Executive Master's Degree

DeFi and Passive Income

MDPI

tech technological university

tech technological university

Executive Master's Degree
DeFi and Passive Income

- Modality: **online**
- Duration: **12 months**
- Certificate: **TECH Technological University**
- Dedication: **16h/week**
- Schedule: **at your own pace**
- Exams: **online**
- Aimed at: **University graduates who have previously completed any of the qualifications in the field of Computer Science, Economics, Finance, Technology, Innovation or *Blockchain* Research**

Website: **www.techtitute.com/us/shool-of-business/executive-master-degree/master-defi-passive-income**

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Welcome

Decentralized Finance (DeFi) and Passive Income have become increasingly important in both the financial and economic spheres. The main reason is that they offer the opportunity to carry out transactions and access services without the need for traditional intermediaries, such as banks. In addition, these operations have a high level of security, which prevents data manipulation. Users therefore enjoy a greater degree of autonomy and control over their assets. In this context, this university program will enable entrepreneurs to face challenges and take advantage of the possibilities offered by the DeFi sector. To this end, the syllabus will provide them with the skills and competencies to generate passive income in an intelligent way.

Executive Master's Degree in DeFi and Passive Income
TECH Technological University

You will master the most effective strategies of cryptographic derivatives in the best digital university in the world, according to Forbes"

02

Why Study at TECH?

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

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

At TECH 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
executives prepared each year

+200
different nationalities

Empowerment

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

+500 | **collaborative agreements with leading companies**

Talent

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

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

Multicultural Context

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

TECH students represent more than 200 different nationalities.

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"

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.

03

Why Our Program?

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

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

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

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

01

A Strong Boost to Your Career

By studying at TECH, students will be able to take control of their future and develop their full potential. By completing this program, students will acquire the skills required to make a positive change in their career in a short period of time.

70% of students achieve positive career development in less than 2 years.

02

Develop a strategic and global vision of the company

TECH offers an in-depth overview of general management to understand how each decision affects each of the company's different functional fields.

Our global vision of companies will improve your strategic vision.

03

Consolidate the student's senior management skills

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

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

04

You will take on new responsibilities

The program will cover the latest trends, advances and strategies, so that students can carry out their professional work in a changing environment.

45% of graduates are promoted internally.

05

Access to a powerful network of contacts

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

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

06

Thoroughly develop business projects.

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

20% of our students develop their own business idea.

07

Improve *soft skills* and management skills

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

Improve your communication and leadership skills and enhance your career.

08

You will be part of an exclusive community

Students will be part of a community of elite executives, large companies, renowned institutions, and qualified teachers from the most prestigious universities in the world: the TECH Technological University community.

We give you the opportunity to study with a team of world-renowned teachers.

04

Objectives

This syllabus, designed by a distinguished faculty, will enable graduates to become experts in cryptocurrencies and *blockchain*. In addition to generating passive income, students will analyze real case studies, to learn from concrete experiences and apply that knowledge in practical Passive Income situations. After completing the training, the entrepreneur will be highly qualified to identify new DeFi investment opportunities in the crypto ecosystem.

You will achieve your objectives thanks to TECH's didactic tools, among which the explanatory videos and interactive summaries stand out"

TECH makes the goals of their students their own goals too
Working together to achieve them

The **Executive Master's Degree in DeFi and Passive Income** will enable the students to:

01 Understand advanced strategies in DeFi and Passive Income in the cryptocurrency and blockchain ecosystem

02 Identify the advantages of DeFi, including global access and transparency, and analyzing challenges, such as security and regulation

03 Investigate case studies of hacks and losses of funds related to digital wallets, to learn from common mistakes

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

05 Know the essential strategies and tools used in yield farming, in order to maximize returns on cryptocurrency investments

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

07 Evaluating and selecting suitable assets for tokenization

08 Encourage proper risk management in DeFi and promote security practices for asset protection

09 Analyze how DeFi is redefining financial transactions, economic inclusion and traditional intermediation

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

05

Skills

DeFi represents one of the most exciting financial innovations of the digital age. To realize optimal strategies in this field, it is essential to have mathematical skills and acquire a deep knowledge in both *blockchain* and cryptocurrencies. Therefore, during this program, students will have at their disposal a wide range of tools with which to effectively navigate the universe of passive income. In addition, they will explore current trends, allowing them to innovate in their jobs in the short term.

You will acquire an entrepreneurial mindset and be able to diversify your assets to make strategic investment decisions"

01 Maximize passive income through effective implementation of DeFi strategies

02 Apply the latest trends in yield farming and participation in DAOs

03 Master the variety of digital wallets, executing rigorous security practices

04 Master the most popular lending and stakingplatforms, using them efficiently

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

06 Preparing your own investment strategy and adapting to changing trends in the DeFi space

06

Structure and Content

The Executive Master's Degree in DeFi and Passive Income is based on a methodology in a 100% online format to adapt to the agendas of busy professionals. In this line, students will adapt the schedules and evaluation chronograms to their personal circumstances. In addition, the syllabus is complemented by a library full of multimedia resources to enrich learning (explanatory videos, interactive summaries, infographics, etc.).

Forget about memorizing!
With the Relearning methodology
you will integrate the concepts
in a natural and progressive way"

Syllabus

The Executive Master's Degree in DeFi and Passive Income is an intensive program that will provide the entrepreneurs with a deep understanding of decentralized financial technology and how to leverage it to generate passive income in the world of digital finance. Structured in 10 modules, the syllabus will address essential aspects in order to implement the best strategies to invest in cryptocurrencies safely.

Through 1,500 hours of training, students will be prepared to face real-world challenges in the field of DeFi and Passive Income. Backed by the best faculty, graduates will evaluate the risks associated with these activities and make investment decisions from a holistic approach.

This syllabus will thoroughly analyze the most effective tactics in decentralized finance, ranging from *staking and yield farming* strategies to yield optimization. Professionals will thus understand the advantages of DeFi, including its global access and transparency.

