Postgraduate Diploma

Corrective Cybersecurity and Forensic Examination

CYBER SECURITY

CONFIRM

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tech global university

Postgraduate Diploma
Corrective Cybersecurity and Forensic Examination

- » Modality: **online**
- » Duration: **6 months**
- » Certificate: **TECH Global University**
- » Credits: **18 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**

Website: **www.techtitute.com/us/school-of-business/postgraduate-diploma/postgraduate-diploma-corrective-cybersecurity-forensic-examination**

Index

01
Welcome

It is commonplace for business professionals in the digital era to work online and, therefore, they are aware of the risks that it can bring, such as the theft of confidential information, data destruction or unfair competition, among others. For this reason, more and more people are deciding to broaden their knowledge beyond strictly the business-related, in order to be able to avoid potential malware affecting their work or, in the worst case scenario, to try to remedy the damage already done. At this point, work in computer forensics becomes extremely important, since it can detect real threats and determine their impact, among other highly relevant aspects. For business managers, understanding these issues is fundamental, as it will guide them on the strategies to follow. Therefore, this TECH program will be essential for their professional development in cybersecurity management, as it contains the most accurate and relevant information available in the field.

Postgraduate Diploma in Corrective Cybersecurity and Forensic Examination. TECH Global University

This specialization program will be essential to become an expert in Corrective Cybersecurity and Forensic Examination, and to be able to act against potential cyber attacks"

Why Study at TECH?

TECH is the world's largest 100% online business school. It is an elite business school, with a model based on the highest academic standards. A world-class centre for intensive managerial skills training.

TECH is a university at the forefront of technology, and puts all its resources at the student's disposal to help them achieve entrepreneurial success"

At TECH Global University

Innovation

The university offers an online learning model that combines the latest educational technology with the most rigorous teaching methods. A unique method with the highest international recognition that will provide students with the keys to develop in a rapidly-evolving world, where innovation must be every entrepreneur's focus.

"Microsoft Europe Success Story", for integrating the innovative, interactive multi-video system.

The Highest Standards

Admissions criteria at TECH are not economic. Students don't need to make a large investment to study at this university. However, in order to obtain a qualification from TECH, the student's intelligence and ability will be tested to their limits. The institution's academic standards are exceptionally high...

95% | of TECH students successfully complete their studies

Networking

Professionals from countries all over the world attend TECH, allowing students to establish a large network of contacts that may prove useful to them in the future.

100,000+ executives trained each year

200+ different nationalities

Empowerment

Students will grow hand in hand with the best companies and highly regarded and influential professionals. TECH has developed strategic partnerships and a valuable network of contacts with major economic players in 7 continents.

500+ | collaborative agreements with leading companies

Talent

This program is a unique initiative to allow students to showcase their talent in the business world. An opportunity that will allow them to voice their concerns and share their business vision.

After completing this program, TECH helps students show the world their talent.

Multicultural Context

While studying at TECH, students will enjoy a unique experience. Study in a multicultural context. In a program with a global vision, through which students can learn about the operating methods in different parts of the world, and gather the latest information that best adapts to their business idea.

TECH students represent more than 200 different nationalities.

TECH strives for excellence and, to this end, boasts a series of characteristics that make this university unique:

Learn with the best

In the classroom, TECH's teaching staff discuss how they have achieved success in their companies, working in a real, lively, and dynamic context. Teachers who are fully committed to offering a quality specialization that will allow students to advance in their career and stand out in the business world.

Teachers representing 20 different nationalities.

At TECH, you will have access to the most rigorous and up-to-date case studies in the academic community"

Analysis

TECH explores the student's critical side, their ability to question things, their problem-solving skills, as well as their interpersonal skills.

Academic Excellence

TECH offers students the best online learning methodology. The university combines the Relearning method (a postgraduate learning methodology with the highest international rating) with the Case Study. A complex balance between tradition and state-of-the-art, within the context of the most demanding academic itinerary.

Economy of Scale

TECH is the world's largest online university. It currently boasts a portfolio of more than 10,000 university postgraduate programs. And in today's new economy, **volume + technology = a ground-breaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.

Why Our Program?

Studying this TECH program means increasing the chances of achieving professional success in senior business management.

It is a challenge that demands effort and dedication, but it opens the door to a promising future. Students will learn from the best teaching staff and with the most flexible and innovative educational methodology.

tech

" We have highly qualified teachers and the most complete syllabus on the market, which allows us to offer you training of the highest academic level"

This program will provide students with a multitude of professional and personal advantages, particularly the following:

01

A significant career boost

By studying at TECH, students will be able to take control of their future and develop their full potential. By completing this program, students will acquire the skills required to make a positive change in their career in a short period of time.

