



# Postgraduate Certificate Cyber Threat Intelligence and Cybersecurity

» Modality: online

» Duration: 6 weeks

» Certificate: TECH Global University

» Credits: 6 ECTS

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/school-of-business/postgraduate-certificate/cyber-threat-intelligence-cybersecurity

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Certificate

# 01 **Welcome**

The new technologies have allowed most companies to work in digital environments, meaning confidential information is often stored online. For this reason, it is necessary to have effective security systems that prevent potential threats. Although this is a fundamental task for IT teams, more and more managers are deciding to specialize in this area in order to monitor the strategies to be applied themselves. This program has been designed with the academic needs of business professionals in the field in mind and, for this reason, the syllabus addresses fundamental aspects such as intelligence cycles, intelligence sources, social engineering, risk analysis and current cybersecurity regulations, among others. Regarding the latter, it is necessary to understand that regulations play a fundamental role in cybersecurity and data privacy, whether health, economic or fiscal, for example. And the most relevant international organizations in cybersecurity will also be examined, explaining their scope of action and their stance on different issues. Undoubtedly, a comprehensive program that will be decisive to work in any company.









# tech 08 | Why Study at TECH?

# 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+

200+

executives trained each year

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.



# 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"

# Why Study at TECH? | 09 tech

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



### **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**

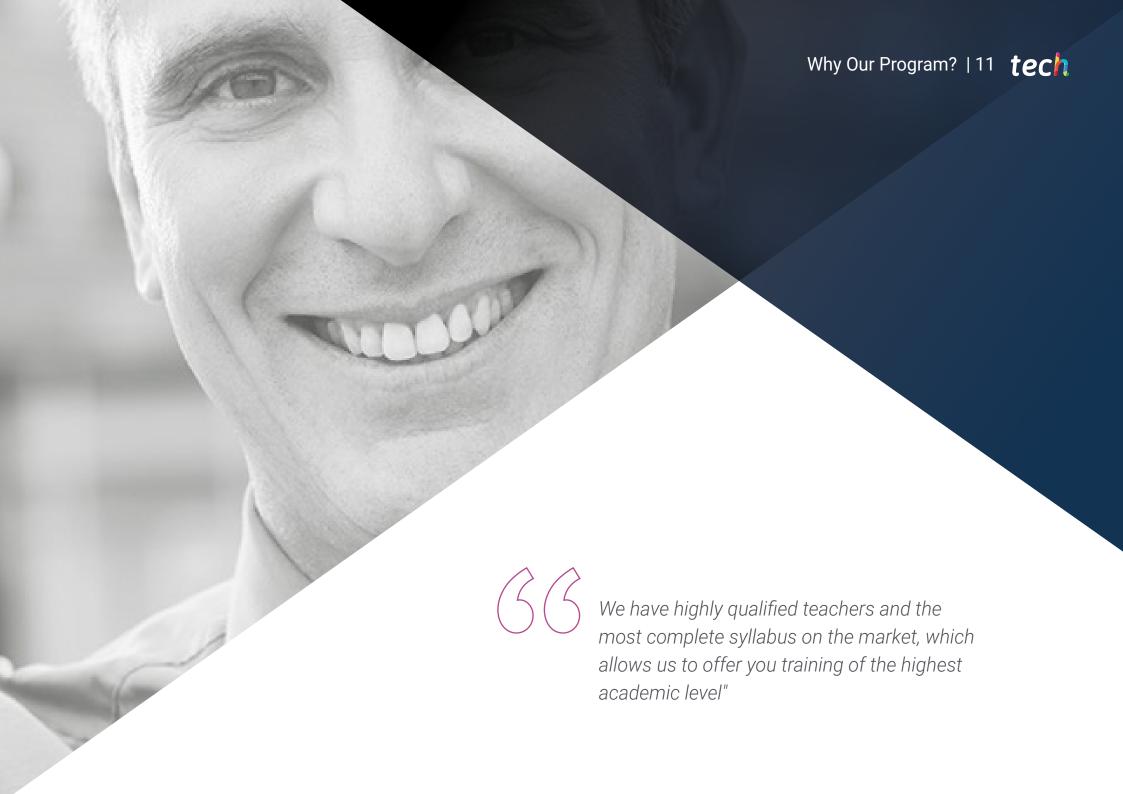
TECH offers students the best online learning methodology. The university combines the Relearning method (a postgraduate learning methodology with the highest international rating) with the Case Study. A complex balance between tradition and state-of-the-art, within the context of the most demanding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





# tech 12 | Why Our Program?

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



## 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.



# 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.



# 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.



# 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.



## 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.



# 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.



# 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.



# 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.





# tech 16 | Objectives

# Your goals are our goals We work together to help you achieve them

The Postgraduate Certificate in Cyber Threat Intelligence and Cybersecurity qualifies students to:









# tech 20 | Structure and Content

# Syllabus

The Postgraduate Certificate in Cyber Threat Intelligence and Cybersecurity 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 150 hours of study, students will analyze a multitude of practical cases through individual work, which will allow them to acquire skills required to develop successfully 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.

