

# Postgraduate Certificate NFTs in Metaverse



## Postgraduate Certificate NFTs in Metaverse

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitute.com/us/information-technology/postgraduate-certificate/nfts-metaverse](http://www.techtitute.com/us/information-technology/postgraduate-certificate/nfts-metaverse)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Methodology

---

*p. 20*

06

Certificate

---

*p. 28*

# 01

# Introduction

In the context of the Metaverse, NFTs have become an interesting part of the digital economy. Non Fungible Tokens have enabled users to trade digital assets within this environment, such assets can be objects, land and experiences. This is why for computer scientists the need for fluency in this vast field has become urgent. With this in mind, TECH has developed a program that will allow the professional to delve into the impact that these tokens and their various uses have had. A 100% online program with the flexibility that the professional requires to combine their daily activities with learning activities, since they will not be subject to fixed schedules.



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*Immerse yourself in the world of the Metaverse and learn about its most innovative concepts and features"*

The non-fungible token industry in the Metaverse has experienced significant growth in recent years. Interest in and adoption of NFTs has increased dramatically, leading to the rapid development of this emerging market.

One of the key advantages is that they allow digital content creators to monetize their work in a direct and transparent way. Artists can sell digital artwork, enabling them to retain ownership and receive royalties each time it is resold on the secondary market.

Additionally, they can be used to personalize and enhance the user experience.

Participants can acquire unique virtual objects, such as clothing for their avatars, accessories or decorative elements for their personal environments. These objects can be displayed, traded or used to interact with other visitors within the Metaverse, encouraging participation and creativity.

On top of this, NFTs in these digital environments can have other uses and applications, such as the possibility of accessing exclusive experiences and events. For example, a concert organizer can issue non-fungible tokens as virtual tickets for an online concert, allowing the owners of these NFTs to enter the virtual event and enjoy special content.

Taking into account the above, a Postgraduate Certificate in NFTs has been designed in Metaverse, with the intention that the IT professional acquires the necessary knowledge and tools in the use and management of tokens in digital environments, the different digital environments and the growth of this industry. A program presented in a 100% online format that gives the student the opportunity to access it any time and from any place since it only requires an electronic device with an Internet connection. At the same time, it is combined with the Relearning method, which will allow the professional to learn with less effort and more performance.

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

- ◆ The development of case studies presented by experts in Finance and Blockchain
- ◆ The graphic, schematic and practical contents of the program provide technical and practical information on those disciplines that are essential for professional practice
- ◆ Practical exercises where the self-assessment process can be carried out to improve learning
- ◆ Its special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



*Discover how NFTs have become key elements in virtual ecosystems and their importance in the digital economy"*

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*You'll explore the uses of non-fungible tokens, from creating unique virtual objects to immersive gaming and entertainment experiences"*