This is an academic pathway aimed at achieving the highest level of excellence in the financial landscape. In this way, they will delve into a new way of understanding the economy, while making the most of the business opportunities that arise around the *crypto*world.

This Executive Master's Degree takes place over 12 months andis divided into 10 modules:

Module 1	Advanced DeFi and Passive Income Strategies
Module 2	DeFi, Wallets and Security
Module 3	Lending and Staking applied to DeFi
Module 4	*Yield Farming* applied to DeFi
Module 5	Liquidity and Decentralized Markets (DEX)
Module 6	Tokenization of assets applied to DeFi and Passive Income
Module 7	Passive Investment Strategies
Module 8	NFTs and DeFi
Module 9	Cryptographic Derivatives Strategies and Advanced Trading
Module 10	Integration of DeFi into traditional investment strategies

Where, When and How is it Taught?

TECH offers the possibility of developing this Executive Master's Degree in DeFi and Passive Income completely online. Throughout the 12 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.

Module 1. Advanced DeFi and Passive Income Strategies

1.1. Optimization of Passive Revenues
1.1.1. *Staking and Yield Farming* Strategies
1.1.2. Yield Optimization in Liquidity *Pools*
1.1.3. Revenue generation strategies with NFTs and DeFi *tokens*

1.2. Risk management in DeFi
1.2.1. Risk assessment in DeFi protocols
1.2.2. Portfolio diversification and loss mitigation
1.2.3. Security tools and practices in DeFi

1.3. Financing and lending in DeFi
1.3.1. Lending and collateralization platforms
1.3.2. Leverage strategies at DeFi
1.3.3. Debt management and automatic payments

1.4. Arbitrage strategies
1.4.1. Identification of arbitrage opportunities in DeFi
1.4.2. Tools and strategies for executing successful arbitrations
1.4.3. Risks associated with DeFi arbitration

1.5. Innovations in Passive Income
1.5.1. *Yield Farming* in emerging protocols
1.5.2. Participation in DAOs for passive income
1.5.3. Exploration of NFT projects and their potential for revenue generation

1.6. Taxation in the DeFi world
1.6.1. Tax implications of DeFi transactions
1.6.2. Compliance and reporting of cryptocurrency revenues
1.6.3. Legal and tax advice on DeFi

1.7. Exit and withdrawal strategies
1.7.1. Exit planning of DeFi investments
1.7.2. Strategies to secure gains and minimize losses
1.7.3. Safe and efficient withdrawal of assets

1.8. Passive Income Success Stories
1.8.1. Case studies of projects that have achieved significant Passive Income
1.8.2. Lessons learned from successful strategies
1.8.3. Case studies of successful *Staking and Yield Farming* Strategies

1.9. Development of a personal strategy in DeFi
1.9.1. Definition of financial and investment objectives
1.9.2. Creation of a diversified and sustainable portfolio
1.9.3. Adapting to changing trends in the DeFi space

1.10. Integration of DeFi into traditional investment strategies
1.10.1. Incorporation of DeFi into a traditional investment portfolio
1.10.2. Diversification strategies that include digital assets
1.10.3. Importance of long term planning in DeFi and passive income

Module 2. DeFi, *Wallets* and Security

2.1. Multi-signature wallets: Strengthening security
2.1.1. Functioning of multi-signature wallets
2.1.2. Implementation of multi-signature wallets in transactions
2.1.3. Examples of cases in which multi-signature wallets have prevented fraud and losses

2.2. Wallet management in mobile devices
2.2.1. Mobile wallets
2.2.2. Wallet applications on iOS and Android devices
2.2.3. Security and best practices in the use of mobile wallets

2.3. Configuration and secure use of digital wallets
2.3.1. Creating a wallet
2.3.2. Private key management
2.3.3. Performing secure transactions

2.4. Cryptocurrencies and wallets
2.4.1. Storage of *Bitcoin* and other popular cryptocurrencies
2.4.2. Compatibility of wallets with different tokens
2.4.3. Multifunctional versus coin-specific wallets

2.5. Security measures for digital wallets
2.5.1. Two-factor authentication (2FA)
2.5.2. Secure passwords and password management practices
2.5.3. Suspicious activity monitoring and alerts

2.6. Hacking and loss of funds case studies
2.6.1. Examples of famous *hacks*
2.6.2. Common causes of loss of funds
2.6.3. Lessons learned from past incidents

2.7. Backup and recovery of funds
2.7.1. Importance of backups
2.7.2. Lost wallet recovery procedures
2.7.3. Strategies to prevent unrecoverable loss

2.8. Online vs. Offline wallets
2.8.1. Advantages and disadvantages of each type
2.8.2. Use of wallets in different contexts
2.8.3. Risk mitigation strategies

2.9. Public and private keys in digital wallets
2.9.1. Operation of cryptographic keys
2.9.2. Importance of keeping private keys secure
2.9.3. Signing transactions with keys

2.10. Advanced security strategies
2.10.1. Cold storage and *hardware wallets*
2.10.2. *Segregated Witness* (*SegWit*) and its impact on security
2.10.3. Smart contracts and security in cryptocurrency wallets

Module 3. Lending and *Staking* applied to DeFi

3.1. Mechanisms of cryptocurrency loans
3.1.1. Collateralized loans
3.1.2. Uncollateralized loans (*flash loans*)
3.1.3. P2P lending platforms

3.2. Staking as validation and rewards
3.2.1. How *staking*works
3.2.2. Staking in *blockchain*network security
3.2.3. Reward generation

3.3. Economic implications of lending and staking
3.3.1. Profitability and risks
3.3.2. Comparison with traditional investments
3.3.3. Diversification of digital assets

3.4. Lending and *Staking* platforms
3.4.1. Selection of reliable platforms
3.4.2. Account registration and configuration
3.4.3. Participation in loans and *staking*

3.5. International legal and tax considerations
3.5.1. International jurisdictions and regulations
3.5.2. International cryptocurrency-related taxes
3.5.3. International regulatory compliance

3.6. Successful examples of lending and staking applied to DeFi
3.6.1. Examples of successful lending and *staking*
3.6.2. Lessons learned from past problems
3.6.3. Risks and rewards in practice

