

Please utilize the following resources to prepare for your competition. These resources are open-source and available to you free of charge; you should never need to register to access any of the following content. If you encounter any issues accessing a link, please email Dr. Tahir M. Khan at tm-khan@wiu.edu.

Cybersecurity Fundamentals:

- [Virtual Private Network](#)
- [Firewall](#)
- [Asymmetric Cryptography](#)
- [One Time Password](#)
- [Stop Zero-Day Attacks With ESET](#)

Cyber Threats and Attacks:

- [Mitigating Brute-Force Attacks](#)
- [DDoS Attack](#)
- [Ransomware](#)
- [Social Engineering](#)
- [Out-of-the Box PC Security](#)

Famous Hacks and Breaches:

- [Security Breach](#)
- [Equifax Data Breach Settlement](#)
- [Target Data Breach](#)
- [Uber Investigating Breach](#)
- [WannaCry Ransomware](#)

Cybersecurity Careers and Certifications:

- [CompTIA Security+ Certification](#)

- [Ethical Hacking vs Penetration Testing](#)
- [CISSP Certification Training Course](#)
- [SOC Analyst](#)
- [GIAC Certified Incident Handler Certification \(GCIH\)](#)

Linux:

- [Linux Commands](#)

Digital Forensics:

- [Digital Forensics \(Read Chapter 1\)](#)

Cryptography:

- [Cryptography](#)
- [Symmetric and Asymmetric Cryptography](#)

Steganography:

- [Steganography Types](#)
- [Steganography](#)