Postgraduate Diploma
Asset Tokenization

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Postgraduate Diploma
Asset Tokenization

- Modality: **online**
- Duration: **6 months**
- Certificate: **TECH Global University**
- Credits: **18 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Website: www.techtitute.com/us/information-technology/postgraduate-diploma/postgraduate-diploma-asset-tokenization

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01

Introduction

The introduction of asset tokenization has created a revolution in the digital realm by presenting an innovative approach to the representation and transfer of value. Prior to tokenization, tangible assets, such as real estate and artwork, were traded in their physical form and were restricted by geographical and bureaucratic limitations. Therefore, it is crucial for IT to be at the forefront with this topic, as their knowledge will allow them to participate in innovative projects, develop secure solutions and adapt to the demands of the modern digital economy. Therefore, TECH has developed a 100% online program, which provides all the flexibility needed to combine an elite education with other aspects of their personal and work life.

You will master the skills needed to excel in a world increasingly driven by New Fintech Business Models"

Asset Tokenization has brought significant change to everyday life. Years before tokenization, investing in physical assets such as real estate, works of art or even shares in companies was a complicated process and limited to individuals with large capital. However, with the advent of tokenization, these assets can be divided into smaller fractions represented by digital tokens.

This democratization of assets has allowed anyone to invest in them in a more accessible and flexible way. It is no longer necessary to hold a large amount of capital to participate in the asset market, as tokens allow investors to acquire small fractions according to their means.

Consequently, IT professionals have become increasingly interested in this field, as it gives them alternatives for job growth, as well as personal growth. An expert in this field will have the possibility of developing applications, advancing in security and cryptography issues and integrating new technologies.

It is for this reason that this Postgraduate Diploma in Asset Tokenization has been developed, in order to provide students with the theories, practices and concepts necessary to delve into the field of Tokenization of rights. A 100% online program that uses the most innovative teaching methodology, the Relearning technique. It is a pedagogical approach based on the recall of concepts, which will allow the student to learn in less time and with greater effectiveness. In addition, it is a flexible format that gives the option of access from any device with internet connection.

This **Postgraduate Diploma in Asset Tokenization** contains the most complete and up-to-date educational program on the market. The most important features include:

- The development of practical cases presented by experts in finance and Blockchain
- The graphic, schematic and practical contents of the book provide technical and practical information on those disciplines that are essential for professional practice
- Practical exercises where the self-assessment process can be carried out to improve learning
- Its special emphasis on innovative methodologies
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection

You will be able to drive change in the financial industry by implementing Big Data & Advanced Analytics thanks to this Postgraduate Diploma"

You will acquire, with this program, the necessary tools to become a leader in Blockchain and the digital economy"

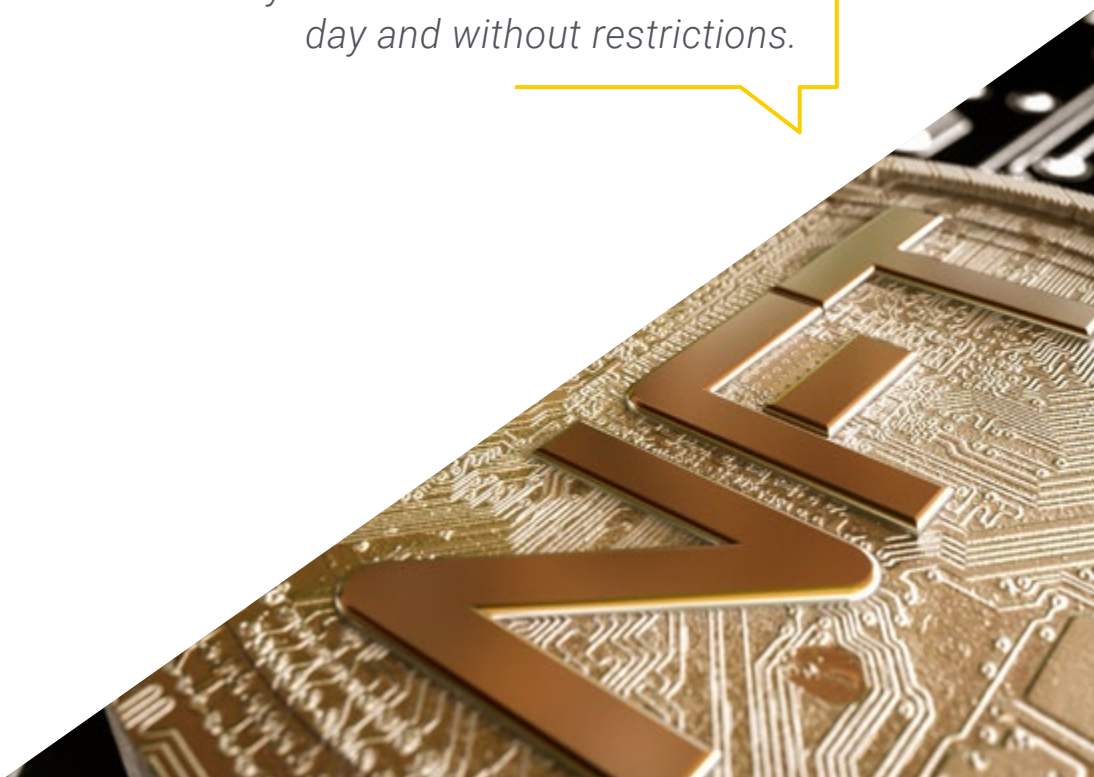
Expand your professional horizons and explore the endless possibilities of asset tokenization in the world of digital finance.

