



Blockchain Business Management

» Modality: online

» Duration: 6 months

» Certificate: TECH Global University

» Credits: 18 ECTS

» Schedule: at your own pace

» Exams: online

» Target Group: Executives of companies in the Blockchain technology sector or who intend to implement it in their businesses. As well as graduates, Postgraduate Certificates and university graduates in the fields of Social and Legal Sciences, Administration and Business

Website: www.techtitute.com/us/school-of-business/postgraduate-diploma/postgraduate-diploma-blockchain-business-management

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01 **Welcome**

Blockchain technology is reaching great levels of popularity. Among their many applications, cryptocurrencies have gained the highest level of acceptance. There is a widespread false belief that anyone who invests in Bitcoin or another cryptocurrency will automatically make a lot of money. However, it is true that with a thorough knowledge of the market and the currency, and by investing strategically, revenues can be significantly increased. Especially if approached from a business perspective, trying to involve as many players as possible. In this sense, TECH proposes a program that addresses Blockchain technology from the point of view of new trends, business application and legal framework. All this, in a 100% online modality, without timetables and with all the syllabus available from the first day. Thus facilitating the student's conciliation and promoting the internalization of the learning process.









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.



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.



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.



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.



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.



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



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.





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 Technological University community.

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





tech 16 | Objectives

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

The **Postgraduate Diploma in Blockchain Business Management** qualifies students to:



Evaluate the importance of Stable Coins



Identify the importance of Uniswap



Examine the Maker, Augur and Gnosis protocols





Determine the AAVe protocol



Delve into the philosophy of Sushiswap





Conjugate all the possibilities that the vast Blockchainuniverse, distributed, DeFi, etc., gives us



Generate specialized knowledge on the Whitepaper concept



Determine when a Blockchainproject is right and when it is wrong



[13]

Discern between a meaningful project and the Hype surrounding this technology



Determining the legal requirements for cryptoassets



Establish the legal implications in the regulation of cryptocurrencies



Contrast and compare current regulations with EIDAS regulations





Examine the current regulation of NFTs



Develop the regulation of tokens and ICOs



Analyze the evolution of the world of cryptocurrencies up to the present day





tech 22 | Structure and Content

Syllabus

TECH Technological University's

Postgraduate Diploma in Blockchain

Business Management is an intensive
program that prepares its students to face
the advances of a technology that is still
in the expansion phase.

The content of this Postgraduate Diploma is designed to instruct in the field of Blockchain technology and to study the different applications it has depending on the type of business.

During the 450 hours of learning, the student will analyze real cases of application of Blockchain technology. You will also be able to make your own cryptocurrency investments and analyze the fluctuation together with the faculty.

In addition, a specific module has been reserved for the implementation of this technology in companies. Analyzing its cycles, comparing it with traditional technologies or selecting the type of Blockchain that best suits the type of business.

The plan is designed for non-conformist managers who are constantly looking for ways to improve their business. A program that understands the needs of today's market and addresses them through innovative content. All this, supported by a proven methodology, with the content available in different formats so that the student can select the one that best suits their preferences.

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

Module 1. Blockchain and its new applications: DeFi and NFT

Module 2. Blockchain and Business

Module 3. Blockchain. Legal Implications



Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate Diploma in Blockchain Business Management 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.