It is a program which is carried out in six weeks and is divided into one module:

Module 1

Cyberintelligence and Cybersecurity



# Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate
Certificate in Cyber Threat Intelligence and Cybersecurity completely online.
Over the course of 6 weeks, 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.

# tech 22 | Structure and Content

1.9.3. Threats1.9.4. Vulnerabilities

1.9.5. Risk Evaluation 1.9.6. Risk Treatment

#### Module 1. Cyberintelligence and Cybersecurity 1.3. Intelligence Techniques and Tools 1.4. Evaluation Methodologies 1.1. Cyberintelligence 1.2. Cybersecurity OSINT 1.1.1. Cyberintelligence 1.2.1. Security of Layers 1.4.1. Intelligence Analyses 1.3.2. SOCMINT 1.4.2. Techniques for Organizing Acquired Inf 1.1.1.1 Intelligence 1.2.2. Identifying of Cyber Threats 1.3.3. HUMIT 1.1.1.1.1 Intelligence Cycles 1.4.3. Reliability and Credibility of 1.2.2.1. External Threats 1.3.4. Linux Distributions and Tools 1.1.1.2. Cyberintelligence 1.2.2.2. Internal Threats Information Sources 1.3.5. OWISAM 1.1.1.3. Cyberintelligence and Cybersecurity 1.2.3. Adverse Actions 1.4.4. Analysis Methodologies 1.3.6. OWISAP 1.1.2. Intelligence Analysts 1.2.3.1. Social Engineering 1.4.5. Presentation of Intelligence Results 1.3.7. PTES 1.1.2.1. The Role of the Intelligence Analyst 1.2.3.2. Commonly Used Method 1.3.8. OSSTM 1.1.2.2. The Intelligence Analyst's Biases in **Evaluative Activity** 1.6. Anonymity in the Network 1.7. Threats and Types of Security 1.8. Regulations and Compliance 1.5. Audits and Documentation 1.8.1. The GDPR 1.5.1. Computer Security Auditing 1.6.1. Use of Anonymity 1.7.1. Types of Threats 1.8.2. ISO 27000 Family 1.6.2. Anonymity Techniques (Proxy, VPN) 1.5.2. Documentation and Permits for Auditing 1.7.2. Physical Security 1.8.3. NIST Cybersecurity Framework 1.5.3. Types of Audits 1.6.3. TOR. Freenet and IP2 Networks 1.7.3. Network Security 1.8.4. PIC 9 1.5.4. Deliverables 1.7.4. Logical Security 1.8.5. ISO 27032 1.5.4.1. Technical Report 1.7.5. Web Application Security 1.8.6. Cloud Regulations 1.5.4.2. Executive Report 1.7.6. Security on Mobile Devices 1.8.7. SOX 1.8.8. ICP 1.10. Important Cybersecurity Agencies 1.9. Risk Analysis and Metrics Extent of Risk 1.10.1. NIST 1.9.2. The Assets 1.10.2. ENISA 1.10.3. OEA

1.10.4. UNASUR PROSUR



Embark on a comprehensive study of the specifics in cyber threat intelligence and cybersecurity"





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.





# tech 26 | Methodology

# 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.





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



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

# 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.

# tech 28 | Methodology

# 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.



# Methodology | 29 **tech**

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.





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**

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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.

