Professional Master's Degree

MBA in Advanced Cybersecurity Management (CISO)

Accreditation/Membership

BUSINESS GRADUATES ASSOCIATION
MEMBER

tech global university

tech global university

Professional Master's Degree
MBA in Advanced Cybersecurity Management (CISO)

- Modality: **online**
- Duration: **12 months**
- Certificate: **TECH Global University**
- Accreditation: **90 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

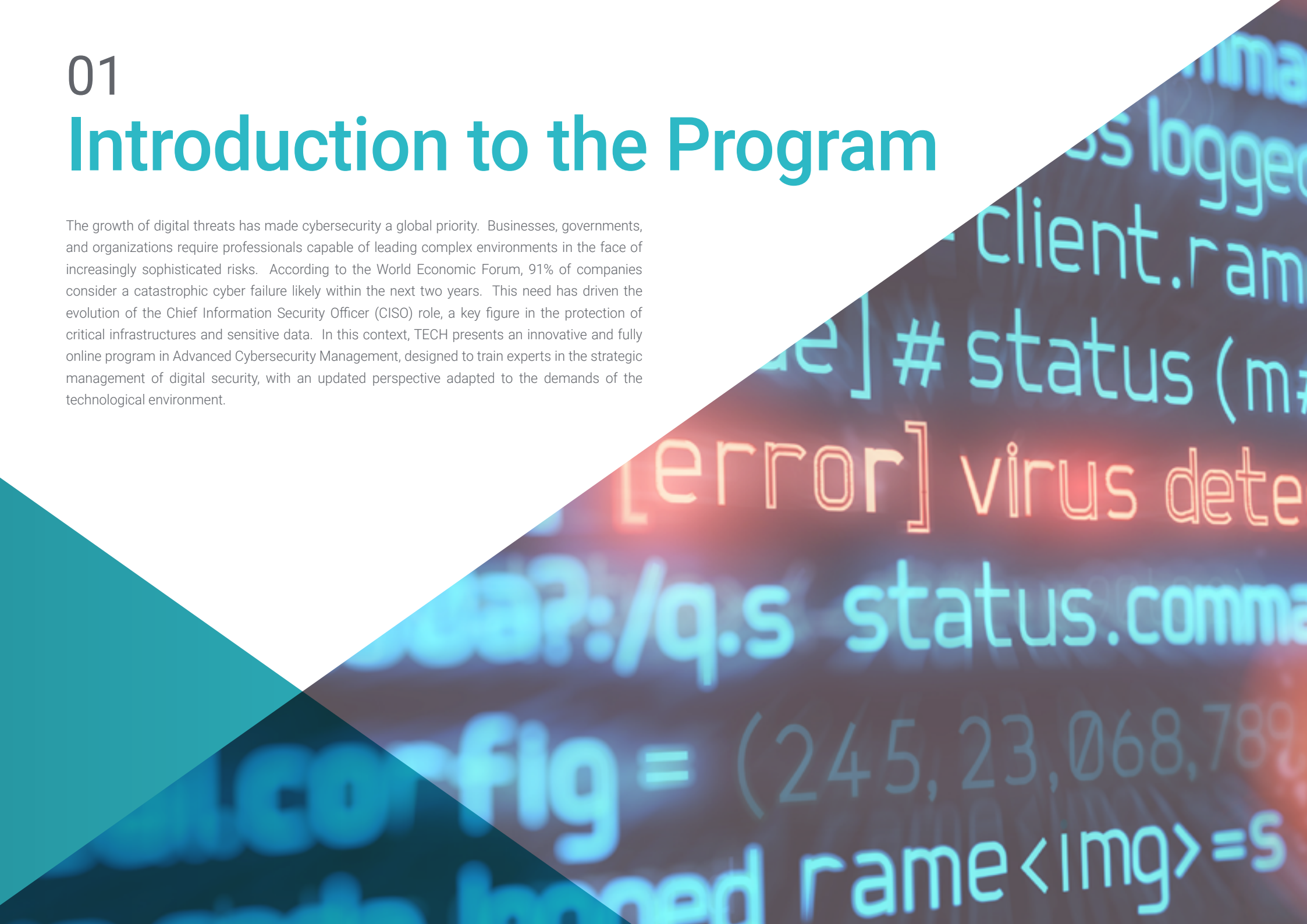
Website: www.techtitute.com/us/information-technology/professional-master-degree/master-mba-advanced-cybersecurity-management-ciso

Index

01

Introduction to the Program

The growth of digital threats has made cybersecurity a global priority. Businesses, governments, and organizations require professionals capable of leading complex environments in the face of increasingly sophisticated risks. According to the World Economic Forum, 91% of companies consider a catastrophic cyber failure likely within the next two years. This need has driven the evolution of the Chief Information Security Officer (CISO) role, a key figure in the protection of critical infrastructures and sensitive data. In this context, TECH presents an innovative and fully online program in Advanced Cybersecurity Management, designed to train experts in the strategic management of digital security, with an updated perspective adapted to the demands of the technological environment.



A comprehensive and 100% online program, exclusive to TECH, with an international perspective backed by our membership in the Business Graduates Association"

The acceleration of digital transformation has exposed organizations of all types to increasingly sophisticated cybersecurity risks. In this scenario, strategic leadership in cybersecurity has become essential to ensure operational continuity, data integrity, and user trust. The role of the Chief Information Security Officer (CISO) has gained special relevance as the person responsible for defining, overseeing, and optimizing security policies in complex and highly digitized environments. This context demands professionals with a comprehensive vision, capable of anticipating threats, making critical decisions, and aligning security with corporate objectives.

This Professional Master's Degree allows professionals to project their careers towards new opportunities in multinational companies, public organizations, or specialized consulting firms. The preparation provided transcends technical knowledge, fostering the strategic perspective essential for executive positions. The ability to lead security policies, coordinate multidisciplinary teams, and act with a proactive vision in the face of technological challenges is today a key advantage for advancing professionally in the digital sector.

Thanks to its 100% online modality, this program offers access to up-to-date, high-level content from anywhere, without interrupting work or personal responsibilities. This flexibility is combined with a dynamic methodology focused on solving real-life cases and simulated scenarios. Additionally, professionals will have access to exclusive Masterclasses led by a group of internationally renowned Guest Directors.

Furthermore, thanks to TECH's membership in the **Business Graduates Association (BGA)**, students will have access to exclusive and up-to-date resources that will strengthen their continuous learning and professional development, as well as discounts on professional events that will facilitate networking with industry experts. Additionally, they will be able to expand their professional network by connecting with specialists from different regions, fostering the exchange of knowledge and new job opportunities.

This **MBA in Advanced Cybersecurity Management (CISO)** contains the most complete and up-to-date university program on the market. Its most notable features are:

- The development of practical cases presented by Cybersecurity experts
- The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- Practical exercises where the self-assessment process can be carried out to improve learning
- Special emphasis on innovative methodologies in Cybersecurity Management
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an internet connection

Renowned International Guest Directors will offer rigorous Masterclasses that will delve into the latest advancements in Advanced Cybersecurity Management"

You will apply incident response protocols and operational recovery strategies that ensure business continuity even in high-impact situations"

You will deepen your analysis of cybersecurity risks, which will enable you to make critical decisions in complex and constantly evolving scenarios.

The Relearning methodology applied by TECH will reduce the long study hours often associated with other teaching methods.

The teaching staff includes professionals from the field of Cybersecurity, who bring their work experience to this program, as well as renowned specialists from leading companies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive learning experience designed to prepare for real-life situations.

This program is designed around Problem-Based Learning, whereby the student must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts.

02

Why Study at TECH?

TECH is the world's largest online university. With an impressive catalog of more than 14,000 university programs, available in 11 languages, it is positioned as a leader in employability, with a 99% job placement rate. In addition, it has a huge faculty of more than 6,000 professors of the highest international prestige.

Study at the largest online university in the world and ensure your professional success. The future begins at TECH”

The world's best online university, according to FORBES

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future".

The best top international faculty

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

The world's largest online university

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world.

The most complete syllabuses on the university scene

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills. and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

A unique learning method

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

Leaders in employability

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.

Google Premier Partner

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.

The top-rated university by its students

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.

03

Syllabus

The syllabus of the Professional Master's Degree MBA in Advanced Cybersecurity Management (CISO) integrates up-to-date content that addresses the real challenges of a constantly evolving digital environment. Through a multidisciplinary approach, key aspects such as cyber intelligence, security in critical infrastructures, and crisis management are covered. Additionally, emerging tools and international frameworks are incorporated, allowing for a deep and current understanding of digital security from a managerial and global perspective.

You will master international regulatory frameworks, security standards, and compliance regulations in the management of digital environments"

Module 1. Security in System Design and Development

1.1. Information Systems
- 1.1.1. Information System Domains
- 1.1.2. Components of an Information System
- 1.1.3. Activities of an Information System
- 1.1.4. Life Cycle of an Information System
- 1.1.5. Information System Resources

1.2. Information Systems. Typology
- 1.2.1. Types of Information Systems
  - 1.2.1.1. Business
  - 1.2.1.2. Strategic
  - 1.2.1.3. According to the Scope of Application
  - 1.2.1.4. Specific
- 1.2.2. Information Systems. Real-Life Examples
- 1.2.3. Evolution of Information Systems: Stages
- 1.2.4. Information Systems Methodologies

1.3. Security of Information Systems. Legal Implications
- 1.3.1. Access to Data
- 1.3.2. Security Threats: Vulnerabilities
- 1.3.3. Legal Implications: Crimes
- 1.3.4. Information System Maintenance Procedures

1.4. Security of an Information System. Security Protocols
- 1.4.1. Security of an Information System
  - 1.4.1.1. Integrity
  - 1.4.1.2. Confidentiality
  - 1.4.1.3. Availability
  - 1.4.1.4. Authentication
- 1.4.2. Security Services
- 1.4.3. Information Security Protocols. Typology
- 1.4.4. Sensitivity of an Information System

1.5. Security in an Information System. Access Control Measures and Systems
- 1.5.1. Safety Measures
- 1.5.2. Type of Security Measures
  - 1.5.2.1. Prevention
  - 1.5.2.2. Detection
  - 1.5.2.3. Correction
- 1.5.3. Access Control Systems. Typology
- 1.5.4. Cryptography

1.6. Network and Internet Security
- 1.6.1. Firewalls
- 1.6.2. Digital Identification
- 1.6.3. Viruses and Worms
- 1.6.4. *Hacking*
- 1.6.5. Examples and Real Cases

1.7. Cybercrimes
- 1.7.1. Computer Crime
- 1.7.2. Cybercrimes. Typology
- 1.7.3. Cybercrimes. Attacks. Types
- 1.7.4. The Case for Virtual Reality
- 1.7.5. Profiles of Offenders and Victims. Typification of the Crime
- 1.7.6. Cybercrimes. Examples and Real Cases

1.8. Security Plan in an Information System
- 1.8.1. Security Plan. Objectives
- 1.8.2. Security Plan. Planning
- 1.8.3. Risk Plan. Analysis
- 1.8.4. Security Policy. Implementation in the Organization
- 1.8.5. Security Plan. Implementation in the Organization
- 1.8.6. Security Procedures. Types
- 1.8.7. Security Plans. Examples

1.9. Contingency Plan
- 1.9.1. Contingency Plan. Functions
- 1.9.2. Emergency Plan: Elements and Objectives
- 1.9.3. Contingency Plan in the Organization. Implementation
- 1.9.4. Contingency Plans. Examples

1.10. Information Systems Security Governance
- 1.10.1. Legal Regulations
- 1.10.2. Standards
- 1.10.3. Certifications
- 1.10.4. Technologies

Module 2. Information Security Architectures and Models

2.1. Information Security Architecture
- 2.1.1. SGSI/PDS
- 2.1.2. Strategic Alignment
- 2.1.3. Risk Management
- 2.1.4. Performance Measurement

2.2. Information Security Models
- 2.2.1. Based on Security Policies
- 2.2.2. Based on Protection Tools
- 2.2.3. Based on Work Teams

2.3. Safety Model. Key Components
- 2.3.1. Identification of Risks
- 2.3.2. Definition of Controls
- 2.3.3. Continuous Assessment of Risk Levels
- 2.3.4. Awareness-Raising Plan for Employees, Suppliers, Partners, etc.

