

Professional Mentoring Programs

CYBERSECURITY AND DIGITAL IDENTITY



250€
~~2.500€~~

250 hours
5 months

English
language

Online
methodology

Certified by:



Endorsed by:



This program is designed to provide students with basic knowledge in the field of cybersecurity. It covers the most common types of threats that modern computer systems face in a business setting, measures that can be taken to prevent cyberattacks, the probability of their occurrence, and how to react to them to minimize risk. It also delves into the importance of digital identity in the current context and how its security, along with a company's reputation, is constantly at risk due to cybercrime.

Professional Mentoring Programs offer specialized training in areas of particular interest in today's productive sector, aligning citizens' training with the real demands of the market. The goal is to strengthen the current capabilities of the participants and expand their skills and abilities to facilitate their access to the job market, the search for new employment, or the improvement of their current performance.

■ Program

MODULE I: BUSINESS CYBERSECURITY VULNERABILITIES

Information Security Vulnerabilities.
Social media risk analysis

Detection, Risk Analysis, and General Protections

Cybersecurity Principles and Good Practices. Security Risk Management. Threats and Vulnerabilities

Standards, Regulations and Legislation. Cybersecurity Management Systems

MODULE II: SAFE DEVELOPMENT AND IDENTITY MANAGEMENT

Security Plan and Safe Development

Identity Management and Authentication

Threat models

Safe Information Management and Storage

MODULE III: DIGITAL IDENTITY, REPUTATION, FAKE NEWS, SOCINT AND DOXXING

Types of social media

Threats and Mitigating Factors in Social Media

Doxxing and SOCINT

Infoxiation. Fake news. Techniques and Analysis

MODULE IV: MALWARE AND MALICIOUS CODES

Social Media Types

Malware type I

Malware type II

Vulnerabilities, Exploits, and Payloads.

MODULE V: BUSINESS CRYPTOGRAPHY

Introduction to Classical Algorithms

Symmetric Key Algorithm

Asymmetric Key Algorithm - Hash function

Digital Certificates, PKI and Cryptographic Applications

Enroll here



The Educational Portal of the Americas has been working for over two decades to promote education for **comprehensive development**, reduce digital educational gaps, and cooperate with states to promote community progress. Our work has **facilitated the education of thousands of citizens** across the hemisphere through educational opportunities.

At Structuralia, we are experts in specialized online graduate education with over **20 years of experience in training STEM (Science, Technology, Engineering, Mathematics)** professionals. Since our foundation in 2001, we have supported more than 200.000 international students, mostly engineers, from up to 115 countries, to boost their professional careers.

