

Postgraduate Certificate Blockchain for Asset Tokenization



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- » Modality: Online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 6 ECTS
- » Schedule: at your own pace
- » Exams: online
- » Intended for: University graduates with prior degrees in Computer Science, Finance, or Business Administration

Website: www.techtitude.com/us/school-of-business/postgraduate-certificate/blockchain-asset-tokenization

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01 Welcome

The evolution of Blockchain in Asset Tokenization has transformed the way properties are managed and invested. From its initial focus on cryptocurrencies, it has expanded to represent a wide range of real-world assets. This growing adoption has improved efficiency, liquidity, and accessibility in financial markets and other sectors, opening up new opportunities for investors. That is why business professionals must have the skills required by this constantly evolving field to excel in the field of blockchain. With this in mind, a 100% online program has been developed that gives participants the freedom to access it anytime, anywhere, as all they need is an electronic device with an internet connection.



Postgraduate Certificate in Blockchain for Asset Tokenization
TECH Global University

“

Thanks to TECH, you will learn how to develop your own solutions with the power of Blockchain networks"

02

Why Study at TECH?

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



“

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

At TECH Global University



Innovation

The university offers an online learning model that 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

executives prepared each year

+200

different nationalities



Empowerment

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

+500

collaborative agreements with leading companies



Talent

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

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



Multicultural Context

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

TECH students represent more than 200 different nationalities.



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



Learn with the best

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

Teachers representing 20 different nationalities.



At TECH, you will have access to the most rigorous and up-to-date case analyses in academia"



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 (postgraduate learning methodology with the best international valuation) with the Case Study. Tradition and vanguard in a difficult balance, and in the context of the most demanding educational 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.

03

Why Our Program?

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

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



“

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

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

01

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.

02

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.

03

Consolidate the student's senior management skills

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

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

04

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.

05

Access to a powerful network of contacts

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

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

06

Thoroughly develop business projects.

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

20% of our students develop their own business idea.

07

Improve soft skills and management skills

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

Improve your communication and leadership skills and enhance your career.

08

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.

04 Objectives

With this program, business professionals will take advantage of the opportunities and benefits that technology offers in asset management. By acquiring specialized knowledge in blockchain, professionals will be highly skilled in applying innovative solutions in asset tokenization, leading to greater efficiency, transparency, security, and accessibility in financial markets and other industries.



“

*With this Postgraduate Certificate, you
will discover the key security measures
for Assets in Blockchain networks”*

TECH makes the goals of their students their own goals too

Working together to achieve them

The **Postgraduate Certificate in Blockchain for Asset Tokenization** will enable students to:

01

Analyze the scope of the Fintech revolution

02

Identify the origin and reasons for the rise of Fintechs

03

Observe the differential value provided by Fintechs

04

Develop the concept of Tokenization

05

Analyze the tokenization process



06

Identify which projects can be tokenized

08

Provide an in-depth understanding of Blockchain technology and its implementation in asset tokenization

09

Analyze the technical specifications of Tokens and their standards, Blockchain types, security in Blockchain networks, smart contracts, success stories and the advantages and disadvantages of asset tokenization

07

Establish the advantages offered by tokenization

10

Apply the most advanced concepts and tools to carry out transactions of tokens and cryptocurrencies in a safe and efficient way



05

Structure and Content

The syllabus for this academic program focuses on various aspects, such as the advancement of blockchains, protection in these systems, categories of assets that can be converted into tokens, and Smart Contracts. In addition, it will provide you with innovative skills that will be useful when executing a project in the digital field.



“

Convert any type of asset into digital tokens and gain unique advantages in the job market”

Syllabus

This program features the most up-to-date multimedia resources in the academic field. With a 100% online format, students can access the program from anywhere and at any time, as they are not subject to fixed schedules that prevent them from carrying out other activities in their daily lives. In addition, the program consists of a high-quality syllabus that will give professionals the necessary foundations to become completely fluent in the digital world.

During the six weeks of this Postgraduate Certificate, participants will learn about Blockchain Networks and their characteristics, security measures to protect networks, ERC20 Tokens, and the advantages and disadvantages of Tokenization. In addition, a comparison will be made with other digital currencies such as Bitcoin and Ethereum.

To achieve this, TECH has developed a program that, combined with its modality, also implements Relearning, which allows students to learn more quickly and effectively. Students will have access to a virtual library that can be accessed at any time and from anywhere, as it will be available 24 hours a day.

This Postgraduate Certificate is developed over 6 weeks and consists of 1 module:

Module 1

Blockchain Networks for Asset Tokenization



Where, When and How is it Taught?