tech 24 | Structure and Content

Module 1. Blockchain and its no	w applications: DeFi and NFT		
1.1. Financial Culture1.1.1. Evolution of Money1.1.2. FIAT Money vs. Decentralized M1.1.3. Digital Bank vs. Open Finance	1.2. Ethereum 1.2.1. Technology 1.2.2. Decentralized Money 1.2.3. Stable Coins	1.3. Other Technology1.3.1. Binance Smart Chain1.3.2. Polygon1.3.3. Solana	1.4. DeFi (Decentralized Finance)1.4.1. DeFi1.4.2. Challenges1.4.3. Open Finance vs. DeFi
1.5. Information Tools1.5.1. Metamask and Decentralized W1.5.2. CoinMarketCap1.5.3. DeFiPulse	1.6. Stable Coins 1.6.1. Protocol Maker 1.6.2. USDC, USDT, BUSD 1.6.3. Forms of Collateralization and Risks	 1.7. Exchanges and Decentralized Exchanges and Platforms (DEX) 1.7.1. Uniswap 1.7.2. SushiSwap 1.7.3. AAVe 1.7.4. dYdX / Synthetix 	1.8. NFT Ecosystem (Non-Fungible Tokens)1.8.1. NFTs1.8.2. Typology1.8.3. Features
1.9. Capitulation of Industries1.9.1. Design Industry1.9.2. Fan Token Industry1.9.3. Project Financing	1.10. NFT Markets 1.10.1. Opensea 1.10.2. Rarible 1.10.3. Customized Platforms		
Module 2. Blockchain and Busi	ness		
 2.1. Applying Technology through the Company 2.1.1. Applying Blockchain 2.1.2. Blockchain Benefits 2.1.3. Common Implementation Mistage 	2.2.1. From P2P to Distributed Systems2.2.2. Key Aspects for Proper Implementation2.2.3. Improving Current Implementations	2.3. Blockchain Vs. Traditional Technologies: Basics 2.3.1. API Data and Flows 2.3.2. Tokenization as a Cornerstone for Projects 2.3.3. Incentives	2.4. Selecting Blockchain Type2.4.1. Public Blockchain2.4.2. Private Blockchain2.4.3. Consortiums
2.5. Blockchain and the Public2.5.1. Blockchain in the Public Sector2.5.2. Central Bank Digital Currency (Conclusions	Sector Start	 2.7. Blockchain and the Pharmaceutical Sector 2.7.1. Searching for Meaning in the Field 2.7.2. Logistics or Pharmacy 2.7.3. Application 	 2.8. Pseudo Private Blockchains: The Point of Consortiums 2.8.1. Reliable Environments 2.8.2. Analysis and Delving Deeper 2.8.3. Valid Implementations
 2.9. Blockchain. Usage Case in Europe EBSI 2.9.1. EBSI (European Blockchain Services Infrastructure) 2.9.2. The Business Model 2.9.3. Future 	2.10. The Future of Blockchain 2.10.1. Trilemma 2.10.2. Automation 2.10.3. Conclusions		

Structure and Content | 25 tech

Mod	Module 3. Blockchain. Legal implications								
	Bitcoin Bitcoin Whitepaper Analysis Operation of the Proof of Work	3.2. 3.2.1. 3.2.2. 3.2.3.	Ethereum Ethereum: Origins Proof of Stake Operation DAO Case	3.3. 3.3.1. 3.3.2.	Current Status of the Blockchain Growth of Cases Blockchain Adoption by Large Companies	3.4.1. 3.4.2.	MiCA (Market in Cryptoassets) Birth of the Standard Legal Implications (Obligations, Obligated Parties, etc.) Summary of the Standard		
3.5.2.	Prevention of Money Laundering Fifth Directive and its Transposition Obligated Parties Intrinsic Obligations	3.6.2.	Tokens Tokens Types Applicable Regulations in Each Case	3.7.2.	ICO/STO/IEO: Corporate Financing Systems Types of Financing Applicable Regulations Success Stories	3.8.1. 3.8.2.	NFT (Non-Fungible Tokens) NFT Applicable Regulations Use Cases and Success (Play to Earn)		
	Taxation and Cryptoassets Taxation Income from Work Income from Economic Activities	3.10.1 3.10.2	Other Applicable Regulations General Data Protection Regulation DORA (Cybersecurity) EIDAS Regulations						





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 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.

Relearning Methodology

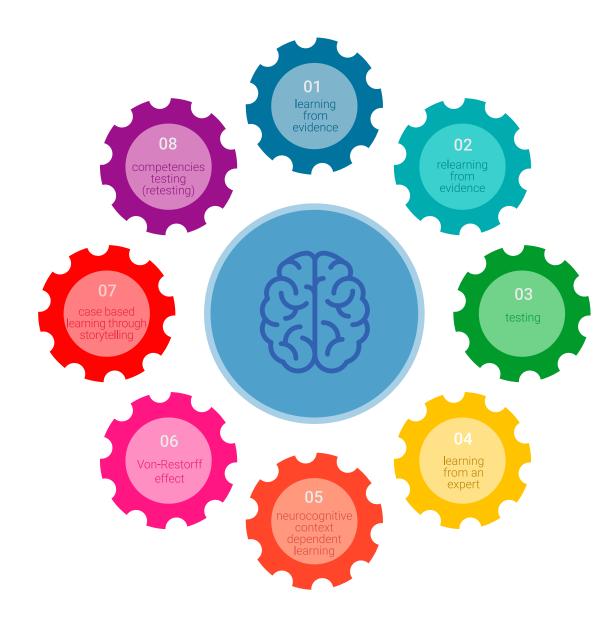
TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

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 | 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.

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.



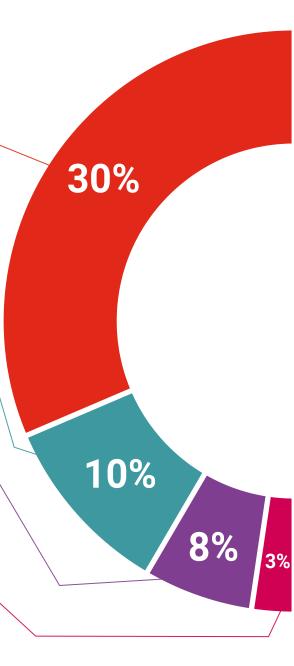
Management Skills Exercises

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.

