



Postgraduate Certificate

Corporate Data Processing and Security

» Modality: Online

» Duration: 6 weeks

» Certificate: TECH Global University

» Accreditation: 6 ECTS

» Schedule: at your own pace

» Exams: online

Target Group: Professionals wishing to update

knowledge of advanced and cutting-edge IT technologies, aiming to broaden their skills.

Website: www.techtitute.com/school-of-business/postgraduate-certificate/corporate-data-processing-security

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01 **Welcome**

The information handled by companies or entities implies having information that, in many cases, requires the handling of personal data. Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to personal data processing and on the free movement of such data and repealing Directive 95/46/EC (General Data Protection Regulation), poses compliance challenges that must be observed at all stages of the data lifecycle, just as we discuss the lifecycle of any project.

Knowing the regulatory context in which the *Data-Driven* economy is framed will help to focus the work of data analytics professionals so that they can have assessment criteria to identify the obligations imposed by the regulations; the rights of individuals and detect the inherent and residual risks of the project to be addressed.









tech 08 | Why Study at TECH?

At TECH Technological 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 into our programs.



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.

+100000

+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 Harvard Business School case studies."

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. This university combines the Relearning method (the most internationally recognized postgraduate learning methodology) with Harvard Business School case studies. A complex balance of traditional and state-of-the-art methods, within the most demanding academic framework.



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





tech 12 | Why Our Program?

This program will provide you with a multitude of professional and personal advantages, among which we highlight the following:



A Strong Boost to Your Career

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 students achieve positive career development in less than 2 years.



You will 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.



You will 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



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.



You will 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 Technological University community.

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





tech 16 | Objectives

TECH makes the goals of their students their own goals too.

This **Postgraduate Certificate in Corporate Data Processing and Security** prepares students to:







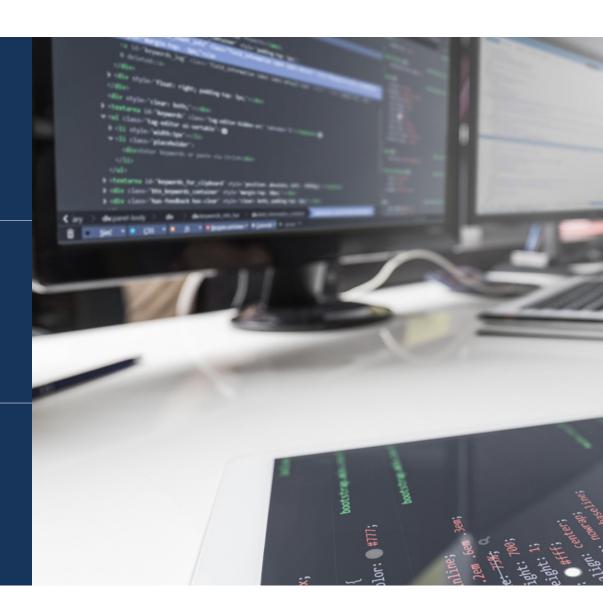
Identify likely practices to be prohibited or that may be assessed as high risk derived from technologies using artificial intelligence



Develop the activities and phases in which the data protection impact assessment process is structured