3.7. Advanced staking strategies
3.7.1. Maximization of rewards
3.7.2. Diversification Strategies
3.7.3. Risk and portfolio management

3.8. Security and private key practices
3.8.1. Private key protection in *staking*
3.8.2. Secure storage
3.8.3. Recovery of funds

3.9. Liquidity and performance strategies
3.9.1. *Liquidity providers*
3.9.2. Yield aggregation strategies
3.9.3. Profit maximization in DeFi

3.10. The future of lending and staking
3.10.1. Emerging trends in lending and *staking*
3.10.2. Integration with the global economy
3.10.3. Long-term outlook

Module 4. *Yield Farming* applied to DeFi

4.1. Yield maximization strategies
4.1.1. *Yield farming* with *tokens*
4.1.2. Advanced yield-enhancing farming strategies
4.1.3. Optimization of LP (Liquidity Provider) reward harvesting

4.2. Yield farming platforms and protocols
4.2.1. *Ethereum and binance smart chain* (BSC)
4.2.2. *PancakeSwap, uniswap and sushiSwap*
4.2.3. Emerging *yield farming* platforms

4.3. Risk management in *yield farming*
4.3.1. Inherent risks in *yield farming*
4.3.2. Risk mitigation strategies
4.3.3. Case studies of *yield farming* losses

4.4. Yield maximization strategies
4.4.1. Basic farm strategies
4.4.2. Advanced farm strategies
4.4.3. *Yield farming* tools and services

4.5. International tax and regulatory implications
4.5.1. DeFi and tax regulations
4.5.2. Tax reporting for *yield farmers*
4.5.3. Regulatory compliance in *yield farming*

4.6. Recent trends and developments in DeFi
4.6.1. Innovations in DeFi
4.6.2. Layer integration
4.6.3. Developments in NFT space and its relation to *yield farming*

4.7. Successful case studies
4.7.1. Case study 1: *Yearn finance*
4.7.2. Case study 2: *Compound Finance*
4.7.3. Case study 3: *Aave*

4.8. Future prospects for yield farming
4.8.1. Scalability and sustainability
4.8.2. Mergers and acquisitions in the DeFi space
4.8.3. Interoperability with other *blockchains*

4.9. Technical challenges and solutions in yield farming
4.9.1. Solving impermanence problems
4.9.2. AMM (*Automated Market Maker*) and *slippage* strategies
4.9.3. Innovations in DeFi protocols

4.10. Practical yield farming exercises
4.10.1. Creating a DeFi Wallet
4.10.2. Participation in a *yield farming* platform
4.10.3. Analysis of results and lessons learned

Module 5. Liquidity and Decentralized Markets (DEX)

5.1. Liquidity optimization strategies
5.1.1. Liquidity in DeFi protocols
5.1.2. Liquidity optimization strategies
5.1.3. Efficient asset utilization in *yield farming*

5.2. Decentralized Markets (DEX)
5.2.1. The decentralized market and its operation
5.2.2. Key differences between DEX and centralized exchange (CEX)
5.2.3. Types of DEX and their characteristics

5.3. Popular DEX platforms
5.3.1. *Uniswap* and its role in the DeFi Revolution
5.3.2. *SushiSwap* and its governance model
5.3.3. *PancakeSwap* and the DEX in the *Binance Smart Chain* (BSC)

5.4. Liquidity Providers in DEX
5.4.1. Role and motivations of Liquidity Providers (LP)
5.4.2. Strategies and risks associated with liquidity provision
5.4.3. LP tools and calculators

5.5. DEX in different*blockchains*
5.5.1. *Ethereum*based DEX (ERC-20)
5.5.2. DEX in *Binance Smart Chain* (BSC)
5.5.3. DEX on other *blockchains* (Solana, Polygon, etc.)

5.6. Risks and security measures in DEX
5.6.1. Common attacks and vulnerabilities in DEX
5.6.2. Security strategies for DEX users
5.6.3. Smart contract audits

5.7. Regulation and international legal framework in DEX
5.7.1. Legal considerations for DEX operators and users at the international level
5.7.2. Regulatory compliance in a DEX environment
5.7.3. Regulatory challenges in global markets

5.8. Interoperability and the future of DEX
5.8.1. The role of *bridges* in interoperability
5.8.2. Technological developments and upgrades in DEX
5.8.3. DEX trends and future perspectives

5.9. Practical exercises on DEX creation
5.9.1. Configuration of a DEX in a test network
5.9.2. Participating as a liquidity provider in a DEX
5.9.3. Analysis of results and lessons learned

5.10. Successful DEX Case Studies
5.10.1. Case study 1: *Uniswap* and the rise of AMMs
5.10.2. Case study 2: *PancakeSwap* and the *Binance Smart Chain* experience
5.10.3. Case study 3: *SushiSwap* and community governance

Module 6. Tokenization of assets applied to DeFi and Passive Income

6.1. Tokenization of physical assets in DeFi
6.1.1. Tokenization of real estate and passive income generation
6.1.2. DeFi platforms for investment in tokenized physical assets
6.1.3. Performance and risks in the tokenization of real assets

6.2. Tokenization of securities and stocks in the context of DeFi
6.2.1. Tokenization of company stocks and dividend generation
6.2.2. DeFi and company ownership participation
6.2.3. Development of DeFi projects focused on securities tokenization

6.3. Tokenization of art and collectibles in DeFi
6.3.1. Tokenization of artworks and passive gains
6.3.2. NFT and its role in investment and revenue generation
6.3.3. DeFi markets for cultural and collectible assets

6.4. DeFi platforms and solutions for tokenization
6.4.1. DeFi's leading platforms for asset tokenization
6.4.2. Interoperability of tokens in the DeFi ecosystem
6.4.3. Technical infrastructure and security measures in DeFi

6.5. Secondary markets and passive revenue generation in DeFi
6.5.1. Development of secondary markets in DeFi
6.5.2. Liquidity and revenue generation opportunities
6.5.3. Examples of passive investment and case studies in DeFi

