



iUniversity
BY IYDA

Executive Certificate in Network Defense & Security Operations

iUniversity by IYDA

Duration	5 Months
Learning Hours	200 Hours
Mode	Online / Offline / Hybrid
Eligibility	Graduate / Final Year Students / Working Professionals
Level	Beginners to Advanced
Certification	Executive Certificate from iUniversity by IYDA

Module 1: Network Security Fundamentals

Hands-on learning through practical labs, SOC simulations, and real-world security scenarios.

Module 2: Advanced TCP/IP and Routing

Hands-on learning through practical labs, SOC simulations, and real-world security scenarios.

Module 3: Security Operations Center (SOC) Management

Hands-on learning through practical labs, SOC simulations, and real-world security scenarios.

Module 4: Threat Intelligence and Threat Hunting

Hands-on learning through practical labs, SOC simulations, and real-world security scenarios.

Module 5: Intrusion Detection and Prevention Systems

Hands-on learning through practical labs, SOC simulations, and real-world security scenarios.

Module 6: Firewall Configuration and Management

Hands-on learning through practical labs, SOC simulations, and real-world security scenarios.

Module 7: Security Information and Event Management (SIEM)

Hands-on learning through practical labs, SOC simulations, and real-world security scenarios.

Module 8: Incident Response and Recovery

Hands-on learning through practical labs, SOC simulations, and real-world security scenarios.

Module 9: Digital Forensics Fundamentals

Hands-on learning through practical labs, SOC simulations, and real-world security scenarios.

Module 10: Cloud and Hybrid Network Security

Hands-on learning through practical labs, SOC simulations, and real-world security scenarios.

Module 11: Risk Management and Compliance

Hands-on learning through practical labs, SOC simulations, and real-world security scenarios.

Module 12: Capstone Project and Security Case Studies

Hands-on learning through practical labs, SOC simulations, and real-world security scenarios.

Tools & Technologies Covered:

- Wireshark
- Splunk
- ELK Stack
- Snort
- Suricata
- Nmap
- Cisco Packet Tracer
- Security Onion
- pfSense
- Kali Linux

Career Opportunities:

- SOC Analyst
- Network Security Engineer
- Security Operations Engineer
- Threat Intelligence Analyst
- Cyber Defense Analyst
- Incident Response Specialist
- Security Consultant