

Techadem 

CYBERSECURITY & ETHICAL HACKING

PROFESSIONAL PROGRAM

Practical training focused on protecting systems, detecting vulnerabilities and understanding real-world security threats

› Delivery: Physical and Online

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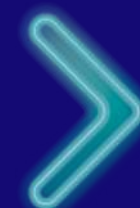
Techademhq.com

COURSE OVERVIEW

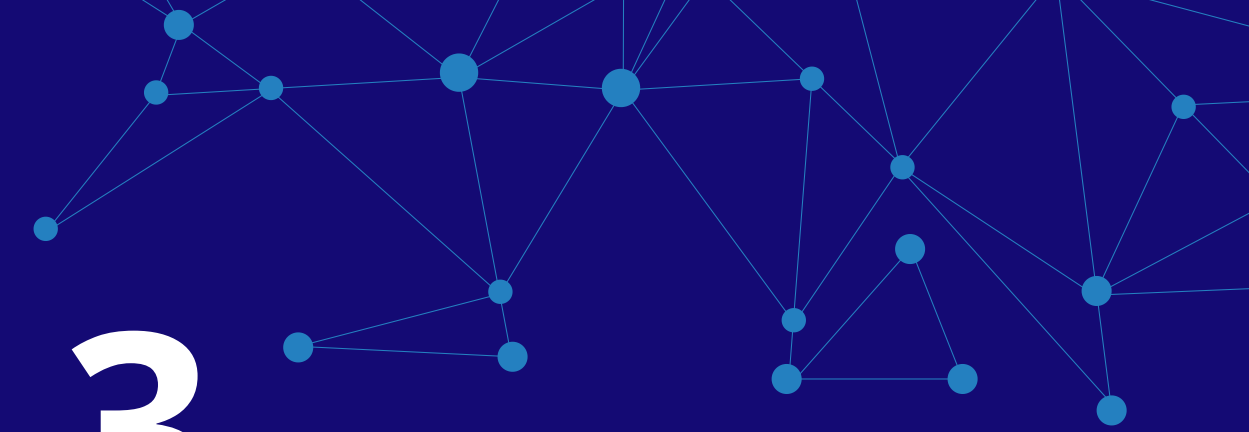
This program is designed for individuals who want to understand how systems are secured and how vulnerabilities are identified and tested responsibly.

Suitable for:

- ✓ Beginners interested in cybersecurity
- ✓ IT Professionals looking to specialize
- ✓ Network administrative
- ✓ Tech enthusiasts willing to learn technical systems



No prior hacking knowledge is required.
Basic computer knowledge is helpful.



MODULES 1-3

1

Foundation of Cybersecurity

- What is cybersecurity
- Types of Cyber threats
- Understanding Risk and vulnerability
- CIA Triad (Confidentiality, integrity and availability).
- Security Best Practices

2

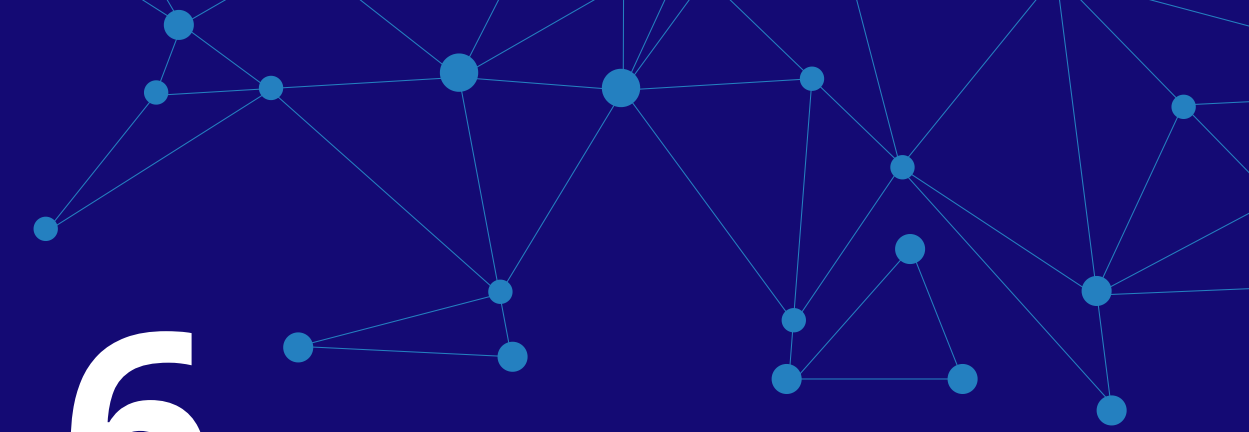
Networking Fundamentals

- How networks work
- IP Addressing
- DNS and HTTP
- Firewalls and Routers
- Understanding Network Traffic

3

Operating systems & Linux Basics

- Windows Security Basics
- Introduction to Linux
- Command Line Basics
- File Systems
- Permissions and Access control



MODULES 4-6

4

Ethical Hacking Fundamentals

- What is ethical hacking
- Types of Hackers
- Penetration to Security Tools
- Reconnaissance Techniques
- Footprinting

5

Vulnerability Assessment

- Scanning for Vulnerabilities
- Introduction to security tools
- Password Attacks (Theory)
- Social Engineering Awareness
- Basic Exploitation Concepts

6

System Security & Defense

- Securing Web Applications
- Securing Networks
- Incident Response Basics
- Log Analysis
- Risk Mitigation

PRACTICAL LABS



Hands-on
practical
training
included.



