



1.5-Month Cybersecurity & Ethical Hacking Course Syllabus

 **Duration:** 6 Weeks

 **Mode:** Online/Offline

 **Level:** Beginner to Intermediate

 **Outcome:** Certificate of Completion + Practical Skills

◇ Week 1: Introduction to Cybersecurity & Ethical Hacking

- What is Cybersecurity?
 - Types of Hackers (White Hat, Black Hat, Grey Hat)
 - Understanding Ethical Hacking & its Legal Framework
 - Cybersecurity Threats and Attacks (Malware, Phishing, Ransomware)
 - Basics of Linux (Kali Linux Introduction)
 - Setting up a Virtual Lab using VirtualBox/VMware
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◇ Week 2: Footprinting & Reconnaissance

- What is Footprinting?
 - Active vs Passive Reconnaissance
 - WHOIS, NSLookup, Shodan, Google Hacking
 - Email Tracking, Social Engineering Basics
 - Tools: Maltego, Recon-ng, theHarvester
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◇ Week 3: Scanning & Enumeration

- What is Scanning?
- Types of Scanning (Port, Network, Vulnerability)
- Tools: Nmap, Zenmap, Netdiscover, Angry IP Scanner

- OS Detection, Banner Grabbing
 - Enumerating Network Shares & Services
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◇ Week 4: Vulnerability Analysis

- What is Vulnerability?
 - CVE, CVSS Basics
 - Vulnerability Scanning Tools: Nessus, OpenVAS
 - Identifying Weaknesses in Systems & Networks
 - Manual vs Automated Scanning
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◇ Week 5: System Hacking & Password Attacks

- System Hacking Phases: Gaining Access, Maintaining Access, Clearing Tracks
 - Password Cracking Techniques: Brute Force, Dictionary, Rainbow Tables
 - Tools: Hydra, John the Ripper, Hashcat
 - Privilege Escalation Techniques (Windows/Linux)
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◇ Week 6: Wireless Hacking & Basic Web Attacks

- Introduction to Wireless Security
 - Wi-Fi Cracking using Aircrack-ng & Wifite
 - Types of Web Attacks: XSS, SQL Injection (Basics)
 - Introduction to Burp Suite & DVWA
 - Final Practical Project + Certificate Test
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☒ Included Extras

- Career Guidance & Certifications

- **Resume Building Tips for Ethical Hackers**
- **List of Platforms for Bug Bounty & Internships**