



# Postgraduate Diploma

# Blockchain Projects

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

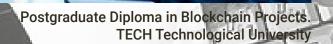
Website: www.techtitute.com/us/school-of-business/postgraduate-diploma/postgraduate-diploma-blockchain-projects

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# 01 **Welcome**

Blockchain technology is the present and the future of business. It offers numerous opportunities to develop projects, as it has applications in areas such as healthcare, transportation or business, thanks to smart contracts. Therefore, the professional who wishes to achieve success has a great opportunity with this program, which will allow them to create all kinds of initiatives using this innovative technology. All this, based on a 100% online teaching methodology with which you will be able to combine your work with your studies without interruptions or rigid schedules.









# tech 08 | Why Study at TECH?

### At TECH Technological University



#### **Innovation**

The university offers an online learning model that balances 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.

+100000

+200

executives prepared 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.



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* methodology (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 university.



#### 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 analyses in academia"





# 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.



# Develop a strategic and global vision of the company

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

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 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 fields 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 teachers from the most prestigious universities in the world: the TECH Technological University community.

We give you the opportunity to study 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 Projects** will enable the student to:



Analyze the different blockchain technologies that enable the development of digital identity models



Foundations for developing blockchain-based digital Identity solutions



Analyze Self-Sovereign Digital Identity proposals

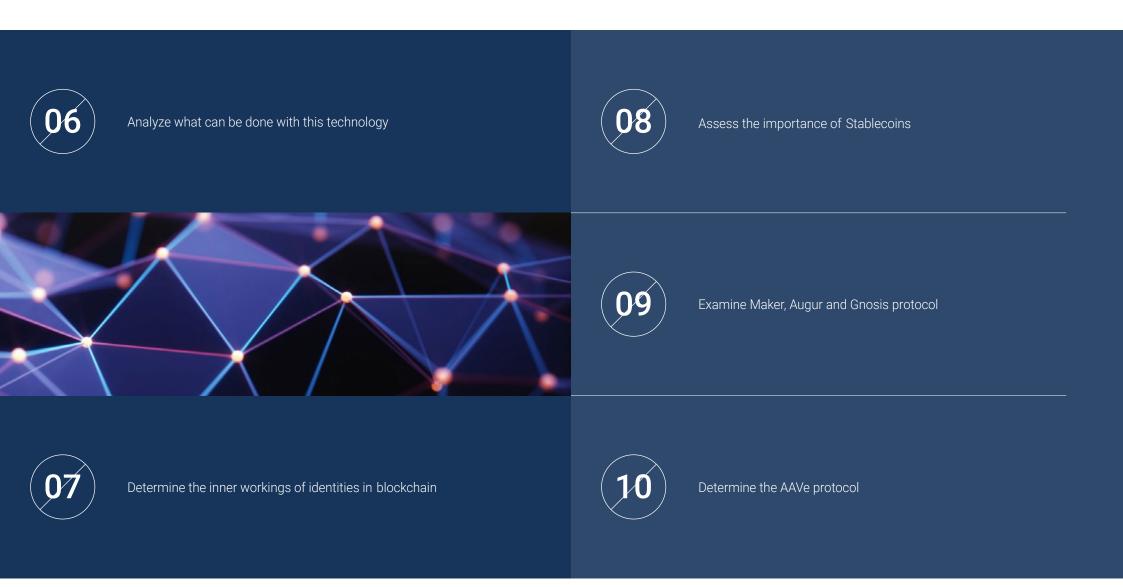


03

Assess the impact on public administration of implementing Self-Sovereign Digital Identity models



Generate specialized knowledge on Digital Identity







Identify the To Be model with the solution best suited to the company's needs and challenges



Demonstrate the potential and scope of the application and its benefits by means of a POC for operational approval



19

Establish a project plan with the Owner and Stackholders to start working on functional definition and prioritization of Sprints



Analyze a Business Case with a plan and macro solution agreement for executive approval



Develop the solution according to the user stories to initiate testing and validation to go into production





## tech 22 | Structure and Content

### **Syllabus**

Companies are at the perfect time to launch blockchain projects. However, in order to be able to do this correctly, the right expertise is needed, which is often not readily available.

This Postgraduate Diploma will provide the professional with this knowledge, from 3 specialized modules, and throughout 450 hours of learning. Throughout the program, it will also be possible to delve into aspects such as use cases in blockchain digital identity, decentralized Wallets, the identification of participants and their particularities in logistics or the operational definition for the control of the supply chain, among many others.