Students will be able to:

- ✓ Set up a safe lab environment
- ✓ Practice vulnerability scanning
- ✓ Simulate controlled penetration tests
- ✓ Analyze security weakness
- ✓ Write basic security reports

WHAT YOU WILL BE ABLE TO DO

Identify common security threats

Understand network vulnerabilities

Conduct basic vulnerability assessments

After completing this program you will be able to:



Use introductory security tools

Recommend system security improvements

Understand ethical hacking processes

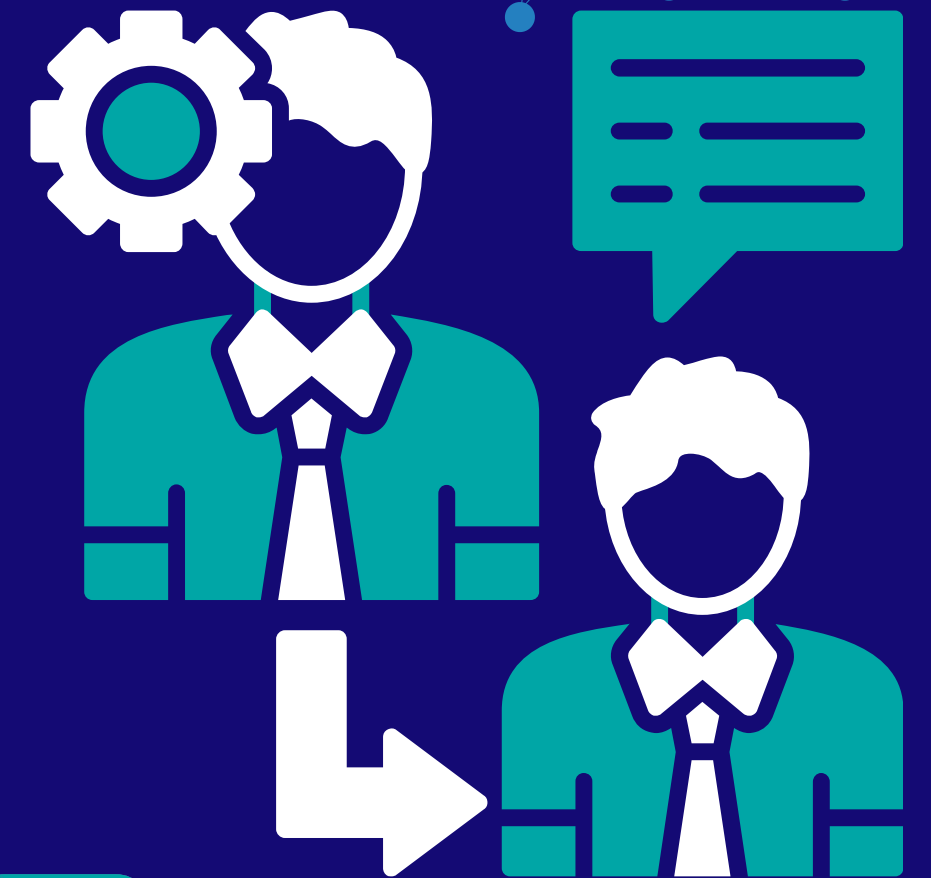
MENTORSHIP & INTERNSHIP

INTERNSHIP

- Guided lab sessions
- Security case discussions
- Career direction support
- CV and LinkedIn optimization
- Interview preparation

MENTORSHIP

- Simulated penetration testing projects
- Security case analysis
- Report writing practice
- Performance evaluation

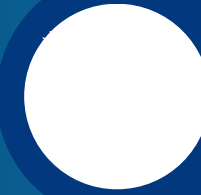


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LEARNING STRUCTURE



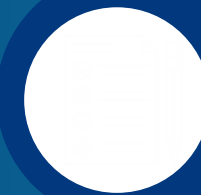
Live instructor led testing projects



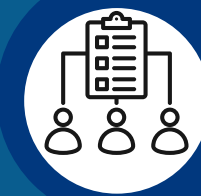
Practical lab exercises



Controlled simulation exercises




Weekly assignments





Continuous assessment


Structured from beginner level concepts to applied security testing.


CAREER OPPORTUNITIES

- 

01
Cybersecurity Analyst
- 

02
Security Operations Center (SOC) analyst
- 

03
Junior Penetration Tester
- 

04
IT Security support
- 

05
Network Security Analyst



STUDENT FEEDBACK



Deborah Akinwale
Cybersecurity Analyst



They focus on practical skills you can actually use immediately. It doesn't feel like theory without direction.



Sadiq Abdullahi
Cybersecurity Analyst



I appreciated how real the conversations were about tech careers and opportunities. Nothing felt sugarcoated or misleading.



Ngozi Okeke
Full Stack Web Developer



I got my first remote job while still in the program and that changed my confidence completely. They guided me on positioning myself and it really worked.



Chinedu Okafor
Cybersecurity Analyst



I joined thinking it would be another regular class, but the structure and delivery surprised me. Everything connects logically and you can see how it applies in real work.



Daniel Adeyemi
Cloud Engineer



What stood out for me was how they carry everyone along, no one is left behind. Even the quiet people in class get attention and support.



Michael Ogunleye
Machine Learning Engineer



I liked the accountability system because it pushed me to stay consistent. You cannot just register and disappear, they follow up properly.