70% of participants achieve positive career development in less than 2 years.

02

Develop a strategic and global vision of companies

TECH offers an in-depth overview of general management to understand how each decision affects each of the company's different functional areas.

Our global vision of companies will improve your strategic vision.

03

Consolidate the student's senior management skills

Studying at TECH means opening the doors to a wide range of professional opportunities for students to position themselves as senior executives, with a broad vision of the international environment.

You will work on more than 100 real senior management cases.

04

Take on new responsibilities

The program will cover the latest trends, advances and strategies, so that students can carry out their professional work in a changing environment.

45% of graduates are promoted internally.

05

Access to a powerful network of contacts

TECH connects its students to maximize opportunities. Students with the same concerns and desire to grow. Therefore, partnerships, customers or suppliers can be shared.

You will find a network of contacts that will be instrumental for professional development.

06

Thoroughly develop business projects

Students will acquire a deep strategic vision that will help them develop their own project, taking into account the different areas in companies.

20% of our students develop their own business idea.

07

Improve soft skills and management skills

TECH helps students apply and develop the knowledge they have acquired, while improving their interpersonal skills in order to become leaders who make a difference.

Improve your communication and leadership skills and enhance your career.

08

Be part of an exclusive community

Students will be part of a community of elite executives, large companies, renowned institutions, and qualified professors from the most prestigious universities in the world: the TECH Global University community.

We give you the opportunity to train with a team of world renowned teachers.

04
Objectives

Business professionals are increasingly concerned about IT security in their companies. Therefore, there is ample demand for high-level programs that cover aspects related to cybersecurity. TECH, in light of this need, has designed this Postgraduate Diploma so managers and other business professionals can count on an educational guide to help them improve in the field, one of extreme relevance to professional performance and to competitiveness in business.

This program will help you meet your academic objectives in the field of cybersecurity"

TECH makes the goals of their students their own goals too.
Working together to achieve them.

The **Postgraduate Diploma in Corrective Cybersecurity and Forensic Examination** qualifies students to:

01 Analyze the phases of a compiler

04 Develop different malware analysis techniques

02 Examine x86 processor architecture and ARM processor architecture

03 Apply Sandboxing in different environments

05 Establish the tools used in malware analysis

06 Identify the different elements that expose a crime

08 Recover data that has been intentionally deleted

09 Analyze system logs and records

07 Generate specialized knowledge to obtain data from different media before they are lost

10 Determine how data is duplicated so as not to alter the originals

11 Substantiate evidence for consistency

14 Examine the use of cryptocurrencies, the impact on the economy and security

12 Establish how to defend the report to the appropriate authority

13 Specify strategies for secure teleworking

15 Analyze the status of users and the degree of digital illiteracy

16 Determine the scope of use of blockchain

18 Develop strategies to train the population in the correct use of technologies

19 Generate specialized knowledge to meet new security challenges and prevent identity theft

17 Present alternatives to IPv4 in network addressing

20 Specify strategies for secure teleworking

05
Structure and Content

TECH has designed a specific curriculum on Corrective Cybersecurity and Forensic Examination aimed at business professionals who wish to complete their education so as to work more confidently in their daily practice. Thus, the program includes relevant aspects on this field of cybersecurity, and is structured in such a way that students can self-direct their study, following an academic path that favors learning.

This curriculum has been designed with the need for specialization of business professionals in mind"

Syllabus

The Postgraduate Diploma in Corrective Cybersecurity and Forensic Examination is an intensive program that prepares students to face challenges and business decisions in computer security. Its content is designed to promote the development of managerial skills that enable more rigorous decision-making in uncertain environments.

Over 450 hours of study, students will study a multitude of practical cases through individual work, which will allow them to acquire the necessary skills to successfully develop in their daily practice. It is, therefore, an authentic immersion in real business situations.

This program deals with the different areas of a company in depth, and it is designed for managers to understand cybersecurity from a strategic, international and innovative perspective.

A plan designed for students, focused on their professional development, which prepares them to achieve excellence in the field of computer security management and administration. A program that understands your needs and those of your company through innovative content based on the latest trends, and supported by the best educational methodology and an exceptional faculty, which will provide you with the competencies to solve critical situations in a creative and efficient way.

This Postgraduate Diploma takes place over 6 months and is divided into 3 modules:

Module 1	Reverse Engineering
Module 2	Forensic Analysis
Module 3	Current and Future Challenges in Computer Security

Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate Diploma in Corrective Cybersecurity and Forensic Examination completely online. Over the course of 6 months you will be able to access all the contents of this program at any time, allowing you to self-manage your study time.

A unique, key, and decisive educational experience to boost your professional development and make the definitive leap.