TECH gives you the opportunity to complete this Postgraduate Certificate in Blockchain for Asset Tokenization entirely online. During the 6 weeks of the specialization, the student will be able to access all the contents of this program at any time, which will allow them to self-manage their study time.

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

Module 1. Blockchain Networks for Asset Tokenization

1.1. Blockchain Networks for Asset Tokenization

- 1.1.1. Blockchain for Tokenization
- 1.1.2. Development of Blockchain Networks
- 1.1.3. Types of Blockchain and their Characteristics

1.2. Blockchain Networks. Blockchain Characteristics in Asset Tokenization

- 1.2.1. Benefits of Blockchain Networks
- 1.2.2. Projects that Use Them
- 1.2.3. Costs and Speeds

1.3. Security in Blockchain networks

- 1.3.1. Common Vulnerabilities in Blockchain Networks and their Impact on Asset Tokenization
- 1.3.2. Safety Measures for its Protection
- 1.3.3. Project Hacking and Fraud Cases

1.4. Asset Tokenization

- 1.4.1. Definition of Tokenization and its Connection to Blockchain
- 1.4.2. Types of Assets that Can Be Tokenized
- 1.4.3. Advantages and Disadvantages of Asset Tokenization

1.5. Type of Tokens

- 1.5.1. Security Tokens
- 1.5.2. Utility Tokens
- 1.5.3. Asset Tokens

1.6. Token Technical Characteristics and Standards

- 1.6.1. ERC20 Tokens
- 1.6.2. Tokens ERC721 (NFT's)
- 1.6.3. Other Standards (ERC1155, ERC721A, ERC4337)

1.7. Smart Contracts and Tokenization

- 1.7.1. Smart Contracts Smart contracts
- 1.7.2. Advantages and Disadvantages of Smart Contracts
- 1.7.3. Use Cases of Smart Contracts in Asset Tokenization

1.8. Bitcoin in Tokenization

- 1.8.1. Bitcoin in Tokenization. Contextualization
- 1.8.2. Bitcoin Possibilities in Tokenization
- 1.8.3. Advantages and Disadvantages of Tokenization

1.9. Ethereum in Tokenization

- 1.9.1. Ethereum in Tokenization. Contextualization
- 1.9.2. Ethereum Possibilities in Tokenization
- 1.9.3. Advantages and Disadvantages of Tokenization

1.10. EVM Operations

- 1.10.1. The Ethereum Virtual Machine
- 1.10.2. How It Works
- 1.10.3. Security and Transparency in the Execution of Smart Contracts
- 1.10.4. Programming Languages



06

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



“

TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

“

*At TECH you will NOT have live classes
(which you might not be able to attend)”*



The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

“*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want*”

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.



A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.



As such, the best educational materials, thoroughly prepared, will be available in this program:



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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



