

# Postgraduate Certificate Decentralized Investment and Finance in the Metaverse



## Postgraduate Certificate Decentralized Investment and Finance in the Metaverse

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/in/information-technology/postgraduate-certificate/decentralized-investment-finance-metaverse](http://www.techtute.com/in/information-technology/postgraduate-certificate/decentralized-investment-finance-metaverse)

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# 01

# Introduction

Online finance is still a debatable issue among experts, and with the expansion of the Metaverse, cryptocurrencies have also been incorporated. This digital context promotes transactions with fictitious currencies that promise large long-term returns for investors. However, there is still a long way to go to develop a system that takes care of customer confidentiality and security on the network, as well as the regulation of proxies in a purely decentralized economy. For this reason, companies are looking for experts who are highly qualified in DeFi business models applied to the Metaverse, financial concepts and the elements involved in this paradigm, such as platforms and Token Economics, among many other issues. TECH has developed a 100% online program that focuses on the decentralized finances of the Metaverse in order to expand and refine the managements of today's computer scientists.







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*With this Postgraduate Certificate, you can master Metaverse-focused Defi governance in as little as six weeks”*

The growing interest of investors in betting on a paradigm that promises great economic benefits in the future means that specialists need to be aware of finance in the Metaverse and its issues. Never before has so much observation been generated around such variable incentives. For this reason, today's computer scientists must master all the key tools of cyberspace in order to be able to intervene in a future that is getting closer and closer.

For this reason, TECH has developed a purely digital degree that delves into DeFi and its future, as well as the growth of the Metaverse. This is a program that aims expand and update the knowledge of graduates in Computer Science to specialize in the area of digital investment and business models in Web 3.0. All this, through the learning provided by the experienced professionals selected by TECH to develop the content of the program and teach it to the students. In addition to this, students will have a direct line of communication with teachers to resolve any doubts or questions they may have about their learning.

Likewise, TECH Technological University applies the *Relearning* methodology, which exempts the student from long hours of memorization and achieves a gradual and simple assimilation of the contents. The development in this sector requires the understanding of the different variables that make up this ecosystem, and TECH achieves this by betting on a 100% online education that has all the tools and facilities to specialize in Metaverse through study supported by professionals.

This **Postgraduate Certificate in Decentralized Investment and Finance in the Metaverse** contains the most complete and up-to-date program on the market. The most important features include:

- ◆ Up-to-date case studies provided by experts in the Metaverse, *Blockchain* and Web 3.0
- ◆ The graphic, schematic, and practical contents with which they are created, provide practical information on the disciplines that are essential for professional practice
- ◆ Practical exercises where self-assessment can be used to improve learning.
- ◆ Its special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



*Project your professional future towards investments and explore the meaning of governance in a decentralized and virtual economy"*

“

*This Diploma offers you all the knowledge in DeFi necessary to be part of the leading professionals who occupy the top positions in this market"*

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

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

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

*Enroll on a Postgraduate Certificate that will provide you with the key tools necessary to establish strategies around Token Economics.*

*Haven't you mastered Metaverse investment yet? Discover the advantages of the economic decentralization of states and succeed in the digital market.*



# 02

## Objectives

This program has been designed under the fundamentals of a group of experts who will educate graduates in Computer Science and other professionals interested in DeFi, so that they will be more competitive in the labor and business environment and master the key information to intervene safely in decentralized finance within the Metaverse. All this with a vision of how ideas from the global economy can be applied to the virtual economy. In addition, students will identify the key elements that are part of the online financial system and will acquire the necessary knowledge to identify which business models are and will be most successful in this environment.



DeFi  
DECENTRALIZED  
FINANCE





“

*Don't wait any longer - you're just one click away from gaining all the DeFi knowledge necessary to understand actions such as Lending or Yield Farming, and how to carry them out successfully”*



## General Objectives

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- ◆ Generate specialized knowledge on Web 3.0
- ◆ Examine each of the components that make up a Metaverse
- ◆ Develop a Metaverse from the available tools and components
- ◆ Analyze the importance of *Blockchain* as a data governance model
- ◆ Justify the connection of *Blockchain* with the present and future of the Metaverse
- ◆ Discover case studies and the impact of decentralized finance in our present and future world
- ◆ Analyze the video game industry's evolution and the first primitive examples of Metaverses
- ◆ Delve into classic business models, the general state of the industry and the creation of the GameFi concept
- ◆ Establish synergies between *e-Sports* and other *gaming* industry ecosystems with respect to the current Metaverses
- ◆ Develop new skills that allow students to identify business opportunities in the different media of the metaverse
- ◆ Identify and promote all possible monetization avenues within the Metaverse
- ◆ Delve into the Metaverse experience from a different perspective, being able to understand how all this potential development affects us and answer all the questions of its application in the medium to long term
- ◆ Make the Metaverse part of our daily life to be able to make the most of it in all its areas
- ◆ Prepare ourselves for all the changes that the Metaverse poses for the future and know how it can affect our life, business or the way we interact with others





## Specific Objectives

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- ◆ Gain a general understanding of the traditional financial landscape, along with its strengths and weaknesses
- ◆ Determine the motivation for decentralized finance and the solutions they provide
- ◆ Develop fundamental concepts of decentralized finance
- ◆ Discover how the main platforms of the ecosystem work
- ◆ Examine the intermediate concepts of decentralized finance applied to Web3 projects
- ◆ Analyze decentralized finance case studies in the Metaverse
- ◆ Develop the ability to extract decentralized finance concepts for the future in the Metaverse



*Delve into the integration of cryptocurrencies and most popular recent payment systems to become an up-to-date specialist in the field"*



# 03

# Course Management

TECH has called on a teaching team versed in the Metaverse to transmit all the keys to a growing and highly competitive industry. Thanks to their extensive experience in the sector, the teachers guarantee the correct instruction of the students in a simple and fast way, through an orientation that not only offers them theoretical knowledge, but also gives them the keys to act in practice. In this way, students have access to prestigious professionals who will guide them at all times in acquiring the skills they need to understand and manage investment in cyberspace.





