



3 Months Certification Course

Syllabus 2026

# Cyber Security

Prepared By:  
**TECH ENGINEER, Mohali**

This Cyber Security program is designed to provide complete theoretical & practical knowledge of online and offline security tools and strategies. Students will learn how to be secure & safe from cyber frauds / crime and build successful careers.

# PROGRAM IS BEST SUITED FOR



Entrepreneurs



College Students



Marketing Professionals



Job Seekers

## WHY YOU SHOULD LEARN CYBER SECURITY

Learning cybersecurity is one of the most strategic moves you can make in the digital age, whether for professional growth or personal safety.

1. **High Demand:** Jobs for information security analysts are projected to grow 33% through 2033, far outstripping most other industries.
2. **Competitive Salaries:** Due to the skill shortage, salaries are among the highest in the IT sector. Entry-level roles can average around \$92,000–\$93,500 per year, while senior roles like Chief Information Security Officer (CISO) can exceed \$250,000–\$273,000.
3. **Variety of Specialties:** You aren't locked into one path. You can specialize in Ethical Hacking, Digital Forensics, Cloud Security, Risk Management, or Incident Response.
4. **Societal Contribution:** Your work directly prevents identity theft, financial fraud, and data breaches for millions of people.
5. **Protect Yourself:** Learning the basics empowers you to secure your own devices, passwords, and banking details against phishing and malware.
6. **Accessibility:** You don't always need a computer science degree to start. Many enter the field through certifications (like CompTIA Security+) or self-study platforms like TryHackMe and Hack The Box

By learning Cyber Security, you gain the ability to safe and secure from online frauds and cyber crimes, and will get functional digital experiences.

## **Module-I: Introduction to Cyber security**

- Defining Cyberspace
- Overview of Computer and Web-technology
- Communication and web technology
- Internet, World wide web, Advent of internet,
- Internet society & Regulation of cyberspace
- Concept of Cyber Security
- Issues and challenges of Cyber Security.

**Learning Outcomes:** After completion of this module, students would be able to understand the concept of Cyber security and issues and challenges associated with it.

## **Module-II: Cyber crime and Cyber law**

- Classification of cyber crimes
- Common cyber crimes
- Cyber crime targeting computers and mobiles
- Cyber crime against women and children
- Financial frauds
- Reporting of cyber crimes
- Cyber crime and offenses

**Learning Outcomes:** Students, at the end of this module, should be able to understand the cyber crimes, their nature, legal remedies and as to how report the crimes through available platforms and procedures.

## **Module-III: Social Media Overview and Security**

- Introduction to Social networks
- Types of Social media
- Social media platforms
- Social media monitoring
- Hashtag and Viral content
- Social media marketing
- Social media privacy
- Social Media Best practices
- Case studies

**Learning Outcomes:** On completion of this module, students should be able to appreciate various privacy and security concerns on online Social media and understand the reporting procedure of inappropriate content, underlying legal aspects and best practices for the use of Social media platforms.

## **Module IV: E-Commerce and Digital Payments**

- Definition of E- Commerce
- Main components of E-Commerce
- Elements of E-Commerce security
- E-Commerce threats
- Modes of digital payments -
  - Banking Cards,
  - Unified Payment Interface (UPI),
  - e-Wallets,
  - Aadhar enabled payments
- Digital payments related common frauds and preventive measures.

**Learning Outcomes:** After the completion of this module, students would be able to understand the basic concepts related to E-Commerce and digital payments.

## **Module V: Digital Devices Security, Tools and Technologies**

- End Point device and Mobile phone security
- Password policy
- Security patch management
- Data backup & Downloading
- Wi-Fi security
- Configuration of basic security policy and permissions

**Learning Outcomes:** Students, after completion of this module will be able to understand the basic security aspects related to Computer and Mobiles. They will be able to use basic tools and technologies to protect their devices.



# Certificate

Upon completing this Certification course, you will receive a program completion certificate from Tech Engineer, Mohali (Pb). This certificate will testify to your skills as an expert in the completed course.

# Contact Us

## Visit Our HQ

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