

DCT CYBERSECURITY AWARENESS

Gain essential knowledge with the DCT Cybersecurity Awareness course, designed to help individuals and organizations identify threats, prevent cyberattacks, and promote safe online practices.



Duration: 2 Days

Course Code: DCT - DS - EU-CA

Overview:

- Designed to give learners an understanding of how to secure their data and devices while using organizational or personal resources.

Students Will Learn

- Introduction to Cybersecurity
- What is Cybersecurity?
- Understanding the Security Triangle:
- Confidentiality, Integrity, Availability Non-Repudiation.
- A look at major Data Breaches across the globe and their impacts
- Common forms of security breaches
- Social engineering
- Password breaches
- Phishing
- Malware breaches, Ransomware, Spyware, and viruses
- Insider threats
- Identity Theft
- Indicators of Compromise
 - Detecting breaches
 - Reporting breaches
- Setting up your cyber security
 - Password Security
 - Physical Security
 - Data protection on decommissioned devices
 - Data Backup
 - Security on wireless Networks
 - Mobile devices security
 - Family Online Safety and Parental Control
- Legal, ethical, and professional practices
 - Cyber Security laws
 - Data protection Laws
 - Legal liability
 - Security policies in organizations

Course Outline

- **Chapter 1: Security Principles**
 - Module 1: Understand the Security Concepts of Information Assurance.
 - Module 2: Understand the Risk Management Process
 - Module 3: Understand Security Controls
 - Module 4: Understand Governance Elements and Processes
 - Module 5: Understand (ISC)² Code of Ethics
- **Chapter 2: Incident Response, Business Continuity and Disaster Recovery Concepts**
 - Module 1: Understand Incident Response
 - Module 2: Understand Business Continuity
 - Module 3: Understand Disaster Recovery
- **Chapter 3: Access Controls Concepts**
 - Module 1: Understand Access Control Concepts
 - Module 2: Understand Physical Access Controls
 - Module 3: Understand Logical Access Controls
- **Chapter 4: Network Security**
 - Module 1: Understand Computer Networking
 - Module 2: Understand Network (Cyber) Threats and Attacks
 - Module 3: Understand Network Security Infrastructure
- **Chapter 5: Security Operations**
 - Module 1: Understand Data Security
 - Module 2: Understand System Hardening
 - Module 3: Understand Best Practice Security Policies
 - Module 4: Understand Security Awareness Training