

# CyberSecurity Bootcamp Syllabus

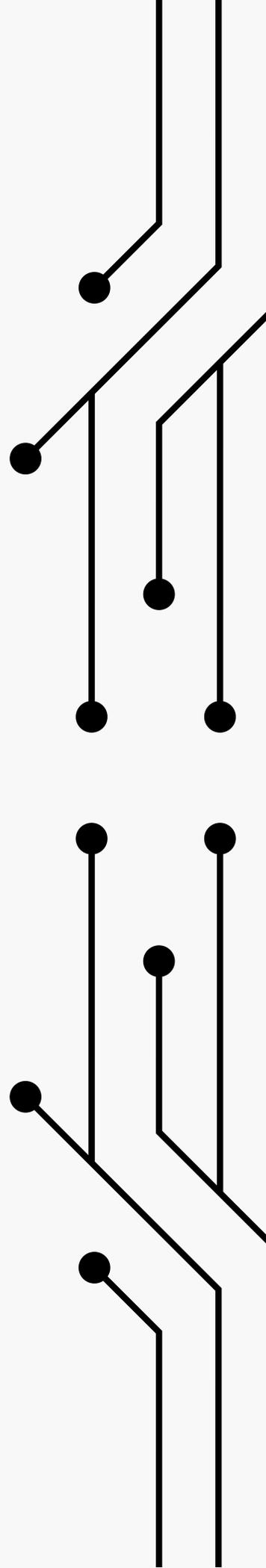
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## 15-Week Certificate Course

Brought to you by your institution in partnership with:

**Upright**

Upright Education helps people build in-demand skills by teaming up with colleges and mission-driven organizations to offer practical, career-focused training programs built for today's job market.



# Overview

## What is CyberSecurity?

Cybersecurity is the practice of protecting digital systems, networks, and data from unauthorized access, damage, or disruption. It involves identifying threats, defending against attacks, and ensuring that sensitive information stays secure. From securing cloud infrastructure to preventing phishing scams, cybersecurity is essential for keeping organizations safe, compliant, and resilient in a connected world.

## The Growing Demand for CyberSecurity Talent

As digital threats evolve and multiply, organizations are under pressure to secure their data, infrastructure, and operations. Skilled cybersecurity professionals are no longer optional, they are critical. This bootcamp program is built to help you break into one of the most essential and fastest-growing fields in tech.

## Learning Outcomes

By completing this certificate program, you will:

- Understand and apply core security principles and frameworks
- Detect and mitigate security threats and vulnerabilities
- Respond to and investigate real-world security incidents
- Build secure networks and systems that align with compliance standards
- Prepare for professional certification exams including Security Plus

# Get Certified

## CompTIA Security+ Certification

The course includes the CompTIA Security+ certification exam, a globally recognized credential that proves foundational cybersecurity skills and is a key first step into the field.



# Program

## Course Structure

This is a **15-week, part-time program** built for working adults and career changers.

The course meets twice per week in the evenings on **Mondays & Thursdays from 6 PM to 9 PM EST.**

Expect to spend **20 to 25 hours per week** on a mix of live instruction, guided projects, independent study, and hands-on labs.

### Each week includes:

- Two live sessions led by expert instructors
- Practical assignments that simulate real-world security challenges
- Interactive labs using professional tools
- Career development activities to build your job readiness

By the end of the course, you'll have a complete capstone project and the skills to confidently pursue a cybersecurity role.

## Career Services

You'll have access to unlimited career support from day one through job placement and beyond. Our team works with you 1 on 1 to help you identify your goals, refine your story, and break into the field with confidence.

### Each week includes:

- Personalized coaching to build your job search strategy
- Resume and LinkedIn optimization
- Interview practice and technical prep
- Salary negotiation guidance
- Lifetime access to our job board and alumni network

Whether you're switching careers or upskilling in your current role, we help you turn your training into real-world results.

# | Is It For You?

This course is for professionals who want to future-proof their career and step confidently into a security-first world. No prior tech experience required. Ideal for career switchers, IT support staff, veterans, educators, and anyone ready to level up in a high-impact field.

## **Career Starters & Switchers**

Why this course?