2.4. Risk Management Process
- 2.4.1. Asset Identification
- 2.4.2. Threat Identification
- 2.4.3. Risk Assessment
- 2.4.4. Control Prioritization
- 2.4.5. Reevaluation and Residual Risk

2.5. Business Processes and Information Security
- 2.5.1. Business Processes
- 2.5.2. Risk Assessment Based on Business Parameters
- 2.5.3. Business Impact Analysis
- 2.5.4. Business Operations and Information Security

2.6. Continuous Improvement Process
- 2.6.1. The Deming Cycle
  - 2.6.1.1. Plan
  - 2.6.1.2. Do
  - 2.6.1.3. Verify
  - 2.6.1.4. Act

2.7. Security Architectures
- 2.7.1. Selection and Homogenization of Technologies
- 2.7.2. Identity Management. Authentication
- 2.7.3. Access Management. Authorization
- 2.7.4. Network Infrastructure Security
- 2.7.5. Encryption Technologies and Solutions
- 2.7.6. Endpoint Detection and Response (EDR)

2.8. Regulatory Framework
- 2.8.1. Sectoral Regulations
- 2.8.2. Certifications
- 2.8.3. Legislation

2.9. The ISO 27001 Standard
- 2.9.1. Implementation
- 2.9.2. Certification
- 2.9.3. Audits and Penetration Tests
- 2.9.4. Continuous Risk Management
- 2.9.5. Classification of Information

2.10. Privacy Legislation. GDPR
- 2.10.1. Scope of General Data Protection Regulation (GDPR)
- 2.10.2. Personal Data
- 2.10.3. Roles in the Processing of Personal Data
- 2.10.4. ARCO Rights
- 2.10.5. The DPO (Data Protection Officer). Functions

Module 3. IT Security Management

3.1. Security Management
- 3.1.1. Security Operations
- 3.1.2. Legal and Regulatory Aspects
- 3.1.3. Business Qualification
- 3.1.4. Risk Management
- 3.1.5. Identity and Access Management

3.2. Security Area Structure. The CISO's Office
- 3.2.1. Organizational Structure. Position of the CISO in the Structure
- 3.2.2. Lines of Defense
- 3.2.3. Organizational Chart of the CISO's Office
- 3.2.4. Budget Management

3.3. Security Governance
- 3.3.1. Safety Committee
- 3.3.2. Risk Monitoring Committee
- 3.3.3. Audit Committee
- 3.3.4. Crisis Committee

3.4. Security Governance. Functions
- 3.4.1. Policies and Standards
- 3.4.2. Security Master Plan
- 3.4.3. Control Panels
- 3.4.4. Awareness and Education
- 3.4.5. Supply Chain Security

3.5. Security Operations
- 3.5.1. Identity and Access Management
- 3.5.2. Configuration of Network Security Rules. *Firewalls*
- 3.5.3. IDS/IPS Platform Management
- 3.5.4. Vulnerability Analysis

3.6. Cybersecurity Framework. NIST CSF
- 3.6.1. NIST Methodology
  - 3.6.1.1. Identify
  - 3.6.1.2. Protect
  - 3.6.1.3. Detect
  - 3.6.1.4. Respond
  - 3.6.1.5. Retrieve

3.7. Security Operations Center (SOC) Functions
- 3.7.1. Protection. *Red Team, Pentesting, Threat Intelligence*
- 3.7.2. Detection. SIEM, User Behavior Analytics, Fraud Prevention
- 3.7.3. Response

3.8. Security Audits
- 3.8.1. Intrusion Test
- 3.8.2. Red Team Exercises
- 3.8.3. Source Code Audits. Secure Development
- 3.8.4. Component Safety (Software Supply Chain)
- 3.8.5. Forensic Analysis

3.9. Incident Response
- 3.9.1. Preparation
- 3.9.2. Detection, Analysis and Notification
- 3.9.3. Containment, Eradication and Recovery
- 3.9.4. Post-Incident Activity
  - 3.9.4.1. Evidence Retention
  - 3.9.4.2. Forensic Analysis
  - 3.9.4.3. Gap Management
- 3.9.5. Official Cyber-Incident Management Guidelines

3.10. Vulnerability Management
- 3.10.1. Vulnerability Analysis
- 3.10.2. Vulnerability Assessment
- 3.10.3. System Basing
- 3.10.4. Zero-Day Vulnerabilities. *Zero-Day*

Module 4. Risk Analysis and IT Security Environment

4.1. Environmental Analysis
- 4.1.1. Analysis of the Economic Situation
  - 4.1.1.1. VUCA Environments
    - 4.1.1.1.1. Volatile
    - 4.1.1.1.2. Uncertain
    - 4.1.1.1.3. Complex
    - 4.1.1.1.4. Ambiguous
  - 4.1.1.2. BANI Environments
    - 4.1.1.2.1. Brittle
    - 4.1.1.2.2. Anxious
    - 4.1.1.2.3. Nonlinear
    - 4.1.1.2.4. Incomprehensible
- 4.1.2. Analysis of the General Environment. PESTEL
  - 4.1.2.1. Politics
  - 4.1.2.2. Economics
  - 4.1.2.3. Social
  - 4.1.2.4. Technological
  - 4.1.2.5. Ecological/Environmental
  - 4.1.2.6. Legal
- 4.1.3. Analysis of the Internal Situation. SWOT Analysis
  - 4.1.3.1. Objectives
  - 4.1.3.2. Threats
  - 4.1.3.3. Opportunities
  - 4.1.3.4. Strengths

4.2. Risk and Uncertainty
- 4.2.1. Risk
- 4.2.2. Risk Management
- 4.2.3. Risk Management Standards

4.3. ISO 31.000:2018 Risk Management Guidelines
- 4.3.1. Object
- 4.3.2. Principles
- 4.3.3. Frame of Reference
- 4.3.4. Process

4.4. Methodology for Analysis and Management of Information Systems Risks (MAGERIT)
- 4.4.1. MAGERIT Methodology
  - 4.4.1.1. Objectives
  - 4.4.1.2. Method
  - 4.4.1.3. Components
  - 4.4.1.4. Techniques
  - 4.4.1.5. Available Tools (PILAR)

4.5. Cyber Risk Transfer
- 4.5.1. Risk Transfer
- 4.5.2. Cyber Risks. Typology
- 4.5.3. Cyber Risk Insurance

4.6. Agile Methodologies for Risk Management
- 4.6.1. Agile Methodologies
- 4.6.2. Scrum for Risk Management
- 4.6.3. *Agile Risk Management*

4.7. Technologies for Risk Management
- 4.7.1. Artificial Intelligence Applied to Risk Management
- 4.7.2. Blockchain and Cryptography. Value Preservation Methods
- 4.7.3. Quantum Computing. Opportunity or Threat

4.8. IT Risk Mapping Based on Agile Methodologies
- 4.8.1. Representation of Probability and Impact in Agile Environments
- 4.8.2. Risk as a Threat to Value
- 4.8.3. Re-Evolution in Project Management and Agile Processes based on KRIs

4.9. Risk-Driven in Risk Management
- 4.9.1. *Risk-Driven*
- 4.9.2. Risk-Driven in Risk Management
- 4.9.3. Development of a Risk-Driven Business Management Model

4.10. Innovation and Digital Transformation in IT Risk Management
- 4.10.1. Agile Risk Management as a Source of Business Innovation
- 4.10.2. Transforming Data into Useful Information for Decision Making
- 4.10.3. Holistic View of the Company Through Risk

Module 5. Cryptography in IT

5.1. Cryptography
- 5.1.1. Cryptography
- 5.1.2. Mathematical Foundations

5.2. Cryptology
- 5.2.1. Cryptology
- 5.2.2. Cryptanalysis
- 5.2.3. Steganography and Stegoanalysis

5.3. Cryptographic Protocols
- 5.3.1. Basic Blocks
- 5.3.2. Basic Protocols
- 5.3.3. Intermediate Protocols
- 5.3.4. Advanced Protocol
- 5.3.5. Exoteric Protocols

5.4. Cryptographic Techniques
- 5.4.1. Key Length
- 5.4.2. Key Management
- 5.4.3. Types of Algorithms
- 5.4.4. Key Management *Hash*
- 5.4.5. Pseudo-Random Number Generators
- 5.4.6. Use of Algorithms

5.5. Symmetric Cryptography
- 5.5.1. Block Ciphers
- 5.5.2. DES (Data Encryption Standard)
- 5.5.3. RC4 Algorithm
- 5.5.4. AES (Advanced Encryption Standard)
- 5.5.5. Combination of Block Ciphers
- 5.5.6. Key Derivation

5.6. Asymmetric Cryptography
- 5.6.1. Diffie-Hellman
- 5.6.2. DSA (Digital Signature Algorithm)
- 5.6.3. RSA (Rivest, Shamir and Adleman)
- 5.6.4. Elliptic Curve
- 5.6.5. Asymmetric Cryptography. Typology

5.7. Digital Certificates
- 5.7.1. Digital Signature
- 5.7.2. X509 Certificates
- 5.7.3. Public Key Infrastructure (PKI)

5.8. Implementations
- 5.8.1. Kerberos
- 5.8.2. IBM CCA
- 5.8.3. Pretty Good Privacy (PGP)
- 5.8.4. ISO Authentication Framework
- 5.8.5. SSL and TLS
- 5.8.6. Smart Cards in Means of Payment (EMV)
- 5.8.7. Mobile Telephony Protocols
- 5.8.8. *Blockchain*

5.9. Steganography
- 5.9.1. Steganography
- 5.9.2. Stegoanalysis
- 5.9.3. Applications and Uses

5.10. Quantum Cryptography
- 5.10.1. Quantum Algorithms
- 5.10.2. Protection of Algorithms from Quantum Computing
- 5.10.3. Quantum Key Distribution

Module 6. Identity and Access Management in IT Security

6.1. Identity and Access Management (IAM)
- 6.1.1. Digital Identity
- 6.1.2. Identity Management
- 6.1.3. Identity Federation

6.2. Physical Access Control
- 6.2.1. Protection Systems
- 6.2.2. Area Security
- 6.2.3. Recovery Facilities

6.3. Logical Access Control
- 6.3.1. Authentication: Typology
- 6.3.2. Authentication Protocols
- 6.3.3. Authentication Attacks

6.4. Logical Access Control. MFA Authentication
- 6.4.1. Logical Access Control. MFA Authentication
- 6.4.2. Passwords. Importance
- 6.4.3. Authentication Attacks

6.5. Logical Access Control. Biometric Authentication
- 6.5.1. Logical Access Control. Biometric Authentication
  - 6.5.1.1. Biometric Authentication. Requirements
- 6.5.2. Operation
- 6.5.3. Models and Techniques

6.6. Authentication Management Systems
- 6.6.1. *Single Sign On*
- 6.6.2. Kerberos
- 6.6.3. AAA Systems

6.7. Authentication Management Systems: AAA Systems
- 6.7.1. TACACS
- 6.7.2. RADIUS
- 6.7.3. DIAMETER

6.8. Access Control Services
- 6.8.1. FW - Firewall
- 6.8.2. VPN - Virtual Private Networks
- 6.8.3. IDS - Intrusion Detection System

