

# CYBER SECURITY FOR BEGINNERS

1. Modern Computing Technologies and Operating Systems
  - a. Common Computer Hardware
  - b. Operating Systems (Windows, Linux, Mac)
  - c. Intro to Command Line and Terminal
  - d. Basic Computing Concepts and Functions
2. Introduction to Cybersecurity
  - a. Intro to Cybersecurity Careers
  - b. Cybersecurity Principles and Core Concepts
  - c. Intro to Basic Networking & Cloud Technologies
  - d. Common Security Frameworks and Polices
  - e. Command Line and Terminal
3. Foundations of Computer Operations
  - a. Linux Diagnostics and IT Service Delivery
  - b. Windows Diagnostics
  - c. Software, Networking, Virtualization & Cloud
  - d. Computing
4. Networking & System Administration
  - a. Server Administration and Management
  - b. Network Infrastructure and Design
  - c. Network Security
5. Cybersecurity Governance & Operations
  - a. Governance, Risk, and Compliance (GRC)
  - b. Data Security
  - c. Security Operations 1
  - d. Cloud Security
6. Threat Management and Penetration Testing
  - a. Threat Modeling and Analysis
  - b. Threat Hunting
  - c. Web Application Security
  - d. Penetration Testing
7. AI in Cybersecurity
  - a. Leverage AI technologies
  - b. Integrate generative AI modules