You will have access to a jam-packed library of valuable content 24 hours a day and without restrictions.

The program's teaching staff includes professionals from the sector who contribute their work experience to this training program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn in real situations.

This program's design focuses on Problem-Based Learning, through which the professional must try to solve the different professional practice situations that arise during the academic program. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.



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Objectives

The Postgraduate Diploma aims to provide computer scientists with the knowledge and skills necessary to understand and apply Asset Tokenization in the development of digital solutions. In order to help students achieve their goals, TECH has developed a 100% online program, that offers the most innovative didactic resources, which can be accessed at the time and place that the student whenever and wherever the student wishes, without any restrictions.

Are you passionate about technological innovation? With TECH, you will explore new ways to represent, exchange and monetize Digital Assets in a secure and efficient way"

General Objectives

- Analyze the scope of the Fintech revolution
- Identify the origin and reasons for the emergence of Fintechs
- Observe the differential value provided by Fintechs
- Understand the concept of Tokenization
- Understand the Tokenization process
- Identify which projects are tokenizable
- Establish the advantages offered by tokenization
- Provide an in-depth understanding of Blockchain technology and its implementation in the tokenization of assets
- 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
- Apply the most advanced concepts and tools to carry out token and cryptocurrency trading transactions in a secure and efficient way

Specific Objectives

Module 1. Asset Tokenization Process

- Planning a tokenization process
- Plan actions for tokenization
- Determining the Key Points for Successful Tokenization

Module 2. Security Tokens

- Identifying the different Security Tokens that can be issued
- Analyze the stakeholders of an STO
- Establish how to write a white paper for an STO and a tokenized contract

Module 3. Utility Tokens

- Identifying the different Utility Tokens that can be issued
- Determining the stakeholders of an UTO
- Learn how to write the white paper of a UTO
- Establish the different types of Utility Tokens that can be issued

Become an IT professional at the forefront of Forex and cryptocurrencies and achieve your career goals with this educational qualification"

03

Course Management

This program has a team of highly qualified and experienced faculty in the field of finance, tokenization and blockchain. All professionals are experts committed to providing a high-level preparation, based on academic excellence and practical experience. Teachers will accompany the students in their deepening process, providing them with personalized attention and guiding them in their professional development in the field of asset digitization. All of this together with a series of didactic materials as interactive summaries and specialized readings, which will make the program an unique learning experience.