6.9. Network Access Control Systems
- 6.9.1. NAC
- 6.9.2. Architecture and Elements
- 6.9.3. Operation and Standardization

6.10. Access to Wireless Networks
- 6.10.1. Types of Wireless Networks
- 6.10.2. Security in Wireless Networks
- 6.10.3. Attacks on Wireless Networks

Module 7. Security in Communications and Software Operations

7.1. IT Security in Communications and Software Operations
- 7.1.1. IT Security
- 7.1.2. Cybersecurity
- 7.1.3. Cloud Security

7.2. IT Security in Communications and Software Operations Typology
- 7.2.1. Physical Security
- 7.2.2. Logical Security

7.3. Communications Security
- 7.3.1. Main Elements
- 7.3.2. Network Security
- 7.3.3. Best Practices

7.4. Cyberintelligence
- 7.4.1. Social Engineering
- 7.4.2. *Deep Web*
- 7.4.3. *Phishing*
- 7.4.4. *Malware*

7.5. Secure Development in Communications and Software Operation
- 7.5.1. Secure Development. HTTP Protocol
- 7.5.2. Secure Development. Life Cycle
- 7.5.3. Secure Development. PHP Security
- 7.5.4. Secure Development. NET Security
- 7.5.5. Secure Development. Best Practices

7.6. Information Security Management Systems in Communications and Software Operation
- 7.6.1. GDPR
- 7.6.2. ISO 27021
- 7.6.3. ISO 27017/18

7.7. SIEM Technologies
- 7.7.1. SIEM Technologies
- 7.7.2. SOC Operation
- 7.7.3. SIEM Vendors

7.8. The Role of Security in Organizations
- 7.8.1. Roles in Organizations
- 7.8.2. Role of IoT Specialists in Companies
- 7.8.3. Recognized Certifications in the Market

7.9. Forensic Analysis
- 7.9.1. Forensic Analysis
- 7.9.2. Forensic Analysis. Methodology
- 7.9.3. Forensic Analysis. Tools and Implementation

7.10. Cybersecurity Today
- 7.10.1. Major Cyber-Attacks
- 7.10.2. Employability Forecasts
- 7.10.3. Challenges

Module 8. Security in Cloud Environments

8.1. Security in Cloud Computing Environments
- 8.1.1. Security in Cloud Computing Environments
- 8.1.2. Security in Cloud Computing Environments. Threats and Security Risks
- 8.1.3. Security in Cloud Computing Environments. Key Security Aspects

8.2. Types of Cloud Infrastructure
- 8.2.1. Public
- 8.2.2. Private
- 8.2.3. Hybrid

8.3. Shared Management Model
- 8.3.1. Security Elements Managed by Vendor
- 8.3.2. Elements Managed by Customer
- 8.3.3. Definition of the Security Strategy

8.4. Prevention Mechanisms
- 8.4.1. Authentication Management Systems
- 8.4.2. Authorization Management System: Access Policies
- 8.4.3. Key Management Systems

8.5. System Securitization
- 8.5.1. Securitization of Storage Systems
- 8.5.2. Protection of Database Systems
- 8.5.3. Securing Data in Transit

8.6. Infrastructure Protection
- 8.6.1. Secure Network Design and Implementation
- 8.6.2. Security in Computing Resources
- 8.6.3. Tools and Resources for Infrastructure Protection

8.7. Detection of Threats and Attacks
- 8.7.1. Auditing, Logging and Monitoring Systems
- 8.7.2. Event and Alarm Systems
- 8.7.3. SIEM Systems

8.8. Incident Response
- 8.8.1. Incident Response Plan
- 8.8.2. Business Continuity
- 8.8.3. Forensic Analysis and Remediation of Incidents of the Same Nature

8.9. Security in Public Clouds
- 8.9.1. AWS (Amazon Web Services)
- 8.9.2. Microsoft Azure
- 8.9.3. Google GCP
- 8.9.4. Oracle Cloud

8.10. Regulations and Compliance
- 8.10.1. Security Compliance
- 8.10.2. Risk Management
- 8.10.3. People and Process in Organizations

Module 9. Security in IoT Device Communications

9.1. From Telemetry to IoT
- 9.1.1. Telemetry
- 9.1.2. M2M Connectivity
- 9.1.3. Democratization of Telemetry

9.2. IoT Reference Models
- 9.2.1. IoT Reference Model
- 9.2.2. Simplified IoT Architecture

9.3. IoT Security Vulnerabilities
- 9.3.1. IoT Devices
- 9.3.2. IoT Devices. Usage Case Studies
- 9.3.3. IoT Devices. Vulnerabilities

9.4. IoT Connectivity
- 9.4.1. PAN, LAN, WAN Networks
- 9.4.2. Non IoT Wireless Technologies
- 9.4.3. LPWAN Wireless Technologies

9.5. LPWAN Technologies
- 9.5.1. The Iron Triangle of LPWAN Networks
- 9.5.2. Free Frequency Bands vs. Licensed Bands
- 9.5.3. LPWAN Technology Options

9.6. LoRaWAN Technology
- 9.6.1. LoRaWAN Technology
- 9.6.2. LoRaWAN Use Cases. Ecosystem
- 9.6.3. Security in LoRaWAN

9.7. Sigfox Technology
- 9.7.1. Sigfox Technology
- 9.7.2. Sigfox Use Cases. Ecosystem
- 9.7.3. Sigfox Security

9.8. IoT Cellular Technology
- 9.8.1. IoT Cellular Technology (NB-IoT and LTE-M)
- 9.8.2. Cellular IoT Use Cases. Ecosystem
- 9.8.3. IoT Cellular Security

9.9. WiSUN Technology
- 9.9.1. WiSUN Technology
- 9.9.2. WiSUN Use Cases. Ecosystem
- 9.9.3. Security in WiSUN

9.10. Other IoT Technologies
- 9.10.1. Other IoT Technologies
- 9.10.2. Use Cases and Ecosystem of Other IoT Technologies
- 9.10.3. Security in Other IoT Technologie

Module 10. Business Continuity Plan Related to Security

10.1. Business Continuity Plans
- 10.1.1. Business Continuity Plans (BCP)
- 10.1.2. Business Continuity Plans(BCP) Key Aspects
- 10.1.3. Business Continuity Plan (BCP) for Company Valuation

10.2. Metrics in Business Continuity Plans(BCP)
- 10.2.1. Recovery Time Objective (RTO) and Recovery Point Objective (RPO)
- 10.2.2. Maximum Tolerable Downtime (MTD)
- 10.2.3. Minimum Recovery Levels (ROL)
- 10.2.4. Recovery Point Objective (RPO)

10.3. Continuity Projects. Typology
- 10.3.1. Business Continuity Plans(BCP)
- 10.3.2. ICT Continuity Plan (ICTCP)
- 10.3.3. Disaster Recovery Plan (DRP)

10.4. Risk Management Associated with the BCP
- 10.4.1. Business Impact Analysis
- 10.4.2. Benefits of Implementing a BCP
- 10.4.3. Risk-Based Mentality

10.5. Life Cycle of a Business Continuity Plan
- 10.5.1. Phase 1: Organizational Analysis
- 10.5.2. Phase 2: Determining the Continuity Strategy
- 10.5.3. Phase 3: Response to Contingency
- 10.5.4. Phase 4: Tests, Maintenance and Review

10.6. Organizational Analysis Phase of a BCP
- 10.6.1. Identification of Processes in the Scope of the BCP
- 10.6.2. Identification of Critical Business Areas
- 10.6.3. Identification of Dependencies Between Areas and Processes
- 10.6.4. Determination of Appropriate BAT
- 10.6.5. Deliverables. Creation of a Plan

10.7. Determination Phase of the Continuity Strategy in a BCP
- 10.7.1. Roles in the Strategy Determination Phase
- 10.7.2. Tasks in the Strategy Determination Phase
- 10.7.3. Deliverables

10.8. Contingency Response Phase of a BCP
- 10.8.1. Roles in the Response Phase
- 10.8.2. Tasks in This Phase
- 10.8.3. Deliverables

10.9. Testing, Maintenance and Revision Phase of a BCP
- 10.9.1. Roles in the Testing, Maintenance and Review Phase
- 10.9.2. Tasks in the Testing, Maintenance and Review Phase
- 10.9.3. Deliverables

10.10. ISO Standards Associated with Business Continuity Plans (BCP)
- 10.10.1. ISO 22301:2019
- 10.10.2. ISO 22313:2020
- 10.10.3. Other Related ISO and International Standards

Module 11. Leadership, Ethics, and Corporate Social Responsibility

11.1. Globalization and Governance
- 11.1.1. Governance and Corporate Governance
- 11.1.2. The Fundamentals of Corporate Governance in Companies
- 11.1.3. The Role of the Board of Directors in the Corporate Governance Framework

11.2. Leadership
- 11.2.1. Leadership. A Conceptual Approach
- 11.2.2. Leadership in Companies
- 11.2.3. The Importance of Leaders in Business Management

11.3. *Cross-Cultural Management*
- 11.3.1. Cross-Cultural Management Concept
- 11.3.2. Contributions to Knowledge of National Cultures
- 11.3.3. Diversity Management

11.4. Management and Leadership Development
- 11.4.1. Concept of Management Development
- 11.4.2. Concept of Leadership
- 11.4.3. Leadership Theories
- 11.4.4. Leadership Styles
- 11.4.5. Intelligence in Leadership
- 11.4.6. The Challenges of Today's Leader

11.5. Business Ethics
- 11.5.1. Ethics and Morality
- 11.5.2. Business Ethics
- 11.5.3. Leadership and Ethics in Companies

11.6. Sustainability
- 11.6.1. Sustainability and Sustainable Development
- 11.6.2. The 2030 Agenda
- 11.6.3. Sustainable Companies

11.7. Corporate Social Responsibility
- 11.7.1. International Dimensions of Corporate Social Responsibility
- 11.7.2. Implementing Corporate Social Responsibility
- 11.7.3. The Impact and Measurement of Corporate Social Responsibility

11.8. Responsible Management Systems and Tools
- 11.8.1. CSR: Corporate Social Responsibility (CSR)
- 11.8.2. Essential Aspects for Implementing a Responsible Management Strategy
- 11.8.3. Steps for the Implementation of a Corporate Social Responsibility Management System
- 11.8.4. CSR Tools and Standards

11.9. Multinationals and Human Rights
- 11.9.1. Globalization, Multinational Corporations and Human Rights
- 11.9.2. Multinational Corporations and International Law
- 11.9.3. Legal Instruments for Multinationals in the Area of Human Rights

11.10. Legal Environment and Corporate Governance
- 11.10.1. International Rules on Importation and Exportation
- 11.10.2. Intellectual and Industrial Property
- 11.10.3. International Labor Law

Module 12. People and Talent Management

12.1. Strategic People Management
- 12.1.1. Strategic Human Resources Management
- 12.1.2. Strategic People Management

12.2. Human Resources Management by Competencies
- 12.2.1. Analysis of the Potential
- 12.2.2. Remuneration Policy
- 12.2.3. Career/Succession Planning

12.3. Performance Evaluation and Performance Management
- 12.3.1. Performance Management
- 12.3.2. Performance Management: Objectives and Process

12.4. Innovation in Talent and People Management
- 12.4.1. Strategic Talent Management Models
- 12.4.2. Talent Identification, Training and Development
- 12.4.3. Loyalty and Retention
- 12.4.4. Proactivity and Innovation

12.5. Motivation
- 12.5.1. The Nature of Motivation
- 12.5.2. Expectations Theory
- 12.5.3. Needs Theory
- 12.5.4. Motivation and Financial Compensation

12.6. Developing High-Performance Teams
- 12.6.1. High-Performance Teams: Self-Managed Teams
- 12.6.2. Methodologies for the Management of High-Performance Self-Managed Teams