6.6. Risks and challenges in tokenization in the DeFi context
6.6.1. International regulatory and legal challenges specific to DeFi
6.6.2. Security of tokenized assets in the DeFi ecosystem
6.6.3. Loss cases and lessons learned in DeFi

6.7. Trends and future of tokenization in the DeFi ecosystem
6.7.1. Emerging trends in asset tokenization in DeFi
6.7.2. DeFi integration with tokenized assets and revenue optimization
6.7.3. Future prospects for revenue generation in the DeFi ecosystem

6.8. DeFi passive revenue generation success stories
6.8.1. Success stories in real estate tokenization with DeFi
6.8.2. Successful experiences in stock investment with DeFi
6.8.3. Outstanding cases of passive income generation in tokenized art

6.9. International regulation in DeFi
6.9.1. Regulatory challenges and perspectives in the international context
6.9.2. Global regulators and their approach to DeFi
6.9.3. Regulatory harmonization and international standards

6.10. Practical exercises and applications of tokenization as applied to DeFi
6.10.1. Creation of tokens in a test network
6.10.2. Participation in a secondary token market
6.10.3. Design and presentation of a fictitious tokenization project

Module 7. Passive Investment Strategies

7.1. Passive investment in alternative asset classes
7.1.1. Passive real estate investment through REITs and tokens
7.1.2. Passive investment strategies in commodities and precious metals
7.1.3. Passive investment in cryptocurrencies and digital asset *tokens*

7.2. Passive investment factors and strategies
7.2.1. Factor-based strategies in passive investment
7.2.2. Passive investment based on value, growth and other factors
7.2.3. Use of factor ETFs and factor index funds

7.3. Passive investment in foreign exchange markets (Forex)
7.3.1. Passive investment in the foreign exchange market
7.3.2. Use of ETFs and currency funds for passive investment
7.3.3. Risks and opportunities in passive forex trading

7.4. Passive investment in the context of DeFi
7.4.1. Passive investment strategies on DeFi platforms
7.4.2. Liquidity and generation of passive income in DeFi
7.4.3. Challenges and risks in passive investment in the DeFi ecosystem

7.5. Passive investment strategies in emerging markets
7.5.1. Passive investment in emerging markets
7.5.2. Opportunities and risks in developing markets
7.5.3. ETFs and indexed funds focused on emerging markets

7.6. Passive investment strategies with crypto-assets
7.6.1. Passive investment in cryptocurrencies and digital tokens
7.6.2. Use of *staking* and *yield farming* in passive strategies
7.6.3. Passive investment strategies in NFT and collection *tokens*

7.7. Passive investment in DeFi projects
7.7.1. Passive participation in the governance of DeFi projects
7.7.2. Voting and decision making in decentralized projects
7.7.3. Benefits and risks of passive investment in DeFi

7.8. Development of customized passive strategies
7.8.1. Creation of customized passive portfolios
7.8.2. Tools and resources for planning passive strategies
7.8.3. Successful cases of customized passive investment strategies

7.9. International tax implications in passive investing
7.9.1. International tax considerations in passive investments
7.9.2. Global tax planning strategies for passive investors
7.9.3. International tax minimization in passive investment portfolios

7.10. Practical passive investment applications and case studies
7.10.1. Practical exercises in the creation of passive portfolios
7.10.2. Case studies of investors and funds that have been successful with passive strategies
7.10.3. The future of passive investment and its role in modern finance

Module 8. NFTs and DeFi

8.1. Non Fungible Token Technology (NFTs)
8.1.1. NFT Standards and Protocols
8.1.2. NFT markets and platforms
8.1.3. Technical operation of NFTs

8.2. NFT use cases
8.2.1. NFTs in digital art
8.2.2. NFTs in video games
8.2.3. Authentication and provenance of digital assets

8.3. Investment in NFTs
8.3.1. Investment opportunities and risks
8.3.2. Acquisition and sale strategies
8.3.3. NFTs as an asset class

8.4. Decentralized Finance (DeFi)
8.4.1. Loans in DeFi
8.4.2. Decentralized Exchanges (DEX)
8.4.3. *Yield farming and staking* in DeFi

8.5. Risk management in DeFi
8.5.1. Threats and vulnerabilities
8.5.2. Security measures in DeFi
8.5.3. Risk mitigation practices

8.6. Interoperability and synergies between NFTs and DeFi
8.6.1. Use of NFTs in DeFi applications
8.6.2. NFTs as collateral in DeFi loans
8.6.3. Creation of DeFi asset-backed NFTs

8.7. Intellectual property and NFTs
8.7.1. Legal and ethical implications
8.7.2. Copyright and NFT licenses
8.7.3. Notable cases of intellectual property in NFTs

8.8. Financial inclusion and disintermediation at DeFi
8.8.1. Global access to financial services
8.8.2. Reduction of intermediaries in financial transactions
8.8.3. DeFi as a tool for economic empowerment

8.9. Trends and future of NFTs and DeFi
8.9.1. Technological evolution and adoption of NFTs and DeFi
8.9.2. New applications and emerging ecosystems
8.9.3. Future challenges and opportunities

8.10. Ethics and sustainability in the use of NFTs and DeFi
8.10.1. Ethical Considerations in NFTs and DeFi
8.10.2. Environmental impact of *blockchain* and cryptocurrencies
8.10.3. Sustainable approaches in the crypto space

Module 9. Cryptographic Derivatives Strategies and Advanced Trading

9.1. Cryptographic options
9.1.1. Options *trading* strategies
9.1.2. Implementation and management of options in DeFi
9.1.3. Practical Examples

9.2. Cryptocurrency futures and perpetuals
9.2.1. DeFi futures trading
9.2.2. Perpetuals and their application in the cryptographic market
9.2.3. Advanced strategies with futures and perpetuals

9.3. Hedging and risk management strategies
9.3.1. Hedging strategies in cryptographic operations
9.3.2. Risk management in the DeFi ecosystem
9.3.3. Case studies and practical examples