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

Module 1	Sovereign Identity Based on Blockchain
Module 2	Blockchain and its New Applications: DeFi and NFT
Module 3	Blockchain Applied to Logistics



## Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate Diploma in Blockchain Projects completely online. Throughout the 6 months of the educational program, 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

2.9. Capitulation of Industries

2.9.1. Design Industry 2.9.2. Fan Token Industry 2.9.3. Project Financing 2.10. NFT Markets

2.10.3. Customized Platforms

2.10.1. Opensea 2.10.2. Rarible

Module 1. Sovereign Identity Based on Blockchain									
1.1.2. 1.1.3. 1.1.4.	Digital Identity Personal Data Social media Control Over Data Authentication Identification	1.2. 1.2.1. 1.2.2. 1.2.3.	Blockchain Identity Digital Signature Public Networks Permitted Networks	1.3.1. 1.3.2.	Sovereign Digital Identity Requirements Components Applications	1.4.1. 1.4.2.	Decentralized Identifiers (DIDs) Layout DID Methods DID Documents		
1.5.1. 1.5.2. 1.5.3.	Verifiable Credentials Components Flows Security and Privacy Blockchain to Register Verifiable Credentials	1.6.2. 1.6.3.	Blockchain Technologies for Digital Identity Hyperledger Indy Sovrin uPort IDAlastria	1.7.2.	European Blockchain and Identity Initiatives eIDAS EBSI ESSIF	1.8.2.	Digital Identity of Things (IoT) IoT Interactions Semantic Interoperability Data Security		
	Digital Identity of Processes  Date Codes Interfaces	1.10.1 1.10.2 1.10.3	Blockchain Digital Identity Use Cases  Health Educational Logistics Public Administration						
Mod	ule 2. Blockchain and its New Application	ons: De	eFi and NFT						
<b>2.1.</b> 2.1.1. 2.1.2. 2.1.3.	Evolution of Money Fiat money vs. Decentralized Money	2.2.2.	Ethereum Technology Decentralized Money Stablecoins	2.3. 2.3.1. 2.3.2. 2.3.3.	Other Technology Binance Smart Chain Polygon Solana	2.4.1. 2.4.2.	DeFi (Decentralized Finance)  DeFi Challenges Open Finance vs. DeFi		
<b>2.5.</b> 2.5.1. 2.5.2. 2.5.3.	Information Tools  Metamask and Decentralized Wallets CoinMarketCap Defi Pulse		Stablecoins Protocol Maker USDC, USDT, BUSD Forms of Collateralization and Risks	2.7.1. 2.7.2. 2.7.3.	Exchanges and Decentralized Exchanges and Platforms (DEX) Uniswap SushiSwap AAVe dYdX / Synthetix	2.8.1. 2.8.2.	NFT Ecosystem (Non- Fungible Tokens) NFTs Typology Features		

Module 3. Blockchain. Legal implications									
3.1.2.	Bitcoin Bitcoin Whitepaper Analysis Operation of the Proof of Work	<b>3.2.</b> 3.2.1. 3.2.2. 3.2.3.	Ethereum Ethereum. Origins Proof of Stake Operation DAO Case	<b>3.3.</b> 3.3.1. 3.3.2.	Current Status of the Blockchain Growth of Cases Blockchain Adoption by Large Companies	<b>3.4.</b> 3.4.1. 3.4.2. 3.4.3.	Birth of the Standard		
3.5.2.	Prevention of Money Laundering Fifth Directive and its Transposition Obligated Parties Intrinsic Obligations	3.6.1. 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 28 | 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 30 | 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 | 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.



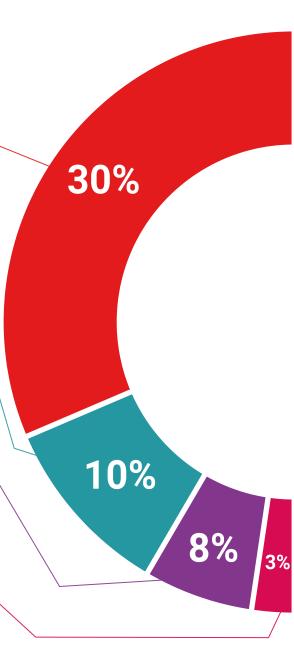
#### **Management Skills Exercises**

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.