You will delve into the Phases of Fintech and the unique value of digital assets"

Management

Dr. Gómez Martínez , Raúl

- Founding Partner and CEO of Open 4 Blockchain Fintech
- Founding Partner of InvestMood Fintech
- Chief Executive Officer at Apara
- PhD in Business Economics and Finance from Universidad Rey Juan Carlos de Madrid
- Degree in Economics and Business Administration from Complutense University of Madrid
- Master's Degree in Economic Analysis and Financial Economics from Universidad Complutense de Madrid

Professors

Mr. Gratacós Sánchez de Rivera, Ignacio

- Events Staff Coordinator at Alternativa Eventos
- Double Degree in Law and Business Administration from the Rey Juan Carlos University
- Expert in E-Commerce by the Rey Juan Carlos University
- Expert in Digital Marketing from the Rey Juan Carlos University

Mr. Saiz De Pedro, Marcos Manuel

- Double Degree in Law and Business Administration and Management
- Degree in Business Administration and Management from the Ludwig Maximilians Universität
- Degree in Telecommunication Technologies and Services from the Polytechnic University of Madrid

Mr. González Serradilla, Miguel Ángel

- Member of the Board of the Faculty of Economics and Business Sciences
- Delegate of the Law Degree at Rey Juan Carlos University
- Delegate of the Degree in Business Administration and Management at Rey Juan Carlos University
- Member of the National Council of Law Students

Mr. Mateo Castro, Manuel

- Management of metrics development for results analysis at Ospina Abogados
- Billing Management at FACE S.L.
- Degree in Business Administration and Management from the Business & Marketing School
- Expert in Global Marketing Management by the Business & Marketing School


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04

Structure and Content

This Postgraduate Diploma will provide students with an in-depth knowledge of Asset Tokenization and its application in different financial and business contexts. It will enable them to understand the advantages, issuance processes and relevant regulatory aspects, as well as Fintech business models, which is essential in the current lands cape where digital representation is transforming the way assets are managed and traded. To achieve this, TECH provides students with multiple multimedia resources in different audiovisual supports for a fast, effective and lasting integration of concepts.

You will delve into the concept of Crowdfunding and the easiest way to obtain financial support"

Module 1. New Fintech Business Models

1.1. Fintech Business Models
- 1.1.1. Unmet needs
- 1.1.2. Customer expectations
- 1.1.3. Different Business Models in Fintech: B2C, B2B

1.2. Value contribution of Fintechs
- 1.2.1. Time savings
- 1.2.2. Cost savings
- 1.2.3. Improved User Experience
- 1.2.4. Elimination of entry barriers

1.3. Technological changes on which Fintech is based
- 1.3.1. Big data & advanced analytics
- 1.3.2. IA
- 1.3.3. Machine Learning
- 1.3.4. IOT
- 1.3.5. Blockchain

1.4. Verticals in Fintech
- 1.4.1. Investments
- 1.4.2. Foreign exchange and cryptocurrencies
- 1.4.3. Payments
- 1.4.4. Loans and financing
- 1.4.5. Banking
- 1.4.6. Insurance

1.5. Fintech as a startup
- 1.5.1. Paradigm Shift
- 1.5.2. Limits
- 1.5.3. Exponential growth

1.6. Phases of Fintech as startups
- 1.6.1. Seed - MVP
- 1.6.2. Early - Product Market Fit
- 1.6.3. Growth
- 1.6.4. Expansion
- 1.6.5. Exit

1.7. Startup differentiation
- 1.7.1. Trust
- 1.7.2. Regulation
- 1.7.3. Acquisition cost

1.8. Fintech in its origins
- 1.8.1. Startup vs. DAO
- 1.8.2. Incubators
- 1.8.3. Spin-Offs

1.9. Crowdfunding in Fintechs
- 1.9.1. The Crowdfunding Concept
- 1.9.2. Equity Crowdfunding
- 1.9.3. Crowdlending
- 1.9.4. ICOs vs STOs

1.10. Fintech Statu quo
- 1.10.1. Challenges
- 1.10.2. Opportunities
- 1.10.3. Threats

Module 2. Security Tokens

2.1. Security Tokens
- 2.1.1. Concept of Financial Asset
- 2.1.2. Financial Markets
- 2.1.3. Advantages of Tokenization

2.2. Equity security tokens or "cryptocurrencies"
- 2.2.1. What is a currency?
- 2.2.2. Advantages of Tokenization
- 2.2.3. Tokenist Rights and Obligations

2.3. Debt security tokens or "cryptocurrencies"
- 2.3.1. Concept of debt
- 2.3.2. Advantages of Tokenization
- 2.3.3. Tokenist Rights and Obligations

2.4. Investment Fund Security Tokens
- 2.4.1. The participating account contract and its participants
- 2.4.2. Advantages of Tokenization
- 2.4.3. Tokenist Rights and Obligations

