

TechyJaunt Cybersecurity Beginner's Curriculum

MODULE

TOPIC

SUB-TOPIC

1. Introduction to Cybersecurity

Basics of cybersecurity, understanding cyber threats, attack landscape, and the principles of security.

2. Various Cyber-attack

Understanding the various cyber attacks with real world scenarios.

3. Cyber Hygiene

Strong password habits, password management, password attacks and best practices for staying safe online.

4. Introduction to Networking

Networking terminologies and basics, network media, models and IP addressing

5. Network Defense

Understanding Network attacks, network security and practical traffic analysis

6. Introduction to Incident Response

The Incidence response lifecycle, cost of cybercrime and packet capture analysis

7. Security Policies and Compliance

Developing and implementing security policies, compliance frameworks and data privacy regulations

8. Security Measures

Using Endpoint Security and Cryptography to prevent unauthorized access, ensure data confidentiality and identify, assess and prioritize security vulnerabilities with Risk Management

9. Social Engineering Awareness

Recognizing social engineering attacks, phishing, basic social engineering defense and practical phishing simulation

10. Introduction to Cloud Security

Understanding cloud computing security basics, and Identity and Access Management (IAM)

11. Offensive Security

Introduction to Penetration Testing, Threat Intelligence and measures for secure web browsing

12. Beginner Certifications

Overview of entry-level certifications like ISC2 CC, CompTIA A+ and career paths in Cybersecurity