Postgraduate Certificate
Security Tokens

tech *technological university*

Postgraduate Certificate
Security Tokens

- » Modality: **online**
- » Duration: **12 weeks**
- » Certificate: **TECH Technological University**
- » Dedication: **16h/week**
- » Schedule: **at your own pace**
- » Exams: **online**

Website: **www.techtitute.com/in/information-technology/postgraduate-certificate/security-tokens**

Index

01
Introduction

Security Tokens have transformed the digital and financial arena by offering a more efficient, transparent and accessible way to invest in traditional financial assets. Their adoption continues to grow, and they are expected to play an increasingly important role in the transformation of the global economic system. Consistent with this, it is important that IT professionals are in sync with these new digital security measures. This is why TECH has developed a program in a 100% online format that offers students a number of didactic resources that adapt to their need to combine their professional and personal activities with learning, as they will not be subject to fixed schedules.

You will explore the different tokenizable projects, from companies to single asset tokens, and learn how to manage communities through them"

Security tokens have democratized access to a wide range of financial assets. Previously, many of these assets were limited to institutional investors or wealthy individuals. With Security Tokens, assets can be divided into smaller fractions, allowing retail investors to access investments that were previously inaccessible.

This has enabled cross-border fund placement and trading without significant geographic restrictions. This opens up new opportunities for investors and allows companies to tap into a wider pool of capital from around the world.

This is why it is essential for computer scientists to be at the forefront of financial technologies, to participate in a growth market, contribute to the security and privacy of digital assets, and take advantage of professional and entrepreneurial opportunities in this constantly evolving field.

Following this approach, TECH has developed a Postgraduate Certificate in Security Tokens, to give the student the possibility to acquire skills in the new era of digital security and privacy. In this sense, the program is offered in a 100% online way to give the opportunity to access from any electronic device with an Internet connection. Additionally, thanks to the implementation of the *Relearning*method, IT professionals will be able to advance smoothly, assimilating the concepts in a simpler way and reducing the extensive hours of study.

This **Postgraduate Certificate in Security Tokens** contains the most complete and up-to-date 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 program 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

Understand the main characteristics of Security Tokens and how they differ from cryptocurrencies"

Immerse yourself in placement projects and allocation of Tokens.

" *You will discover the advantages of Tokenization and transparency in financial markets"*

You will venture into the secondary token market and learn about the advantages of the bilateral market.

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

Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning, that is, a simulated environment that will provide an immersive training programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

02
Objectives

The main objective of this Postgraduate Certificate is to prepare the computer scientist to take advantage of the job opportunities in a constantly growing field such as digital finance. Thanks to a series of high quality contents, you will be able to develop innovative technological solutions, improve the security and privacy of digital assets, complying with regulatory requirements. To achieve this, a virtual methodology has been implemented that offers didactic resources in different formats, all of them gathered in a virtual library that can be accessed 24 hours a day, with unlimited access.

You will learn how to value tokens and the investment opportunities they offer"