2.5. White Paper of a security token
- 2.5.1. Identification of the issuer
- 2.5.2. Clauses and disclaimer of liability
- 2.5.3. The tokenomics of the issue

2.6. Base contracts for tokenization
- 2.6.1. The notarial deed of a company and the shareholders' agreement
- 2.6.2. Loan contracts Types
- 2.6.3. Characteristics of the participating account contract

2.7. STOs (Security Token Offerings)
- 2.7.1. General Description of Process
- 2.7.2. The Project
- 2.7.3. Communication Campaigns
- 2.7.4. Presale
- 2.7.5. Payment and allocation of tokens

2.8. Example of debt STO
- 2.8.1. Purpose of the issue
- 2.8.2. Tokenomics
- 2.8.3. Placement process

2.9. Example of an STO of a participating account contract
- 2.9.1. Purpose of the issue
- 2.9.2. Tokenomics
- 2.9.3. Placement process

2.10. International Regulations applicable to Security Tokens
- 2.10.1. Entities in charge of market supervision (SECs)
- 2.10.2. Investor protection directives
- 2.10.3. Entities involved in token issuance

Module 3. Utility Tokens

3.1. Utility Tokens
- 3.1.1. Client Management
- 3.1.2. Differences with respect to a security token
- 3.1.3. Value creation for the tokenist

3.2. Utility Tokens as a mean of payment
- 3.2.1. Online payments
- 3.2.2. Advantages of Tokenization
- 3.2.3. Tokenist Rights and Obligations

3.3. Utility Token as an Instrument of Marketing
- 3.3.1. The customer's link
- 3.3.2. Advantages of Tokenization
- 3.3.3. Tokenist Rights and Obligations

3.4. Governance tokens
- 3.4.1. DAO
- 3.4.2. Advantages of Tokenization
- 3.4.3. Tokenist Rights and Obligations

3.5. Fan Tokens
- 3.5.1. Fan Phenomenon
- 3.5.2. Advantages of Tokenization
- 3.5.3. Tokenist Rights and Obligations

3.6. White Paper of an Utility token
- 3.6.1. Identification of the issuer
- 3.6.2. Clauses and disclaimer of liability
- 3.6.3. The tokenomics of the issue

3.7. UTO
- 3.7.1. General Description of Process
- 3.7.2. The Project
- 3.7.3. Communication Campaigns
- 3.7.4. Presale
- 3.7.5. Payment and allocation of tokens

3.8. Example of UTO of a token as a means of payment
- 3.8.1. Purpose of the issue
- 3.8.2. Tokenomics
- 3.8.3. Placement process

3.9. Fan Token UTO Example
- 3.9.1. Purpose of the issue
- 3.9.2. Tokenomics
- 3.9.3. Placement process

3.10. Regulations applicable to Utility Tokens
- 3.10.1. Wage Protection
- 3.10.2. Consumer protection directives
- 3.10.3. Supervisory Bodies

You will acquire advanced knowledge that will open doors to new professional opportunities in Security Tokens"

05

Methodology

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.

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

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.

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

You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.

The student will learn to solve complex situations in real business environments through collaborative activities and real cases.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. 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 professional reality is taken into account.

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

The case method has been the most widely used learning system among the world's leading Information Technology 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 that you are presented with in the case method, an action-oriented learning method. Throughout the course, students 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.