Module 1. Reverse Engineering

1.1. Compilers
1.1.1. Types of Codes
1.1.2. Phases of a Compiler
1.1.3. Table of Symbols
1.1.4. Error Manager
1.1.5. GCC Compiler

1.2. Types of Analysis in Compilers
1.2.1. Lexical Analysis
    1.2.1.1. Terminology.
    1.2.1.2. Lexical Components
    1.2.1.3. LEX Lexical Analyzer

1.2.2. Parsing
    1.2.2.1. Context-free Grammars
    1.2.2.2. Types of Parsing
        1.2.2.2.1. Top-down Analysis
        1.2.2.2.2. Bottom-up Analysis

    1.2.2.3. Syntactic Trees and Derivations
    1.2.2.4. Types of Parsers
        1.2.2.4.1. LR (Left To Right) Analyzers
        1.2.2.4.2. LALR Analyzers
1.2.3. Semantic Analysis
    1.2.3.1. Attribute Grammars
    1.2.3.2. S-Attributed
    1.2.3.3. L-Attributed

1.3. Data Structures in Assembler
1.3.1. Variables
1.3.2. Arrays
1.3.3. Pointers
1.3.4. Structures
1.3.5. Objects

1.4. Assembler Code Structures
1.4.1. Selection Structures
    1.4.1.1. *If, else if, Else*
    1.4.1.2. Switch
1.4.2. Iteration Structures
    1.4.2.1. *For*
    1.4.2.2. While
    1.4.2.3. Use of Break
1.4.3. Functions

1.5. x86 Hardware Architecture
1.5.1. x86 Processor Architecture
1.5.2. x86 Data Structures
1.5.3. x86 Code Structures

1.6. ARM Hardware Architecture
1.6.1. ARM Processor Architecture
1.6.2. ARM Data Structures
1.6.3. ARM Code Structures

1.7. Static Code Analysis
1.7.1. Disassemblers
1.7.2. IDA
1.7.3. Code Rebuilders

1.8. Dynamic Code Analysis
1.8.1. Behavioral Analysis
    1.8.1.1. Communication
    1.8.1.2. Monitoring
1.8.2. Linux Code Debuggers
1.8.3. Windows Code Debuggers

1.9. *Sandbox*
1.9.1. Sandbox Architecture
1.9.2. Sandbox Evasion
1.9.3. Detection Techniques
1.9.4. Avoidance Techniques
1.9.5. Countermeasures
1.9.6. Sandbox on Linux
1.9.7. Sandbox on Windows
1.9.8. Sandbox on MacOS
1.9.9. Sandbox on Android

1.10. *Malware* Analysis
1.10.1. Malware Analysis Methods
1.10.2. Malware Obfuscation Techniques
    1.10.2.1. Executable Obfuscation
    1.10.2.2. Restriction of Execution Environments
1.10.3. Malware Analysis Tools

Module 2. Forensic Analysis

2.1. Data Acquisition and Duplication
2.1.1. Volatile Data Acquisition
2.1.1.1. System Information
2.1.1.2. Network Information
2.1.1.3. Volatility Order
2.1.2. Static Data Acquisition
2.1.2.1. Creating a Duplicate Image
2.1.2.2. Preparation of a Chain of Custody Document
2.1.3. Methods for Validation of Acquired Data
2.1.3.1. Methods for Linux
2.1.3.2. Methods for Windows

2.2. Evaluation and Defeat of Anti-Forensic Techniques
2.2.1. Objectives of Anti-Forensic Techniques
2.2.2. Data Deletion
2.2.2.1. Deletion of Data and Files
2.2.2.2. File Recovery
2.2.2.3. Recovery of Deleted Partitions
2.2.3. Password Protection
2.2.4. Steganography
2.2.5. Secure Device Wiping
2.2.6. Encryption

2.3. Operating System Forensics
2.3.1. Windows Foren
2.3.2. Linux Foren
2.3.3. Mac Foren

2.4. Network Forensics
2.4.1. Logs Analysis
2.4.2. Data Correlation
2.4.3. Network Research
2.4.4. Steps to Follow in Network Forensic

2.5. Web Forensics
2.5.1. Investigation of Web Attacks
2.5.2. Attack Detection
2.5.3. IP Address Location

2.6. Forensic Database Analysis
2.6.1. Forensic Analysis in MSSQL
2.6.2. MySQL Forensic Analysis
2.6.3. PostgreSQL Forensic Analysis
2.6.4. Forensic Analysis in MongoDB