12.7. Change Management
- 12.7.1. Change Management
- 12.7.2. Type of Change Management Processes
- 12.7.3. Stages or Phases in the Change Management Process

12.8. Negotiation and Conflict Management
- 12.8.1. Negotiation
- 12.8.2. Conflict Management
- 12.8.3. Crisis Management

12.9. Executive Communication
- 12.9.1. Internal and External Communication in the Corporate Environment
- 12.9.2. Communication Departments
- 12.9.3. The Person in Charge of Communication of the Company. The Profile of the Dircom

12.10. Productivity, Attraction, Retention and Activation of Talent
- 12.10.1. Productivity
- 12.10.2. Talent Attraction and Retention Levers

Module 13. Economic and Financial Management

13.1. Economic Environment
- 13.1.1. Macroeconomic Environment and the National Financial System
- 13.1.2. Financial Institutions
- 13.1.3. Financial Markets
- 13.1.4. Financial Assets
- 13.1.5. Other Financial Sector Entities

13.2. Executive Accounting
- 13.2.1. Basic Concepts
- 13.2.2. The Company's Assets
- 13.2.3. The Company's Liabilities
- 13.2.4. The Company's Net Worth
- 13.2.5. The Income Statement

13.3. Information Systems and Business Intelligence
- 13.3.1. Fundamentals and Classification
- 13.3.2. Cost Allocation Phases and Methods
- 13.3.3. Choice of Cost Center and Impact

13.4. Budget and Management Control
- 13.4.1. The Budget Model
- 13.4.2. The Capital Budget
- 13.4.3. The Operating Budget
- 13.4.5. Treasury Budget
- 13.4.6. Budget Monitoring

13.5. Financial Management
- 13.5.1. The Company's Financial Decisions
- 13.5.2. Financial Department
- 13.5.3. Cash Surpluses
- 13.5.4. Risks Associated with Financial Management
- 13.5.5. Financial Administration Risk Management

13.6. Financial Planning
- 13.6.1. Definition of Financial Planning
- 13.6.2. Actions to Be Taken in Financial Planning
- 13.6.3. Creation and Establishment of the Business Strategy
- 13.6.4. The Cash Flow Table
- 13.6.5. The Working Capital Table

13.7. Corporate Financial Strategy
- 13.7.1. Corporate Strategy and Sources of Financing
- 13.7.2. Financial Products for Corporate Financing

13.8. Strategic Financing
- 13.8.1. Self-Financing
- 13.8.2. Increase in Equity
- 13.8.3. Hybrid Resources
- 13.8.4. Financing Through Intermediaries

13.9. Financial Analysis and Planning
- 13.9.1. Analysis of the Balance Sheet
- 13.9.2. Analysis of the Income Statement
- 13.9.3. Profitability Analysis

13.10. Analyzing and Solving Cases/Problems
- 13.10.1. Financial Information on Industria de Diseño y Textil, S.A. (INDITEX)

Module 14. Commercial and Strategic Marketing Management

14.1. Commercial Management
- 14.1.1. Conceptual Framework of Commercial Management
- 14.1.2. Business Strategy and Planning
- 14.1.3. The Role of Sales Managers

14.2. Marketing
- 14.2.1. The Concept of Marketing
- 14.2.2. Basic Elements of Marketing
- 14.2.3. Marketing Activities of the Company

14.3. Strategic Marketing Management
- 14.3.1. The Concept of Strategic Marketing
- 14.3.2. Concept of Strategic Marketing Planning
- 14.3.3. Stages in the Process of Strategic Marketing Planning

14.4. Digital Marketing and E-Commerce
- 14.4.1. Digital Marketing and E-Commerce Objectives
- 14.4.2. Digital Marketing and Media Used
- 14.4.3. E-Commerce. General Context
- 14.4.4. Categories of E-Commerce
- 14.4.5. Advantages and Disadvantages of E-Commerce Versus Traditional Commerce

14.5. Digital Marketing to Reinforce a Brand
- 14.5.1. Online Strategies to Improve Your Brand's Reputation
- 14.5.2. *Branded Content and Storytelling*

14.6. Digital Marketing to Attract and Retain Customers
- 14.6.1. Loyalty and Engagement Strategies through the Internet
- 14.6.2. *Visitor Relationship Management*
- 14.6.3. Hypersegmentation

14.7. Managing Digital Campaigns
- 14.7.1. What Is a Digital Advertising Campaign?
- 14.7.2. Steps to Launch an Online Marketing Campaign
- 14.7.3. Mistakes in Digital Advertising Campaigns

14.8. Sales Strategy
- 14.8.1. Sales Strategy
- 14.8.2. Sales Methods

14.9. Corporate Communication
- 14.9.1. Concept
- 14.9.2. The Importance of Communication in the Organization
- 14.9.3. Type of Communication in the Organization
- 14.9.4. Functions of Communication in the Organization
- 14.9.5. Elements of Communication
- 14.9.6. Communication Problems
- 14.9.7. Communication Scenarios

14.10. Digital Communication and Reputation
- 14.10.1. Online Reputation
- 14.10.2. How to Measure Digital Reputation?
- 14.10.3. Online Reputation Tools
- 14.10.4. Online Reputation Report
- 14.10.5. Online Branding

Module 15. Executive Management

15.1. General Management
- 15.1.1. The Concept of General Management
- 15.1.2. The Role of the CEO
- 15.1.3. The CEO and Their Responsibilities
- 15.1.4. Transforming the Work of Management

15.2. Manager Functions: Organizational Culture and Approaches
- 15.2.1. Manager Functions: Organizational Culture and Approaches

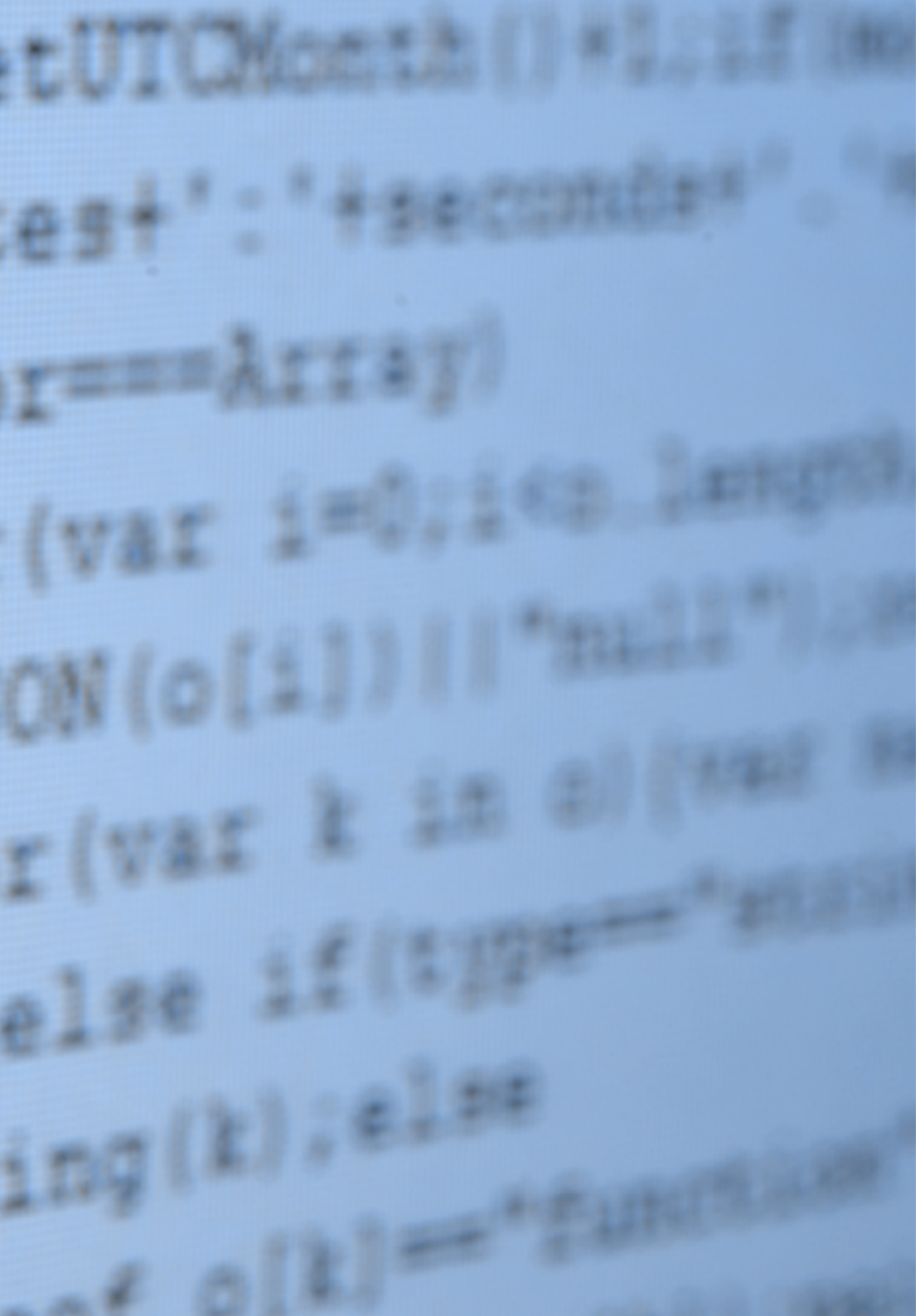
15.3. Operations Management
- 15.3.1. The Importance of Management
- 15.3.2. Value Chain
- 15.3.3. Quality Management

15.4. Public Speaking and Spokesperson Education
- 15.4.1. Interpersonal Communication
- 15.4.2. Communication Skills and Influence
- 15.4.3. Communication Barriers

15.5. Personal and Organizational Communications Tools
- 15.5.1. Interpersonal Communication
- 15.5.2. Interpersonal Communication Tools
- 15.5.3. Communication in the Organization
- 15.5.4. Tools in the Organization

15.6. Communication in Crisis Situations
- 15.6.1. Crisis
- 15.6.2. Phases of the Crisis
- 15.6.3. Messages: Contents and Moments

15.7. Preparation of a Crisis Plan
- 15.7.1. Analysis of Possible Problems
- 15.7.2. Planning
- 15.7.3. Adequacy of Personnel



15.8. Emotional Intelligence
- 15.8.1. Emotional Intelligence and Communication
- 15.8.2. Assertiveness, Empathy and Active Listening
- 15.8.3. Self-Esteem and Emotional Communication

15.9. Personal Branding
- 15.9.1. Strategies for Personal Brand Development
- 15.9.2. Personal Branding Laws
- 15.9.3. Tools for Creating Personal Brands

15.10. Leadership and Team Management
- 15.10.1. Leadership and Leadership Styles
- 15.10.2. Leader Capabilities and Challenges
- 15.10.3. Managing Change Processes
- 15.10.4. Managing Multicultural Teams

The specialized readings will allow you to further expand the rigorous academic content provided in this program"