Interactive Summaries

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

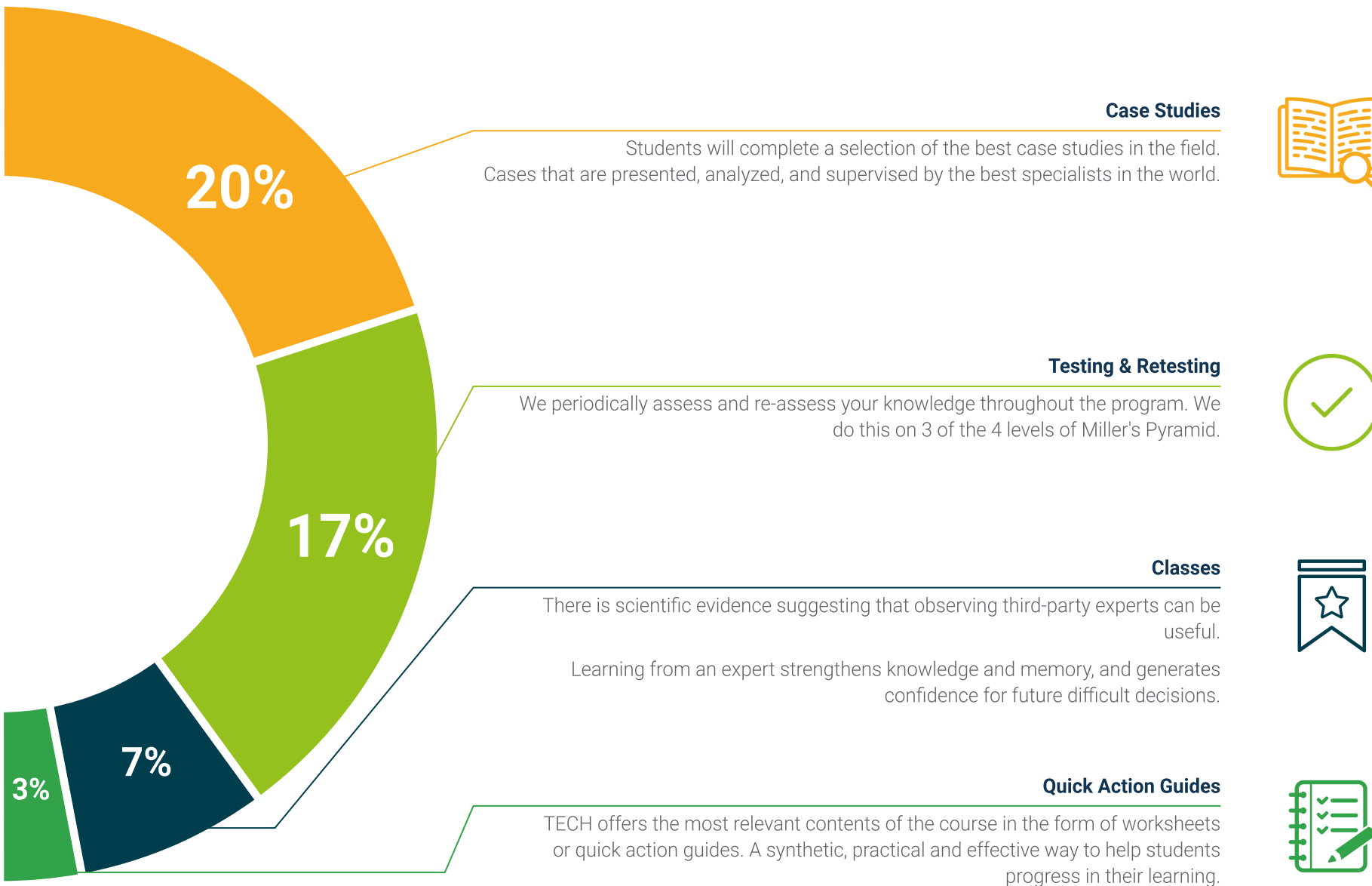
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





