



Security and NFTs

in the DeFi World

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

» Target Group: University graduates who have previously completed any of the degrees in the field of Computer Science, Economics, Finance, Technology, Innovation or Blockchain research.

Website: www.techtitute.com/pk/school-of-business/postgraduate-diploma/postgraduate-diploma-security-nfts-defi-world

Index

Why Study at TECH? Why Our Program? Objectives Welcome p. 4 p. 6 p. 10 p. 14 06 Methodology Structure and Content Our Students' Profiles p. 20 p. 28 p. 36 80 **Course Management** Impact on Your Career Benefits for Your Company p. 40 p. 44 p. 48 Certificate

01 **Welcome**

Security and NFTs are crucial elements for the growth of the decentralized finance world. In order to verify the authenticity of digital assets, experts need to employ effective strategies in cryptocurrency investment. In this way, professionals will be able to count on a high level of security in their operations and thereby avoid data manipulation. In this context, this program will help students to take advantage of the possibilities offered by the exciting world of DeFi. In addition, throughout the program the professional will acquire new skills related to the adaptability to the cryptographic economy. All this with a 100% online format that will provide ample time flexibility.









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.



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"

Why Study at TECH? | 09 tech

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



Analysis

TECH explores the student's critical side, their ability to question things, their problem-solving skills, as well as their interpersonal skills.



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.





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.

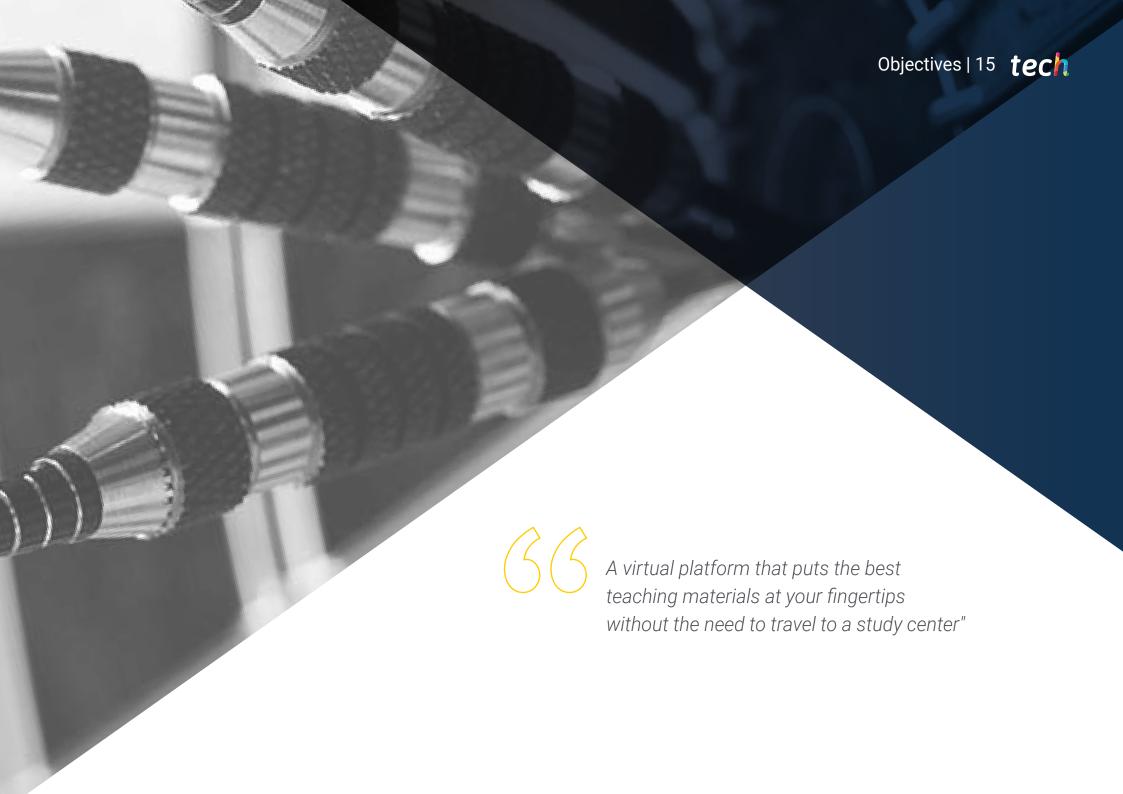


You will be part of an exclusive community

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

This Postgraduaate Diploma in Security and NFTs in the DeFi World will enable the students to:



Acquire the skills necessary to maximize passive income through the effective implementation of DeFi strategies



Apply the latest yield farming trends and participation in DAOs



Get an in-depth understanding of advanced DeFi and passive income strategies in the cryptocurrency and blockchain ecosystem





Identify DeFi's advantages, including global access and transparency, and analyze challenges, such as security and regulation



Master a variety of digital wallets, executing rigorous security practices



Be able to research case studies of hacks and losses of funds related to digital wallets to learn from common mistakes



Master the most popular lending and staking platforms, using them efficiently





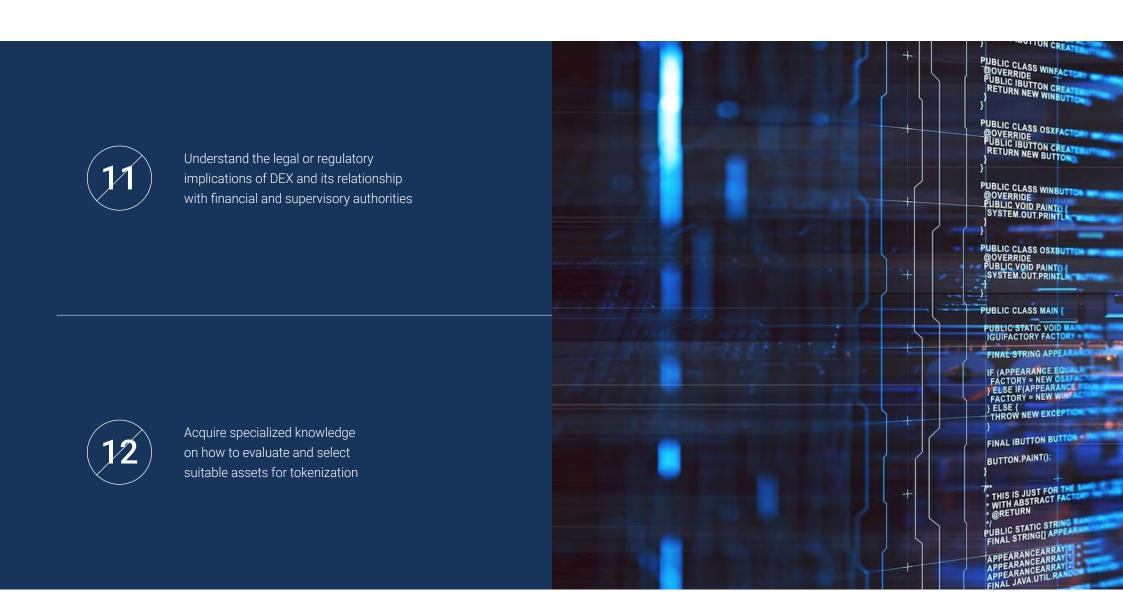
Gain control of the essential strategies and tools used in yield farming in order to maximize returns from cryptocurrency investments



Understand the fundamental concepts of cryptocurrency lending, including the process, types of loans and interest rates



Apply the most commonly used DEX protocols such as Uniswap, SushiSwap and PancakeSwap