Specify measures to provide compliance solutions







Examine the responsibilities of controllers and processors

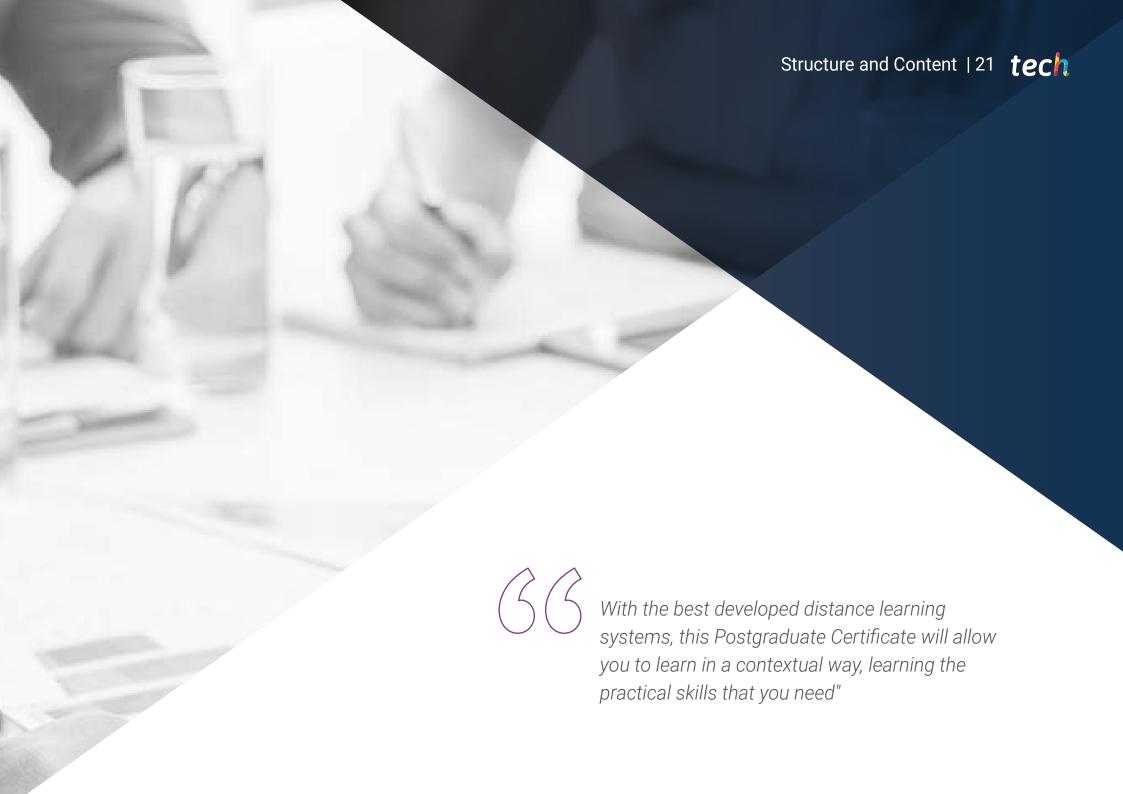


Identify non-compliance violations and associated penalties



Assess and manage privacy risks





tech 22 | Structure and Content

Syllabus

This Postgraduate Certificate in Corporate Data Processing and Security from TECH Technological University is an intensive program that prepares students to face challenges and business decisions in the field of Corporate Data Processing and Security.

The content of this Postgraduate
Certificate in Corporate Data Processing
and Security is designed to promote the
development of competencies that allow
for more rigorous decision-making in
uncertain environments.

Throughout 300 hours of training, the student will analyze a multitude of practical cases through individual and teamwork. It is, therefore, a real immersion in real business situations.

This Postgraduate Certificate deals, in depth, with the world of information technology in the business environment, and is designed to educate professionals who understand Corporate Data Processing and Security from a strategic, international and innovative perspective.

A plan designed for students, focused on their professional improvement and that prepares them to achieve excellence in the field of business 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 skills to solve critical situations in a creative and efficient way.

This Postgraduate Certificate takes place over 2 month and is divided into 2 modules:

Module 1 Data Types and Data Life Cycle

Module 2

BORRAR



Where, when and how is it taught?

You can do it completely online, wherever and whenever you want and in a connected way, attending workshops and virtual conferences.

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

tech 24 | Structure and Content

Mod	dule 1. Data Types and Data Life Cycle						
1.1. 1.1.1. 1.1.2. 1.1.3.	Statistics: Descriptive Statistics, Statistical Inferences Population, Sample, Individual	1.2.2.	Types of Data Statistics According to Type 1.2.1.1. Quantitative: Continuous Data and Discrete Data 1.2.1.2. Qualitative: Binomial Data, Nominal Data and Ordinal Data According to Form 1.2.2.1. Numeric 1.2.2.2. Text 1.2.2.3. Logical According to Source 1.2.3.1. Primary 1.2.3.2. Secondary	1.3. 1.3.1. 1.3.2. 1.3.3.	Life Cycle of Data Stages of the Cycle Milestones of the Cycle FAIR Principles	1.4.3.	Initial Stages of the Cycle Definition of Goals Determination of Resource Requirements Gantt Chart Data Structure
1.5. 1.5.1. 1.5.2. 1.5.3.		1.6. 1.6.1. 1.6.2. 1.6.3.	Data Cleaning Phases of Data Cleansing Data Quality Data Manipulation (with R)	1.7. 1.7.1. 1.7.2. 1.7.3.	Data Analysis, Interpretation and Evaluation of Results Statistical Measures Relationship Indices Data Mining		Data Warehouse Elements of a Data Warehouse Design Aspects to Consider
1.9. 1.9.1. 1.9.2. 1.9.3.	. Uses	1.10.1 1.10.2	BORRAR BORRAR Good Practices BORRAR				