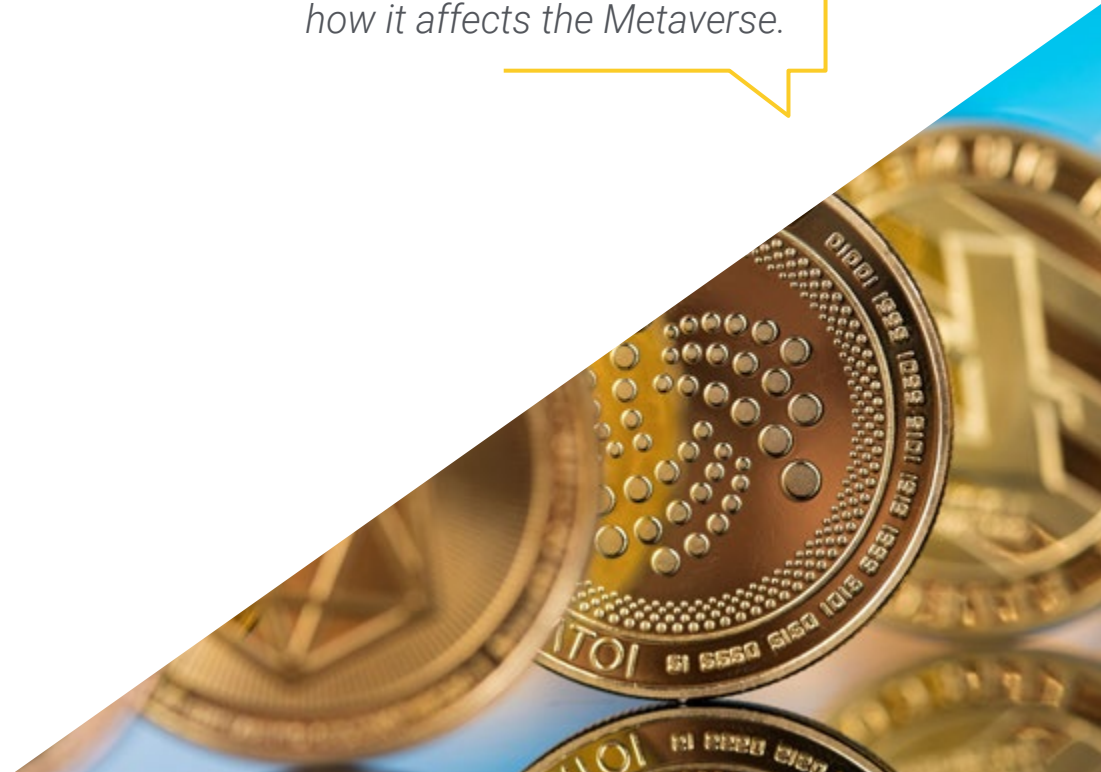
The program's teaching staff includes professionals from the sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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

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

*Thanks to TECH, you will learn about the possibilities of investing in the Metaverse and discover how you can be part of this digital revolution.*

*You will delve into Web3, its impact with NFTs and discover how it affects the Metaverse.*



# 02 Objectives

This program has been developed with the sole purpose of giving the IT professional the tools for exponential growth in their career. Additionally, it will allow them to innovate and monetize business projects and also their own, along with a series of basic knowledge to perform fluently in virtual ecosystems. For this reason, a program has been designed that offers a variety of multimedia resources such as interactive summaries and specialized readings, all stored in the virtual library that TECH provides for the student, both inside and outside the Postgraduate Certificate.





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*With this course you will discover how decentralized organizations are revolutionizing the way in which decisions are made and digital communities are governed"*



## General Objectives

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- ◆ Analyze the scope of the Fintech revolution
- ◆ Identify the origin and reasons for the emergence of Fintechs
- ◆ Observe the differential value provided by Fintechs
- ◆ Develop the concept of tokenization
- ◆ Analyze the tokenization process
- ◆ Identify which projects can be tokenized
- ◆ Establish the advantages offered by tokenization
- ◆ Provide an in-depth understanding of Blockchain technology and its implementation in asset tokenization
- ◆ Analyze the technical specifications of tokens and their standards, Blockchain types, security in Blockchain networks, smart contracts, success stories, and the advantages and disadvantages of asset tokenization
- ◆ Apply the most advanced concepts and tools to carry out transactions of tokens and cryptocurrencies in a safe and efficient way





## Specific Objectives

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- ◆ Explain in detail how NFTs work and their use in the Metaverse, DAOs and their relationship to NFTs
- ◆ Determine how unique virtual objects can be created and sold using NFTs, demonstrating how these tools can be used in digital community funding and governance projects
- ◆ Examine how NFTs are related to decentralization trends in the digital world, covering topics such as Web3 and DeFi. Explore how NFTs can be applied in other areas, such as education, health and environment
- ◆ Acquire a solid technical understanding of NFTs, DAOs and trends in the digital world, which will allow us to apply this knowledge to constantly evolving projects within the NFTs and decentralization arena

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*You will delve into the crypto industry and how decentralized organizations are funding projects and promoting community participation”*

03

# Course Management

TECH has recruited leading professionals in Tokenization and Blockchain to be part of its teaching team, with the aim of providing a program of excellent level. These experts have been responsible for developing updated materials, which will give the student the opportunity to acquire knowledge from professionals with extensive experience in the digital and financial fields. This will give them the necessary keys for their professional development in a field that adapts to new technologies and the latest advances.