Relearning Methodology

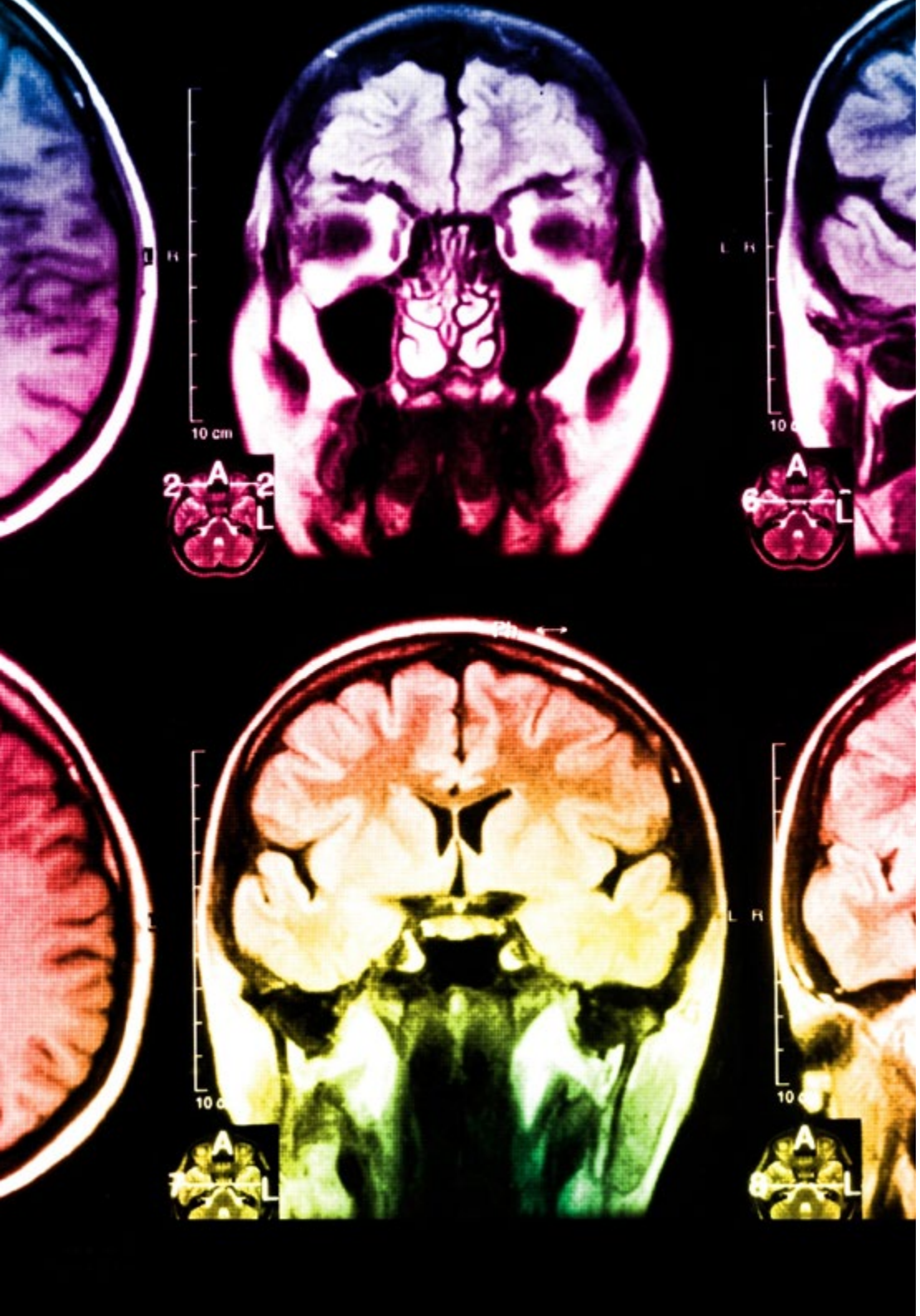
TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

In 2019, we obtained the best learning results of all online universities in the world.

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 university is the only one in the world authorized to employ 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.



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. This methodology has 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, and financial markets and 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 training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for 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.

