

SHORT COURSE CYBER SECURITY

INTRODUCTION:

Today's organizations are challenged with rapidly detecting cyber security breaches and effectively responding to Security incidents. Teams of people in Security Operations Centers (SOCs) keep a vigilant eye on security systems, protecting their organizations by detecting and responding to cyber security exploits and threats. Cyber Security 4.0 Prepares candidates to begin a career working as cyber security analysts.

COURSE OUTLINE:

1. Network Protocols
2. Principles of Network Security
3. Attackers and Their Tools
4. Common Threats and Attacks
5. Malware Threats and Denial of Service
6. Observing Network Operation and Scanning Networks
7. Attacking the Foundation
8. Access Control and Identity management
9. Threat Intelligence
10. Cryptography and PKI
11. Endpoint Protection and Vulnerability assessment
12. Technologies and Protocols
13. Network and End Device Logs
14. Evaluating Alerts
15. Digital Forensics and Incident Analysis