“

*Now you can count on a qualified team that will show you the key tools and strategies to ensure the success of your personal and professional project"*



## Management



### Mr. Cavestany Villegas, Íñigo

- ◆ Co-Founder & Head of Ecosystem of Second World
- ◆ Web3 and Gaming Leader
- ◆ IBM Cloud Specialist at IBM
- ◆ Advisor at Netspot OTN, Velca and Poly Cashback
- ◆ Teacher in business schools such as IE Business School or IE Human Sciences and Technology.
- ◆ Graduate in Business Administration from IE Business School
- ◆ Master's Degree in Business Development from the Autonomous University of Madrid
- ◆ IBM Cloud Specialist
- ◆ Profession Certification in IBM Cloud Solution Advisor

## Professors

### Mr. Cameo Gilabert, Carlos

- ◆ Founder and Chief Technology Officer at Second World
- ◆ Co-founder of Netspot
- ◆ Co-founder of Banc
- ◆ Chief Technology Officer at Jovid
- ◆ Freelance Full Stack Developer
- ◆ Industrial Engineer, Polytechnical University of Madrid
- ◆ Master's Degree in Data Science from the Polytechnic University of Madrid



# 04

## Structure and Content

The syllabus of this program has been carefully designed with a team versed in the Digital sector. The teaching team endorses the contents of this Postgraduate Certificate in Decentralized Investment and Finance in the Metaverse, which aims to broaden and update the academic and professional knowledge of IT specialists and other professionals interested in this area. The content of this degree explores the different elements involved in the DeFi business models within the framework of cyberspace from a global vision. To achieve this, TECH devotes a special section to governance in this digital scenario and use cases. All this, in order to improve the professional skills of computer science graduates who wish to specialize in this virtual field.



“

*Don't wait any longer - become a multidisciplinary specialist in analysing how Token Economics are used within the Metaverse”*



## Module 1. Decentralized Finance and Investment (DeFi) in the Metaverse

- 1.1. Decentralized Finance and Investment (DeFi) in the Metaverse
  - 1.1.1. Decentralized Finance
  - 1.1.2. Decentralized Finance Environment
  - 1.1.3. Decentralized Finance Application
- 1.2. Advanced Financial Concepts Applied to DeFi
  - 1.2.1. Money Supply and Inflation
  - 1.2.2. Volume and Margin Business
  - 1.2.3. Warranty and Performance
- 1.3. DeFi Business Models Applied to the Metaverse
  - 1.3.1. *Lending and Yield Farming*
  - 1.3.2. Payment Systems
  - 1.3.3. Banking and Insurance Services
- 1.4. DeFi Platforms Applied to the Metaverse
  - 1.4.1. DEXes
  - 1.4.2. *Wallets*
  - 1.4.3. Analytical Tools
- 1.5. DeFi Metaverse Project *Cash Flow*
  - 1.5.1. DeFi Project *Cash Flow*
  - 1.5.2. *Cash Flow* Sources
  - 1.5.3. Volume Margin
- 1.6. *Token economics*. Metaverse Utility
  - 1.6.1. *Token economics*
  - 1.6.2. *Token* Utility
  - 1.6.3. *Token* Sustainability
- 1.7. DeFi Governance Focused on the Metaverse
  - 1.7.1. DeFi Governance
  - 1.7.2. Governance Models
  - 1.7.3. DAO







- 1.8. DeFi's Meaning in the Metaverse
  - 1.8.1. Synergies Between DeFi and Metaverse
  - 1.8.2. DeFi Metaverse Value
  - 1.8.3. Metaverse Growth through DeFi
- 1.9. DeFi in the Metaverse, Case Studies
  - 1.9.1. DeFi in the Metaverse Use Cases
  - 1.9.2. Web3 Native Business Models
  - 1.9.3. Hybrid Business Models
- 1.10. Future DeFi in the Metaverse
  - 1.10.1. Relevant Agents
  - 1.10.2. Development Lines
  - 1.10.3. Mass Adoption

“*Make use of all the academic materials offered by TECH dedicated, among other aspects, to Cash Flow in DeFi Projects and achieve your professional and personal goals*”

# 05 Methodology

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

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







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

## Case Study to contextualize all content

Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

“

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



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



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

### A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and professional reality is taken into account.

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

The case method has been the most widely used learning system among the world's leading Information Technology schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question that you are presented with in the case method, an action-oriented learning method. Throughout the course, students will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.



## Relearning Methodology

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

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

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

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our university is the only one in the world authorized to employ this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.



In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

This methodology has trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, and financial markets and instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.*

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.



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



### Study Material

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

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



### Classes

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

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



### Practising Skills and Abilities

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



### Additional Reading

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







#### Case Studies

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



#### Interactive Summaries

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

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



#### Testing & Retesting

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



06

# Certificate

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





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

This **Postgraduate Certificate in Decentralized Investment and Finance in the Metaverse** contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

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

Title: **Postgraduate Certificate in Decentralized Investment and Finance in the Metaverse**

Official N° of Hours: **150 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.





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