

CYBERSECURITY ESSENTIALS

This course will help you master fundamental cybersecurity concepts, understand essential cyber controls and technologies, and learn necessary cyber security compliances and frameworks.

MODULE 1

CYBERSECURITY CHALLENGES

- Cybercrime Costs
- Major Data Breaches
- Cyber Security Industry Challenges

MODULE 2

CYBERSECURITY CONCEPTS

- What is Cybersecurity
- Security Principles
- What is Cyber Risk
- Common Cyber Attacks
- Cloud Security Domains
- The Risk-Based Approach to Cybersecurity
- Cybersecurity Knowledge Domains

MODULE 3

CYBERSECURITY CONTROLS

- Cybersecurity Strategy
- Cybersecurity Program
- Cybersecurity Control Types
- Administrative Controls

MODULE 4

CYBERSECURITY TECHNOLOGIES

- Firewall
- Intrusion Detection and Prevention
- Security Information and Event Management
- Governance, Risk, Compliance
- Cryptography
- End-Point Protection
- Threat Intelligence
- Enterprise Security Architecture
- Identity and Access Management
- Data Loss Prevention
- Incident Response

MODULE 5

CYBERSECURITY COMPLIANCES

- Compliance Standards
- CIS Benchmark
- PCI DSS
- GDPR
- ISO/IEC 27001
- SOC

MODULE 6

CYBERSECURITY FRAMEWORKS

- Defense In-Depth
- NIST Cybersecurity Framework
- OWASP Top 10
- Zero Trust Security
- CIS Top 20 Controls
- MITRE ATT&CK