the training and skills you need to succeed—it also includes a team of passionate individuals committed to helping you achieve your professional aspirations.

When you join the Complete Program, you have access to cutting-edge career development resources, transformational career coaching, high-impact industry events, and industry partners to become your best career advocate and build the future you want for yourself.



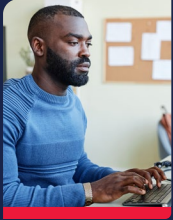
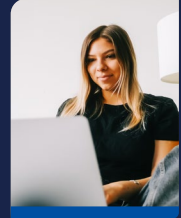
- Interview Coaching
- Custom Resume Planning
- Professional Networking
- Job Search Assistance
- LinkedIn Profile Building
- Career Path Advising

Program participants have secured positions at leading companies with the help of our Career Coaching experts and Career Outcomes team.



Work with your Career Coaching Team to:

- Create a Technical Resume
- Create a LinkedIn Profile
- Develop a Job Search Strategy



Attend Career Outcomes events to:

- Gain Diverse Industry Insights
- Engage With a Panel of Experts
- Start Building Your Network

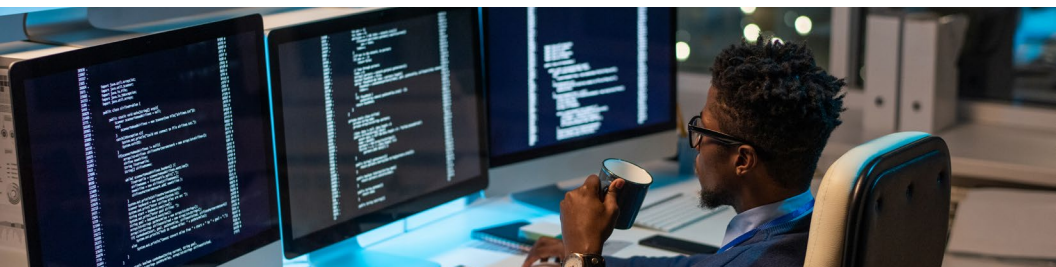


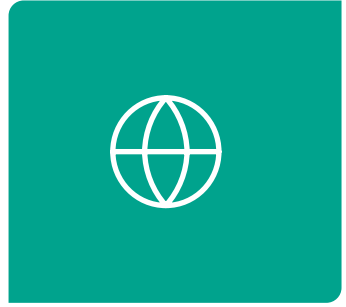
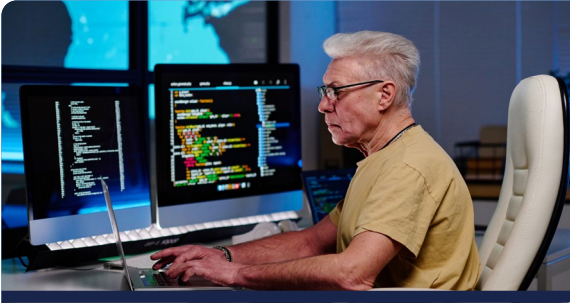
Stephen B.

Former Program Learner



"I'm learning something new, I'm building that arsenal of skills that I can take to the job market, and it just, I guess, bolsters that decision and reiterates what I feel was a very good decision to enroll in American University's Cybersecurity Program."





To learn more about how to get qualified for a career in cybersecurity, contact us to schedule a call with a member of our Admissions Team.