- Learn job-ready cyber skills with hands-on labs
- Get personalized career coaching and job support
- Build a portfolio and prep for certification

## **IT Professionals & Tech Workers**

Why this course?:

- Learn to secure infrastructure & respond to threats
- Learn encryption, threat detection & crisis handling
- Prepare for leadership in security-focused teams

## **Freelancers, Veterans & Adult Learners**

Why this course?:

- Gain expertise that is respected across industries
- Use your background to unlock new income
- Learn real-world defensive skills without a degree



# Inside the Experience

## **BUILD TECHNICAL SKILLS THAT MATTER**

Learn how to secure systems, detect vulnerabilities, and prevent attacks using industry-standard tools in hands-on labs and guided projects.

## **PRACTICE WITH REAL-WORLD TOOLS AND SCENARIOS**

Apply what you learn in labs and exercises designed to simulate actual threats and incidents so you gain experience that transfers directly into the workplace.

## **LIVE INSTRUCTION AND CAREER SUPPORT**

Join live expert-led sessions each week where you'll explore new content, work through challenges, and prepare for your job search with ongoing guidance.

## **CAPSTONE PROJECT FOR JOB-READY PROOF**

Wrap the course with a capstone project that applies your skills to a real-world security scenario, including a professional-level report and presentation.

## **UNLIMITED CAREER COACHING**

Work one-on-one with a career coach to set goals, improve your resume and LinkedIn, prepare for interviews, and negotiate offers.

## **COMPTIA SECURITY+ CERTIFICATION EXAM**

You'll also prepare for the CompTIA Security+ certification, one of the most widely recognized credentials in the industry, with targeted instruction, practice exams, and hands-on labs.





# Powered by Experts

## Learn from professionals who work in the field

Our instructors are more than just teachers. They're seasoned cybersecurity practitioners with experience in IT, compliance, defense, and enterprise security. They've worked in the environments you're preparing for, and they bring that real-world perspective to every session.

## What you can expect

- Live instruction led by industry experts
- Practical insights grounded in current threats and tools
- Personalized feedback on your projects and labs
- Mentorship that helps you grow your confidence and skills

They're here to push you, support you, and make sure you're prepared for the realities of working in cybersecurity.

## Tools and Technologies

Here are some of the tools and technologies you'll learn to use throughout the course. These may shift slightly based on updates in the field or instructor preference, but all are widely used across the cybersecurity industry

- Nessus – Vulnerability scanning
- Wireshark – Network traffic analysis
- Splunk – Security information and event management (SIEM)
- Metasploit – Penetration testing and exploit development
- Autopsy – Digital forensics
- Sysinternals Suite – Advanced Windows diagnostics
- OpenSSL – Encryption and certificate management
- Cisco Packet Tracer – Network simulation and architecture
- SIEM Tools – Broader exposure beyond Splunk

# Curriculum

## Pre-Work: CyberSecurity Foundations

This preparatory course ensures learners have a solid foundation before beginning the bootcamp. It introduces the key concepts, tools, and basic skills needed to succeed in cybersecurity. Learners will become familiar with virtual machines, basic networking, and cybersecurity tools.

### Course 1

## CYBERSECURITY FUNDAMENTALS

Explore core cybersecurity concepts and principles including governance frameworks and risk management. Learn how to secure systems and networks, evaluate threats, and implement basic defensive strategies.

### Key skills

- Threat detection
- Network fundamentals
- Security governance
- Nessus
- Wireshark
- Splunk

“

The labs were intense in the best way. We were learning tools and applying them like we were already on the job. It gave me a real sense of what it's like to work in the field.

- **Daniel R.**  
Security Analyst in Training



## Course 2

### **ADVANCED NETWORKING & CRYPTOGRAPHY**

Dive into secure network design and cryptographic techniques. Learn how encryption and authentication keep data secure across systems. Practice using key tools to manage identity and defend against common attacks.

#### **Key skills**

- Cryptography
- Secure communication
- Identity management
- Key tools
- OpenSSL
- Cisco Packet Tracer
- SIEM tools

## Course 3

### **SECURITY OPERATIONS & INCIDENT RESPONSE**

Learn how to manage threats in real time. From vulnerability scanning to forensic analysis, you will build skills in active threat detection, response planning, and breach recovery.

#### **Key skills**

- Penetration testing
- Incident response
- Regulatory compliance
- Key tools
- Metasploit
- Autopsy
- Sysinternals

## Course 4

### COMPTIA SECURITY+ PREP

This course is dedicated to preparing for the CompTIA Security+ certification exam. Through a combination of practice exams, targeted review, and hands-on labs, you will gain the confidence and knowledge needed to excel in the certification process.