9.4. Leverage and financing in DeFi
9.4.1. Leverage in cryptographic operations
9.4.2. Borrowing and financing in DeFi for advanced strategies
9.4.3. Relevant platforms and protocols

9.5. Technological Developments and Trends in Cryptographic Derivatives
9.5.1. Technological innovations in derivatives
9.5.2. Emerging trends in advanced operations
9.5.3. Interoperability and the future of derivatives in the cryptographic space

9.6. Risks and challenges of advanced trading
9.6.1. Risks associated with advanced strategies
9.6.2. Legal and regulatory aspects of cryptographic transactions
9.6.3. Security measures and best practices

9.7. Case studies in advanced cryptographic operations
9.7.1. Examples of successful strategies
9.7.2. Lessons learned from past challenges
9.7.3. Risk and reward analysis in advanced operations

9.8. New markets and opportunities in cryptocurrencies and DeFi
9.8.1. New cryptographic markets
9.8.2. Identification of opportunities in the DeFi ecosystem
9.8.3. Advanced investment strategies in cryptocurrencies

9.9. Practices and ethics in advanced operations
9.9.1. Recommended practices in advanced trading
9.9.2. Ethics and responsibility in cryptographic *trading*
9.9.3. Sustainable strategies in the cryptographic space

9.10. Future prospects and challenges
9.10.1. Anticipated developments in advanced operations
9.10.2. Challenges and challenges facing the cryptographic space
9.10.3. Long-term outlook for advanced trading in cryptocurrencies

Module 10. Integration of DeFi into traditional investment strategies

10.1. Successful case studies with DeFi development and passive income
10.1.1. *Bitcoin*: The pioneering digital currency
10.1.2. *Ethereum* and smart contracts
10.1.3. Factors behind the success of these cryptocurrencies

10.2. Supply chain transformation with blockchain and DeFi
10.2.1. Product tracking success stories
10.2.2. Blockchain management in logistics
10.2.3. Impact on efficiency and transparency

10.3. Financial innovation with cryptocurrencies, DeFi and passive income
10.3.1. Cryptocurrencies and the banking sector
10.3.2. DeFi and access to financial services
10.3.3. Notable cases of financial innovation

10.4. Blockchain in the healthcare industry applied to DeFi
10.4.1. Electronic medical records in *blockchain*
10.4.2. Tracking of drugs and medical devices
10.4.3. Improved security and privacy of healthcare data

10.5. Success of cryptocurrency and DeFi companies
10.5.1. Cases of cryptocurrency exchanges
10.5.2. Digital wallets and their role in adoption
10.5.3. Marketing and growth strategies

10.6. Blockchain in the public sector applied to DeFi
10.6.1. Implementation of *blockchain* in governments
10.6.2. Successful cases of public administration
10.6.3. Benefits and challenges in government adoption

10.7. Innovation in education with blockchain and DeFi
10.7.1. *Blockchain*based learning platforms
10.7.2. Certifications and degree verification
10.7.3. Outstanding cases of *blockchain* based education

10.8. Tokenization of real assets on DeFi platforms
10.8.1. Tokenization of real assets
10.8.2. Tokenized financial assets
10.8.3. Advantages and challenges in the tokenization of real assets

10.9. Cryptocurrencies and micropayments with passive income
10.9.1. Use of cryptocurrencies in micropayments
10.9.2. Applications in digital content and games
10.9.3. Impact on the digital economy

10.10. Emerging and future use cases in DeFi
10.10.1. Exploration of emerging projects and technologies
10.10.2. Trends and predictions for the future of cryptocurrencies and *blockchain*
10.10.3. Challenges and opportunities in the evolving field

07

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"

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.

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

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.

Relearning Methodology

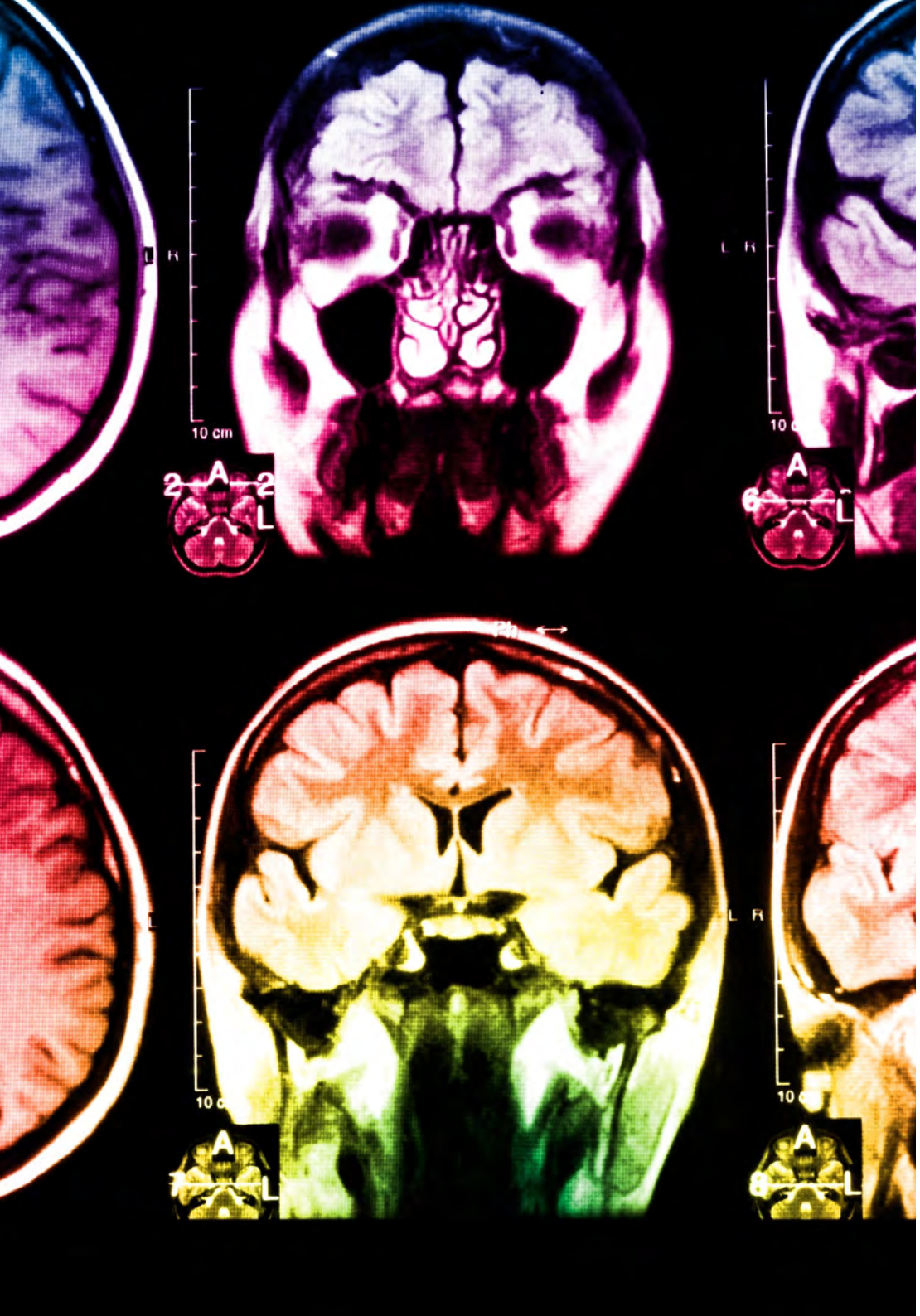
TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