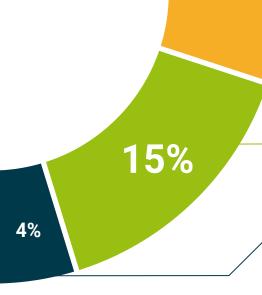


This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

Testing & Retesting

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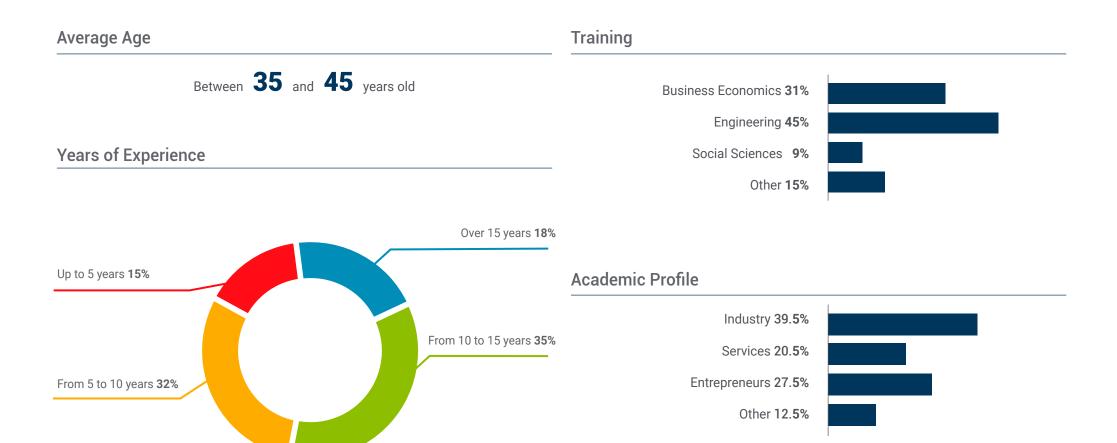
We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



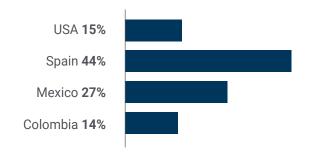
30%







Geographical Distribution





Alberto Pérez de la Rosa

Cryptocurrency investor

"When I entered the Postgraduate Diploma, I didn't even know how Bitcoin worked. It is not an easy technology, but in 6 months it gives you time to learn everything you need. In the first investments I made I was cautious, because I didn't have a lot of savings either. However, I have now managed to double my investment and I am still making money"





International Guest Director

Chris Sutton is a leading professional with extensive experience in the field of technology and finance, specializing in the Blockchain area. In fact, he has held the senior position of Director of the Blockchain and Digital Assets Department at Mastercard. In addition, he has been the Founder of the consulting firm N17 Capital, in which he offers advice to companies in the field of Blockchain and digital assets. So, one of his functions has been to identify the components that make up these new tools, analyze them and create working strategies.

His professional experience has included high-level roles in leading companies in the sector, such as Oasis Pro Market, where he has performed duties as Director of Blockchain Services. In addition, he has worked as Mergers and Acquisitions Product Manager at Cisco, and as Product Manager at IBM. These positions have allowed him to stand out internationally for his ability to lead teams, develop innovative strategies and manage large-scale projects.

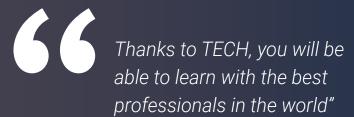
Throughout his career, he has participated in important technological and financial events. In this sense, Chris Sutton has given presentations and has been part of international panels, along with other leading experts in this sector. In this way, on the occasion of the 15th anniversary of the white paper on Bitcoin, he participated in the events of the FinTech week in Hong Kong. He also presented his expertise at a conference organized by Mastercard in Dubai on banking in the digital age and the impact of digital assets. Likewise, his analyses have focused on delving into the history, principles and future of the Blockchain.

In short, his strategic vision and outstanding skills in programming and algorithms have been key to his success in the international market, consolidating him as a leader in his field.