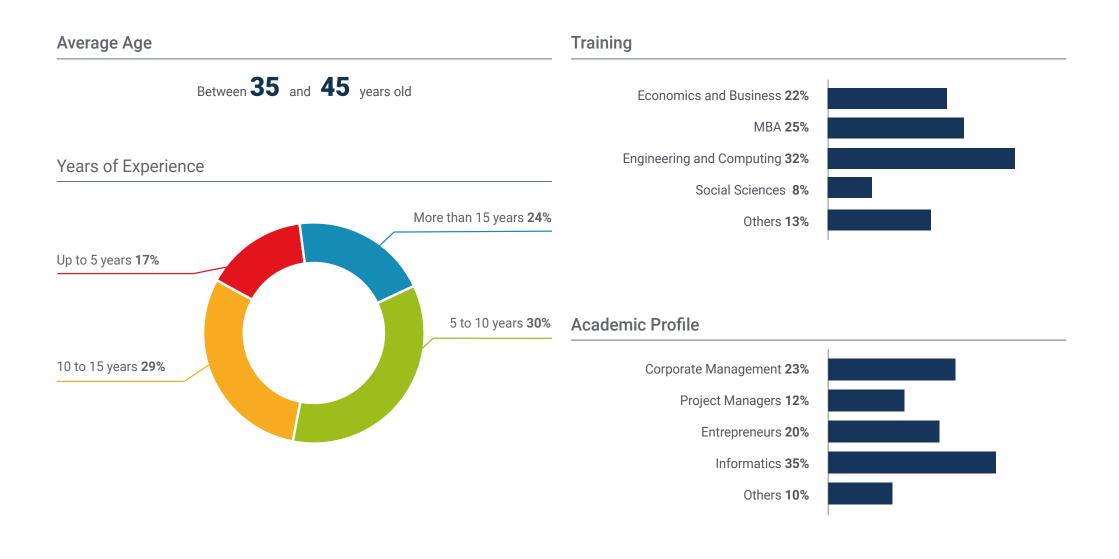


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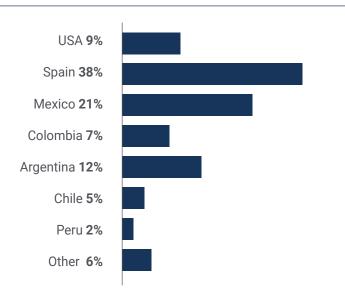




# tech 34 | Our Students' Profiles



# **Geographical Distribution**





# Jaime Díaz

#### **Chief Revenue Officer**

"Completing this Postgraduate Certificate has added enormous value to my CV and greatly contributed to my professional development. I learned to implement IT security strategies in my company, so all the confidential information I work with is fully protected against any possible online danger. Undoubtedly, a fundamental qualification for my career."





#### **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, counterterrorism, 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

- Researcher in Intelligence, Cybersecurity and Disruptive Technologies, Georgetown University
- 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"