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
- Develop the concept of Tokenization
- Analyze the Tokenization process
- Identify which projects can be Tokenized
- Establish the advantages of Tokenization
- Provide an in-depth understanding of Blockchain technology and its implementation in Asset Tokenization
- 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 transactions of tokens and cryptocurrencies in a safe and efficient way
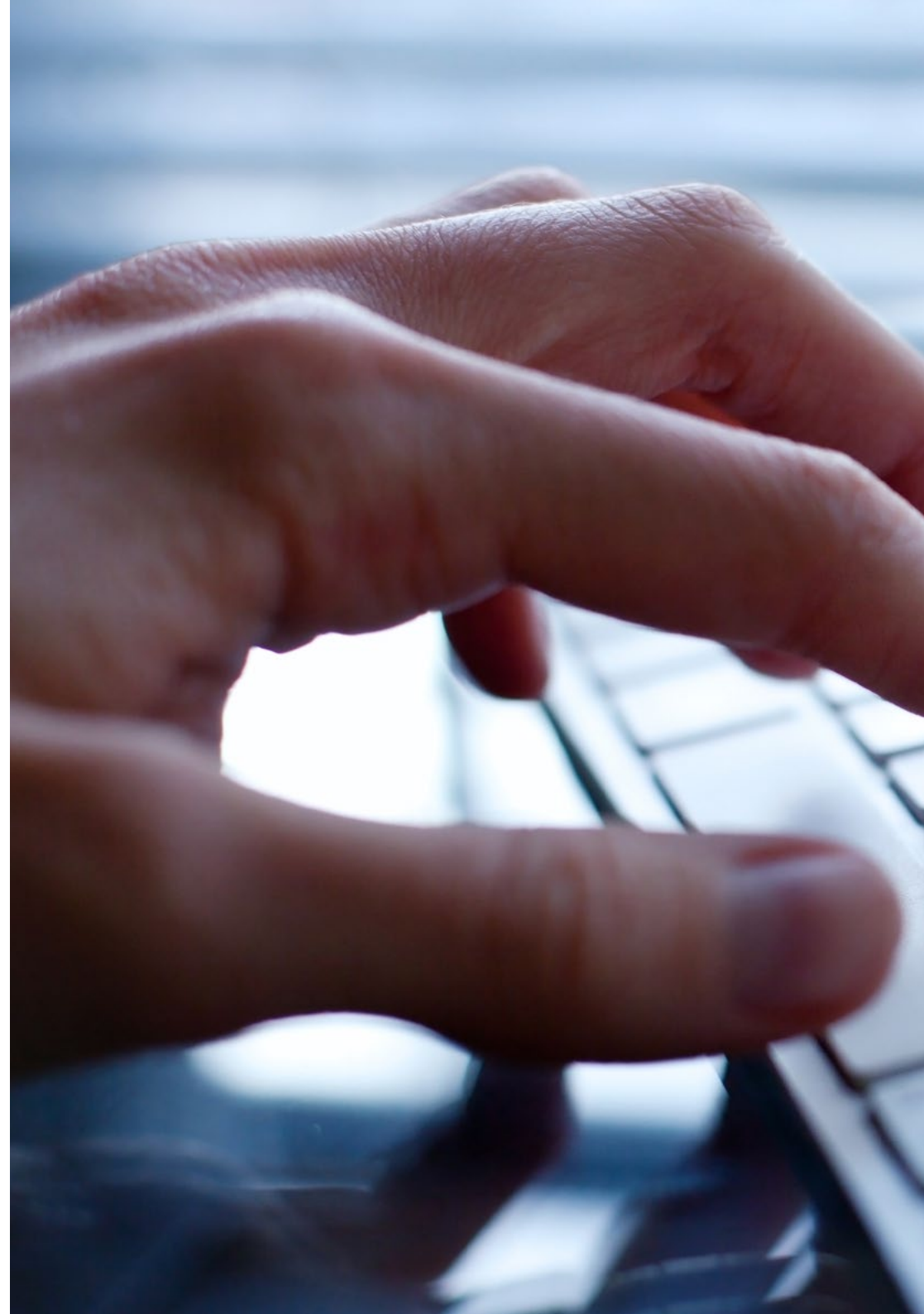
Specific Objectives

- Propose a tokenization process. Analyze the Industrial Internet Consortium
- Plan actions for Tokenization
- Determine the Key Points for successful Tokenization
- Identify the different Security Tokens that can be issued
- Analyze the stakeholders of an STO
- Establish how to draft an STO White Paper and a tokenized contract

With the Relearning method, you will reduce the hours of study and you will strengthen your understanding in the long run"

03
Course Management

This program has a highly qualified and experienced teaching team in the field of Finance and Tokenization. These specialists will be responsible for delivering quality learning, based on academic excellence and practical application. The professors will guide students throughout their process, offering guidance in their professional development in the field of Security Tokens. Additionally, didactic materials will be provided to enrich the learning experience. All this gathered in a 100% virtual format and which can be accessed at any time as it is not subject to fixed schedules.

"You will delve into the role of financial assets and the advantages compared to traditional markets."