2.7. *Cloud* Forensics
2.7.1. Types of Crimes in the Cloud
2.7.1.1. Cloud as Subject
2.7.1.2. Cloud as an Object
2.7.1.3. Cloud as a Tool
2.7.2. Challenges of Cloud Forensics
2.7.3. Researching Storage Services on the Cloud
2.7.4. Forensic Analysis Tools for Cloud

2.8. Investigation of Email Crimes
2.8.1. Mailing Systems
2.8.1.1. Mail Clients
2.8.1.2. Mail Server
2.8.1.3. SMTP Server
2.8.1.4. POP3 Server
2.8.1.5. IMAP4 Server
2.8.2. Mailing Crimes
2.8.3. Mail Message
2.8.3.1. Standard Headers
2.8.3.2. Extended Headers
2.8.4. Steps for the Investigation of these Crimes
2.8.5. E-Mail Forensic Tools

2.9. Mobile Forensic Analysis
2.9.1. Cellular Networks
2.9.1.1. Types of Networks
2.9.1.2. CDR Contents
2.9.2. Subscriber Identity Module (SIM)
2.9.3. Logical Acquisition
2.9.4. Physical Acquisition
2.9.5. File System Acquisition

2.10. Forensic Report Writing and Reporting
2.10.1. Important Aspects of a Forensic Report
2.10.2. Classification and Types of Reports
2.10.3. Guide to Writing a Report
2.10.4. Presentation of the Report
2.10.4.1. Prior Preparation for Testifying
2.10.4.2. Deposition
2.10.4.3. Dealing with the Media

Module 3. Current and Future Challenges in Information Security

3.1. *Blockchain* Technology
3.1.1. Scope of Application
3.1.2. Confidentiality Guarantee
3.1.3. Non-Repudiation Guarantee

3.2. Digital Money
3.2.1. Bitcoins
3.2.2. Cryptocurrencies
3.2.3. Cryptocurrency Mining
3.2.4. Pyramid Schemes
3.2.5. Other Potential Crimes and Problems

3.3. *Deepfake*
3.3.1. Media Impact
3.3.2. Dangers to Society
3.3.3. Detection Mechanisms

3.4. The Future of Artificial Intelligence
3.4.1. Artificial Intelligence and Cognitive Computing
3.4.2. Uses to Simplify Customer Service

3.5. Digital Privacy
3.5.1. Value of Data in the Network
3.5.2. Use of Data in the Network
3.5.3. Privacy and Digital Identity Management

3.6. Cyberconflicts, Cybercriminals and Cyberattacks
3.6.1. The Impact of Cybersecurity on International Conflicts
3.6.2. Consequences of Cyber-attacks on the General Population
3.6.3. Types of Cybercriminals. Protective Measures

3.7. Telework
3.7.1. Remote Work Revolution during and post COVID-19
3.7.2. Access Bottlenecks
3.7.3. Variation of the Attacking Surface
3.7.4. Workers' Needs

3.8. Emerging *Wireless* Technologies
3.8.1. WPA3
3.8.2. 5G
3.8.3. Millimeter Waves
3.8.4. Trend in "Get Smart" instead of "Get More"

3.9. Future Addressing in Networks
3.9.1. Current Problems with IP Addressing
3.9.2. IPv6
3.9.3. IPv4+
3.9.4. Advantages of IPv4+ Over IPv4
3.9.5. Advantages of IPv6 Over IPv4

3.10. The Challenge of Raising Awareness of Early and Continuing Education in the Population
3.10.1. Current Government Strategies
3.10.2. Resistance of the Population to on to Learning
3.10.3. Training Plans to be Adopted by Companies

06
Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

"*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization*"

TECH Business School uses the Case Study to contextualize all content

Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

"

At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world"

This program prepares you to face business challenges in uncertain environments and achieve business success.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch to present executives with challenges and business decisions at the highest level, whether at the national or international level. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and business reality is taken into account.

> *You will learn, through collaborative activities and real cases, how to solve complex situations in real business environments"*

The case method has been the most widely used learning system among the world's leading business schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question we face in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They must integrate all their knowledge, research, argue and defend their ideas and decisions.

Our program prepares you to face new challenges in uncertain environments and achieve success in your career.

Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

Our online system will allow you to organize your time and learning pace, adapting it to your schedule. You will be able to access the contents from any device with an internet connection.

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our online business school is the only one in the world licensed to incorporate this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically. With this methodology we have trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, markets, and financial instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

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.

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.

This program offers the best educational material, prepared with professionals in mind:
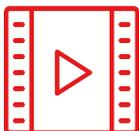
Study Material

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.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.

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 in future difficult decisions.

Management Skills Exercises

They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager needs to develop in the context of the globalization we live in.

Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.