04

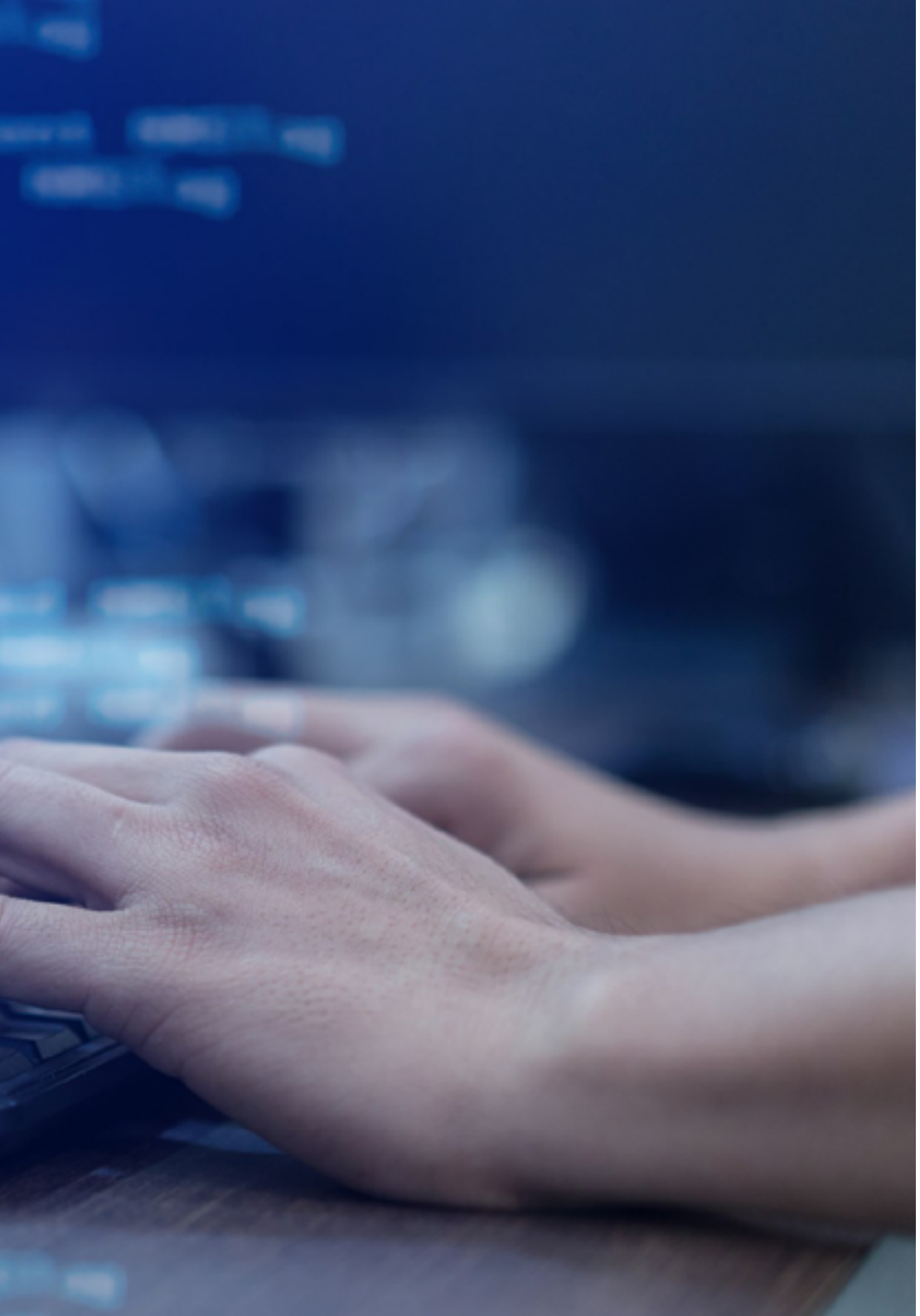
Teaching Objectives

The educational objectives of this program address the need to prepare profiles capable of leading complex and highly vulnerable digital ecosystems. Therefore, the goal is to develop competencies in risk analysis, security strategy design, and decision-making under pressure. Additionally, it aims to strengthen the ability to interpret international regulations, manage specialized teams, and anticipate emerging threats. Thanks to a structure focused on executive practice, the content allows for linking cybersecurity with organizational objectives, consolidating a comprehensive vision that combines technology, management, and strategic vision in high-demand environments.

You will manage specialized teams and multidisciplinary projects with an executive perspective focused on the prevention of cyberattacks"

General Objectives

- Generate specialized knowledge about an information system, types and security aspects that must be taken into account
- Identify the vulnerabilities of an information system
- Develop the legal regulation and typification of the crime attacking an information system
- Evaluate the different models of security architecture to establish the most suitable model for the organization
- Identify the regulatory frameworks of application and their regulatory bases
- Analyze the organizational and functional structure of an information security area (the CISO's office)
- Develop the concept of risk and uncertainty within the environment we live in
- Examine the Risk Management Model based on ISO 31,000
- Study the science of cryptology and its relationship with its branches: cryptography, cryptanalysis, steganography, and stegoanalysis
- Analyze the types of cryptography according to the type of algorithm and according to its use



Specific Objectives

Module 1. Security in System Design and Development

- Assess the security of an information system in all its components and layers.
- Identify current security threat types and trends
- Establish security guidelines by defining security and contingency policies and plans
- Analyze strategies and tools to ensure the integrity and security of information systems.

Module 2. Information Security Architectures and Models

- Align the Safety Master Plan with the organization's strategic objectives.
- Establish a continuous risk management framework as an integral part of the Master Security Plan.
- Determine appropriate indicators for monitoring ISMS implementation
- Analyze the objectives and procedures associated with the employee, supplier and partner awareness plan.

Module 3. IT Security Management

- Identify the different structures that an information security area can have
- Develop a security model based on three lines of defense.
- Present the different periodic and extraordinary committees in which the cybersecurity area is involved
- Specify the technological tools that support the main functions of the security operations team (SOC)

Module 4. Risk Analysis and IT Security Environment
- Examine, with a holistic view, the environment in which we operate.
- Analyze the risks based on the best practices at our disposal
- Evaluate the potential impact of these risks and opportunities
- Generate value from the design of proprietary models for agile risk management.

Module 5. Cryptography in IT
- Compile the fundamental operations (XOR, large numbers, substitution and transposition) and the various components (One-Way functions, Hash, random number generators)
- Analyze cryptographic techniques
- Develop the different cryptographic algorithms
- Demonstrate the use of digital signatures and their application in digital certificates

Module 6. Identity and Access Management in IT Security
- Develop the concept of digital identity
- Evaluating physical access control to information
- Fundamentals of biometric authentication and MFA authentication
- Evaluate attacks related to information confidentiality

Module 7. Security in Communications and Software Operations
- Develop expertise in physical and logical security
- Determine knowledge in communications and networks
- Identify major malicious attacks
- Establish a secure development framework

Module 8. Security in Cloud Environments
- Identify risks of a public cloud infrastructure deployment
- Define security requirements
- Develop a security plan for a cloud deployment
- Distinguish the cloud services to be deployed for the execution of a security plan

Module 9. Security in IoT Device Communications
- Introduce the simplified IoT architecture
- Explain the differences between generalist connectivity technologies and connectivity technologies for the IoT
- Establish the concept of the iron triangle of IoT connectivity
- Analyze the security specifications of LoRaWAN technology, NB-IoT technology and WiSUN technology

Module 10. Business Continuity Plan Related to Security
- Present the key elements of each phase and analyze the characteristics of the Business Continuity Plan
- Determine the success and risk maps for each phase of the Business Continuity Plan

Module 11. Leadership, Ethics, and Corporate Social Responsibility
- Analyze the impact of globalization on corporate governance and corporate social responsibility
- Evaluate the importance of effective leadership in the management and success of companies
- Define cross-cultural management strategies and their relevance in diverse business environments
- Develop leadership skills and understand the current challenges faced by leaders

Module 12. People and Talent Management

- Determine the relationship between strategic direction and human resources management
- Delve into the competencies necessary for the effective management of human resources by competencies
- Delve into the methodologies for performance evaluation and management
- Integrate innovations in talent management and their impact on employee retention and staff loyalty

Module 13. Economic and Financial Management

- Analyze the macroeconomic environment and its influence on the national and international financial system
- Define the information systems and Business Intelligence for financial decision-making
- Differentiate key financial decisions and risk management in financial management
- Evaluate strategies for financial planning and obtain business financing

Module 14. Commercial and Strategic Marketing Management

- Structure the conceptual framework and the importance of commercial management in companies
- Delve into the fundamental elements and activities of marketing and their impact on the organization
- Determine the stages of the strategic marketing planning process
- Evaluate strategies to improve corporate communication and the digital reputation of the company

Module 15. Executive Management

- Define the concept of general management and its relevance in business management
- Evaluate the roles and responsibilities of managers in organizational culture
- Analyze the importance of operations management and quality management in the value chain
- Develop interpersonal communication and public speaking skills for the creation of spokespersons

You will implement security policies, business continuity, and incident response within the organizational structure"

05

Career Opportunities

The unstoppable advancement of digitalization has created a high demand for specialists capable of leading security in complex and globalized environments. In this regard, professional opportunities related to Advanced Cybersecurity Management have diversified, ranging from executive positions such as Chief Information Security Officer to key roles in consulting, auditing, and cyber intelligence analysis. Additionally, the growing regulatory compliance is driving the need for experts in governance and data protection. Therefore, this profile is solidifying as one of the most strategic and promising within the current digital ecosystem.

You will oversee risks, regulations, and the protection of digital assets in any company"

Graduate Profile

The profile of a graduate from this program is characterized by a solid combination of technical skills, strategic vision, and leadership in digital environments. Those who complete this program are equipped to design cybersecurity policies, coordinate multidisciplinary teams, and make critical decisions in response to complex incidents. In addition, they are proficient in cyber intelligence tools, vulnerability analysis, and risk management, integrating this knowledge with a deep understanding of the regulatory and business environment. As such, a highly competitive profile is developed, prepared to anticipate threats, optimize digital protection processes, and lead security in organizations across any sector.

You will advise organizations on defining and implementing security frameworks, regulatory compliance, and crisis management.

- **Technological Adaptability:** Ability to incorporate emerging tools and respond to the constantly evolving digital environment
- **Change Management:** Skill to drive organizational transformations focused on digital security and resilience
- **Critical Thinking:** Competence to analyze complex environments, identify vulnerabilities, and propose effective solutions
- **Professional Ethics:** Commitment to integrity, confidentiality, and regulatory compliance in the management of IT security

After completing the university program, you will be able to apply your knowledge and skills in the following positions:

1. Chief Information Security Officer: Responsible for defining and leading the global cybersecurity strategy in an organization, aligning it with corporate objectives.
2. **Information Security Officer:** Oversees the implementation of security policies, standards, and controls to protect digital assets.
3. **Cybersecurity Consultant:** Advises companies on risk identification, process improvement, and the adoption of secure technological solutions.
4. **Cyber Intelligence Analyst:** Analyzes data and behaviors to detect potential threats and anticipate targeted attacks.
5. **Security Systems Auditor:** Evaluates compliance with regulations and standards in technological infrastructure and corporate networks.
6. **Technology Risk Manager:** Identifies, assesses, and mitigates risks associated with digital systems and IT processes.
7. **Business Continuity Manager:** Designs and coordinates plans to maintain critical operations in the event of cyber incidents.
8. **Incident Response Coordinator:** Leads response teams during cyberattacks, minimizing their impact and restoring operations.

"You will ensure that technological environments comply with international security standards and best practices"

06

Software Licenses Included

TECH is a leading reference in the academic world for combining the latest technology with teaching methodologies to enhance the teaching-learning process. To achieve this, it has established a network of alliances that allows it to access the most advanced software tools used in the professional world.

Upon enrolling, you will receive, completely free of charge, academic credentials for the following professional software applications"

TECH has established a network of professional alliances with the leading providers of software applied to various professional fields. These alliances allow TECH to access hundreds of software applications and licenses, making them available to its students.

The academic software licenses will allow students to use the most advanced applications in their professional field, so they can become familiar with them and master their use without incurring additional costs. TECH will handle the contracting process, ensuring that students can use the software without limitations throughout their time in the Professional Master's Degree MBA in Advanced Cybersecurity Management (CISO) and they will be able to do so completely free of charge.