Management

Dr. Gómez Martínez, Raúl

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

04
Structure and Content

The syllabus that has been put together in this program is designed to give the IT professional quality content, where they will find topics such as the exploration of equity Security Tokens (cryptocurrencies), debt tokens (cryptobonds) and investment fund tokens, as well as the international regulations applicable to this modality, including the entities in charge of market supervision. Additionally, thanks to the *Relearning* method implemented by TECH, the student will be able to learn with less effort and morewill be able to learn with less effort and more performance.

"

Acquire the necessary skills in the tokenization of assets and discover how to convert traditional assets into digital tokens, only with TECH"

Module 1. The Asset Tokenization Process

1.1.   Asset Tokenization
    1.1.1.   Asset Tokenization
    1.1.2.   Parallels with Traditional Emissions
    1.1.3.   Differences from Traditional Emissions

1.2.   Tokenizable Projects
    1.2.1.   Business Projects
    1.2.2.   Community Management with Tokens

1.3.   Tokens to be issued: Main Features
    1.3.1.   Security Tokens and STOs
    1.3.2.   Utility Tokens and UTOs
    1.3.3.   NFTs
    1.3.4.   Differences Between Tokens and Cryptocurrencies and ICOs.

1.4.   Advantages of Tokenization
    1.4.1.   Democratization of Investment
    1.4.2.   Liquidity
    1.4.3.   Security/Safety
    1.4.4.   Transparency
    1.4.5.   Authentication
    1.4.6.   Community Management

1.5.   The Asset Tokenization Process I: Project Conceptualization
    1.5.1.   The Design of White Paper
    1.5.2.   Writing a White Paper
    1.5.3.   Content of a White Paper

1.6.   The Tokenization Process II: Placement of Tokens
    1.6.1.   Target Audience
    1.6.2.   The Pre-sales
    1.6.3.   Direct Placement

1.7.   The Tokenization Process III: Allocation of Tokens
    1.7.1.   Means of Payment
    1.7.2.   Cold Wallet
    1.7.3.   Pooled Wallet

1.8.   The Secondary Token Market: Bilateral Market
    1.8.1.   Liquidity for the Tokenist
    1.8.2.   Bilateral Trading
    1.8.3.   Advantages and Disadvantages

1.9.   The Secondary Token Market: Exchanges
    1.9.1.   Entry Requirements
    1.9.2.   Characteristics of Token Trading on the Exchange
    1.9.3.   Advantages and Disadvantages

1.10.   Token Valuation
    1.10.1.   Market Value
    1.10.2.   Theoretical Value
    1.10.3.   Investment Opportunities

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 an Equity
    2.2.2.   Advantages of Tokenization
    2.2.3.   Rights and Obligations of the Tokenist

2.3.   Debt Security Tokens or "Cryptobonds".
    2.3.1.   Concept of Debt
    2.3.2.   Advantages of Tokenization
    2.3.3.   Rights and Obligations of the Tokenist

2.4.   Mutual Fund Security Tokens
    2.4.1.   The Participant Account Contract and its Participants
    2.4.2.   Advantages of Tokenization
    2.4.3.   Rights and Obligations of the Tokenist

2.5.   The Security Token of White Paper
    2.5.1.   Identification of the Issuer
    2.5.2.   Clause and Disclaimer
    2.5.3.   The Tokenomics of the Issue

With this 100% online Postgraduate Certificate, discover the different types of Security Tokens, such as cryptocurrencies and cryptobonds"

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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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.

30%

10%

8%

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.

20%

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".

25%

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.

4%

3%

Certificate

The Postgraduate Certificate in Security Tokens guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.

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

This **Postgraduate Certificate in Security Tokens** 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 Certificate** issued by **TECH Technological University** via tracked delivery*.

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

Title: **Postgraduate Certificate in Security Tokens**

Official Nº of Hours: **300 h.**

tech technological university

Awards the following

CERTIFICATE

to

Mr./Ms. _____, with identification number _____.
For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Security Tokens

This is a qualification awarded by this University, equivalent to 300 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

Unique TECH Code: AFWORD23S   techtitute.com/certificates

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

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