

Cybersecurity Bootcamp

Become a Cybersecurity Professional for the AI Economy - Learn Cybersecurity, AI Workplace Skills & Career Readiness

About Vijay Computer Academy



Vijay Computer Academy (VCA) is a GLOBAL Workforce Transformation Institution empowering learners to transform their future through technology education, workforce-ready skills, employer-aligned career training, industry-recognized IT certifications, and workforce-funded career pathways.

For over 35 years, VCA has helped beginners, career changers, and aspiring professionals build confidence, develop job-ready skills, and access meaningful opportunities in today's evolving digital and AI-driven economy.

Program Highlights



Vijay Computer Academy's Cybersecurity Bootcamp is a 15-week, instructor-led online program designed to prepare beginners for entry-level careers protecting digital assets in the AI economy. Participants gain hands-on experience with networking, ethical hacking, cloud security, and encryption methods while also developing AI workplace productivity and career readiness skills. The program aligns with industry certificates like CompTIA Security+ and CEH, equipping learners with the practical knowledge needed to succeed as cybersecurity support technicians or defense analysts.

- **Beginner-first design:** Starts with the very basics of computers and gradually builds up.
- **Format:** Live, instructor-led online classes offered over Zoom
- **Tools:** Wireshark, Nmap, Burp Suite, Metasploit (basic), Kali Linux, OpenSSL, GPG, Autopsy, AWS Security Console, Docker (basic), Splunk (basic), GitHub (for DevSecOps basics)
- **Capstone Project:** Students apply everything learned to a real-world analysis project.
- **Career Support:** AI powered career support resources.
- **NEW:** AI Workplace Productivity & Career Readiness Program Included

Duration: 15 Weeks (150 Hours) (4 months)

Prerequisite:

- No prior IT skills or tech experience required
- Working knowledge of English language is required



Program Curriculum

Module
Cybersecurity Foundations
Networking & Secure Infrastructure
Ethical Hacking Fundamentals
Python for Cybersecurity & Automation
Cloud Security (AWS)
Incident Response & SOC Operations
AI in Cybersecurity Operations
Generative AI for Cybersecurity Analysts
Security Automation & AI-Powered Python
SOC Simulation Lab
Capstone Project
Cybersecurity Career & Certification Prep

Module Description

Cybersecurity Foundations
Learn the core concepts of cybersecurity, including threats, vulnerabilities, risk management, and security best practices.

Networking & Secure Infrastructure

Build a strong understanding of computer networks, network protocols, and how to secure modern IT infrastructure.

Ethical Hacking Fundamentals

Explore penetration testing techniques and learn how ethical hackers identify and assess security weaknesses.

Python for Cybersecurity & Automation

Use Python programming to automate security tasks, analyze data, and develop practical cybersecurity tools.

Cloud Security (AWS)

Learn the fundamentals of securing cloud environments, with a focus on Amazon Web Services (AWS) security services and best practices.

Incident Response & SOC Operations

Gain hands-on experience in detecting, investigating, and responding to cyber incidents while understanding the daily operations of a Security Operations Center (SOC).

AI in Cybersecurity Operations

Discover how artificial intelligence is transforming threat detection, security monitoring, and cyber defense strategies.

Generative AI for Cybersecurity Analysts

Learn how to leverage generative AI tools to improve security analysis, automate workflows, and enhance productivity.

Security Automation & AI-Powered Python

Combine Python scripting with AI technologies to automate repetitive security tasks and build intelligent security solutions.

SOC Simulation Lab

Apply your knowledge in a realistic Security Operations Center environment by investigating alerts and responding to simulated cyber attacks.

Capstone Project

Complete a comprehensive, real-world cybersecurity project that showcases your technical skills and problem-solving abilities.

Cybersecurity Career & Certification Prep

Explore the SOC Analyst career path, learn strategies for positioning your resume for entry-level cybersecurity roles, practice common interview scenarios, receive guidance on industry certifications such as CompTIA Security+ and AWS fundamentals, and assess your job readiness through a structured career mapping process.

Program Outcome



✓ Earn **Cybersecurity Bootcamp Completion Certificate**

✓ Students gain exposure to learning content aligned with the objectives of the following industry-recognized IT certifications:

- [CompTIA Security +](#)
- [ISC2](#)
- [Certified Ethical Hacker \(CEH\)](#)
- It also builds practical AI workplace skills and foundational AI literacy aligned with leading global programs such as DeepLearning.AI – AI For Everyone, Google AI Essentials, and IBM AI Foundations.

Please note: The program curriculum is aligned with relevant certification exam objectives; however, the program does not include dedicated exam preparation instruction, structured certification prep hours, or exam coaching.

✓ [Pathway to entry level job opportunities](#)

✓ [VCA AI-powered job search resources](#) to navigate the job market

Career Outcome

Top Cybersecurity & AI-Enabled Roles Our Program Can Help You Prepare For – Your \$69K+ Career Starts Here:

Cyber Security Support Technician

Cyber Defense Analyst

IT Auditor

Penetration & Vulnerability Tester and more.

Enrollment Process

1. Schedule a Discovery Call

The student contacts VCA and schedules a discovery call with an advisor.

2. Choose the Right IT Program

An advisor helps the student identify the best IT program and career pathway based on their goals. Students can also:

- Watch recorded information sessions for detailed program insights.
- Book a personalized career consultation by phone or Zoom to ask further questions.

3. Select Payment or Funding Options

Once the student decides on a program, VCA helps them choose and set up the most suitable tuition payment or funding plan.

4. **Complete Enrollment Paperwork**

While funding and payment arrangements are being finalized, VCA guides the student through the required enrollment documents.

5. **Receive Class Access & Begin Training**

After enrollment and payment process is complete, the student receives their Zoom class link and is ready to start training.

Contact Us



- [Inquiry Form](#)
- Book a [FREE call with our admission team](#)
- Schedule a [personalized career consultation](#)
- Call / Text / WhatsApp us at [+1-832-469-1314](#)
- [Free info sessions and trial class](#)

Transforming lives through technology!