



**iUniversity**  
BY IYDA

## **Advanced Network Defense & Security Operations Bootcamp**

### **iUniversity by IYDA**

Duration	5 Months
Learning Hours	200 Hours
Mode	Online / Offline / Hybrid
Eligibility	10+2 / Graduate / Working Professionals
Level	Beginners to Advanced
Certification	Certificate of Completion from iUniversity by IYDA

#### ***Module 1: Network Security Fundamentals***

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

#### ***Module 2: Advanced TCP/IP and Routing***

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

#### ***Module 3: Security Operations Center (SOC) Essentials***

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

#### ***Module 4: Threat Intelligence and Analysis***

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

#### ***Module 5: Intrusion Detection and Prevention Systems***

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

#### ***Module 6: Firewall Configuration and Management***

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

#### ***Module 7: Security Information and Event Management (SIEM)***

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

### ***Module 8: Incident Detection and Response***

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

### ***Module 9: Digital Forensics and Investigation***

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

### ***Module 10: Cloud and Hybrid Network Security***

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

### ***Module 11: Risk Management and Compliance***

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

### ***Module 12: Capstone Project and Security Case Studies***

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

### ***Tools & Technologies Covered:***

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

### ***Career Opportunities:***

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