TECH will provide free access to the following software applications:

Google Career Launchpad

Google Career Launchpad is a solution for developing digital skills in technology and data analysis. With an estimated value of **$5,000**, it is included **for free** in TECH's university program, providing access to interactive labs and certifications recognized in the industry.

This platform combines technical training with practical cases, using technologies such as BigQuery and Google AI. It offers simulated environments to work with real data, along with a network of experts for personalized guidance.

Key Features:

- **Specialized Courses:** Updated content in cloud computing, machine learning, and data analysis
- **Live Labs:** Hands-on practice with real Google Cloud tools, no additional configuration required
- **Integrated Certifications:** Preparation for official exams with international validity
- **Professional Mentoring:** Sessions with Google experts and technology partners
- **Collaborative Projects:** Challenges based on real-world problems from leading companies

In conclusion, **Google Career Launchpad** connects users with the latest market technologies, facilitating their entry into fields such as artificial intelligence and data science with industry-backed credentials.

Thanks to TECH, you will be able to use the best professional software applications in your field for free"

07

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.

TECH will prepare you to face new challenges in uncertain environments and achieve success in your career"

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.
The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

"At TECH you will NOT have live classes (which you might not be able to attend)"

The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

> *TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want"*

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.

Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.

"The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule"

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.

As such, the best educational materials, thoroughly prepared, will be available in this program:

Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.

Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.

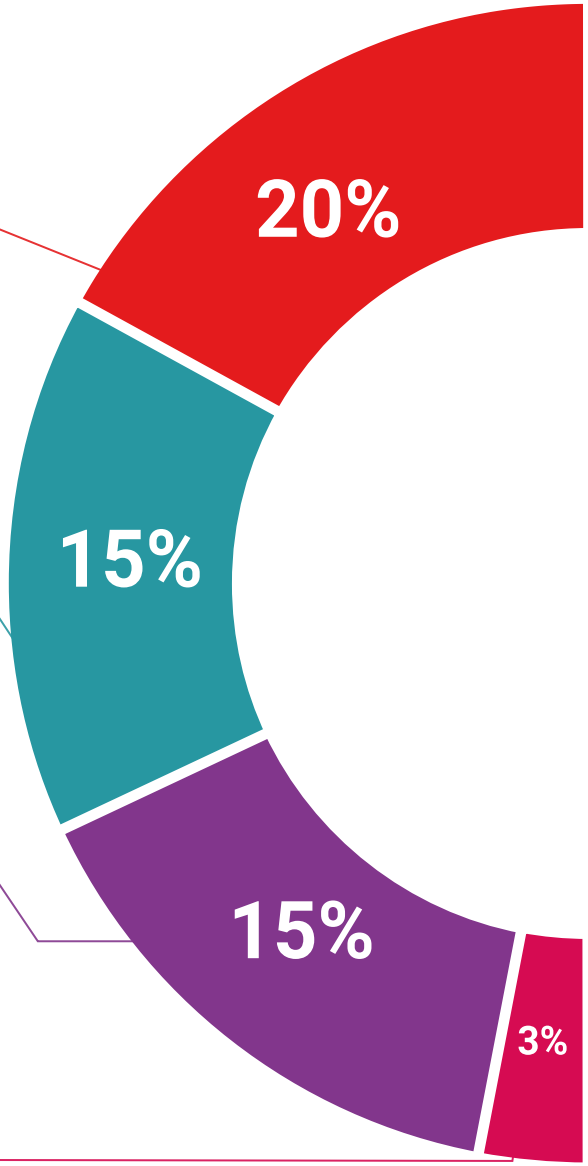
Interactive Summaries

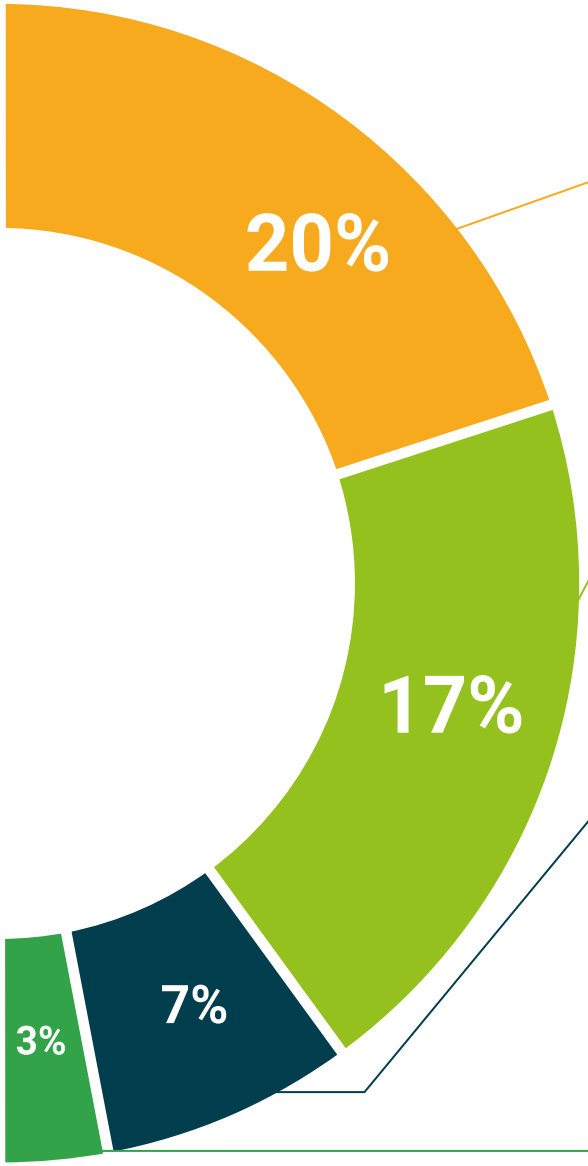
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





Case Studies

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.

Testing & Retesting

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.

Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an expert strengthens knowledge and memory, and generates confidence for future difficult decisions.

Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical and effective way to help students progress in their learning.

08

Teaching Staff

The faculty of this program is composed of active experts with a solid track record in high-demand environments, both in the public and private sectors. Thanks to their international experience, they provide a practical and up-to-date perspective on the challenges in advanced cybersecurity. Furthermore, their participation in strategic projects and specialized organizations ensures a rigorous, applied approach aligned with global trends. This combination of technical knowledge and executive perspective enriches each module with real-life cases, critical decisions, and tools currently used in leading digital organizations.

You will have the support of a faculty formed by distinguished professionals in Advanced Cybersecurity Management"

International Guest Director

With over 20 years of experience in designing and leading global **talent acquisition teams**, Jennifer Dove is an expert in **technology recruitment** and **strategy**. Throughout her career, she has held senior positions in several technology organizations within ***Fortune 50*** **companies**such as **NBCUniversal** and **Comcast**. Her track record has allowed her to excel in competitive, high-growth environments.

As **Vice President of Talent Acquisition** at **Mastercard**she is responsible for overseeing talent onboarding strategy and execution, collaborating with business leaders and **HR Managers** to meet operational and strategic hiring objectives. In particular, she aims to **build diverse**, **inclusive** and **high-performing teams** that drive innovation and growth of the company's products and services. In addition, she is adept at using tools to attract and retain the best people from around the world. She is also responsible for **amplifying** Mastercard's **employer brand** and **value proposition** through publications, events and social media.

Jennifer Dove has demonstrated her commitment to continuous professional development by actively participating in networks of **Human Resources** professionals and contributing to the onboarding of numerous employees at different companies. After earning her bachelor's degree in **Organizational Communication**from the University of Miami, she has held management positions in recruitment for companies in various areas.

On the other hand, it has been recognized for its ability to lead organizational transformations, **integrate technologies** into **recruitment processes** and develop leadership programs that prepare institutions for future challenges. She has also successfully implemented **wellness programs** that have significantly increased employee satisfaction and retention.

Ms. Dove, Jennifer

- Vice President of Talent Acquisition at Mastercard, New York, United States
- Director of Talent Acquisition at NBCUniversal Media, New York, USA
- Head of Recruitment at Comcast
- Director of Recruiting at Rite Hire Advisory, New York, USA
- Executive Vice President of the Sales Division at Ardor NY Real Estate
- Director of Recruitment at Valerie August & Associates
- Account Executive at BNC
- Account Executive at Vault
- Degree in Organizational Communication from the University of Miami

Thanks to TECH, you will be able to learn with the best professionals in the world"

International Guest Director

A technology leader with decades of experience in **major technology multinationals**, Rick Gauthier has developed prominently in the field of **cloud** services **and** end-to-end process improvement. He has been recognized as a leader and manager of highly efficient teams, showing a natural talent for ensuring a high level of engagement among his employees.

He possesses innate gifts in strategy and executive innovation, developing new ideas and backing his success with quality data. His background at **Amazon** has allowed him to manage and integrate the company's IT services in the United States. At **Microsoft** he led a team of 104 people, responsible for providing corporate-wide IT infrastructure and supporting product engineering departments across the company.

This experience has allowed him to stand out as a high-impact manager with remarkable abilities to increase efficiency, productivity and overall customer satisfaction.

Mr. Gauthier, Rick

- Regional IT Director at Amazon, Seattle, United States
- Senior Program Manager at Amazon
- Vice President of Wimmer Solutions
- Senior Director of Productive Engineering Services at Microsoft
- Degree in Cybersecurity from Western Governors University
- Technical Certificate in Commercial Diving from Divers Institute of Technology
- Degree in Environmental Studies from The Evergreen State College

Take the opportunity to learn about the latest advances in this field to apply it to your daily practice"

International Guest Director

Romi Arman is a renowned international expert with more than two decades of experience in **Digital Transformation**, **Marketing**, **Strategy** and **Consulting**. Through that extended trajectory, he has taken different risks and is a permanent **advocate** for **innovation** and **change** in the business environment. With that expertise, he has collaborated with CEOs and corporate organizations from all over the world, pushing them to move away from traditional business models. In this way, he has helped companies such as Shell Energy become **true market leaders**, focused on their **customers** and the **digital world**.

The strategies designed by Arman have a latent impact, as they have enabled several corporations **to improve the experiences of consumers**, **staff** and **shareholders** alike. The success of this expert is quantifiable through tangible metrics such as **CSAT**, **employee engagement** in the institutions where he has practiced and the growth of the **EBITDA financial indicator** in each of them.

Also, in his professional career, he has nurtured and **led high-performance teams** that have even received awards for their **transformational potential**. With Shell, specifically, the executive has always set out to overcome three challenges: meeting **customers'** complex **decarbonization** demands **supporting** a "**cost-effective decarbonization**" and **overhauling** a fragmented **data**, **digital and technology** landscape. Therefore, his efforts have shown that in order to achieve sustainable success, it is essential to start from the needs of consumers and lay the foundations for the transformation of processes, data, technology and culture.

In addition, the executive stands out for his mastery of the **business applications** of **Artificial Intelligence**, a subject in which he holds a postgraduate degree from the London Business School. At the same time, he has accumulated experience in **IoT** and **Salesforce**.

Mr. Arman, Romi

- Digital Transformation Director (CDO) at Shell Energy Corporation, London, UK
- Global Director of E-Commerce and Customer Service at Shell Energy Corporation
- National Key Account Manager (OEM and automotive retailers) for Shell in Kuala Lumpur, Malaysia
- Senior Management Consultant (Financial Services Sector) for Accenture based in Singapore
- Bachelor's Degree from the University of Leeds
- Postgraduate Degree in Business Applications of AI for Senior Executives from the London Business School
- CCXP Customer Experience Professional Certification
- Executive Digital Transformation Course by IMD

Do you want to update your knowledge with the highest educational quality? TECH offers you the most updated content in the academic market, designed by authentic experts of international prestige"

International Guest Director

Manuel Arens is an **experienced data management professional** and leader of a highly qualified team. In fact, Arens holds the position of **global purchasing manager** in Google's Technical Infrastructure and Data Center division, where he has spent most of his professional career. Based in Mountain View, California, he has provided solutions for the tech giant's operational challenges, such as master **data integrity**, **vendor data updates** and **vendor** prioritization. He has led data center supply chain planning and vendor risk assessment, generating improvements in vendor risk assessment, resulting in process improvements and workflow management that have resulted in significant cost savings.