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*You will have great advantages compared to traditional companies and you will learn how to use them to take your career to another level"*

## Management



### Dr. Gómez Martínez, Raúl

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

## Professors

### Mr. Diner, Franco

- ♦ Blockchain Developer at *Open 4 Blockchain Fintech*
- ♦ Blockchain Developer at Bifrost
- ♦ IT Developer at Arbell
- ♦ Fullstack Developer at Digital House
- ♦ Systems Analyst at O.R.T. Technical School
- ♦ Degree in Information Technology at the University of Palermo
- ♦ Tutor and teacher at Coderhouse Web Development

**NFT**



**DEFI**

04

# Structure and Content

The agenda of this Postgraduate Certificate is designed to give the computer scientist the knowledge about the importance of NFTs in the Metaverse, the economic impact and explore the intersection between Decentralized Autonomous Organizations and Non Fungible Tokens. To achieve this, a 100% online program will be offered, which students will be able to access from any device with a network connection.





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*With the Relearning method you will learn complex concepts with less effort and more performance”*

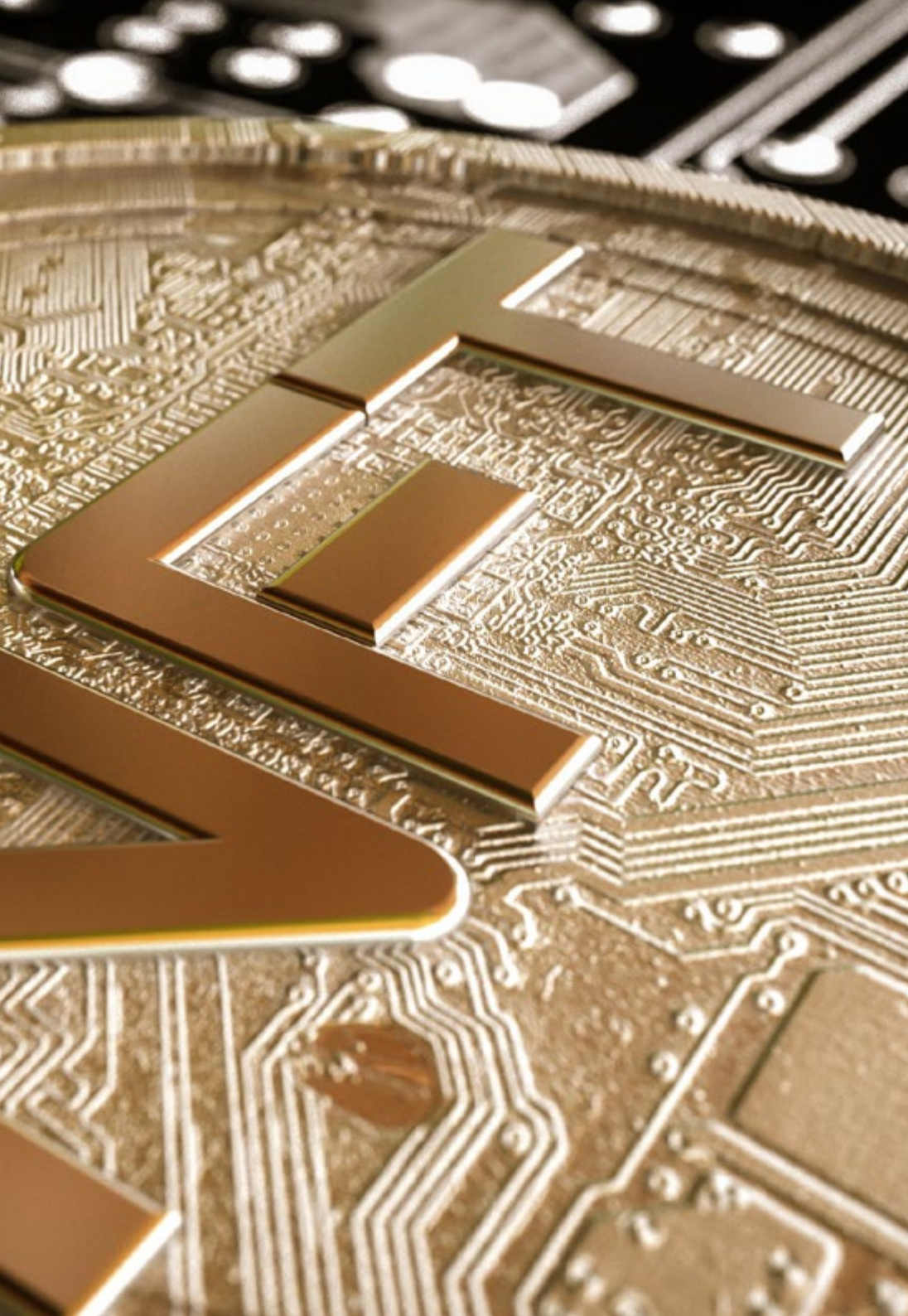
## Module 1. NFTs in the Metaverse, OEDs and new trends