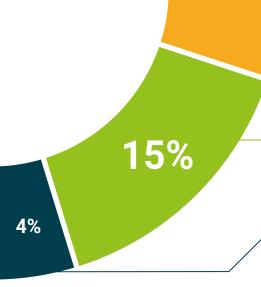


This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

#### **Testing & Retesting**

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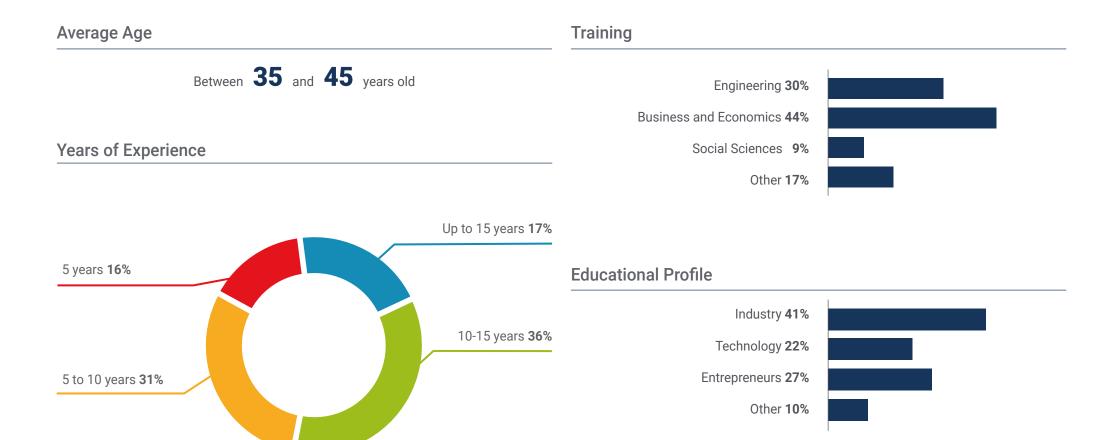
We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



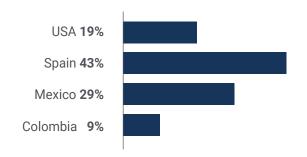
30%







#### **Geographical Distribution**





## **Vicente Delibes**

#### Entrepreneur

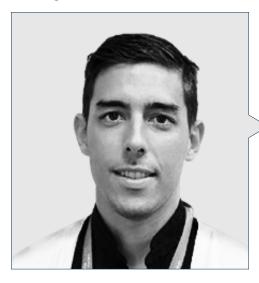
"Thanks to this program I have been able to develop several projects in my company with blockchain technology. And that has made us increase profits very quickly. I am amazed by the effectiveness of this technology. I recommend this program to anyone who wants to integrate these innovations in their company and does not know how to do it"





## tech 40 | Course Management

#### 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 Publisher at' Media Books
- Lecturer in graduate studies and Blockchain related courses
- Degree in Biotechnology from CEU San Pablo University
- Master's Degree in Big Data Architecture
- Master's Degree in Big Data and Business Analytics

#### **Professors**

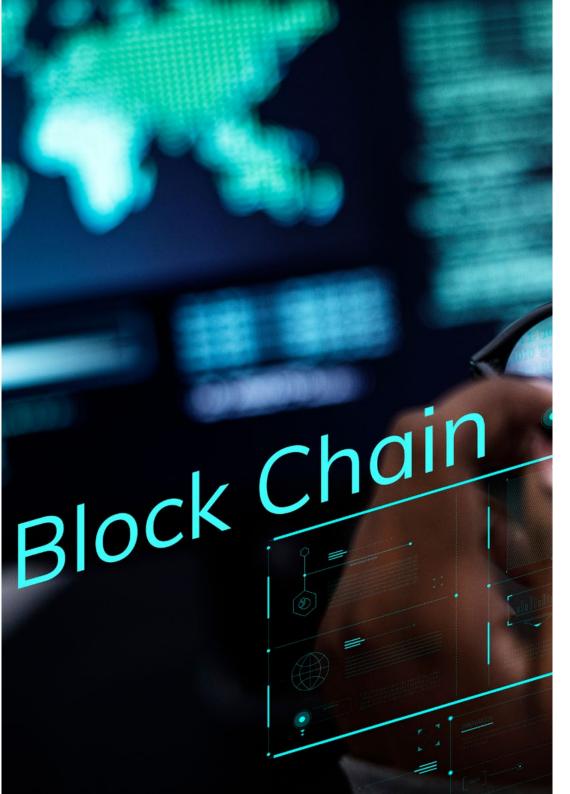
#### Mr. Callejo González, Carlos

- 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. de Araujo, Rubens Thiago