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.



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.

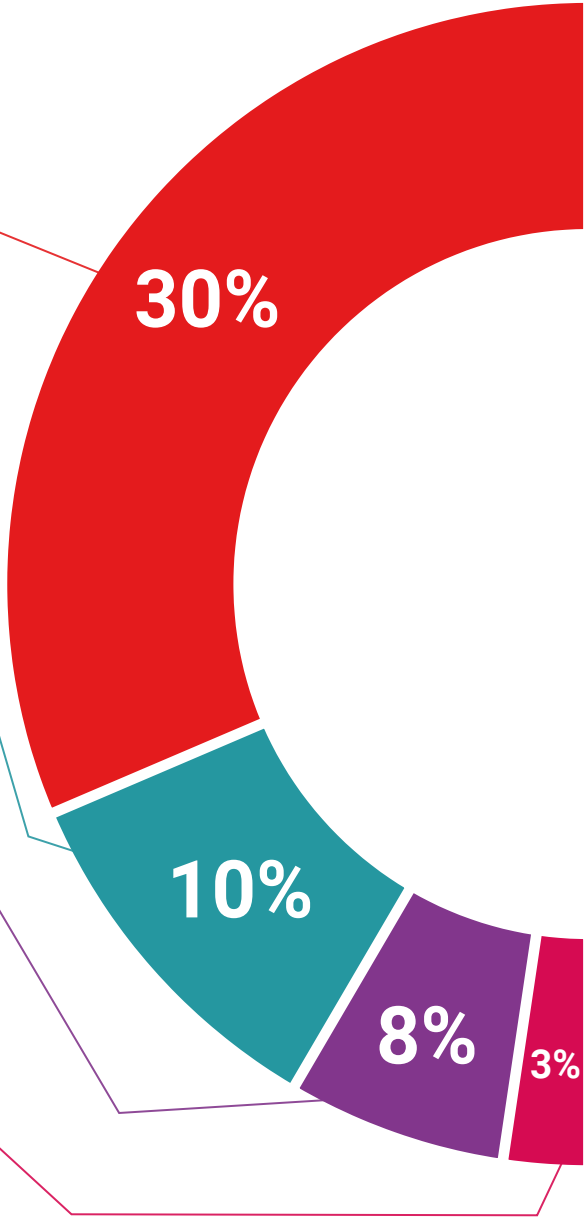
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

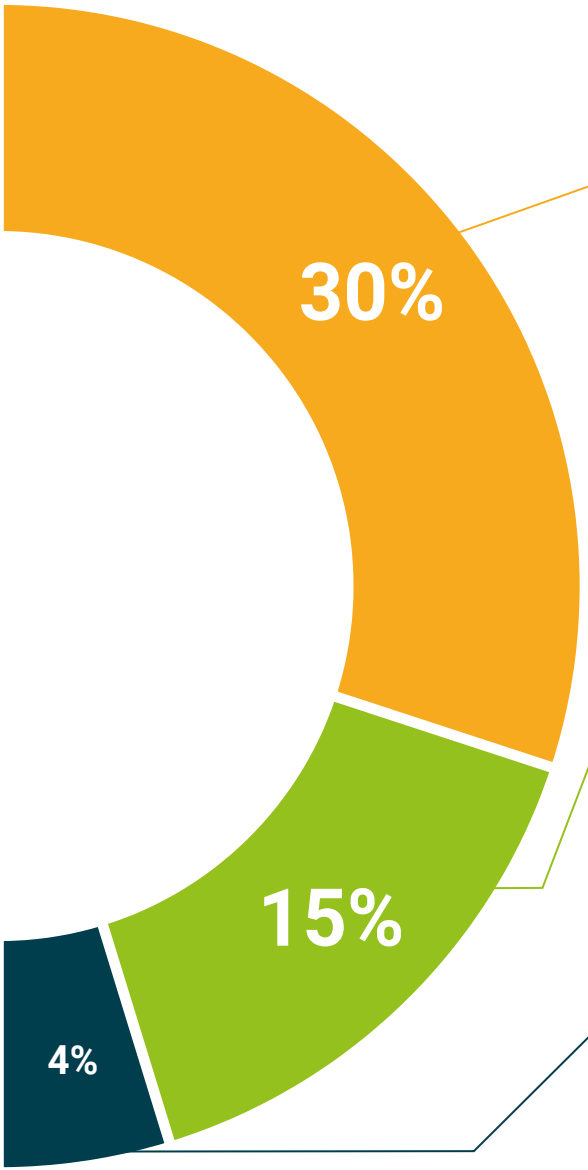
Management Skills Exercises

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.