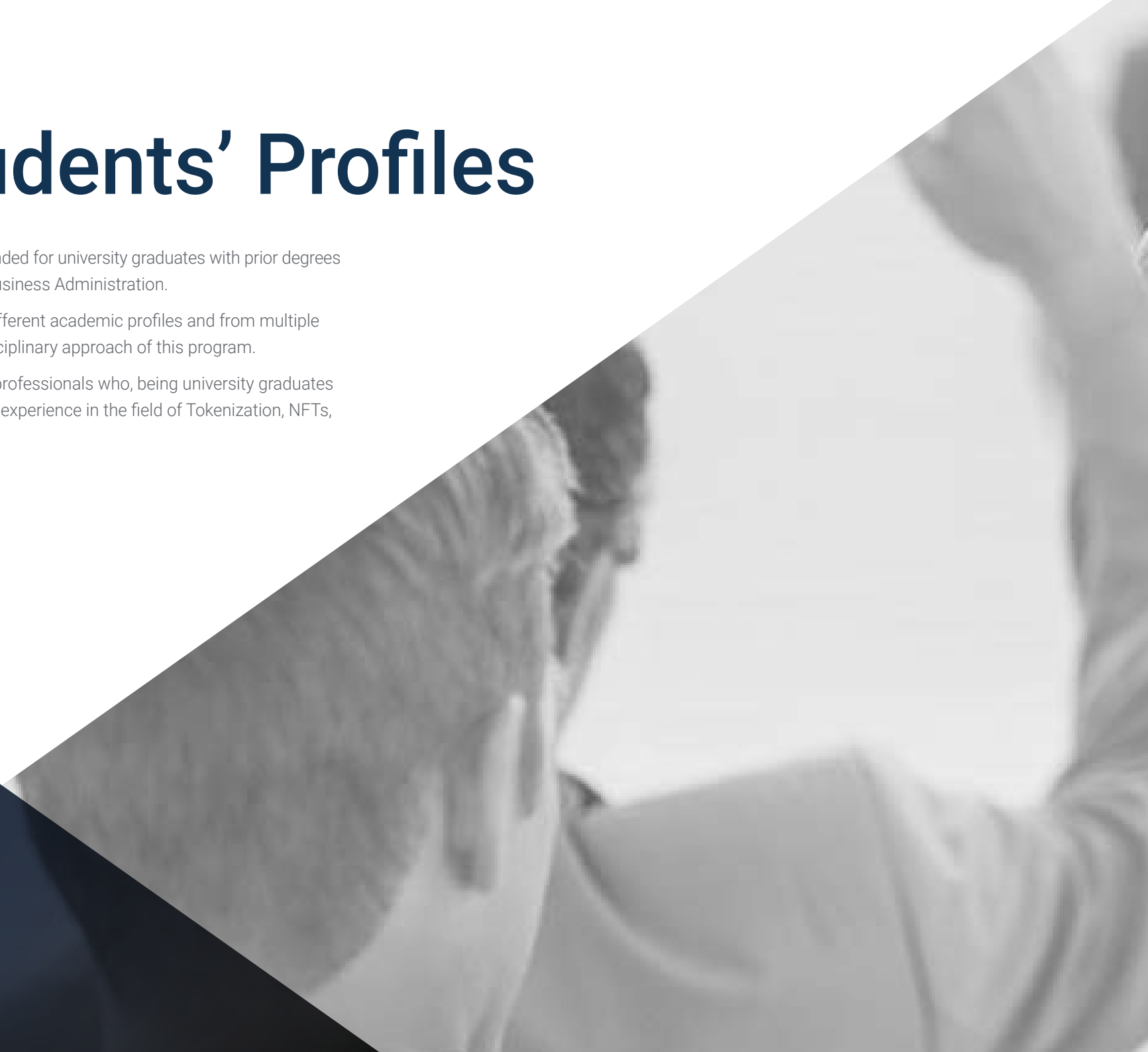
07

Our Students' Profiles

The Postgraduate Certificate is intended for university graduates with prior degrees in Computer Science, Finance, or Business Administration.

The diversity of participants with different academic profiles and from multiple nationalities makes up the multidisciplinary approach of this program.

The program can also be taken by professionals who, being university graduates in any area, have two years of work experience in the field of Tokenization, NFTs, and digital currencies.



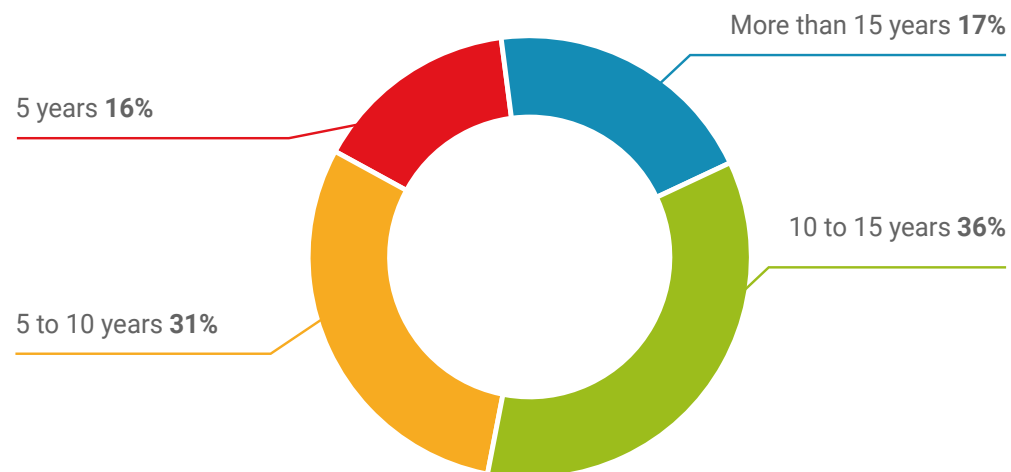
“

*You will have the tools you need to
verify the authenticity of Assets”*

Average Age

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

Years of Experience



Training

Information Technology **33 %**

Finance **30%**

Business **22%**

Other **15 %**



Academic Profile

Computing **35 %**

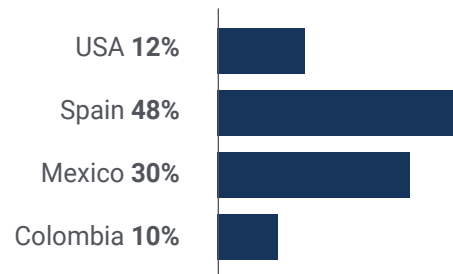
Finance **30%**

Entrepreneurs **25 %**

Other **10 %**



Geographical Distribution



Marcia Olivares

International Business Analyst

"I'm extremely pleased with the progress I've made in my learning journey. My main goal is to understand, learn, and grow in all areas related to virtual assets, as I believe they represent both the present and future for companies, as well as for young and adult entrepreneurs like myself who aim to offer an authentic service. With this Postgraduate Certificate, I hope to provide these services in a formal and professional way"

08

Course Management

With the aim of providing a high-quality program, TECH has brought together leading professionals in tokenization and blockchain as part of its teaching staff, who have been responsible for developing the most up-to-date content. In this way, students will have the opportunity to gain knowledge from specialists with extensive experience in the digital and financial fields, providing the keys to their professional development in an environment that adapts to the latest technologies and academic advances.



