

Syllabus
Intro to Cyber



CVBERIUM ARENA
-SIMULATOR-

Description

Intro to Cyber is an essential course covering main topics from the cyber world and allows the participants to quickly view the complex world of digital crimes.

This training covers the core concepts of defense and understanding in the practical world using the CYBERIUM ARENA simulator. Students will learn about different domain structures and security technology products.

Target Audience

The course targets participants with basic computer knowledge and managers wanting to understand the cyber world.

Objectives

- Acquiring the knowledge and tools to understand the corporate network
- Understanding cyber-attacks for security awareness
- Being able to make better decisions in the corporate world

Module 1: Introduction to TIER 1

During this module, students will study the fundamental concepts of the cyber world.

Fundamentals Concepts

- Definitions
- Key Players
- History and Future
- Security Awareness
- Cyber Job Roles
- Basic Networking
- Remote Access
- Steganography and Ciphers
- Hash Functions and Encodings

Module 2: Cyber Security

In this module, participants will embrace the attacker state-of-mind to recognize the necessary defense mechanisms.

Cyber Concepts

- OSI Model
- DNS and DHCP - From an Attacker Point of View
- Security Products Explained
- Anonymity on the Network
- Concepts of Wi-Fi Security

Cyber Attacks Demos

- MiTM Attacks
- Brute Force
- Phishing
- Trojans