2.1.	Regulatory Framework		Processing of Personal Data		Processing		Transparency and Information
2.1.1.	Normative Framework and Definitions	2.2.1.	Lawfulness, Fairness and Transparency and	2.3.1.	Basis of Legitimacy		Access Rectification and Deletion (Right to be
2.1.2.	Controllers, Joint Controllers and Processors Forthcoming Regulatory Framework for	2.2.2.	Purpose Limitation. Data Minimization, Accuracy and Limitation	2.3.2.	Authorisations for the Processing of Special Categories of Data		Forgotten), Limitation and Portability
2.1.0.	Artificial Intelligence	2.2.2.	of Retention Period	2.3.3.	Data Communications	2.4.4.	Opposition and Automated Individual Decisions
		2.2.3.	Integrity and Confidentiality			2.4.5.	Limits to Rights
2.2.	Principles Relating to the	2.2.4. 2.3.	Proactive Responsibility Legitimation and Authorization for	2.4.	Individuals' Rights	2.5.	Risk Analysis and Management
						2.5.1.	Identification of Risks and Threats to the
	Rights and Freedoms of Individuals	Freedoms of Individuals 2.6.2. Organizational Measures	Organizational Measures	2.7.3.	Identification of Risks, Threats and	2.8.3.	Contracts between Co-Responsible Parties
	Risk Assessment		Technical Measures.		Consultation with the Control Authority		·
2.5.3.	Risk Management Plan	2.6.4.	Management of Personal Data Security Breaches				
0.6	December 4 and 120 March	2.6.5.	9	2.8.	Contractual Regulation: Persons Responsible, Persons in Charge	2.9.	International Data Transfers
		2.7.	The Data Protection Impact			2.9.1.	Definition and Safeguards to be Adopted
2.6.	Proactive Accountability Measures		Assessment (DPA or DPIA)		and Other Subjects	2.9.2.	Standard Contractual Clauses
2.6.1.	1 1 1 9	2.7.1.	Activities Requiring PCIA	2.8.1.	Data Protection Contracts		
	Accredit Compliance	2.7.2.	Evaluation Methodology	2.8.2.	Attribution of Responsibilities	2.10.	Violations and Penalties

- 2.10.1. Violations and Penalties

- 2.10.1. Violations and Penalties
 2.10.2. Graduation Criteria for Penalties
 2.10.3. The Data Protection Officer
 2.10.4. Functions of the Supervisory Authorities



This academic program offers students a different way of learning. Our methodology follows a cyclical learning process: *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 28 | Methodology

At TECH Business School we use the Harvard case method.

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



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



We are the first online university to combine Harvard Business School case studies with a 100% online learning system based on repetition.



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

A learning method that is different and

This intensive program from TECH Technological University School of Business prepares students to face all the challenges in this area, both nationally and internationally. We are committed to promoting personal and professional growth, the best way to walk towards success, that is why TECH uses case studies from Harvard, with whom we have a strategic agreement, which allows us to bring our students the materials of the best university in the world.



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 will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

tech 30 | Methodology

Relearning Methodology

Our University is the first in the world to combine Harvard University case studies with a 100%-online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance Harvard case studies 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 | 31 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.

tech 32 | Methodology

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 adapted in 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.



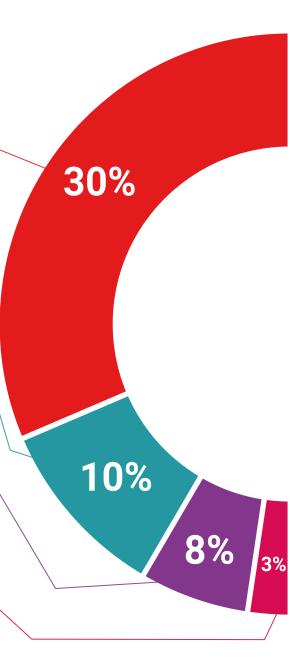
Management Skills Exercises

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.





They will complete a selection of the best business cases used at Harvard Business School. Cases that are presented, analyzed, and supervised by the best senior management specialists in Latin America.



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.

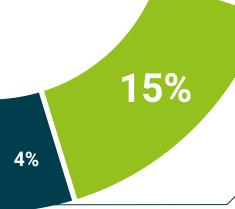


This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

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.