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 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.

08

Our Students' Profiles

The Executive Master's Degree is aimed at university graduates, postgraduates and degree holders who have previously completed any of the qualifications in the field of Computer Science, Economics, Finance, Technology, Innovation or Research in *Blockchain*.

This program uses a multidisciplinary approach as the students have a diverse set of academic profiles and represent multiple nationalities.

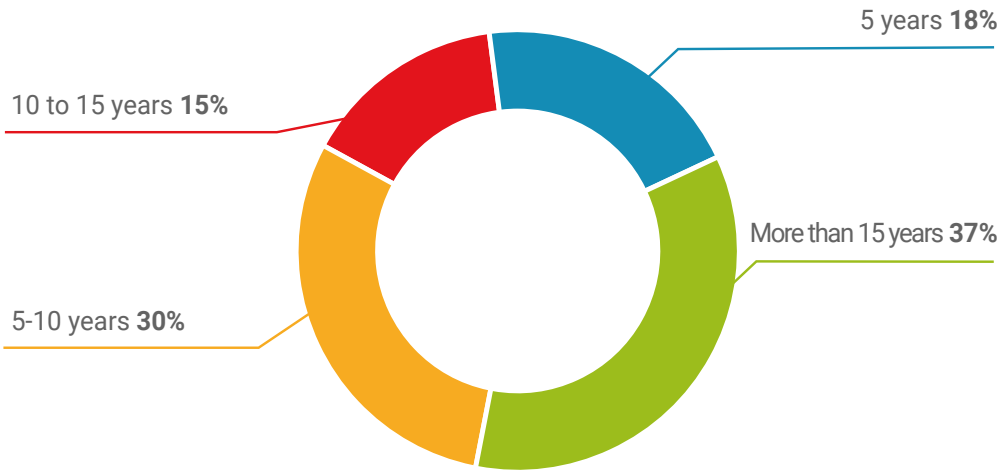
Professionals who, being university graduates in any area, have three years of work experience in the field of entrepreneurship and project development, can also take the Executive Master's Degree.

Do you want to learn about the latest trends in investment strategies? Achieve it thanks to this innovative program"

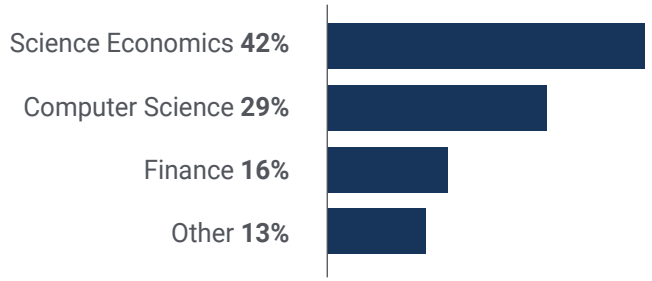
Average Age

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

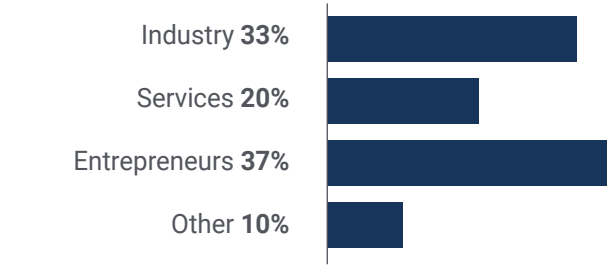
Years of Experience



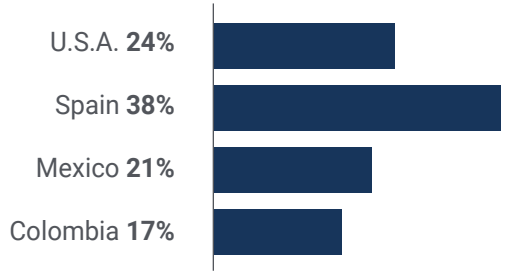
Training



Academic Profile



Geographical Distribution



Marcos Expósito Gutiérrez

Computer Scientist and Innovation Technician

"This program has not only strengthened my understanding of DeFi and Passive Income, but has also opened up new opportunities in my professional career. It has certainly been an enriching educational experience that has had a transformative impact on my knowledge."

09

Course Management

In its commitment to offer the highest quality education, TECH has assembled a prestigious teaching staff. These experts in DeFi and Passive Income have extensive work experience, which has allowed them to deepen their knowledge and stay at the forefront of technology in this field. In this way, with this program, students will be highly prepared to take a professional leap in their career, in a booming IT industry.

You will have the support of a teaching staff made up of distinguished professionals in the economic sector"

Management

Mr. Hernández Blanco, Miguel

- CEO at Traders Business School
- *Financial Trader*
- COO *Trading Mentor*
- Postgraduate Diploma 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 y Fintech* by the European Institute of Business School
- Graduate in Economics from the University of Seville

Professors

Mr. Palma Sánchez, Alejandro

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

Ms. Osuna Bravo, Marta

- Banking Manager at CaixaBank
- International Tax and Compliance Advisor
- Teacher of Cryptocurrency *Trading* Taxation
- Postgraduate Diploma in Technical and conceptual bases for the elaboration of tax processes and declarations.
- Graduate in Law from the University of Seville

Ms. Fernández Olmedo, María Isabel

- Specialist in Economic History and the Financial Sector
- Professor of Economic History and its Impact on Markets
- Official Master's Degree in Teaching MAES by the University of Nebrija
- Graduate in History from the Pablo de Olavide University

Mr. Villa Damas, Alejandro

- Risk Analyst at Servinform
- COO at Roommates
- External Advisor for Corporate Strategy and Expansion
- Specialist in Technical and Conceptual Bases for the Elaboration of Scientific Articles
- Official Master's Degree in Trading and Stock Exchange by Traders Business School
- Graduate 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"

10

Impact on Your Career

This Executive Master's Degree in DeFi and Passive Income aims to guarantee a notable impact on the professional career of its students. For this reason, the teaching team that is part of the program has developed an academic itinerary where the quality of the contents and the acquisition of new skills are a priority. Graduates will therefore be up to date with all the advances that have taken place in this field, which is evolving by leaps and bounds. In addition, the innovative teaching methodology integrated by TECH in their degrees will allow them to achieve their professional goals in an optimal way.