“

You will secure assets on Blockchain networks and discover key security measures for Asset Tokenization”

Management



PhD. Gómez Martínez, Raúl

- ♦ Founding Partner and CEO of Open 4 Blockchain Fintech
- ♦ Founding Partner of InvestMood Fintech
- ♦ Apra's CEO
- ♦ PhD in Business Economics and Finance from Universidad Rey Juan Carlos de Madrid
- ♦ Bachelor's Degree in Economics and Business Administration, Complutense University of Madrid
- ♦ Master's Degree in Economic Analysis and Financial Economics, Complutense University of Madrid

Professors

Mr. Diner, Franco

- ♦ Blockchain Developer at Open 4 Blockchain Fintech
- ♦ Blockchain Developer at Bifrost
- ♦ IT Developer at Arbell
- ♦ Fullstack Developer at Digital House
- ♦ Systems Analyst at O.R.T. Technical School
- ♦ Degree in IT from the University of Palermo
- ♦ Tutor and teacher of Coderhouse Web Development



09

Impact on Your Career

Graduates of this program will benefit in ways that will set them apart from other experts in the field and increase their job opportunities. In addition, professionals will have the opportunity to participate in innovative projects that use blockchain and tokenization to improve efficiency, transparency, and accessibility in financial markets.



“

You will understand the role of smart contracts and learn how to use them in an efficient and secure way”

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

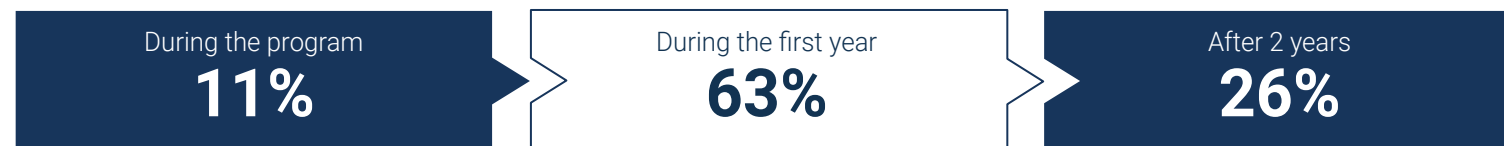
TECH's Postgraduate Certificate in Blockchain for Asset Tokenization is an intensive program that prepares you to face business challenges and decisions in the field of Tokenization. The main objective is to promote your personal and professional growth. Helping you achieve success.

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

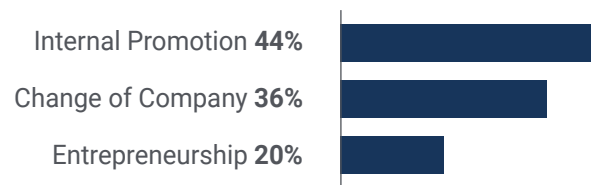
You will take advantage of the potential and opportunities of Asset Tokenization with Bitcoin.

A tailor-made syllabus designed using the most effective teaching methodology, Relearning.

When the change occurs



Type of change



Salary increase

This program represents a salary increase of more than **27.19%** for our students



10

Benefits for Your Company

Graduates of the program will be valuable assets to the company, as they will be able to drive innovation, improve operational efficiency, and strengthen security by opening up new financing opportunities. In addition, they will improve customer interaction, giving the company a competitive position in the market and taking it to the highest levels in the field of digital assets.



“

Become an expert in secure and successful issuances by delving into the world of STOs”

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

01

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.

02

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.

03

Building agents of change

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

04

Increased international expansion possibilities

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



05

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.

06

Increased competitiveness

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

11 Certificate

This Postgraduate Certificate in Blockchain for Asset Tokenization guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the Postgraduate Certificate issued by TECH Global University.



“

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

This private qualification will allow you to obtain a diploma for the **Postgraduate Certificate in Blockchain for Asset Tokenization** 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** private qualification, 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 Blockchain for Asset Tokenization**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





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