PROFESSIONAL

TECHELEARN

IT TRAINING — TE

HANDBOOK

CYBER SECURITY CERTIFICATION COURSE

Cyber Security Certification Course

"Protect the Digital World – Become a Cyber Security Expert"

In an increasingly connected world, cyber threats are more pervasive than ever. As the number of cyberattacks skyrockets, businesses and governments need **skilled cybersecurity professionals** to defend their networks and data. The **Cyber Security Certification Course** at **TECHELEARN** provides you with the knowledge and practical skills required to safeguard digital assets, detect cyber threats, and prevent data breaches.

This course is designed to give you hands-on training in the most crucial aspects of cybersecurity, including ethical hacking, incident response, digital forensics, and more. With content based on internationally recognized certifications like **Ethical Hacking and Digital Forensics**, our training equips you to tackle the most sophisticated cyber threats.

Why Learn Cyber Security?

The cyber security industry is growing rapidly as organizations worldwide recognize the critical importance of protecting their data and systems. By becoming a certified cybersecurity professional, you will be poised to take advantage of this booming industry, which is expected to continue expanding in the coming years.

- **High Demand**: Cybersecurity professionals are in high demand as businesses seek to protect their networks and systems from increasing cyber threats.

- **Lucrative Career**: Cybersecurity professionals can exp/ect high salaries, with many positions offering attractive compensation packages.

- **Diverse Opportunities**: With knowledge in ethical hacking and digital forensics, you can pursue a variety of career paths, including penetration testing, network security, and cybercrime investigation.

💼 Why Learn Cyber Security?

Our **Cyber Security Certification Course** offers a comprehensive curriculum based on industry-leading standards, including content from **Ethical Hacking and Digital Forensics**. Upon successful completion, you will be equipped with the skills to defend against cyber threats and ensure the safety and integrity of networks and data.

Core Areas of Learning:

1. **Ethical Hacking**
   - Introduction to Ethical Hacking
   - Phases of Ethical Hacking: Reconnaissance, Scanning, Enumeration, Gaining Access, Maintaining Access, and Covering Tracks

- o Penetration Testing Techniques: Footprinting, Scanning Networks, Enumeration, System Hacking, Web Application Hacking.
- o Attack Strategies: DDoS, Social Engineering, Malware, SQL Injection, and more
- o Tools of the Trade: Kali Linux, Metasploit, Wireshark, Burp Suite, and others
- o Security Protocols and Encryption Techniques

2. **Cyber Incident Response & Forensics**
   - o Introduction to Digital Forensics
   - o Cyber Incident Response Life Cycle
   - o Forensic Investigation Techniques: Data Acquisition, Evidence Preservation, and Analysis
   - o File System and Network Forensics
   - o Malware Forensics: Detecting and Analyzing Malicious Software
   - o Digital Evidence Recovery: Identifying and Handling Evidence from Different Devices
   - o Legal and Ethical Issues in Cyber Forensics.

3. **Cyber Security Policies and Procedures**:
   - o Understanding Security Policies and Risk Management

- o Security Frameworks: NIST, ISO 27001, PCI DSS
- o Incident Handling and Response Plan
- o Compliance and Legal Considerations in Cyber Security
- o Cyber Security Threat Intelligence and Analysis

4. **Network Security**:
- o Network Security Fundamentals: Firewalls, IDS/IPS, VPNs, and more
- o Wireless Network Security
- o Security in Network Protocols (TCP/IP, DNS, HTTP)
- o Securing Wireless Networks (Wi-Fi, Bluetooth)
- o Cloud Security: Protecting Cloud Infrastructure and Data

5. **Advanced Cyber Threats**:
- o Advanced Persistent Threats (APTs) and Mitigation Techniques
- o Zero-Day Exploits and Attack Vector Analysis
- o Cyber Crime and Cyber Warfare: A Global Overview
- o Advanced Hacking Techniques and Tools

- **Industry-Leading Curriculum**: Based on international Cyber Security certification, our curriculum incorporates best practices in ethical hacking, incident response, and digital forensics, ensuring you're prepared for the most in-demand cybersecurity roles.

- **Practical, Hands-On Training**: Engage in practical scenarios and real-world case studies using industry-standard tools and techniques.

- **Expert Instructors**: Learn from experienced cybersecurity professionals who bring years of expertise in ethical hacking, incident response, and digital forensics.

- **Global Certification**: Earn a globally recognized certification that demonstrates your proficiency in protecting networks, systems, and data from cyber threats.

- **24/7 Support**: Our dedicated support team is available to assist you throughout the course, ensuring you have an uninterrupted learning experience.

- **Job Assistance**: Receive career support and placement assistance to help you transition from learning to the workplace with ease.