30%

10%

8%

3%

30%

15%

4%
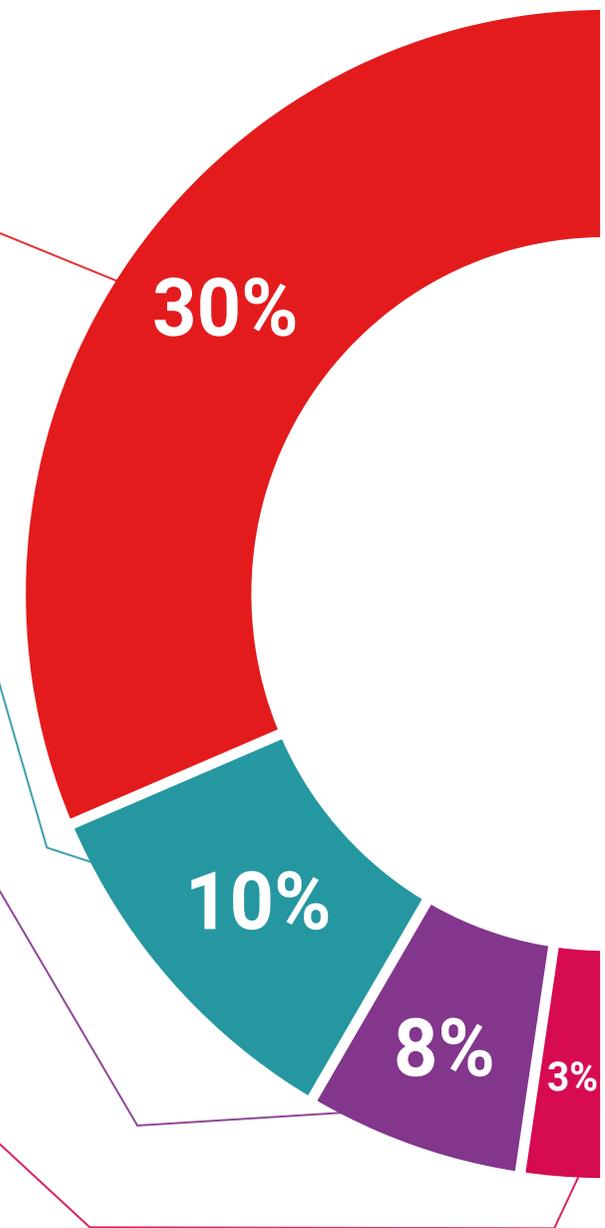
Case Studies

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best senior management specialists in the world.

Interactive Summaries

The TECH team presents 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".

Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.

Our Students' Profiles

This TECH academic program is aimed at business professionals who, understanding the danger of computer attacks that can affect their companies, have decided to study beyond their field of expertise as an essential component to properly monitor a company. Thus, these are managers who understand the need for continuous study to improve their professional skills and abilities.

"

The students on the program are business professionals who wish to increase their training in cybersecurity and forensic examination"