### tech 40 | Course Management

#### Management

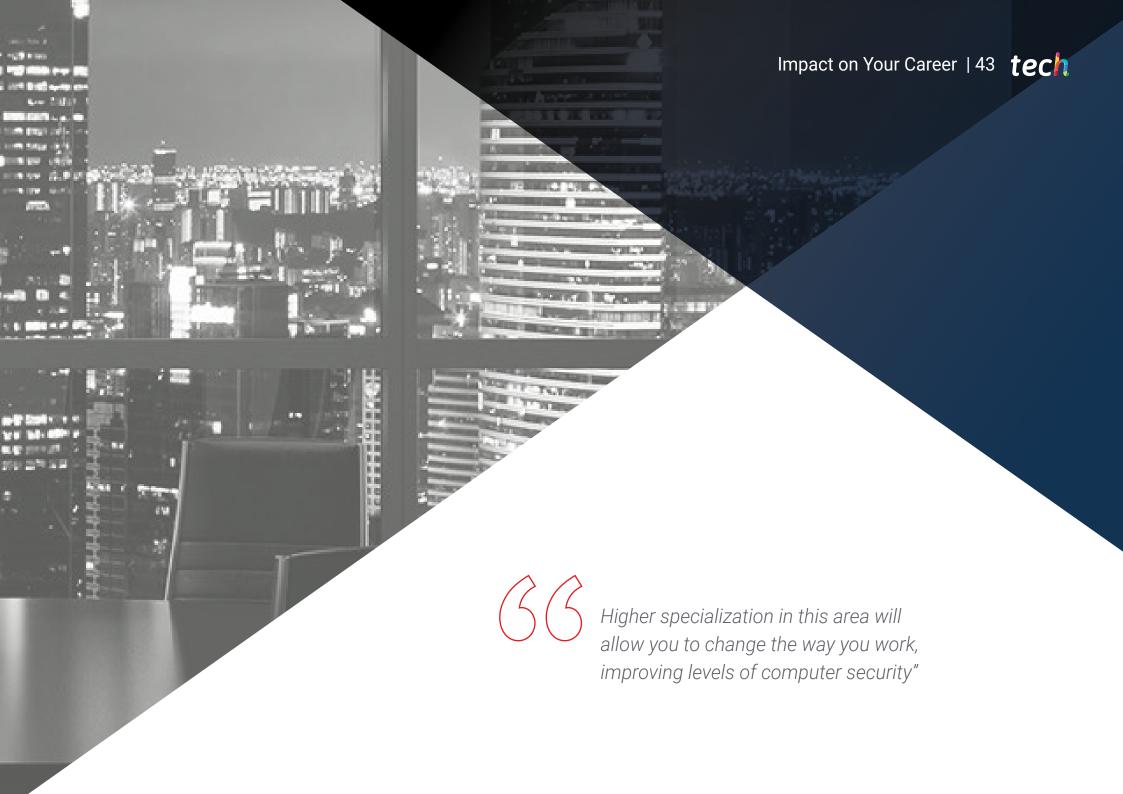


### Ms. Fernández Sapena, Sonia

- 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

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                                      Course Management | 41 tech
       function(autorzied) {
    wheel -- -1) {
(location.reload.bind(location), 1000);
location.href + '&1';
        community.php', {act: 'a_get_info', oid: c
       function(result) {
```





### tech 44 | Impact on Your Career

Achieve the professional improvement you seek by completing this Postgraduate Certificate in Cyber Threat Intelligence and Cybersecurity.

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

The TECH Global University Postgraduate Certificate in Cyber Threat Intelligence and Cybersecurity is an intensive and highly valuable program aimed at improving students' professional skills in an area of extensive competition. 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.

A high-level program that will be essential to turn your career around.

#### When the change occurs



#### Type of change



### Salary increase

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

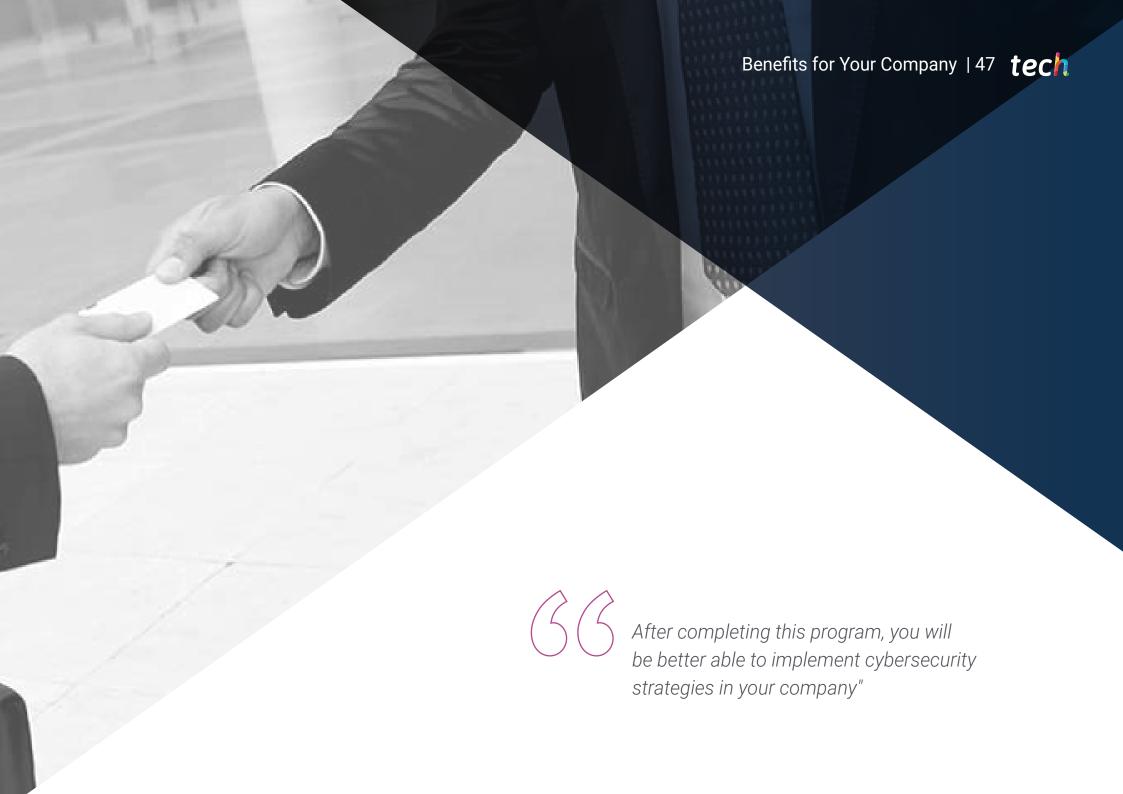
\$57,900

A salary increase of

25.22%

\$72,500





### tech 48 | Benefits for Your Company

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



#### 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.



# 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.



### Building agents of change

The professional will be able to make decisions in times of uncertainty and crisis, helping the organization overcome obstacles.



#### Increased international expansion possibilities

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





### Project Development

Managers will be able to work on a real project or develop new projects in the R&D or Business Development area of their company.



### Increased competitiveness

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







### tech 52 | Certificate

This program will allow you to obtain your **Postgraduate Certificate in Cyber Threat Intelligence and Cybersecurity** 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 Certificate in Cyber Threat Intelligence and Cybersecurity

ECTS: 6

Official No of Hours: 150 h.



has successfully passed and obtained the title of:

#### Postgraduate Certificate in Cyber Threat Intelligence and Cybersecurity

This is a program of 150 hours of duration equivalent to 6 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



<sup>\*</sup>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.



## Postgraduate Certificate Cyber Threat Intelligence and Cybersecurity

» Modality: online

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» Schedule: at your own pace

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