



CERTIFIED ETHICAL HACKING - WHITE HAT HACKER PROGRAM



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INTRODUCTION TO ETHICAL HACKING

Welcome, future ethical hacker! This course teaches you how to perform ethical hacking, which is the practice of using hacking techniques and tools to test the security of a system or network. Topics covered include information security, foot printing, scanning, enumeration, malware threats, and security best practices. The course will teach you the fundamentals and advanced principles of ethical hacking, common network threats and attacks, and network security infrastructure. The goal of an ethical hacker is to improve the security of the system by identifying and addressing weaknesses that can be exploited by malicious hackers.





Why Choose Chools?

Numbers That Speak for Themselves:

- 10,000+ Successful Alumni: Join a network of impactful professionals.
- 95% Job Placement Rate: Secure your future with Chools' proven track record.
- 20+ Years of Excellence: Trust in a legacy of education and industry expertise.
- 200+ Industry Partnerships: Leverage our connections for real-world insights and opportunities.

What Sets Us Apart?

- **Expert Instructors:** Learn from industry veterans with hands-on experience.
- **Hybrid Learning Model:** Balance online flexibility with in-person engagement.
- **Comprehensive Curriculum:** Stay ahead with courses designed meet market demands.
- **Community and Networking:** Be part of an active community of learners and professionals.

Who Can Apply?

Eligibility Criteria:

- A bachelor's degree in STEM.
- Prior knowledge of programming languages and computer networks may be helpful.





Ideal Candidates:

- Professionals aiming to advance their careers in ethical hacking and earn a globally recognized credential.

Program Overview

The Certified Ethical Hacking – White Hat Hacker Program provides extensive education in ethical hacking. Our curriculum ensures a comprehensive understanding through four progressive stages, combining theoretical knowledge with practical, hands-on experience.

Learning Mode:

- **Hybrid Learning Model:** Combines online learning with in-person sessions for flexibility and interactive engagement.
- **Interactive Sessions:** Includes live webinars, workshops, and Q&A forums with expert instructors and peers.
- **Self-paced Learning:** Access course materials anytime, allowing you to learn at your own pace.



Skills Learned

- **Ethical Hacking Techniques:** Identifying and exploiting vulnerabilities ethically.
- **Network Security:** Understanding and securing network environments.
- **Malware Analysis:** Identifying and mitigating malware threats.
- **Foot Printing:** Gathering information about targets.
- **Scanning and Enumeration:** Discovering and mapping network devices and services.
- **Incident Response:** Responding to security incidents.
- **Security Policies:** Developing and implementing security policies.
- **Best Practices:** Implementing security best practices.

Job Positions and Opportunities

- **Career Paths:** Ethical Hacker, Security Consultant, Security Analyst, IT Auditor, Systems Engineer, Security Architect.
- **Industry Demand:** High demand across various sectors, competitive salaries, and strong growth potential.

Key Industry Verticals

- **Skill Application Areas:** Finance, Healthcare, Technology, Government, Retail, Energy, Telecommunications, Manufacturing.



Curriculum Highlights:

- **Fundamental Knowledge:** Core principles of ethical hacking.
- **Advanced Techniques:** In-depth understanding of advanced hacking tools.
- **Real-World Applications:** Practical projects and case studies to apply your learning.
- **Capstone Project:** A final project that integrates all your skills and knowledge, showcasing your proficiency in ethical hacking.

Professional Development:

- **Continuous Learning:** Stay updated with the latest trends and advancements in ethical hacking.
- **Networking Opportunities:** Connect with industry experts, peers, and alumni to advance your career.
- **Ethical Considerations:** Learn about data ethics, privacy, and compliance to maintain the integrity of your practices.

Program Objectives

- Master technical skills in ethical hacking.
- Implement advanced hacking techniques and tools.
- Explore ethical hacking frameworks and best practices.
- Address real-world challenges in ethical hacking.
- Understand ethical considerations in data governance.
- Foster continuous learning.
- Encourage teamwork and collaboration.
- Prepare for advanced roles in ethical hacking.

Expected Outcomes

- Proficiency in ethical hacking tools and techniques.
 - Practical experience through hands-on projects.
 - Strong analytical and problem-solving skills.
 - Application of ethical practices.
 - Innovation in ethical hacking solutions.
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PROGRAM OUTLINE

Stage 1: Fundamentals of Ethical Hacking

1. Introduction to Ethical Hacking

- o Core principles, tools, and industry applications.

2. Network Security Basics

- o Understanding network environments and vulnerabilities.

3. Vulnerability Assessment

- o Identifying and assessing vulnerabilities.

4. Basic Exploits

- o Using pre-built exploits effectively.

Stage 2: Advanced Ethical Hacking Techniques

5. Advanced Exploit Development

- o Writing and using custom exploits.

6. Malware Analysis

- o Identifying and mitigating malware threats.

7. Foot Printing and Scanning

- o Gathering information and mapping networks.

8. IoT and OT System Testing

- o Testing IoT and OT systems for vulnerabilities.

Stage 3: Practical Applications

9. Practical Ethical Hacking Projects

- o Developing and implementing ethical hacking projects.

10. Security Operations Management

- o Managing security operations.

11. Data Analysis and Visualization

- o Analyzing security data and visualizing results.

12. Business Intelligence Applications

- o Using data for security decision making.

Stage 4: Capstone Project

13. Integration of Learned Skills

- o Apply tools and techniques to real-world security problems.

14. Advanced Ethical Hacking Systems

- o Developing complex ethical hacking systems.

15. Cloud Security Management

- o Securing cloud-based platforms.

16. AI for Security

- o Implementing AI solutions in security.

Elective Modules

17. Data Ethics and Privacy

- o Ethical considerations, privacy laws, compliance strategies.

18. Predictive Analytics with Security Management

- o Building and validating predictive models.

19. AI for Security Management

- o Implementing AI solutions in security.

20. Advanced Data Warehousing Techniques

- o Optimizing data warehousing solutions.

21. Data-Driven Security Decision Making

- o Using data to inform and drive security strategies.



PROGRAM OUTLINE



22. Cloud Security Solutions

- o Deploying security management systems on cloud platforms.

23. Security Project Management

- o Leading security projects, ensuring successful delivery.

24. Big Data Security

- o Securing data in big data environments.

25. IoT Security

- o Securing IoT devices and systems.

Enrollment Now Open!

Take the first step towards becoming a certified Ethical Hacking Professional. Enroll in our program and enhance your career.