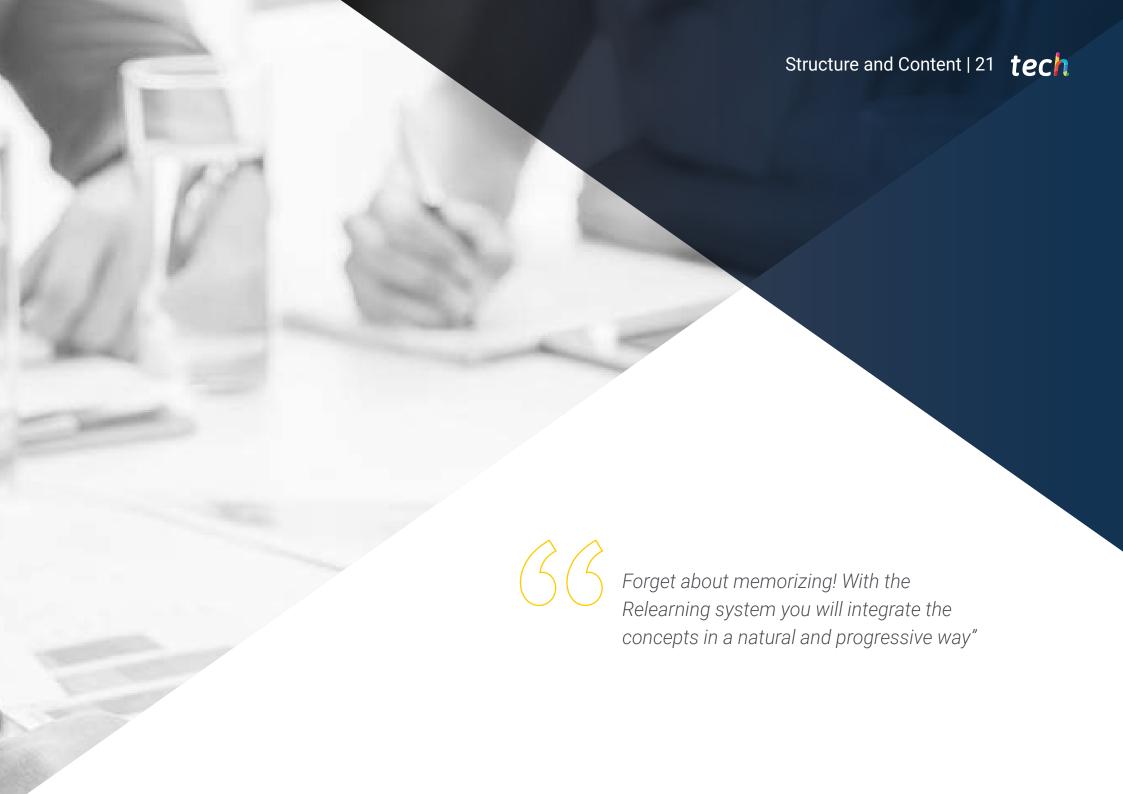


Gain insight into how DeFi is redefining financial transactions, economic inclusion, and traditional intermediation



Assess risks, challenges and opportunities in the crypto space considering legal, ethical and sustainable aspects





tech 22 | Structure and Content

Syllabus

This Postgraduate Diploma is a rigorous program that will delve into the most disruptive developments in the world of cryptocurrencies and blockchain. Consisting of 3 modules, the syllabus will analyze how NFTs are revolutionizing digital property and the economy through smart contracts. In this sense, the educational itinerary will provide various basics of passive investment strategies. In this way, students will create diversified portfolios with a low-maintenance approach.

In just 450 hours of online education, students will examine case studies that illustrate vulnerabilities and challenges in wallet security. In addition, they will extract valuable lessons aimed at protecting digital assets. Furthermore, the content will address the benefits of these strategies and encourage the construction of solid investment portfolios.

After completing the program, graduates will be qualified to overcome any challenge related to the field of DeFi. It should be noted that the syllabus encourages experts to innovate in the crypto field through the most creative strategies.