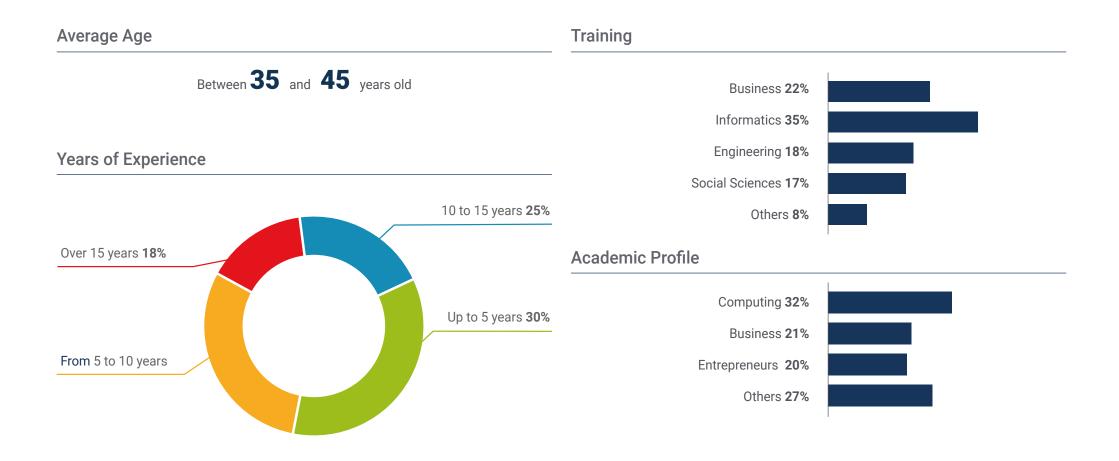


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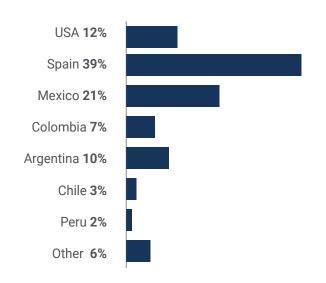


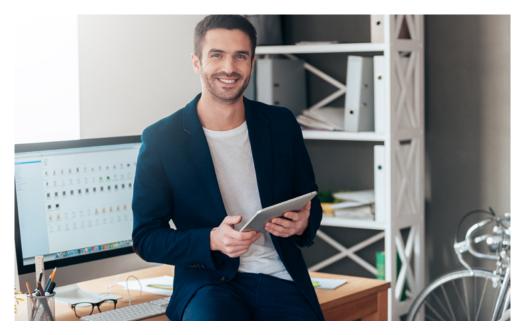


tech 36 | Our Students' Profiles



Geographical Distribution





Fernando Morales López

Data Entry Technician

"Studying this program with TECH has marked a clear before and after in my career. It is essential to be up to date with data protection in any company and with this Postgraduate Certificate I have been able to update all documentation and improve the processes that until now I did not know I had to do. I will definitely continue my specialization with them"





tech 40 | Course Management

Manage-



Dr. Peralta Martín-Palomino, Arturo

- CEO and CTO at Prometeus Global Solutions
- CTO at Korporate Technologies
- CTO in Al Shephers GmbH
- Doctorate in Psychology from the University of CastillaLa
- PhD in Economics, Business and Finance from the Camilo José Cela University. Outstanding Award in her PhD
- PhD in Psychology, University of CastillaLa Mancha
- Master's Degree in Advanced Information Technologies from the University of Castilla la Mancha
- Master MBA+E (Master's Degree in Business Administration and Organisational Engineering) from the University of Castilla la Mancha.
- Associate lecturer, teaching undergraduate and master's degrees in Computer Engineering at the University of Castilla la Mancha.
- Professor of the Master in Big Data and Data Science at the International University of Valencia.

Professors

Ms. Fernández Meléndez, Galina

- Data Analyst. Aresi | Gestión de Fincas Madrid-Spain
- Data Analyst. ADN Mobile Solution-Gijón-Spain
- ETL processes, data mining, data analysis and visualisation, establishment of KPI's, Dashboard design and implementation, management control.

ADN Mobile Solution-Gijón-Spain R development, SQL management, among others. Pattern determination, predictive modelling, machine learning

- Bachelor's degree in Business Administration. Bicentennial University of Aragua-Caracas
- Diploma in Planning and Public Finance Venezuelan School School of Planning-School of Finance
- Professional Master's Degree in Data Analysis and Business Intelligence. University of Oviedo
- MBA in Business Administration and Management (Escuela De Negocios

Europea De Barcelona)

 Master's Degree in Big Data and Business Intelligence (Escuela de Negocios Europea de Barcelona)

Ms. Palomino Dávila, Cristina

- Consultant and Senior GRC Auditor at Oesía Networks
- Internal audits Audit Sub-Directorate General Secretariat. Internal data protection audit of CLH Group companies located in Spain and the United Kingdom.. Compañía Logística de Hidrocarburos CLH, S.A
- Senior consultant and auditor in the field of Personal Data Protection and information society services at Helas Consultores.
- Graduate in Law from the University of Castilla La Mancha.





tech 44 | Impact on Your Career

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

With this program you will be able to drastically advance in your profession, although there is no doubt that, in order to do so, you will have to make an investment in different areas, such as economic, professional and personal.