With more than a decade of work providing digital solutions and leadership for companies in diverse industries, he has extensive experience in all aspects of strategic solution delivery, including **Marketing**, **media analytics**, **measurement** and **attribution**. In fact, he has received a number of accolades for his work, including the **BIM Leadership Award**, the **Search Leadership Award**, the **Lead Generation Export Program Award** and the **Export Lead Generation Program Award and the EMEA Best Sales Model Award.**

Arens also served as **Sales Manager** in Dublin, Ireland. In this role, he built a team of 4 to 14 members over three years and led the sales team to achieve results and collaborate well with each other and cross-functional teams. He also served as **Senior Industry Analyst,** in Hamburg, Germany, creating storylines for over 150 clients using internal and third party tools to support analysis. He developed and wrote in-depth reports to demonstrate his mastery of the subject matter, including understanding the macroeconomic and political/regulatory factors affecting technology adoption and diffusion.

He has also led teams at companies such as Eaton, Airbus and Siemens, where he gained valuable account management and supply chain experience. He is particularly noted for continually exceeding expectations by **building valuable customer relationships** and **working seamlessly with people at all levels of an organization**, including stakeholders, management, team members and customers. His data-driven approach and ability to develop innovative and scalable solutions to industry challenges have made him a prominent leader in his field.

Mr. Arens, Manuel

- Global Procurement Manager at Google, Mountain View, United States
- Senior Manager, B2B Analytics and Technology, Google, United States
- Sales Director at Google, Ireland
- Senior Industry Analyst at Google, Germany
- Accounts Manager at Google, Ireland
- Accounts Payable at Eaton, United Kingdom
- Supply Chain Manager at Airbus, Germany

Bet on TECH! You will have access to the best didactic materials, at the forefront of technology and education, implemented by internationally renowned specialists in the field"

International Guest Director

Andrea La Sala is an **experienced Marketing executive** whose projects have had a **significant impact** on the **Fashion environment**. Throughout his successful career he has developed different tasks related to **Product**, **Merchandising** and **Communication**. All of this linked to prestigious brands such as **Giorgio Armani**, **Dolce&Gabbana**, **Calvin Klein**, among others.

The results of this **high-profile international executive** have been linked to his proven ability to **synthesize information** in clear frameworks and execute **concrete actions** aligned to **specific business objectives**. In addition, he is recognized for his **proactivity** and **adaptability to fast-paced** work rhythms. To all this, this expert adds a **strong commercial awareness,, market vision** and a **genuine passion** for **products**.

As **Global Brand and Merchandising Director** at **Giorgio Armani**, he has overseen a variety of **Marketing strategies** for **apparel** and **accessories**. His tactics have also focused on the **retail environment** and **consumer needs** and **behavior**. In this role, La Sala has also been responsible for shaping the commercialization of products in different markets, acting as **team leader** in the **Design**, **Communication** and **Sales departments**..

Furthermore, in companies such as **Calvin Klein** or **Gruppo Coin**, he has undertaken projects to boost the **structure**, and **development** of **different collections**. In turn, he has been in charge of creating **effective calendars** for buying and selling **campaigns.**
He has also been in charge of the **terms**, **costs**, **processes** and **delivery times** of different operations.

These experiences have made Andrea La Sala one of the main and most qualified **corporate leaders** in **Fashion** and **Luxury**. A high managerial capacity with which he has managed to effectively **implement the positive positioning** of **different brands** and redefine their key performance indicators (KPIs).

Mr. La Sala, Andrea

- Global Brand & Merchandising Director of Armani Exchange at Giorgio Armani, Milan, Italy
- Merchandising Director at Calvin Klein
- Brand Manager at Gruppo Coin
- Brand Manager at Dolce&Gabbana
- Brand Manager at Sergio Tacchini S.p.A.
- Market Analyst at Fastweb
- Degree in Business and Economics from the University of Eastern Piedmont

The most qualified and experienced professionals at international level are waiting for you at TECH to offer you a first class teaching, updated and based on the latest scientific evidence. What are you waiting for to enroll?"

International Guest Director

Mick Gram is synonymous with innovation and excellence in the field of **Business Intelligence** internationally. His successful career is linked to leadership positions in multinationals such as **Walmart** and **Red Bull.** Likewise, this expert stands out for his vision to **identify emerging technologies** that, in the long term, achieve an everlasting impact in the corporate environment.

On the other hand, the executive is considered a **pioneer** in the **use of data visualization techniques** that simplified complex sets, making them accessible and facilitating decision-making. This ability became the pillar of his professional profile, transforming him into a desired asset for many organizations that bet on **gathering information** and **generating concrete actions** from them.

One of his most outstanding projects in recent years has been the **Walmart Data Café platform**, the largest of its kind in the world that is anchored in the **cloud** aimed at ***Big Data***analysis. In addition, he has held the position of **Director** of ***Business Intelligence*** at **Red Bull**, covering areas such as **Sales**, **Distribution**, **Marketing** and **Supply Chain Operations**. His team was recently recognized for its constant innovation regarding the use of Walmart Luminate's new API for Shopper and Channel insights.

As for his training, the executive has several Masters and postgraduate studies at prestigious centers such as the **University of Berkeley,**in the United States, and the **University of Copenhagen**, in Denmark. Through this continuous updating, the expert has attained cutting-edge skill. Because of this, he has come to be considered a **born leader** of the **new global economy**, centered on the drive for data and its infinite possibilities.

Mr. Gram, Mick

- Director of Business Intelligence and Analytics at Red Bull, Los Angeles, United States
- Business Intelligence Solutions Architect for Walmart Data Café
- Independent Business Intelligence and Data Science Consultant
- Director of Business Intelligence at Capgemini
- Chief Analyst at Nordea
- Senior Business Intelligence Consultant at SAS
- Executive Education in AI and Machine Learning at UC Berkeley College of Engineering
- Executive MBA in e-Commerce at the University of Copenhagen
- Bachelor's and Master's Degree in Mathematics and Statistics at the University of Copenhagen

Study at the world's best online university according to Forbes! In this MBA you will have access to an extensive library of multimedia resources, developed by internationally renowned professors"

International Guest Director

Scott Stevenson is a distinguished expert in the **Digital Marketing** sector who, for more than 19 years, has been linked to one of the most powerful companies in the entertainment industry, **Warner Bros. Discovery**. In this role, he has played a fundamental role in **overseeing logistics** and **creative workflows** across various digital platforms, including social media, search, display and linear media.

This executive's leadership has been crucial in driving in **production strategies** in **paid media**, resulting in a **marked improvement** which has resulted in **company's conversion** rates. At the same time, he has assumed other roles, such as Director of Marketing Services and Traffic Manager at the same multinational during his former management.

Stevenson has also been involved in the global distribution of video games and **digital property campaigns**. He was also responsible for introducing operational strategies related to the formation, completion and delivery of sound and image content for t**elevision commercials** and ***trailers.***

In addition, he holds a Bachelor's degree in Telecommunications from the University of Florida and a Master's Degree in Creative Writing from the University of California, which demonstrates his proficiency in **communication** and **storytelling.**. In addition, he has participated at Harvard University's School of Professional Development in cutting-edge programs on the use of **Artificial Intelligence** in **business.** Therefore, his professional profile stands as one of the most relevant in the current field of **Marketing** and **Digital Media.**

Mr. Stevenson, Scott

- Director of Digital Marketing at Warner Bros. Discovery, Burbank, United States
- Traffic Manager at Warner Bros. Entertainment
- Master's Degree in Creative Writing from the University of California
- Bachelor's Degree in Telecommunications from the University of Florida

Achieve your academic and career goals with the best qualified experts in the world! The faculty of this MBA will guide you through the entire learning process"

International Guest Director

Awarded with the "International Content Marketing Awards" for her creativity, leadership and quality of her informative contents, Wendy Thole-Muir is a recognized **Communication Director** highly specialized in the field of **Reputation Management.**

In this sense, she has developed a solid professional career of more than two decades in this field, which has led her to be part of prestigious international reference entities such as **Coca-Cola**. Her role involves the supervision and management of corporate communication, as well as the control of the organizational image. Among her main contributions, she has led the implementation of the Yammer **internal interaction platform**. Thanks to this, employees increased their commitment to the brand and created a community that significantly improved the transmission of information.

On the other hand, she has been in charge of managing the communication of the companies' **strategic investments** in different African countries. An example of this is that she has managed dialogues around significant investments in Kenya, demonstrating the commitment of the entities to the economic and social development of the country. At the same time, she has achieved numerous **recognitions** for her ability to manage the perception of the firms in all the markets in which it operates. In this way, she has ensured that companies maintain a high profile and consumers associate them with high quality.

In addition, in her firm commitment to excellence, she has actively participated in renowned global **Congresses and Symposiums** with the objective of helping information professionals to stay at the forefront of the most sophisticated techniques to **develop successful strategic communication plans**. In this way, she has helped numerous experts to anticipate institutional crisis situations and to manage adverse events in an effective manner.

Ms. Thole-Muir, Wendy

- Director of Strategic Communications and Corporate Reputation at Coca-Cola, South Africa
- Head of Corporate Reputation and Communications at ABI at SABMiller de Lovania, Belgium
- Communications Consultant at ABI, Belgium
- Reputation and Communications Consultant at Third Door in Gauteng, South Africa
- Master's Degree in Social Behavioral Studies, University of South Africa
- Master's Degree in Sociology and Psychology, University of South Africa
- Bachelor of Arts in Political Science and Industrial Sociology from the University of KwaZulu-Natal, South Africa
- Bachelor of Arts in Psychology from the University of South Africa

Thanks to this 100% online university program, you will be able to combine your studies with your daily obligations, under the guidance of the leading international experts in the field of your interest. Enroll now!"

