



# and Passive Income

» 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-advanced-trading-defi-passive-income

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# 01 **Welcome**

In an era characterized by digitization, advanced operations in DeFi and Passive Income have several benefits for institutions. Among them, the diversification of their revenues and access to global finance stand out. Given this, Blockhain experts need to both update their content and apply the latest technological trends in the crypto world. In this context, TECH offers an educational program to provide students with the most advanced strategies in staking and maximizing rewards to face challenges in the decentralized finance ecosystem. In addition, the syllabus will provide them with new skills to generate passive income with insight. Moreover, it should be noted that it is based on a 100% online methodology, providing great flexibility to the professional.









### 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.

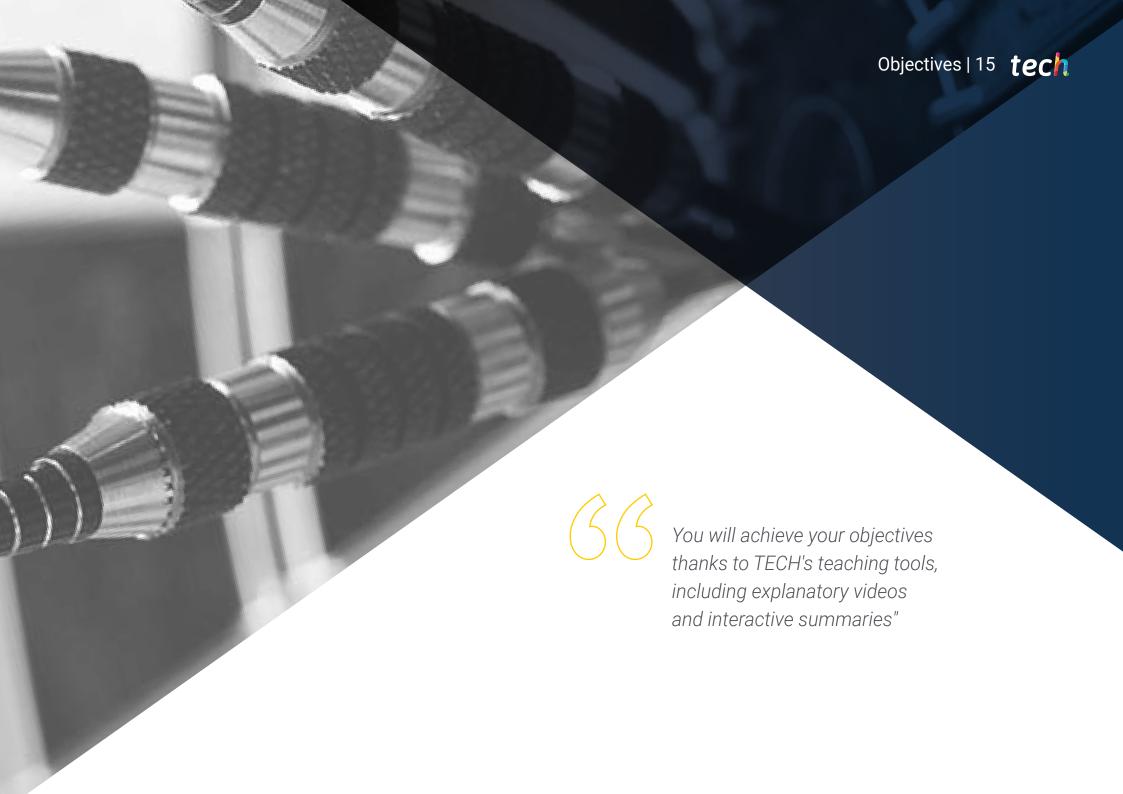


### You will be part of an exclusive community

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

The Postgraduate Diploma in Advanced Trading in DeFi and Passive Income will enable 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



09

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



Understand the legal or regulatory implications of DEX and its relationship with financial and supervisory authorities



Acquire specialized knowledge on how to evaluate and select suitable assets for tokenization







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 program is a source of knowledge on decentralized financial technology. Organized in 3 modules, the syllabus will delve into advanced factors of the cryptocurrency and blockchain ecosystem. Thanks to this, the professional will maintain their digital assets while generating passive income and participating in the decentralized economy.