However, the goal is to improve in your professional life and, to do so, it is necessary to fight.

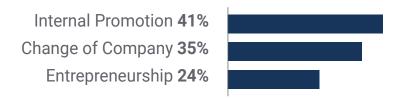
The best way to achieve professional change is to increase your skills. So don't stop studying at TECH.

Thanks to this programme you will receive a large number of job offers with which you will be able to start your professional

When the change occurs



Type of change



Salary increase

This program represents a salary increase of more than 25% for our students.

Salary before \$32,900 A salary increase of

25.22%

\$41,200





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 professional and opens new avenues for professional growth within the company.



Building agents of change

You 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

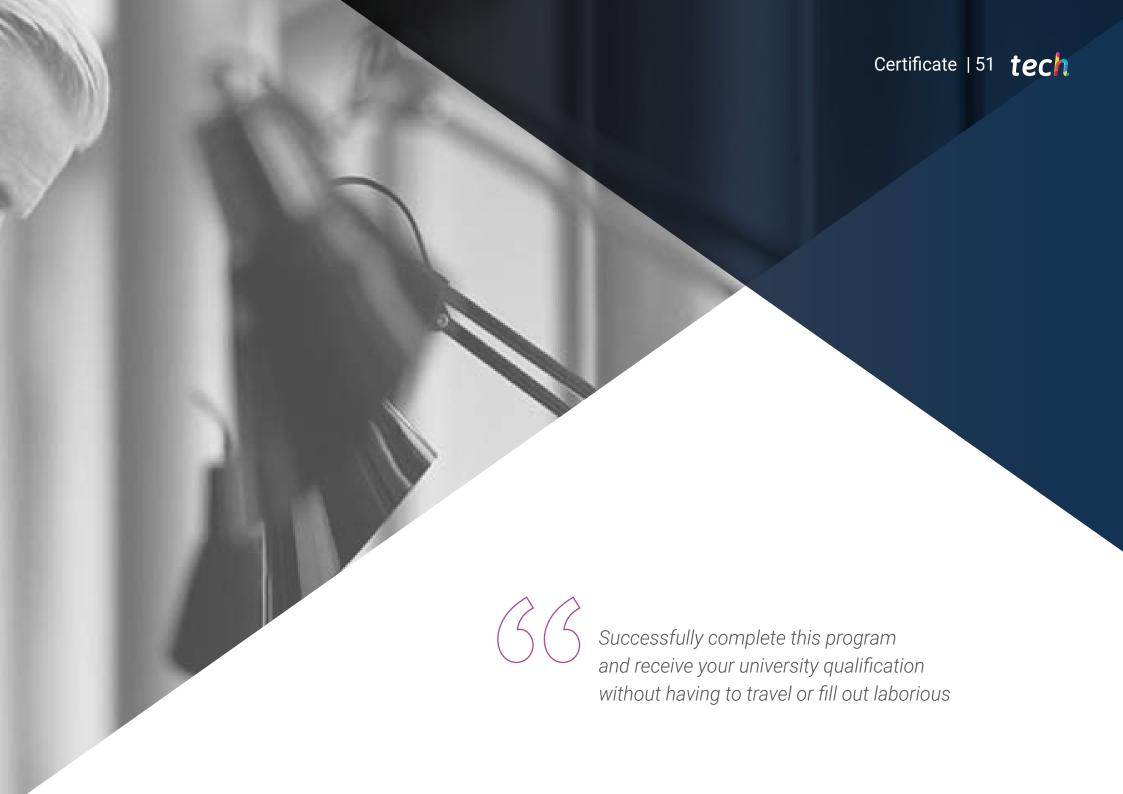
The professional can work on a current project or develop new projects in the field of R&D or Business Development within their company.



Increased competitiveness

This Postgraduate Certificate will equip your professionals with the skills to take on new challenges and thus drive the organization forward.





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This **Postgraduate Certificate in Corporate Data Processing and Security** 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 Corporate Data Processing and Security

Modality: online

Duration: 6 weeks

Accreditation: 6 ECTS



has successfully passed and obtained the title of:

Postgraduate Certificate in Corporate Data Processing and Security

This is a private qualification of 180 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



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



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