Also, TECH guides the education from excellence and comfort by providing the most innovative and exclusive material, being this, a program in which you will only need an electronic device with an Internet connection. In this way, you will be able to access the virtual platform from the comfort of wherever you are, and thereby start your lessons without any scheduling problems.

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

Module 1 DeFi, Wallets and Security

Module 2 Passive Investment Strategies

Module 3 NFTs and DeFi



Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate Diploma in Security and NFTs in the DeFi World 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

Module 1. DeFi, Wallets and Security								
1.1. 1.1.1. 1.1.2. 1.1.3.	Multi-Signature Wallets: Strengthening Security Operation of Multi-Signature Wallets Implementation of Multi-Signature Wallets in Transactions Examples of Cases in which Multi-Signature Wallets have Prevented Fraud and Losses	1.2.1. 1.2.2. 1.2.3.	Wallet Management in Mobile Devices Mobile Wallets Wallet Applications on iOS and Android Devices Security and Best Practices in the Use of Mobile Wallets	1.3. 1.3.1. 1.3.2. 1.3.3.	Configuration and Secure Use of Digital Wallets Creating a Wallet Private Key Management Performing Secure Transactions	1.4.1. 1.4.2.	Cryptocurrencies and Wallets Storage of Bitcoin and other Popular Cryptocurrencies Compatibility of Wallets with Different Tokens Multifunctional versus Coin-Specific Wallets	
1.5. 1.5.1. 1.5.2. 1.5.3.	Management Practices	1.6. 1.6.1. 1.6.2. 1.6.3.	Hacking and Loss of Funds Case Studies Examples of Famous Hacks Common Causes of Loss of Funds Lessons Learned from Past Incidents	1.7. 1.7.1. 1.7.2. 1.7.3.	Backups and Recovery of Funds Importance of Backups Recovery Procedures for Lost Wallets Strategies to Avoid Unrecoverable Loss	1.8. 1.8.1. 1.8.2. 1.8.3.	Online Wallets vs. Offline Wallets Advantages and Disadvantages of Each Type Use of Wallets in Different Contexts Risk Mitigation Strategies	
1.9.1. 1.9.2. 1.9.3.	Importance of Keeping Private Keys Secure	1.10.1 1.10.2	Advanced Security Strategies Cold Storage and Hardware Wallets Segregated Witness (SegWit) and its Impact on Security Smart Contracts and Security in Cryptocurrency Wallets					

Module 2. Passive Investment Strategies							
2.1.	Passive Investment in Alternative Asset Class	2.2.	Passive Investment Factors and Strategies	2.3.	Passive Investment in Foreign Exchange Markets (Forex)	2.4.	Passive Investment in the context of DeFi
2.1.2.	Passive Investment in Real Estate through REITs and Tokens Passive Investment Strategies in Commodities and Precious Metals Passive Investment in Cryptocurrencies and Digital Asset Tokens	2.2.2.	Factor-Based Strategies in Passive Investment Passive Investment Based on Value, Growth and Other Factors Use of Factor ETFs and Factor Index Funds	2.3.2.	Passive Investment in the Foreign Exchange Market Use of ETFs and Currency Funds for Passive Investment Risks and Opportunities in Passive Forex Investment	2.4.2.	Passive Investment Strategies in DeFi Platforms Liquidity and Passive Income Generation in DeFi Challenges and Risks in Passive Investment in the DeFi Ecosystem
2.5.1. 2.5.2.	Passive Investment Strategies in Emerging Markets Passive Investment in Emerging Markets Opportunities and Risks in Developing Markets ETFs and Index Funds Focused on Emerging Markets	2.6.1. 2.6.2.	Passive Investment Strategies with Crypto-Assets Passive Investment in Cryptocurrencies and Digital Tokens Use of Staking and Yield Farming in Passive Strategies Passive Investment Strategies in NFT and Collection Tokens	2.7.1.	Passive Investment in DeFi Projects Passive Participation in the Governance of DeFi Projects Voting and Decision Making in Decentralized Projects Benefits and Risks of Passive DeFi Investment	2.8.1. 2.8.2. 2.8.3.	Development of Customized Passive Strategies Creation of Customized Passive Portfolios Tools and Resources for Passive Strategy Planning Success Stories in Customized Passive Investment Strategies
	International Tax Implications of Passive Investments		Practical Passive Investment Applications and Case Studies				
2.9.2.	International Tax Considerations in Passive Investments Global Tax Planning Strategies for Passive Investors International Tax Minimization in Passive Investment Portfolios	2.10.2	Practical Exercises on the Creation of Passive Portfolios Case Studies of Investors and Funds that have been Successful with Passive Strategies The Future of Passive Investment and its Role in Modern Finance				