Average Age

Between **35** and **45** years old

Years of Experience

More than 15 years **24%**

Up to 5 years **17%**

5 to 10 years **30%**

10 to 15 years **29%**

Training

Economics and Business **22%**

MBA **25%**

Engineering and Computing **32%**

Social Sciences **8%**

Others **13%**

Academic Profile

Corporate Management **23%**

Project Managers **12%**

Entrepreneurs **20%**

Informatics **35%**

Others **10%**
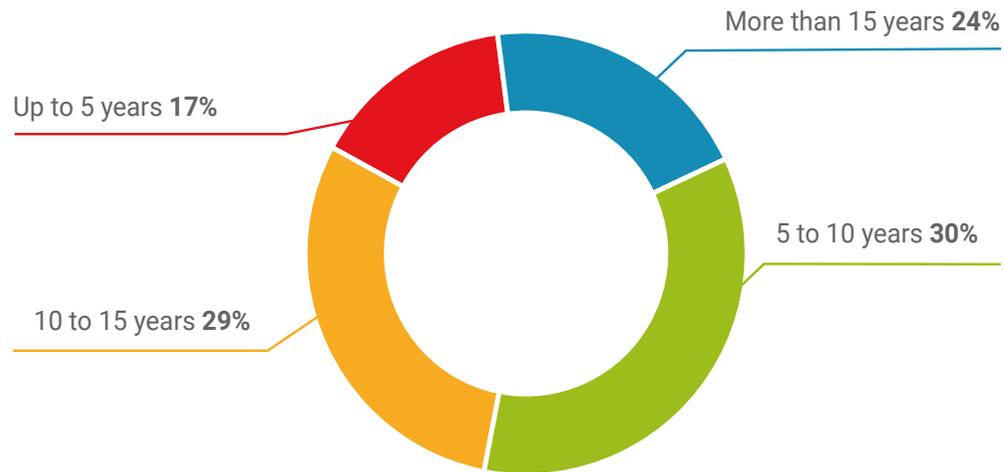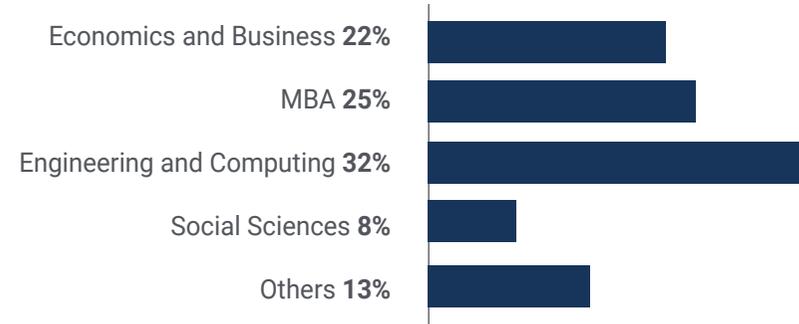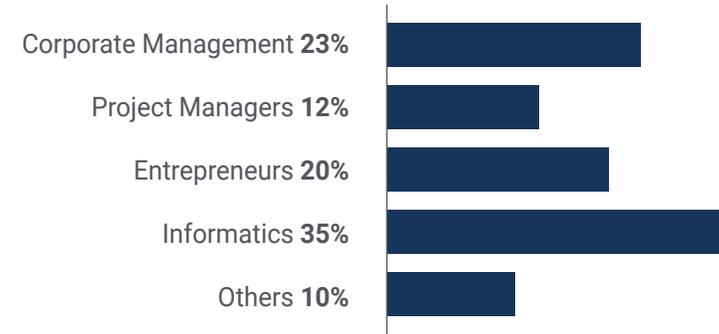
Geographical Distribution

USA **9%**

Spain **38%**

Mexico **21%**

Colombia **7%**

Argentina **12%**

Chile **5%**

Peru **2%**

Other **6%**
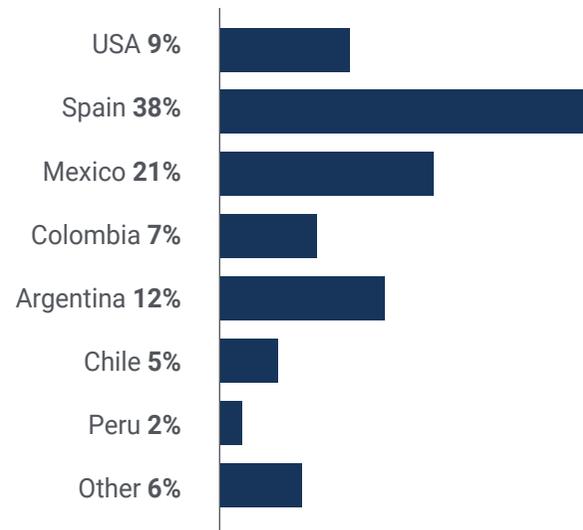
Jaime Díaz

Chief Revenue Officer

"This Postgraduate Diploma in Corrective Cybersecurity and Forensic Examination has allowed me to get into a field I had been interested in for years. Because of my profession, I handle confidential information on a daily basis and any malware can create a serious problem. Therefore, specialization in this field is a goal that I had long wanted to fulfill and, fortunately, TECH offered me the tools to achieve it."

Course Management

TECH has selected a first-class teaching staff to design this Postgraduate Diploma, consisting of professionals with extensive experience in the field, both in academia and business. Undoubtedly, specialists who will be able to offer students the most relevant information on the subject and answer their questions effectively. Highly experienced professors to help business professionals who wish to further their education.

Specialize in cybersecurity and forensic examination with the best teaching staff available today"

International Guest Director

Dr. Frederic Lemieux is internationally recognized as an innovative expert and inspirational leader in the fields of **Intelligence, National Security, Internal security, Cybersecurity and Disruptive Technologies**. His constant dedication and relevant contributions in Research and Education position him as a key figure in the promotion of security and the understanding of today's emerging technologies. During his professional career, he has conceptualized and directed cutting-edge academic programs at various renowned institutions, such as the **University of Montreal, George Washington University and Georgetown University**.

Throughout his extensive background, he has published multiple books of great relevance, all related to **criminal intelligence, policing, cyber threats and international security**. He has also contributed significantly to the field of Cybersecurity with the publication of numerous articles in academic journals, which examine crime control during major disasters, counter-terrorism, intelligence agencies and police cooperation. In addition, he has been a panelist and keynote speaker at various national and international conferences, establishing himself as a reference in the academic and professional arena.