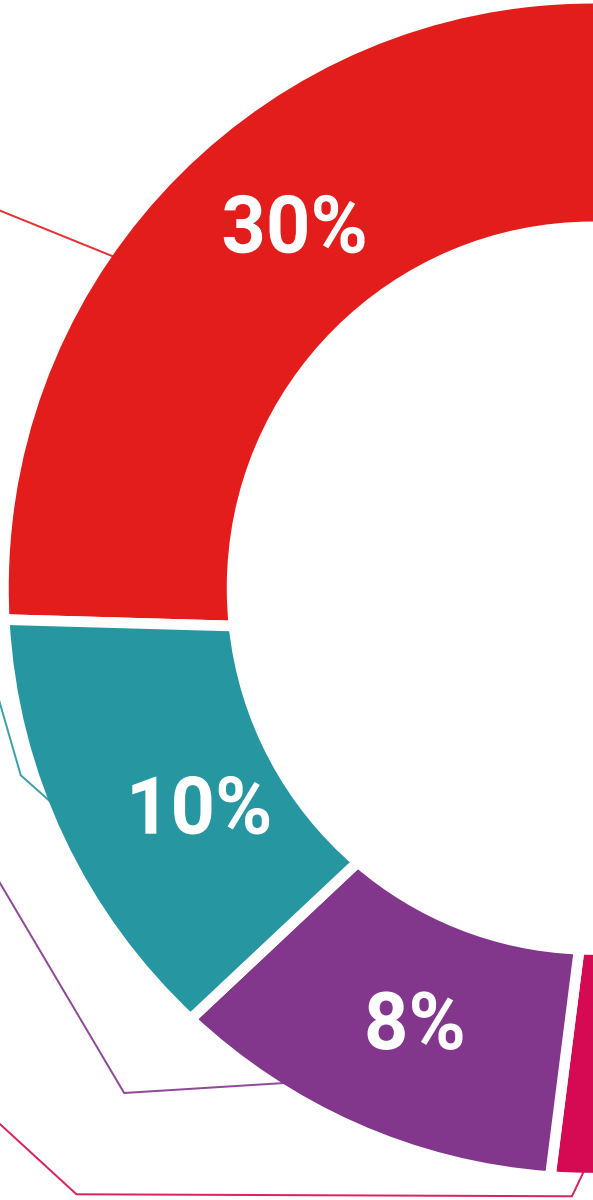
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

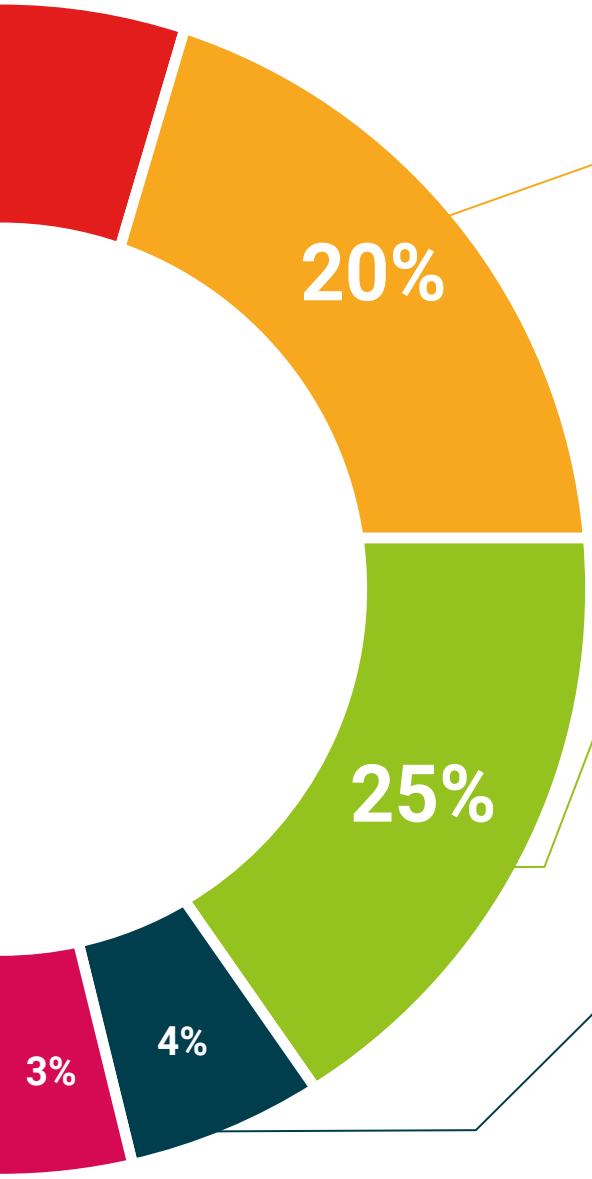
Practising Skills and Abilities

They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.

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.





Case Studies

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 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

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.

06

Certificate

The Postgraduate Diploma in Asset Tokenization guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Global University.

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

This program will allow you to obtain your **Postgraduate Diploma in 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** 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 Asset Tokenization**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**


tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Diploma in Asset Tokenization

This is a program of 450 hours of duration equivalent to 18 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

Dr. Pedro Navarro Illana
Rector

Unique TECH Code: AFWORD23S techtitute.com/certificates

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

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