#### Key sections

- Security Operations
- Security Architecture
- Threats and Vulnerabilities
- Real-World Scenario Practice
- Timed Practice Exams

# Completion

## CERTIFICATE OF COMPLETION

Gain real-world skills and earn a recognized credential.

The course includes online content, live sessions, activities, labs and challenges, and hands-on projects. To earn your award of completion, you must attend live sessions, complete all assignments, and receive a passing grade.



**UNIVERSITY**

This certificate of completion is proudly awarded to

**Amy Donovan**

For the successful completion of the program  
conducted by Upright Education and University  
between the dates of January 1st - April 4th

*Mary Brandt*

Dr. Mary Brandt  
Dean of Continuing Education

Awarded on the 4th day of April



# | FAQs

## **DO I NEED A TECHNICAL BACKGROUND TO SUCCEED IN THIS COURSE?**

No. This course is beginner-friendly and designed to take you from foundational concepts to job-ready skills, even if you're new to tech. However, the course is technical in nature and learning the technology does become more complex throughout the program, so a base-level digital literacy is required.

## **WILL I BE CERTIFIED WHEN I FINISH THE COURSE?**

You'll be prepared to sit for the CompTIA Security+ exam, and your course includes the cost of the certification test.

## **IS THIS COURSE LIVE OR SELF-PACED?**

It's a mix of both. You'll attend live online sessions twice per week and work on assignments, labs, and projects on your own schedule between sessions.

## **CAN I TAKE THIS PROGRAM WHILE WORKING?**

Yes. This program is built to fit around a full-time job, with evening classes and flexible weekly assignments. That said, it's called a bootcamp for a reason—you should expect a challenging workload that will push you to stay focused and committed each week.

## **WHAT KIND OF JOB CAN I GET AFTER THIS COURSE?**

Graduates are qualified for entry-level roles like Security Analyst, SOC Analyst, IT Support with Security Focus, or Network Security Specialist.



# | FAQs

## **HOW INTENSE IS THE PROGRAM?**

This is a rigorous, fast-paced course designed to prepare you for real-world cybersecurity work. You should plan to dedicate 20 to 25 hours per week and come ready to engage, practice, and push yourself. The more you put in, the more you'll get out.

## **WHAT IF I FALL BEHIND?**

You'll have access to instructor support, a learner success team, and live office hours to help you stay on track.

## **IS JOB PLACEMENT GUARANTEED?**

We don't guarantee a job, but we do provide unlimited career support to help you get there. You'll work one on one with a coach, build a professional portfolio, and get guidance every step of the way—from job search strategy to interview prep.

## **IS THERE A FINAL PROJECT?**

Yes. You'll complete a real-world capstone that pulls together everything you've learned and gives you a portfolio-ready piece to show employers.

## **HOW DO I GET HELP FINDING A JOB?**

You'll work 1 on 1 with a career coach to refine your resume, prep for interviews, and map out your job search strategy.

## **WHAT HAPPENS AFTER THE 15 WEEKS ARE OVER?**

You'll keep access to course materials and tools for three more months, plus ongoing support as you continue your job search.



# | FAQs

## **CAN I ENROLL FROM OUTSIDE THE U.S.?**

At this time, enrollment is only open to learners located within the United States.

## **HOW MUCH DOES THE COURSE COST?**

The full program is priced at \$6,495, which includes all tools, support services, and your certificate.

## **DO YOU OFFER FINANCING OPTIONS?**

Yes, we offer flexible payment options, including payment plans, education loans, and pay in full discounts.

## **CAN MY EMPLOYER PAY FOR THIS COURSE?**

Absolutely. We can provide invoices or documentation to support employer reimbursement or tuition assistance programs.

## **DO YOU OFFER REFUNDS?**

Yes, we offer a 7-day refund period from your start date. Full refund policy and details located in the enrollment agreement.

## **ARE THERE EXPECTATIONS AROUND CONDUCT AND PARTICIPATION?**

Yes. We expect all learners to show up on time, engage respectfully in class, and take ownership of their work. This is a professional training environment. Learners who fail to adhere to the rules regarding conduct and participation pursuant to the enrollment agreement may be asked to leave the program.

**Want to know more?**

# Contact Us

If you have any questions about the program or the admissions process, feel free to get in touch using the email address below or give us a call. You can also apply directly via our website.



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