tech 26 | Structure and Content

Mod	dule 3. NFTs and DeFi					
3.1. 3.1.1 3.1.2 3.1.3	Non-Fungible Token Technology (NFTs) NFT Standards and Protocols NFT Markets and Platforms Technical Operation of NFTs	3.2. NFT Use Cases3.2.1. NFTs in Digital Art3.2.2. NFTs in Video Games3.2.3. Authentication and Provenance of Digital Assets	3.3. 3.3.1. 3.3.2. 3.3.3.	- 1	3.4.1. 3.4.2.	Decentralized Finance (DeFi) Loans in DeFi Decentralized Exchanges (DEX) Yield Farming and Staking in DeFi
	DeFi Risk Management Threats and Vulnerabilities Security Measures in DeFi Risk Mitigation Practices	 3.6. Interoperability and Synergies between NFTs and DeFi 3.6.1. Use of NFTs in DeFi Applications 3.6.2. NFTs as Collateral in DeFi Loans 3.6.3. Creation of NFTs Backed by DeFi Assets 	3.7. 3.7.1. 3.7.2. 3.7.3.	Intellectual Property and NFTs Legal Implications and Ethics Copyright and NFT Licenses Notable Cases of Intellectual Property in NFTs		Financial Inclusion and Disintermediation in DeFi Global Access to Financial Services Reduction of Intermediaries in Financial Transactions DeFi as a Tool for Economic Empowerment
	Trends and future of NFTs and DeFi Technological Evolution and Adoption of NFTs and DeFi New Applications and Emerging Ecosystems Future Challenges and Opportunities	3.10. Ethics and Sustainability in the use of NFTs and DeFi 3.10.1. Ethical Considerations in NFTs and DeFi 3.10.2. Environmental Impact of Blockchain and Cryptocurrencies 3.10.3. Sustainable Approaches in the Cryptocurrency Space				





Without fixed schedules or evaluation timelines: this is what this TECH program is all about"



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.

28

日日



tech 30 | 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 32 | 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 | 33 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.

tech 34 | Methodology

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.



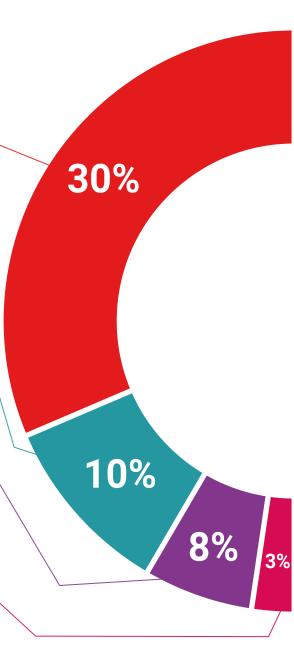
Management Skills Exercises

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.

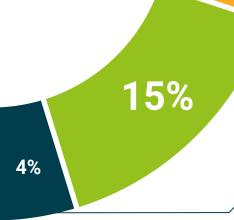


This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

Testing & Retesting

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.