In this sense, students will delve into the most popular platforms used in yield farming, where Compound stands out. Likewise, the educational itinerary will analyze optimal trading methods with cryptographic options. In this way, graduates will apply hedging strategies in cutting-edge operations.

Through 6 months of online learning, students will be highly qualified to evaluate risks, challenges and opportunities in the world of cryptocurrencies. It should be noted that the teaching staff will consider the legal, ethical and sustainable aspects related to this practice. In this way, users will gain both transparency and confidence in the disclosure of information.

At the same time, the syllabus is designed to adapt the students to the current needs in the passive income system. Therefore, the program emphasizes the latest trends in DeFi and analyzes the most effective resources. Over the course of 450 teaching hours, the program will provide a unique and stimulating experience, thereby laying the foundation for success in this ever-expanding profession.

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

Module 1 Loans and Staking applied to DeFi

Module 2 Yield Farming applied to DeFi

Module 3 Cryptocurrency Derivatives and Advanced Trading Strategies



### Where, When and How is it Taught?

TECH Technological University offers you the possibility to study this Postgraduate Diploma in Advanced Trading in DeFi and Passive Income 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. Loans and Staking applied to DeFi

### 1.1. Lending Mechanisms in Cryptocurrencies

- 1.1.1. Collateralized Loans
- 1.1.2. Uncollateralized Loans (Flash Loans)
- 1.1.3. P2P Lending Platforms

### 1.2. Staking as Validation and Rewards

- 1.2.1. Staking Functioning
- 1.2.2. Participation in the Security of Blockchain Networks
- 1.2.3. Reward Generation

### 1.3. Economic Implications of Lending and Staking

- 1.3.1. Profitability and Risks
- 1.3.2. Comparison with Traditional Investments
- 1.3.3. Diversification of Digital Assets

### 1.4. Lending and Staking Platforms

- 1.4.1. Selection of Reliable Platforms
- 1.4.2. Registering and Setting Up Accounts
- 1.4.3. Participation in Loans and Staking

#### 1.5. International Legal and Tax Considerations

- 1.5.1. International Jurisdictions and Regulations
- 1.5.2. International Cryptocurrency Related Taxes
- 1.5.3. International Regulatory Compliance

## 1.6. Examples of Successful Lending and Staking applied to DeFi

- 1.6.1. Examples of Successful Lending and Staking
- 1.6.2. Lessons Learned from Past Problems
- 1.6.3. Risks and Rewards in Practice

### 1.7. Advanced Staking Strategies

- 1.7.1. Maximizing Rewards
- 1.7.2. Diversification Strategies
- 1.7.3. Risk and Portfolio Management

### 1.8. Security and Private Key Practices

- 1.8.1. Private Key Protection in Staking
- 1.8.2. Secure Storage
- 1.8.3. Recovery of Funds

#### 1.9. Liquidity and Yield Strategies

- 1.9.1. Liquidity Providers
- 1.9.2. Yield Aggregation Strategies
- 1.9.3. Profit Maximization in DeFi

### 1.10. Future of Lending and Staking

- 1.10.1. Emerging Trends in Lending and Staking
- 1.10.2. Integration with the Global Economy
- 1.10.3. Long-Term Outlook

