

Cybersecurity

Create the Defense

Professionals **prevent potential threats** using:

- Firewalls
- Multi-factor authentication
- Strong password protocols
- Antivirus and anti-malware software
- Educating employees about cybersecurity risks and testing systems

Job titles can include:

- Cybersecurity Analyst
- Security Architect
- Vulnerability Analyst

Tech background necessary:

- Often requires a background in computer science or information assurance

Cybercrime

Investigation and Justice

Professionals pursue justice in many ways:

- Build cases with evidence for court
- Help corporate teams manage risks and support ethical standards
- Trace fraudulent transactions
- Ensure company compliance to federal regulations
- Bring criminals to justice for offenses such as identity theft, phishing schemes, ransomware attacks and cyberextortion

Job titles can include:

- Cybercrime Investigator
- Financial Fraud Investigator
- Digital Forensics Analyst
- Data Recovery Specialist
- Malware Analyst

No tech background required:

- Cybercrime graduate programs such as the one at USF does not require a technical background.
- USF students learn how to investigate and provide evidence, understand criminal motives and patterns, and apply forensic methods