Management

Mr. Olalla Bonal, Martín

- Senior Blockchain Practice Manager at EY
- Blockchain Client Technical Specialist for IBM
- Director of Architecture for Blocknitive
- Team Coordinator in Non-Relational Distributed Databases for WedoIT, a subsidiary of IBM
- Infrastructure Architect at Bankia
- Head of Layout Department at T-Systems
- Department Coordinator for Bing Data España SL

Teachers

Mr. Gonzalo Alonso, Félix

- CEO and Founder of Smart REM Solutions
- Head of Risk Engineering and Innovation at Dynargy
- Manager and founding partner of Risknova, a technology consultancy firm
- Master's Degree in Insurance Management from the Higher Institute for Collaboration between Insurance Companies
- Degree in Industrial Technical Engineering, specializing in Industrial Electronics from Comillas Pontifical University ICAI

Mr. Rodrigo Estébanez, Juan Manuel

- Co-founder of Ismet Tech
- Information Security Manager at Ecix Group
- Operational Security Officer at Atos IT Solutions and Services A/S
- Teacher of Cybersecurity Management in university studies
- Degree in Engineering from the University of Valladolid
- Master's Degree in Integrated Management Systems from CEU San Pablo University

Mr. Entrenas, Alejandro

- Cybersecurity Project Manager. Entelgy Innotec Security
- Cybersecurity Consultant. Entelgy
- Information Security Analyst. Innovery Spain
- Information Security Analyst. Atos
- Degree in Technical Engineering in Computer Systems from the University of Cordoba.
- Master's Degree in Information Security Management from the Polytechnic University of Madrid
- ITIL v4 Foundation Certificate in IT Service Management. ITIL Certified
- IBM Security QRadar SIEM 7.1 Advanced. Avnet
- IBM Security QRadar SIEM 7.1 Foundations. Avnet

Mr. Gómez Rodríguez, Antonio

- Principal Cloud Solutions Engineer for Oracle
- Co-organizer of Málaga Developer Meetup
- Specialist Consultant for Sopra Group and Everis
- Team Leader at System Dynamics
- Software Developer at SGO Software
- Master's Degree in E-Business from from La Salle Business School
- Postgraduate degree in Information Technologies and Systems from the Catalan Institute of Technology.
- Degree in Telecommunications Engineering from the Polytechnic University of Catalonia

Mr. Nogales Ávila, Javier

- Enterprise Cloud and Sourcing Senior Consultant at Quint
- Cloud and Technology Consultant at Indra
- Associate Technology Consultant at Accenture
- Graduate in Industrial Organization Engineering from the University of Jaén
- MBA in Business Administration and Management from ThePower Business School

Mr. Del Valle Arias, Jorge

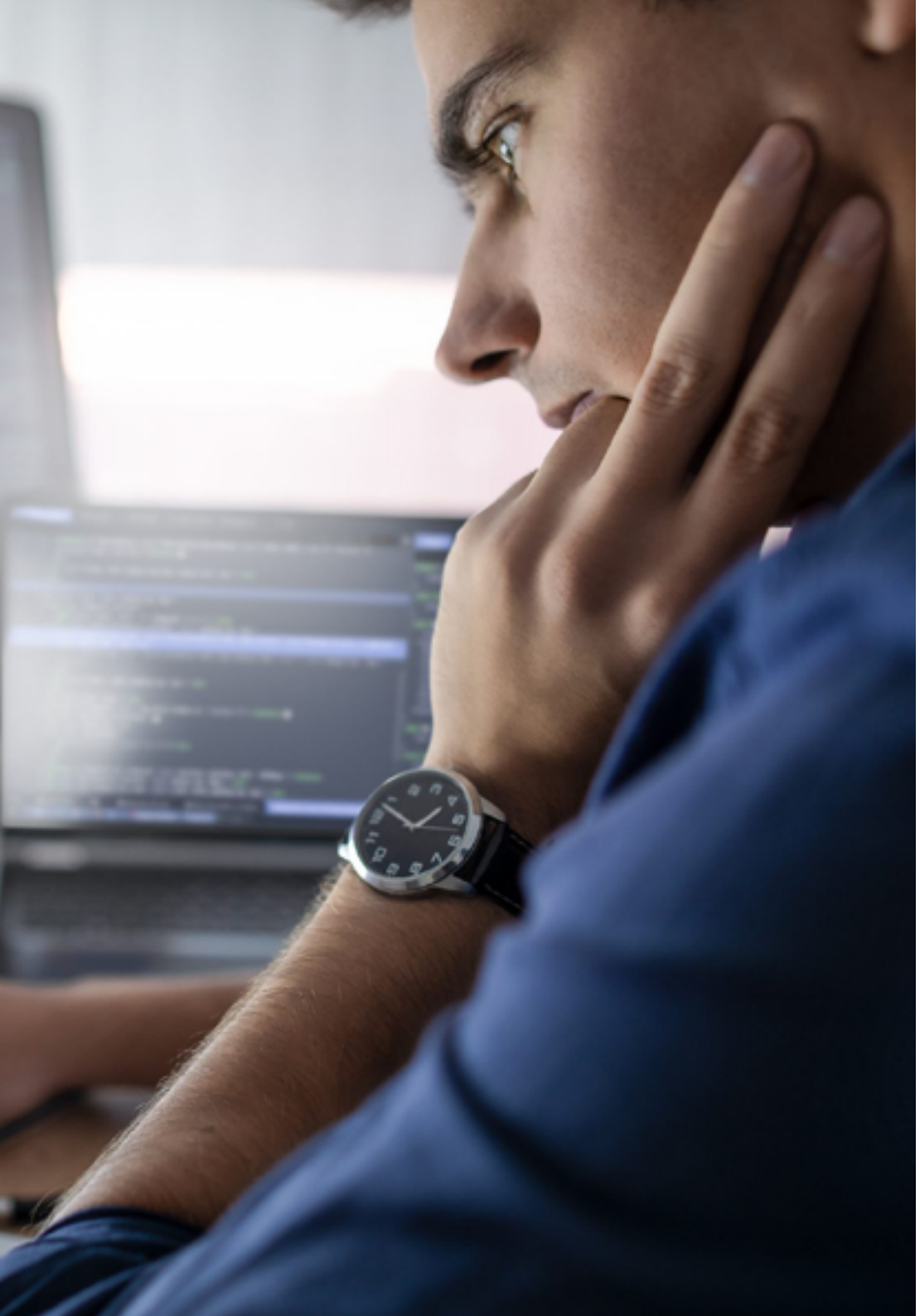
- Telecommunications Engineer with expertise in Business Development
- Smart City Solutions & Software Business Development Manager Spain Itron, Inc
- IoT Consultant
- Interim IoT Business Director. TCOMET
- IoT, Industry 4.0 Business Unit Manager. Diode Spain
- IoT and Telecommunications Sales Area Manager. Aicox Solutions
- Chief Technical Officer (CTO) and Business Development Manager. TELYC Consulting
- Founder and CEO of Sensor Intelligence
- Head of Operations and Projects. Codio
- Operations Director at Codium Networks
- Chief Engineer of hardware and firmware design. AITEMIN
- Regional Head of RF Planning and Optimization - LMDS 3.5 GHz Network. Clearwire
- Telecommunications Engineer from Universidad Politécnica de Madrid
- Executive MBA from the International Graduate School of La Salle of Madrid
- Master's Degree in Renewable Energies. CEPYME

Mr. Gozalo Fernández, Juan Luis

- Blockchain-based Product Manager for Open Canarias
- Director Blockchain DevOps Director at Alastria
- Director of Service Level Technology at Santander Spain
- Tinkerlink Mobile Application Development Manager at Cronos Telecom
- IT Service Management Technology Director at Barclays Bank Spain
- Bachelor's Degree in Computer Engineering from UNED
- Deep Learning Specialization in DeepLearning.ai

Ms. Jurado Jabonero, Lorena

- Head of Information Security (CISO) at Grupo Pascual
- Cybersecurity Manager at KPMG. Spain
- IT Processes and Infrastructure Control and Project Management Consultant at Bankia
- Exploitation Tools Engineer at Dalkia
- Developer at Banco Popular Group
- Applications Developer at the Polytechnic University of Madrid
- Graduate in Computer Engineering from the Alfonso X El Sabio University.
- Technical Engineer in Computer Management from the Polytechnic University of Madrid
- Certified Data Privacy Solutions Engineer (CDPSE) by ISACA



Mr. Ortega Esteban, Octavio

- Marketing and Web Development Specialist
- Freelance Computer Applications Programmer and Web Developer
- Chief Operating Officer at Smallsquid SL
- E-commerce Administrator at Ortega y Serrano
- Lecturer in Postgraduate courses in Computer and Communications Professionalism
- Lecturer in Computer Security Postgraduate courses
- Degree in Psychology from the Open University of Catalonia
- Higher University Technician in Software Analysis, Design and Solutions
- Higher University Technician in Advanced Programming

Mr. Embid Ruiz, Mario

- Lawyer Expert in ICT and Data Protection at Martínez-Echevarría Abogados
- Legal Manager of Branddocs SL
- Risk Analyst in the SME Segment at BBVA
- Lecturer in postgraduate university studies related to law
- Degree in Law from Rey Juan Carlos University
- Degree in Business Administration and Management from the Rey Juan Carlos University
- Master's Degree in New Technologies, Internet and Audiovisual Law from the Villanueva University Study Center

09

Certificate

The Professional Master's Degree MBA in Advanced Cybersecurity Management (CISO) guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the Professional Master's Degree issued by TECH Global University.

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

This private qualification will allow you to obtain a **Professional Master's Degree MBA in Advanced Cybersecurity Management (CISO)** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra (***official bulletin***). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

TECH is a member of **Business Graduates Association (BGA)**, the international network that brings together the most prestigious business schools in the world. This distinction reaffirms its commitment to excellence in responsible management and executive training.

Accreditation/Membership

BUSINESS GRADUATES ASSOCIATION MEMBER

Title: **Professional Master's Degree MBA in Advanced Cybersecurity Management (CISO)**

Modality: **online**

Duration: **12 months**

Accreditation: **90 ECTS**

tech global university

Mr./Ms. _____ with identification document _____
has successfully passed and obtained the title of:

Professional Master's Degree in MBA in Advanced Cybersecurity Management (CISO)

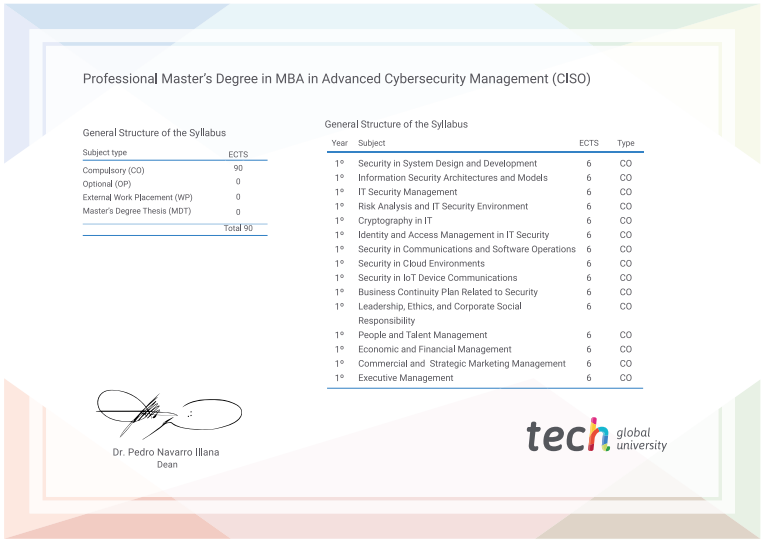
This is a private qualification of 2,700 hours of duration equivalent to 90 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Dean

Unique TECH Code: AFWORD23S techtitute.com/certificates



Professional Master's Degree in MBA in Advanced Cybersecurity Management (CISO)

General Structure of the Syllabus

Subject type	ECTS
Compulsory (CO)	90
Optional (OP)	0
External Work Placement (WP)	0
Master's Degree Thesis (MDT)	0
	Total 90

General Structure of the Syllabus

Year	Subject	ECTS	Type
1º	Security in System Design and Development	6	CO
1º	Information Security Architectures and Models	6	CO
1º	IT Security Management	6	CO
1º	Risk Analysis and IT Security Environment	6	CO
1º	Cryptography in IT	6	CO
1º	Identity and Access Management in IT Security	6	CO
1º	Security in Communications and Software Operations	6	CO
1º	Security in Cloud Environments	6	CO
1º	Security in IoT Device Communications	6	CO
1º	Business Continuity Plan Related to Security	6	CO
1º	Leadership, Ethics, and Corporate Social Responsibility	6	CO
1º	People and Talent Management	6	CO
1º	Economic and Financial Management	6	CO
1º	Commercial and Strategic Marketing Management	6	CO
1º	Executive Management	6	CO

Dr. Pedro Navarro Illana
Dean

tech global university

*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

tech global university

Professional Master's Degree

MBA in Advanced Cybersecurity Management (CISO)

- Modality: **online**
- Duration: **12 months**
- Certificate: **TECH Global University**
- Accreditation: **90 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Professional Master's Degree

MBA in Advanced Cybersecurity Management (CISO)

Accreditation/Membership

BUSINESS GRADUATES ASSOCIATION
MEMBER

tech global university