#### Module 2. Yield Farming applied to DeFi 2.2. Yield Farming Platforms 2.1. Yield Maximization Strategies 2.3. Risk Management in Yield Farming 2.4. Yield Maximization Strategies and Protocols 2.1.1. Yield Farming with Tokens 2.3.1. Risks Inherent in Yield Farming 2.4.1. Basic Yield Farm Strategies 2.1.2. Advanced Yield Farming Strategies 2.3.2. Risk Mitigation Strategies 2.4.2. Advanced Yield Farm Strategies 2.2.1. Ethereum and Binance Smart Chain (BSC) 2.1.3. Optimization of Liquidity Provider 2.3.3. Loss Case Studies in Yield Farming 2.4.3. Yield Farming Tools and Services 2.2.2. PancakeSwap, Uniswap and SushiSwap Reward Harvesting 2.2.3. Emerging Yield Farming Platforms 2.7. Successful Case Studies 2.5. International Tax and Regulatory 2.6. Recent Trends and Developments 2.8. Future Outlook for Yield Farming **Implications** in DeFi 2.7.1. Case Study 1: Yearn Finance 2.8.1. Scalability and Sustainability 2.7.2. Case Study 2: Compound Finance 2.8.2. Mergers and Acquisitions in the DeFi Space 2.5.1. DeFi and Tax Regulations 2.6.1. Innovations in DeFi 2.7.3. Case Study 3: Aave 2.8.3. Interoperability with Other Blockchains 2.6.2. Layer Integration 2.5.2. Tax Returns for Yield Farmers 2.6.3. Developments in the NFT Space and its 2.5.3. Regulatory Compliance in Yield Farming Relation to Yield Farming 2.9. Technical Challenges and Solutions 2.10. Practical Exercises of Yield Farming in Yield Farming 2.10.1. Creating a DeFi Wallet 2.10.2. Participating in a Yield Farming Platform 2.9.1. Solving Impermanent Loss Problems 2.10.3. Analysis of Results and Lessons Learned 2.9.2. AMM (Automated Market Maker) and Slippage Strategies

2.9.3. Innovations in DeFi Protocols

### tech 26 | Structure and Content

### Module 3. Cryptographic Derivatives and Advanced Trading Strategies

#### 3.1. Cryptocurrency Options

- 3.1.1. Options Trading Strategies
- 3.1.2. Implementation and Management of Options in DeFi
- 3.1.3. Practical Examples

#### 3.2. Cryptocurrency Perpetual **Future Contracts**

- 3.2.1. DeFi Futures Trading
- 3.2.2. Perpetuals and their Application in the Crypto Market
- 3.2.3. Advanced Strategies with Perpetual Future Contracts

### 3.3. Hedding Strategies and Risk Management

- 3.3.1. Hedding Strategies in Cryptocurrency Trading
- 3.3.2. Risk Management in the DeFi Ecosystem
- 3.3.3. Case Studies and Practical Examples

#### 3.4. Leverage and Financing in DeFi

- 3.4.1. Leverage in Cryptocurrency Trading
- 3.4.2. Lending and Financing in DeFi for Advanced Strategies
- 3.4.3. Relevant Platforms and Protocols

#### 3.5. Technological Developments and Trends in Cryptocurrency **Derivatives**

- 3.5.1. Technological Innovations in Derivatives
- 3.5.2. Emerging Trends in Advanced Trading
- 3.5.3. Interoperability and the Future of Derivatives in the Cryptocurrency Space

### 3.6. Risks and Challenges of Advanced Trading

- 3.6.1. Risks associated with Advanced Strategies
- 3.6.2. Legal and Regulatory Aspects of Cryptocurrency Trading
- 3.6.3. Safety Measures and Best Practices

### 3.7. Case Studies in Advanced Cryptocurrency Trading

- 3.7.1. Examples of Successful Strategies
- 3.7.2. Lessons Learned from Past Challenges
- 3.7.3. Risk and Reward Analysis in Advanced Trading

### 3.8. New Markets and Opportunities in Cryptocurrencies and DeFi

- 3.8.2. Identification of Opportunities in the DeFi Ecosystem
- in Cryptocurrencies

### 3.9. Practices and Ethics in Advanced Trading

- 3.9.1. Best Practices in Advanced Trading
- 3.9.2. Ethics and Responsibility in Cryptocurrency Trading
- 3.9.3. Sustainable Strategies in the Cryptocurrency Space

### 3.10. Future Outlook and Challenges

- 3.10.1. Anticipated Developments in Advanced
- 3.10.2. Challenges Facing the Cryptocurrency Space
- 3.10.3. Long-Term Outlook for Advanced Trading in Cryptocurrencies

- 3.8.1. New Cryptocurrency Markets
- 3.8.3. Advanced Investment Strategies





This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.** 

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.