- IT Blockchain Project Manager for Supply Chain at Telefónica Global Technology
- Logistics Innovation and Projects Manager at Telefónica Brazil
- University Teacher of university programs in his field of expertise
- Master's Degree in PMI Project Management from SENAC University. Brazil
- Graduate in Technological Logistics from SENAC University.. Brazil

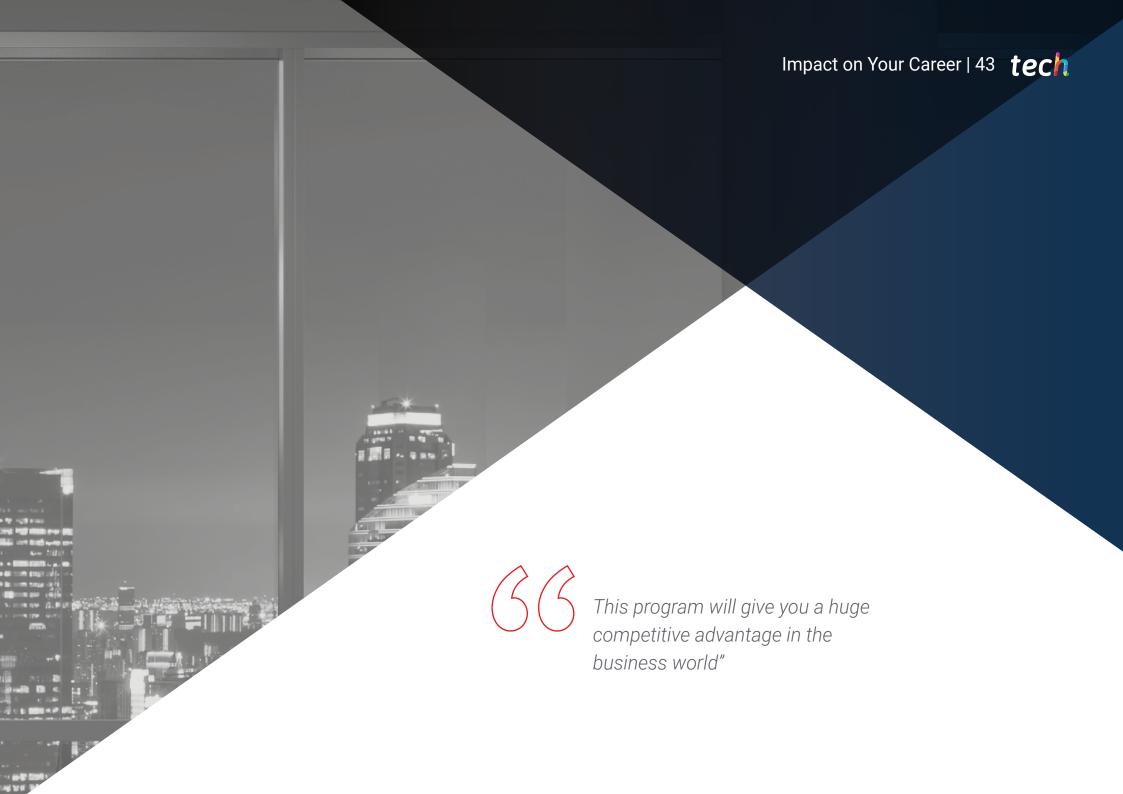




#### Mr. Triguero Tirado, Enrique

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





## tech 44 | Impact on Your Career

Blockchain is the ultimate technology: in the future it will streamline numerous processes and tasks, so now is the time to specialize.

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

TECH's Postgraduate Diploma in Blockchain Projects is an intensive program that prepares you to face challenges and business decisions in the field of blockchain technology. The main objective is to promote your personal and professional growth. Helping you achieve success.

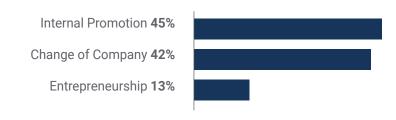
If you want to improve, make a positive change at a professional level and network with the best, then this is the place for you.

Blockchain technology is the present and the future of companies. Do not miss this great opportunity to advance professionally.

#### **Time of Change**



#### Type of change



## Salary increase

This program represents a salary increase of more than 27.35% for our students.

\$55,400

A salary increase of

27.35%

\$70,600





## tech 48 | Benefits for Your Company

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



#### Growth of talent and intellectual capital

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





## tech 52 | Certificate

This **Postgraduate Diploma in Blockchain Projects** contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery\*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: Postgraduate Diploma in Blockchain Projects

Official No of Hours: 450 h.



<sup>\*</sup>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.



## Postgraduate Diploma Blockchain Projects

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