This university program will allow you to fulfill your professional aspirations in just 12 months. Enroll now!"

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

TECH's Executive Master's Degree in DeFi and Passive Income is an intensive program that prepares you to face challenges and business decisions in the field of Decentralized Finance. Its main objective is to promote your personal and professional Helping you achieve success.

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

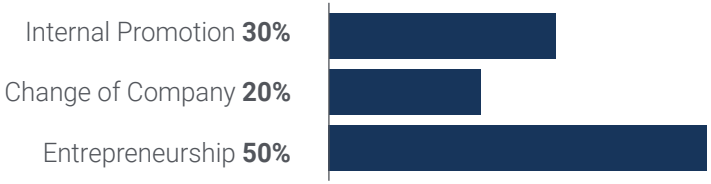
Do you want to experience a quality leap in your knowledge? With TECH you will acquire an original vision by combining traditional investment strategies with the most contemporary ones.

Take this opportunity to get up to speed on the latest trends in Wallets and security.

When the change occurs

During the program	During the first year	After 2 years
11%	**63%**	**26%**

Type of change



Salary increase

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

11

Benefits for Your Company

This program contributes to elevating the organization's talent to its maximum potential through the instruction of high-level leaders.

In addition, participating in this university option is a unique opportunity to access a powerful network of contacts in which to find future professional partners, customers or suppliers.

In the digital era, managers must integrate new processes and strategies that bring about significant changes and organizational development. This is only possible through university training and updating"

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

01

Growth of talent and intellectual capital

The professional will introduce the company to new concepts, strategies, and perspectives that can bring about significant changes in the organization.

02

Retaining high-potential executives to avoid talent drain

This program strengthens the link between the company and the professional and opens new avenues for professional growth within the company.

03

Building agents of change

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

04

Increased international expansion possibilities

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

05

Project Development

The professional can work on a real project or develop new projects in the field of R & D or business development of your company.

06

Increased competitiveness

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

12

Certificate

The Executive Master's Degree in DeFi and Passive Income guarantees students, in addition to the most rigorous and up-to-date education, access to a Executive Master's Degree issued by TECH Technological University.

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

This **Executive Master's Degree in DeFi and Passive Income** contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding **Executive Master's Degree** issued by **TECH Technological University** via tracked delivery*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Executive Master's Degree, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Executive Master's Degree in DeFi and Passive Income**

Official Nº of Hours: **1.500 h.**


tech technological university

Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having successfully passed and accredited the following program

EXECUTIVE MASTER'S DEGREE

in

DeFi and Passive Income

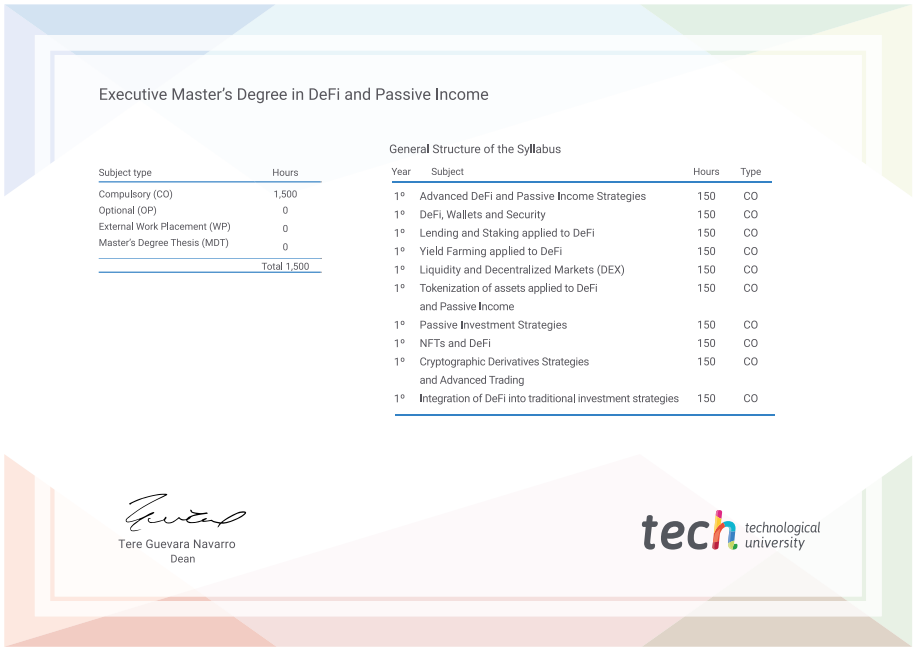
This is a qualification awarded by this University, equivalent to 1,500 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

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


Executive Master's Degree in DeFi and Passive Income

Subject type	Hours
Compulsory (CO)	1,500
Optional (OP)	0
External Work Placement (WP)	0
Master's Degree Thesis (MDT)	0
	Total 1,500

General Structure of the Syllabus

Year	Subject	Hours	Type
1º	Advanced DeFi and Passive Income Strategies	150	CO
1º	DeFi, Wallets and Security	150	CO
1º	Lending and Staking applied to DeFi	150	CO
1º	Yield Farming applied to DeFi	150	CO
1º	Liquidity and Decentralized Markets (DEX)	150	CO
1º	Tokenization of assets applied to DeFi and Passive Income	150	CO
1º	Passive Investment Strategies	150	CO
1º	NFTs and DeFi	150	CO
1º	Cryptographic Derivatives Strategies and Advanced Trading	150	CO
1º	Integration of DeFi into traditional investment strategies	150	CO

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Dean

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

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Executive Master's Degree

DeFi and Passive Income

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

Executive Master's Degree

DeFi and Passive Income

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