### tech 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.

This program offers the best educational material, prepared with professionals in mind:



#### **Study Material**

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



#### **Classes**

There is scientific evidence suggesting that observing third-party experts can be useful.

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



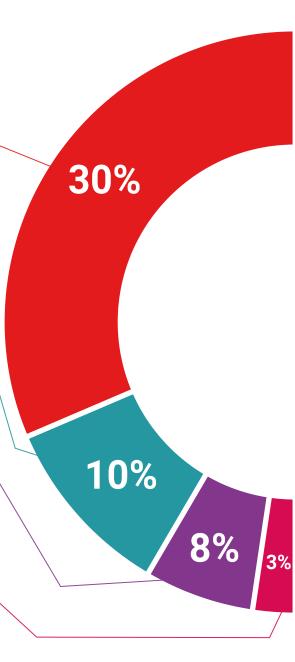
### **Management Skills Exercises**

They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager needs to develop in the context of the globalization we live in.



### **Additional Reading**

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best senior management specialists in the world.



#### **Interactive Summaries**

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

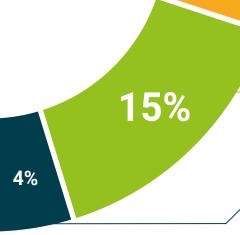


This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

### **Testing & Retesting**

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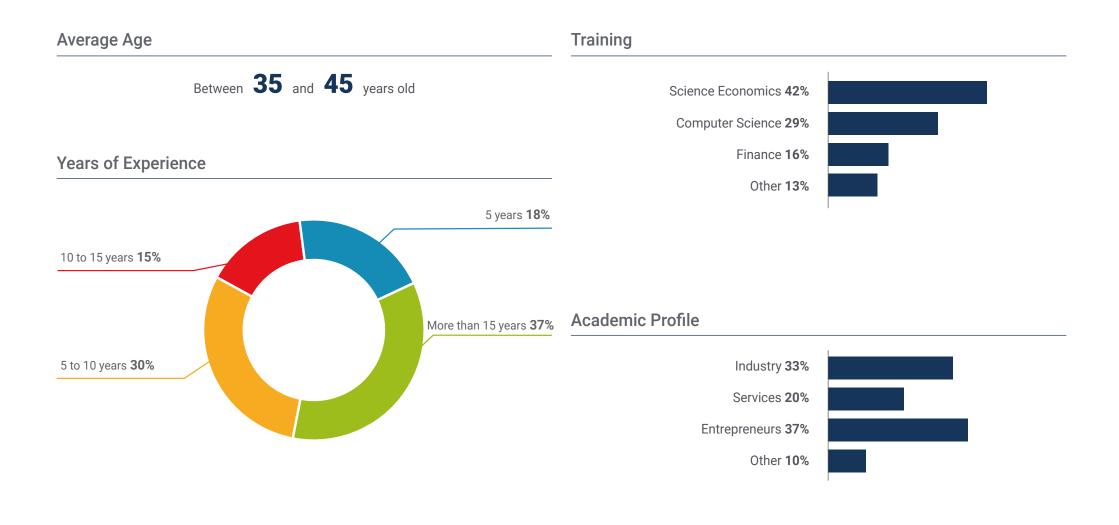
We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



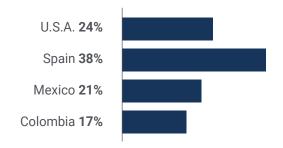
30%







## **Geographical Distribution**





## Sandra Martínez Villanueva

#### Financial entrepreneur

"I would like to express my gratitude with all the faculty who contributed to making this program so valuable and useful. I am thrilled at the wide range of opportunities that are opening up to me because of this Postgraduate Diploma"





## 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. Osuna Bravo, Marta

- Banking Manager at CaixaBank
- International Tax and Compliance Advisor
- Professor in Taxation of Cryptocurrency Trading
- Expert in Technical and conceptual bases for the preparation of tax processes and tax returns
- Graduate in Law from the University of Seville.

