

TOPIC

Free Ethical Hacking Courses



Your Career Counselling Partner

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- ✓ Video 14 - Free Udemy Courses (Part 1)
- ✓ Video 15 - Paid Udemy Courses for Free (Part 2)
- ✓ Video 16 - Python Courses on Udemy (Part 3)
- ✓ Video 17 - Skillshare Free
- ✓ Video 18 - Edx
- ✓ Video 19 - Udacity

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- ✓ Video 20 - Without Certificate Platforms
- ✓ Video 21 - Without Certificate Platforms
- ✓ Video 22 - With Certificate Platforms
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Free Ethical Hacking Courses

Course on Udemy

➤ Link - <https://www.udemy.com/course/computer-hacking-fundamentals/>

Coursera

➤ Link - <https://www.coursera.org/professional-certificates/ibm-cybersecurity-analyst#courses>

Freecodecamp

➤ Link - <https://www.youtube.com/watch?v=3Kq1MifTWCE>

Linkedin Learning

➤ Link - <https://www.linkedin.com/learning/paths/become-an-ethical-hacker>

Brief about the career

- Ethical Hacking relates to IT & Software, Development, Network & Security
- You will learn about reconnaissance, protocols, Windows hacking, attacking web technologies, and pen testing wireless networks

What is Hacking?

- Hacking is identifying weakness in computer systems or networks to exploit its weaknesses to gain access
- Example of Hacking: Using password cracking algorithm to gain access to a system
- Hacking means using computers to commit fraudulent acts such as fraud, privacy invasion, stealing corporate/personal data, etc
- Cyber crimes cost many organizations millions of dollars every year. Businesses need to protect themselves against such attacks

Who is a Hacker?

Hackers are usually skilled computer programmers with knowledge of computer security

Types of Hackers

Ethical Hacker (White hat)

- A hacker who gains access to systems with a view to fix the identified weaknesses
- They may also perform penetration Testing and vulnerability assessments

Cracker (Black hat)

- A hacker who gains unauthorized access to computer systems for personal gain
- The intent is usually to steal corporate data, violate privacy rights, transfer funds from bank accounts etc

Grey hat

A hacker who is in between ethical and black hat hackers. He/she breaks into computer systems without authority with a view to identify weaknesses and reveal them to the system owner

Script kiddies

A non-skilled person who gains access to computer systems using already made tools

Hacktivist

A hacker who uses hacking to send social, religious, and political, etc. messages. This is usually done by hijacking websites and leaving the message on the hijacked website.

What is Ethical Hacking?

Ethical Hacking is identifying weakness in computer systems and/or computer networks and coming with countermeasures that protect the weaknesses

Ethical hackers must abide by the following rules

- Get written permission from the owner of the computer system and/or computer network before hacking
- Protect the privacy of the organization being hacked
- Transparently report all the identified weaknesses in the computer system to the organization.
- Inform hardware and software vendors of the identified weaknesses

Legality of Ethical Hacking

- Ethical Hacking is legal if the hacker abides by the rules
- Those who pass the examination are awarded with certificates
- The certificates are supposed to be renewed after some time

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6

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7

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8

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9

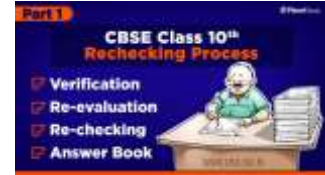
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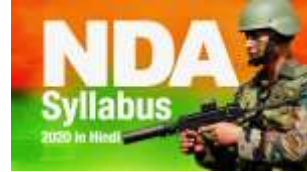


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