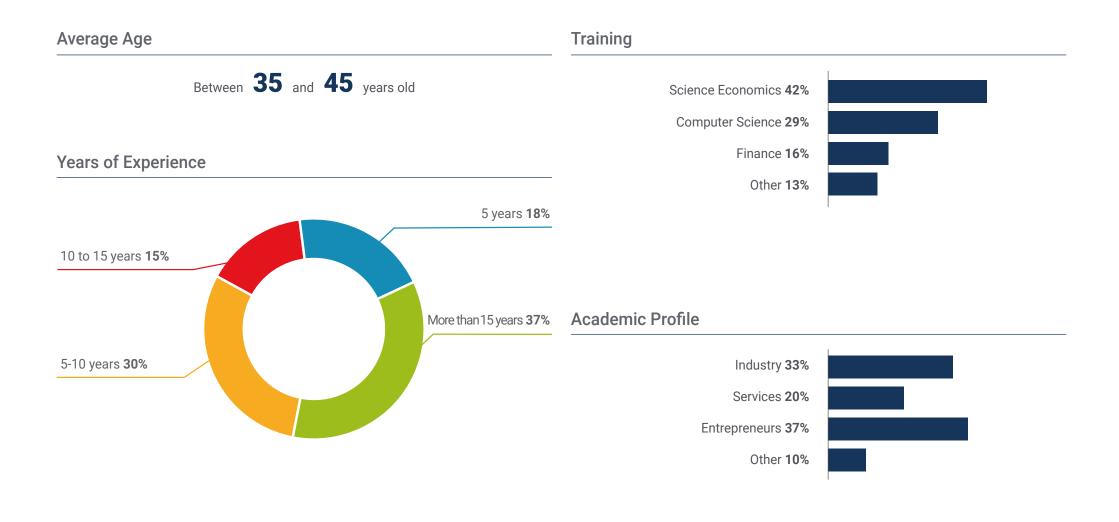


30%

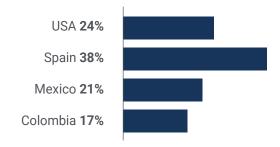




tech 38 | Our Students' Profiles



Geographical Distribution





Samuel Fernández Muñoz

Security Engineer

"My sincere thanks for the Postgraduate Diploma in Security and NFTs in the DeFi world. The strategies and practices I have learned have given me a solid foundation to protect my investments, as well as safely participate in the DeFi market. Thank you for this high-quality education"





tech 42 | Course Management

Management



Mr. Hernández Blanco, Miguel

- CEO at Traders Business School
- Financial Trader
- COO Trading Mentor
- Expert in Business Strategies, New Project Development and Financial Management
- Official Master's Degree in Finance and Banking from Pablo de Olavide University
- Official Master's Degree in Blockchain and Fintech from the European Institute of Business School
- Degree in Economics from the University of Seville

Professors

Ms. Fernández Olmedo, María Isabel

- Specialist in Economic History and the Financial Sector
- Professor in Economic History and its Impact on Markets
- Offical Master's Degree in High School Education Teaching by the University of Nebrija
- Master's Degree in History by the Pablo de Olavide University
- Degree in Economics from the University of Seville





Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"





Do you want to experience a leap in quality in your knowledge? With TECH you will acquire an original vision by combining traditional investment strategies with the most modern ones.

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

TECH's Postgraduate Diploma in Security and NFTs in the DeFi World is an intensive program that prepares you to face challenges and business decisions in the field of Decentralized Finance. The main objective is to promote your personal and professional growth. By helping you achieve your career aspirations.

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 master the latest trends in customized passive strategies thanks to this innovative program.

When the change occurs

During the program 63%

After 2 years 26%

Type of change



Salary increase

This program represents a salary increase of more than 26,24% for our students

Salary before **52,000** \$

A salary increase of **26,24%**

Salary after **65,644** \$





tech 50 | 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 54 | Certificate

The **Postgraduate Diploma in Security and NFTs in the DeFi World** 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 certificate 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 Security and NFTs in the DeFi World Official N° of Hours: 450 h.



^{*}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.



Postgraduate Diploma Security and NFTs in the DeFi World

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