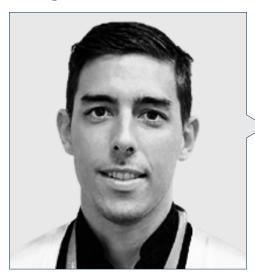
Mr. Sutton, Chris

- Director of Blockchain and Digital Assets at Mastercard, Miami, U.S.A.
- Founder of N17 Capital
- Director of Blockchain Services at Oasis Pro Market
- Mergers and Acquisitions Product Manager at Cisco
- Product Manager at IBM
- Contributor at Cointelegraph
- Master's degree in Financial Systems Engineering from University College London
- Bachelor's Degree in Computer Science from Florida International University



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Management



Mr. Torres Palomino, Sergio

- IT Engineer with expertise in Blockchain
- Blockchain Lead at Telefónica
- Blockchain Architect at Signeblock
- Blockchain Developer at Blocknitive
- Writer and disseminator at O'Really Media Books
- Lecturer in graduate studies and Blockchain related courses
- Degree in Computer Engineering from San Pablo CEU University
- Master's Degree in Big Data Architecture
- Master's Degree in Big Data and Business Analytics

Professors

Mr. Triguero Tirado, Enrique

- Blockchain Infrastructure Technical Manager at UPC-Threepoints
- Chief Technical Officer at Ilusiak
- Project Management Officer at Ilusiak and Deloitte
- ELK Engineer at Everis
- Systems Architect at Everis
- Degree in Technical Engineering in Computer Systems at the Polytechnic University of Valencia
- Master's Degree in Blockchain and its Business Applications from ThreePoints and the Polytechnic University of Valencia

Mr. Callejo González, Carlos

- CEO and Founder of Block Impulse
- Chief Technology Officer at Stoken Capital
- Advisor at Club Crypto Actual
- Advisor in Cryptocurrencies for All Plus
- Master in Applied Blockchain
- Superior Degree in Information Systems and Telecommunications

Mr. Herencia, Jesús

- Director of Digital Assets at OARO
- Founder and Blockchain Consultant at Shareyourworld
- IT Manager at Crédit Agricole Leasing & Factoring
- CEO of Blockchain Open Lab
- IT Manager at Mediasat
- Postgraduate Certificate in Computer Systems Engineering from the Polytechnic University of Madrid
- Secretary General of AECHAIN
- Member of: Academic Committee for the Promotion of Cryptoassets and DLT Technology Research, Ethereum Madrid, AECHAIN

Ms. Carrascosa Cobos, Cristina

- Lawyer expert in Technology Law and use of ICTs
- Director and Founder of ATH21
- Columnist at CoinDesk
- Lawyer at Cuatrecasas Law Firm
- Lawyer at Broseta Law Firm
- Lawyer at Pinsent Masons Law Firm
- Master's Degree in Business Consultancy from IE Law School
- Master's Degree in Taxation and Taxation by CEF
- Degree in Law from the University of Valencia

Ms. Foncuberta, Marina

- Senior Associate Attorney at ATH21, Blockchain, Cybersecurity, IT, Privacy and Data Protection
- Professor at San Pablo CEU University: subject "Law and new technologies: Blockchain"
- Attorney Pinsent Masons, Blockchain Cybersecurity, IT, Privacy and Data Protection Department
- Lawyer as part of Secondment Program, Technology, Privacy and Data Protection Department, Wizink
- Lawyer as part of the Secondment Program, Cybersecurity, IT, Privacy and Data Protection Department, IBM
- Law Degree and Postgraduate Certificate in Business Studies from the Universidad Pontifica Comillas
- Master's Degree in Intellectual and Industrial Property, Universidad Pontificia Comillas (ICADE), Madrid
- Program on Law and Blockchain: "Blockchain: Legal Implications"





This Postgraduate
Diploma offers
such high-quality
learning that
practically all of its
graduates become
successful
professionals in
the sector.

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

TECH's Postgraduate Diploma in Blockchain Business Management prepares you to face challenges and business decisions related to *Blockchain* technology and its implementation. The main objective is none other than to promote the personal and professional growth of the graduate.

TECH is the place for those who want to improve themselves, achieve a positive change at a professional level and interact with the best.

TECH will give you the push you need to dive into a world full of undiscovered opportunities.

When the change occurs

During the program

10%

During the first year

65%

After 2 years

25%

Type of change

Internal Promotion 45.5%
Change of Company 46%
Entrepreneurship 8.5%

Salary increase

This program represents a salary increase of more than **29.4%** for our students.

\$56,250

A salary increase of

29.4%

\$72,787





tech 50 | 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 real project or develop new projects in the field of R&D or Business Development of your company.



Increased competitiveness

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







tech 54 | Certificate

This program will allow you to obtain your **Postgraduate Diploma** in **Blockchain Business Management** 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 Blockchain Business Management

ECTS: **18**

Official No of Hours: 450 h.



^{*}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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