

Cyber Security

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Overview

Every organization is responsible for ensuring Cyber Security. The ability to protect its information systems from impairment or even theft is essential to success. Implementing effective security measures will not only offer liability protection; it will also increase efficiency and productivity.

With our Cyber Security workshop your participants will understand the different types of malware and security breaches. Develop effective prevention methods which will increase overall security. They will also understand the basic concepts associated with Cyber Security and what a company needs to stay secure.

Course Outline

Module One: Getting Started

- Housekeeping Items
- Pre-Assignment Review
- Workshop Objectives
- The Parking Lot
- Action Plan

Module Two: Cyber security Fundamentals

- What is Cyberspace?
- What is Cyber security?
- Why is Cyber security Important?
- What is a Hacker?
- Case Study
- Module Two: Review Questions

Module Three: Types of Malware

- Worms
- Viruses
- Spyware
- Trojans
- Case Study
- Module Three: Review Questions

Module Four: Cyber Security Breaches

- Phishing
- Identity Theft
- Harassment
- Cyberstalking
- Case Study
- Module Four: Review Questions

Module Five: Types of Cyber Attacks

- Password Attacks
- Denial of Service Attacks
- Passive Attack
- Penetration Testing
- Case Study
- Module Five: Review Questions

Module Six: Prevention Tips

- Craft a Strong Password
- Two-Step Verification
- Download Attachments with Care
- Question Legitimacy of Websites
- Case Study
- Module Six: Review Questions

Module Seven: Mobile Protection

- No Credit Card Numbers
- Place Lock on Phone
- Don't Save Passwords
- No Personalized Contacts Listed
- Case Study
- Module Seven: Review Questions

Module Eight: Social Network Security

- Don't Reveal Location
- Keep Birthdate Hidden
- Have Private Profile
- Don't Link Accounts
- Case Study
- Module Eight: Review Questions

Module Nine: Prevention Software

- Firewalls
- Virtual Private Networks
- Anti-Virus & Anti-Spyware
- Routine Updates
- Case Study
- Module Nine: Review Questions

Module Ten: Critical Cyber Threats

- Critical Cyber Threats

- Cyber terrorism
- Cyber warfare
- Cyber espionage
- Case Study
- Module Ten: Review Questions

Module Eleven: Defence Against Hackers

- Cryptography
- Digital Forensics
- Intrusion Detection
- Legal Recourse
- Case Study
- Module Eleven: Review Questions

Module Twelve: Wrapping Up

- Words from the Wise
- Review of Parking Lot
- Lessons Learned
- Recommended Reading
- Completion of Action Plans and Evaluations