#### Mr. Palma Sánchez, Alejandro

- Cryptocurrency Training Director
- Specialist in Advanced Cryptocurrency Trading
- Expert in Quantitative Data Analysis Techniques in Social Sciences
- Master's Degree in Applied Economic Analysis from the University of Alcalá de Henares
- Degree in Economics from the University of Seville







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

TECH's Postgraduate Diploma in Advanced Trading in DeFi and Passive Income is an intensive program that prepares you to face challenges and business decisions in the field of Decentralized Finance. The main purpose is to promote your personal and professional growth. In short, to help you fulfill your career ambitions.

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.

This university program will keep you up to date with advances in technological innovations in derivatives. Bet on TECH!

Don't miss the opportunity to boost your career through this comprehensive program.

## Time of Change



## Type of change



## Salary increase

This program represents a salary increase of more than 26.24% for our students

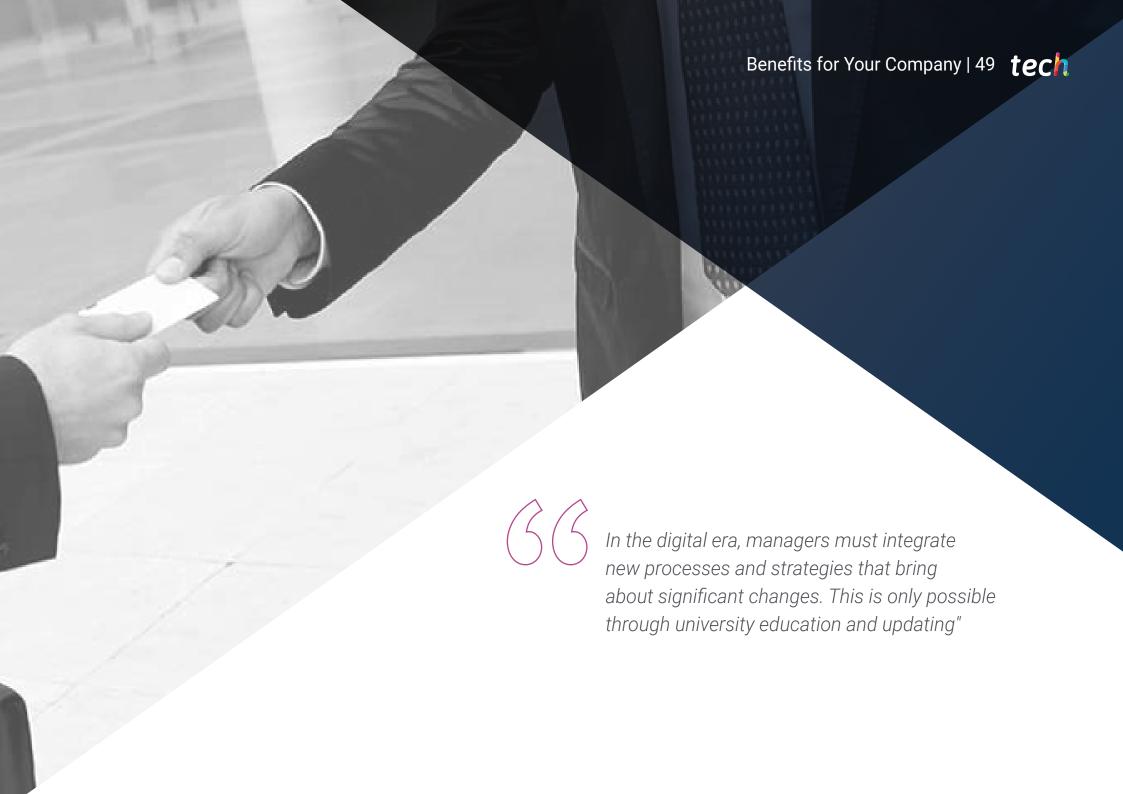
\$52,000

A salary increase of

26.24%

\$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

This **Postgraduate Diploma in Advanced Trading in DeFi and Passive Income** contains the most complete and up-to-date scientific 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 Advanced Trading in DeFi and Passive Income
Official N° of Hours: **450 h.** 



<sup>\*</sup>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.

technological university



## Postgraduate Diploma Advanced Trading in DeFi and Passive Income

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