Ethical Hacking Course

**- Ethical Hacking Fields:**

- Penetration Testing [PenTester] – [Offensive]

- Web Penetration Testing

**Vulnerabilities**

- Mobile Penetration Testing

- Network Penetration Testing

- External/Internal Penetration Testing

- Wireless Penetration Testing

- ICS/IOT Penetration Testing

- Network Security [Network Security Engineer] – [Defensive]

- Firewalls

List of legitimate actions to forward, and block the others [Whitelist]

List of forbidden actions to block, and allow the others [Blacklist]

- IPS [Intrusion Prevention System]

- IDS [Intrusion Detection System]

- VPN [Virtual Private Network]

Assign an internal IP to your connection

10.0.0.50

- SOC [Security Operation Center] [Defensive]

- Monitoring the traffic

<https://haveibeenpwned.com/>

- SIEM Solution

- Incident Response [Defensive]

- Digital Forensics [Defensive - Offensive]

- CERT

- Malware Analysis [Malware Analyst] [Defensive - Offensive]

- Reverse Engineering [Defensive - Offensive]

- Secure Coding Engineer – [Secure SDLC (SSDLC)] [Defensive]

SDLC → Software Development Life Cycle

- Social Engineers [Offensive]

- Threat Intelligence [Defensive]

- Cryptography [Defensive]

- Dark Web [tor]

- Deep Web

- Surface Web → Facebook, google, twitter, youtube, instagram, …..

**- Cyber Security Teams:**

- Red Team → Offensive

- Blue Team → Defensive

- Purple Team →

**- Hackers Types:**

- White-Hat Hacker

- Black-Hat Hacker

- Gray-Hat Hacker

**ITI**

Infrastructure Department

- Cyber Security Track

- Cloud Computing Track

- System Administration Track

Engineering → قسم حاسبات - communication

FCI → CS, IT

Science → قسم حاسب

your degree is > Good

English Test → MCQ

IQ Test → MCQ

Technical Interview →

Soft Skills Interview →

HR Interview with one of the ITI managers →

**Links**

<https://www.netacad.com/>

https://developer.ibm.com/digitalnation/africa/courses/cybersecurity