Dr. Lemieux has held editorial and evaluative roles in different academic, private and governmental organizations, reflecting his influence and commitment to excellence in his field of expertise. As such, his prestigious academic career has led him to serve as Professor of Practice and Faculty Director of the MPS programs in **Applied Intelligence, Cybersecurity Risk Management, Technology Management and Information Technology Management at Georgetown University**.
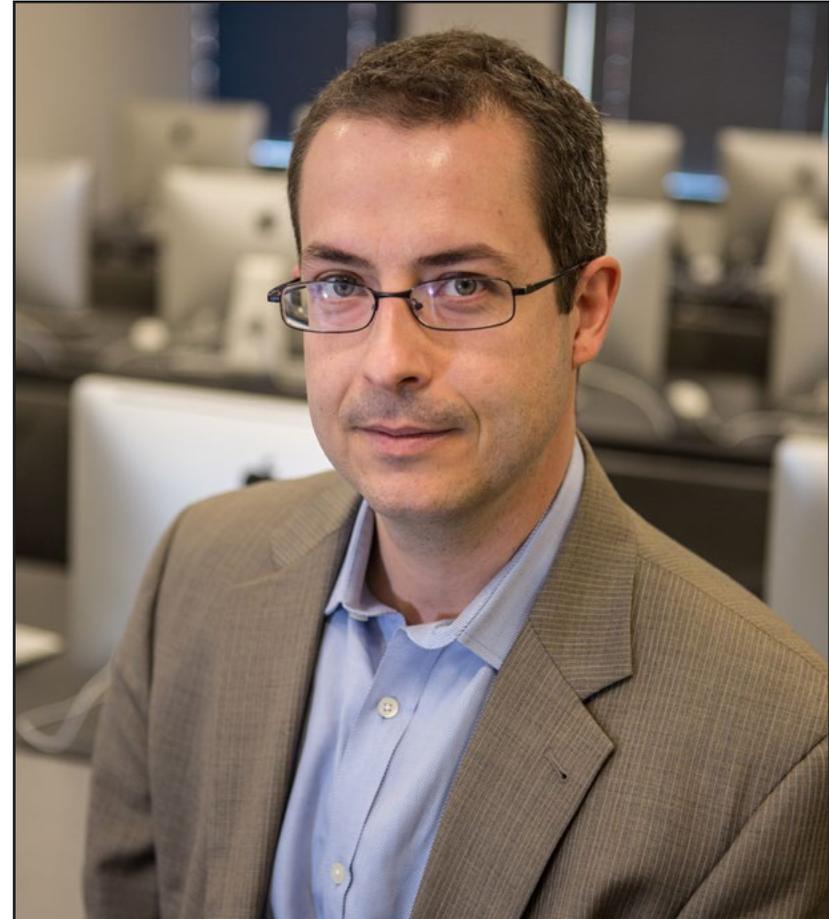
Dr. Lemieux, Frederic

- Director of the Master's Degree in Information Technology Management at Georgetown University
- Director of the Master's Degree in Technology Management at Georgetown University
- Director of the Master's Degree in Cybersecurity Risk Management at Georgetown University
- Director of the Master's Degree in Applied Intelligence at Georgetown University Professor of Internship at Georgetown University
- PhD in Criminology from the School of Criminology, University of Montreal
- B.A. in Sociology, Minor Degree in Psychology, University of Laval
- Member of: New Program Roundtable Committee, Georgetown University

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

Management

Ms. Fernández Sapena, Sonia

- Computer Security and Ethical Hacking Trainer National Reference Center of Getafe in Informatics and Telecommunications Madrid
- Certified E-Council Instructor Madrid
- Trainer in the following certifications: EXIN Ethical Hacking Foundation and EXIN Cyber & IT Security Foundation Madrid
- Accredited Expert Trainer, CAM; certificates of professionalism: Computer Security (IFCT0190), Voice and Data Network Management (IFCM0310), Departmental Network Administration (IFCT0410), Alarm Management in Telecommunications Networks (IFCM0410), Voice and Data Network Operator (IFCM0110), and Internet Services Administration (IFCT0509)
- External Collaborator CSO/SSA (Chief Security Officer/Senior Security Architect) University of the Balearic Islands
- IT Engineer Alcalá de Henares University. Madrid
- Master in DevOps: Docker and Kubernetes Cas-Training Madrid
- Microsoft Azure Security Technologies E-Council Madrid

