

# A CAREER IN CYBERSECURITY COULD BE FOR YOU



Southwest Connecticut  
**TECHHUB**  
CTTechHub.org

## START YOUR CAREER HERE:

### Systems Admin with Security Focus

Starting Average Salary: **\$61,000**

Systems Administrators with a focus on cybersecurity maintain and secure networks, ensuring that access controls and system defenses are in place. They manage system updates and troubleshoot vulnerabilities in real time.

### Cybersecurity Analyst

Starting Average Salary: **\$70,000**

A Cybersecurity Analyst monitors systems, detects threats, and implements protections against cyberattacks. Analysts also address vulnerabilities and document security measures to prevent future breaches.

## HERE ARE SOME FUTURE ROLES:

### Penetration Tester

Starting Average Salary: **\$78,000**

Penetration Testers, or ethical hackers, conduct simulated cyberattacks to uncover vulnerabilities and help organizations improve security.

### Cloud Security Engineer

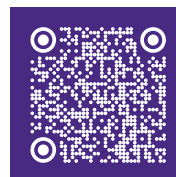
Starting Average Salary: **\$95,000**

Focuses on securing cloud platforms and applications, ensuring compliance and managing risks in dynamic cloud environments.

### Information Security Manager

Starting Average Salary: **\$115,000**

Information Security Managers lead teams to implement and maintain security policies and strategies, overseeing compliance with industry standards.



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Careers in CT**

Salary data compiled from CT DOL Office of Research, Labor Market Information

# CYBERSECURITY RESOURCES

Here you'll find education options, starter projects, and local organizations, so you can discover more about this career path.

## Three Education Options for **A Career in Cybersecurity:**

### Direct-to-Workforce Technical Training.

Organizations such as [The Workplace](#) provide short-term, virtual training for roles like Cybersecurity Analyst and Systems Administrator with a security focus.

### Two-Year Associate Degree Programs.

[CT State Norwalk](#) offers an Associate Degree in Computer Science with a cybersecurity focus, ideal for entry-level jobs or transfer to four-year universities.

### Four-Year Bachelor's and Master's Programs.

[University of Connecticut \(UConn\)](#) offers a BS in Computer Science with a Cybersecurity concentration, blending technical training with real-world applications.

## Three Great Projects for **Exploration:**



### Set Up a Secure Home Network

Configure a router with strong passwords and WPA3 encryption, monitor traffic using Wireshark, and implement firewall rules. This project teaches basic networking and cybersecurity practices.



### Analyze a Cybersecurity Breach

Research and document a real-world cyberattack, such as a ransomware incident, detailing the methods used and how the company recovered.



### Participate in Online Challenges

Join Capture the Flag (CTF) platforms like Hack The Box to solve cybersecurity puzzles and test penetration testing skills in a guided environment.

## Additional Resources:

### [NE Cyber Council:](#)

A virtual and physical hub for cybersecurity that offers events, networking, learning, and industry development opportunities.

### [ISSA Connecticut Chapter:](#)

Get networking opportunities, professional development, and resources for cybersecurity professionals in the area.



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