The **Cyber Security Certification Course** is structured to cover both **Ethical Hacking and Digital Forensics** domains, preparing you for success in the cybersecurity industry. Key modules include:

1. **Module 1: Introduction to Cyber Security**
   - Key Concepts of Cyber Security
   - Types of Attacks and Threats
   - Cyber Security Frameworks

2. **Module 2: Ethical Hacking and Penetration Testing**
   - Introduction to Ethical Hacking
   - Ethical Hacking Phases and Methodology
   - Reconnaissance, Scanning, and Exploitation Techniques
   - Web Application Hacking and Exploitation

3. **Module 3: Digital Forensics and Incident Response**
   - Basics of Digital Forensics
   - Incident Response Process
   - Forensic Investigation of Malware and Digital Evidence
   - Data Recovery and Evidence Preservation

4. **Module 4: Cyber Security Tools and Techniques**
   - Overview of Cyber Security Tools and Hands-on

- o Network Scanning, Vulnerability Assessment, and Penetration Testing
- o Network Monitoring and Intrusion Detection
- o Firewall and Encryption Techniques

5. **Module 5: Advanced Threats and Malware Analysis**

- o Cyber Crime, Cyber Warfare, and Advanced Threats
- o Malware Detection and Reverse Engineering
- o Analyzing and Mitigating Cyber Attacks
- o Securing Networks from Advanced Persistent Threats (APTs)

6. **Module 6: Legal, Compliance, and Ethical Considerations**

- o Legal Aspects of Cyber Security
- o Compliance Standards (GDPR, HIPAA, PCI DSS)
- o Ethics in Cyber Security

💼 Who Should Take This Course?

This course is ideal for anyone aiming to build a career in cybersecurity or enhance their existing skills in ethical hacking and digital forensics. Whether you're an experienced IT professional or a beginner in the field, this course prepares you to meet the growing demand for cybersecurity experts.

- **IT Professionals** looking to specialize in cyber security.

- **Network Administrators** and **System Administrators** seeking advanced knowledge in securing networks.

- **Ethical Hackers** and **Penetration Testers** aiming to upgrade their hacking skills.

- **Forensic Investigators** interested in mastering digital forensics.

- **Business Professionals** interested in understanding cyber threats and protecting organizational data.

- **Students** wanting to start a career in cybersecurity.
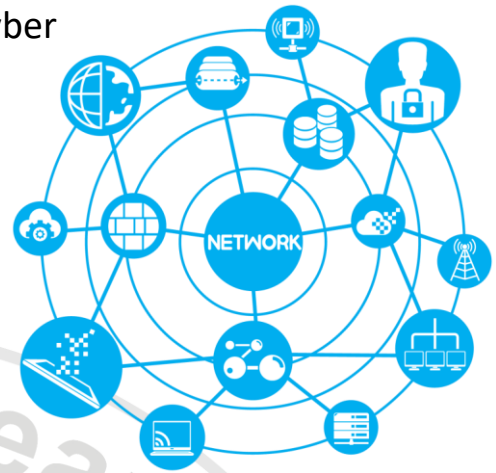
📊 Course Format

Format Detail	Description
Duration	3 Months Training + 1 Month Practice
Learning Approach	30% Theory + 70% Practical
Assessment	90-minute certification exam with 60 MCQs
Passing Score	70%
Certification Criteria	Successful project submission + exam pass

💼 Why Choose TECHELEARN?

- **Comprehensive Coverage**: From ethical hacking to incident response and digital forensics, our course covers everything you need to become a well-rounded cybersecurity expert.

- **Hands-On Labs**: Gain real-world experience with industry-standard tools and techniques, working on practical case studies.

- **Expert Mentorship**: Learn from instructors with years of experience in the cybersecurity industry, ensuring you gain not only knowledge but also industry insights.

- **Global Certification**: Earn a certification that is globally recognized, allowing you to take your career to new heights.

- **Flexible Learning**: Study at your own pace with our online, self-paced training that fits into your schedule.

- **Career Support**: Benefit from placement assistance and career counselling to help you secure your desired role in cybersecurity.

🧑‍🏫 Training Modes

- 🏢 **Live Instructor-Led Online Training**

- 🖥 **Self-Paced Learning + Assignments**

- 🧑‍💼 **Corporate On-Demand Training Workshops**

- 🔄 **Hybrid Model for Flexibility & Impact**

🗂 Includes: Source Code, Assignments, Quizzes, Final Capstone Project & Certificate Exam

---

www.techelearn.com   info@techelearn.com   9426245757

✔ Portfolio Setup

✔ Resume & LinkedIn Optimization

✔ Interview Preparation Sessions

✔ Lifetime Access to Developer

Community

🌐 **Partner with TECHELEARN – Upskill Your Team**

TECHELEARN offers customized **Cyber Security** training for businesses.

📌 **Talk to Our Enterprise Team**

📌 **Request a Tailored Group Training Plan**

🎯 **Get Started Today**

Join **11,000+** learners who trust **TECHELEARN** for career-ready skills.

🔥 **Cyber Security** skills are in high demand. Don't just learn—**Master it**

with TECHELEARN.

TECHE LEARN

GET IN TOUCH

- *Personalized Support: Whether you're seeking technical assistance or career guidance, we offer personalized, professional support.*

- *Collaborate with Us: We partner with educational institutions, businesses, and experts to offer training that meets industry needs.*

💡 **JOIN US IN THIS EXCITING JOURNEY!**

☎ 📞 **+91 9426245757**

🌐 www.techelearn.com

✉ info@techelearn.com

in https://www.linkedin.com/company/techelearn/

f https://www.facebook.com/TecheLearn

📷 https://www.instagram.com/techelearn/

▶ https://www.instagram.com/techelearn/