Professors

Mr. Redondo, Jesús Serrano

- Junior FrontEnd Developer & Junior Cybersecurity Technician
- FrontEnd Developer at Telefónica, Madrid
- FrontEnd Developer Best Pro Consulting SL, Madrid
- Telecommunications Equipment and Services Installer Grupo Zener, Castilla y León
- Telecommunications Equipment and Services Installer Lican Comunicaciones SL, Castilla y León
- Certified in Computer Security CFTIC Getafe, Madrid
- Senior Technician: Telecommunications and Computer Systems IES Trinidad Arroyo High School, Palencia
- Senior Technician: MV and LV Electrotechnical Installations IES Trinidad Arroyo High School, Palencia
- Training in reverse engineering, stenography, encryption Incibe Hacker Academy (Incibe Talents)

A stimulating journey of professional growth designed to keep you interested and motivated throughout the entire program"

Impact on Your Career

Business professionals must have a high level of specialization in different areas: management, finance, logistics, communication, etc. In recent years, specialization in cybersecurity has been increasingly in demand, as managers need to monitor and keep abreast of everything that happens in the company; and this program provides them with sufficient management knowledge to work in this area. In this way, the program has become a clear reflection of current demand, leading to job improvements in students.

" *This program will allow you to monitor different aspects of your company's cybersecurity"*

Are you ready to take the leap?
Excellent professional development awaits you

The TECH Global University Postgraduate Diploma in Corrective Cybersecurity and Forensic Examination is an intensive and high-quality program aimed at improving students' professional skills in highly competitive field Undoubtedly, it is a unique opportunity to improve professionally, but also personally, as it involves effort and dedication.

Those who wish to improve themselves, achieve a positive change at a professional level and interact with the best, will find their place at TECH.

Enter the innovative field of cybersecurity and achieve the professional change you seek.

The completion of this program will result in personal and professional growth for students.

When the change occurs

During the program	During the first year	After 2 years
35%	**30%**	**35%**

Type of change

Internal Promotion **35%**

Change of Company **29%**

Entrepreneurship **36%**

Salary increase

This program represents a salary increase of more than **25.22%** for our students.

Salary before	A salary increase of	Salary after
$57,900	**25.22%**	**$72,500**
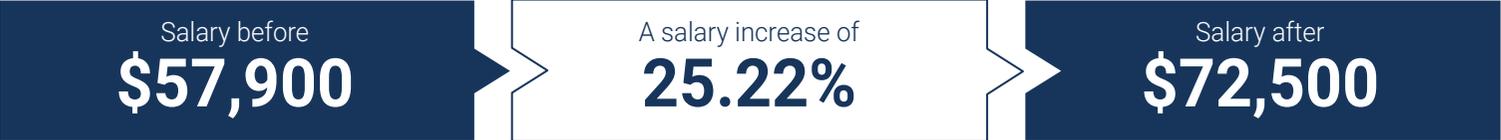
10

Benefits for Your Company

The completion of this TECH program will result in a professional improvement for students, since they will enter a new area of knowledge. Furthermore, it will be a great added value for any company they work for, since they will have the appropriate knowledge to improve their internal processes of computer security. In this way, the Postgraduate Diploma has a twofold advantage, for both professionals and companies.

" *The Postgraduate Diploma will allow you to apply computer security techniques that will bring significant advantages to your company"*

Developing and retaining talent in companies is the best long-term investment.

01 Intellectual Capital and Talent Growth

The professional will introduce the company to new concepts, strategies, and perspectives that can bring about significant changes in the organization.

03 Building agents of change

Be able to make decisions in times of uncertainty and crisis, helping the organization to overcome obstacles

02 Retaining high-potential executives to avoid talent drain

This program strengthens the link between the company and the executive and opens new avenues for professional growth within the company.

04 Increased international expansion possibilities

Thanks to this program, the company will come into contact with the main markets of the world economy.

05

Project Development

Learn to work on a real project or develop new projects in the R+D or Business Development area of your company

06

Increased competitiveness

This program will equip our students with the necessary skills to take on new challenges and thereby drive the organization forward.

Certificate

The Postgraduate Diploma in Corrective Cybersecurity and Forensic Examination guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Global University.

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

This program will allow you to obtain your **Postgraduate Diploma in Corrective Cybersecurity and Forensic Examination** 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** title 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.

Title: **Postgraduate Diploma in Corrective Cybersecurity and Forensic Examination**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**

tech global university

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

Postgraduate Diploma in Corrective Cybersecurity and Forensic Examination

This is a program of 450 hours of duration equivalent to 18 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
Rector

Unique TECH Code: AFWORD23S   techtitute.com/certificates

*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.

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Postgraduate Diploma
Corrective Cybersecurity and Forensic Examination

- » Modality: **online**
- » Duration: **6 months**
- » Certificate: **TECH Global University**
- » Credits: **18 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**

Postgraduate Diploma

Corrective Cybersecurity and Forensic Examination

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