- 1.1. NFTs in Metaverse
  - 1.1.1. Metaverse Concept. Features
  - 1.1.2. Importance of the NFTs in the Metaverse
  - 1.1.3. Examples of Existing Metaverses
- 1.2. Use of NFTs in the Metaverse
  - 1.2.1. Creation and Sale of Unique Virtual Objects
  - 1.2.2. Immersive Gaming and Entertainment Experiences
  - 1.2.3. Possibilities of Investment in the Metaverse Through NFTs
- 1.3. Economic Impact of the NFTs in the Metaverse
  - 1.3.1. Growth of the NFTs Industry in the Metaverse
  - 1.3.2. Benefits for the Creators and Owners of NFTs
  - 1.3.3. Potential of NFTs to Revolutionize the Digital Economy
- 1.4. DAOs
  - 1.4.1. Definition and Characteristics of a DAO
  - 1.4.2. Functioning of a DAO
  - 1.4.3. Differences Between a DAO and the Traditional Companies
- 1.5. Examples of DAOs
  - 1.5.1. Successful Examples of DAOs in the Crypto Industry
  - 1.5.2. DAOs for Project Financing
  - 1.5.3. DAOs for the Governance of Digital Communities
- 1.6. Advantages and Disadvantages of DAOs
  - 1.6.1. Advantages of DAOs Compared to Traditional Enterprises
  - 1.6.2. Disadvantages and Risks Associated with DAOs
  - 1.6.3. Legal and Regulatory Considerations for DAOs
- 1.7. DAOs and Their Relationship with NFTs
  - 1.7.1. Benefits and Challenges of Integrating NFTs into DAOs
  - 1.7.2. Use of NFTs in DAOs
  - 1.7.3. Examples of DAOs using NFTs in Their Business Model NFT Use in DAOs



- 1.8. The Trend Towards Decentralization - Web 3.0
  - 1.8.1. Concept of Web 3.0
  - 1.8.2. Differences Between Web3 and Web2
  - 1.8.3. Advantages of Decentralization in the Digital World
- 1.9. Trends in Decentralized Finance - DeFi
  - 1.9.1. Definition of DeFi
  - 1.9.2. Benefits of DeFi Over Traditional Finance
  - 1.9.3. Challenges and Risks Associated with DeFi
- 1.10. New Trends with NFTs
  - 1.10.1. Tokenization of Physical Assets and its Relationship with NFTs
  - 1.10.2. The Use of NFTs in the Creation of Digital Identities and Their Impact on Privacy
  - 1.10.3. NFTs in Sectors Such as Education, Health and Environment

“ You will know how digital assets are being used in the business models of decentralized organizations”



# 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.

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*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 adapted in 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.



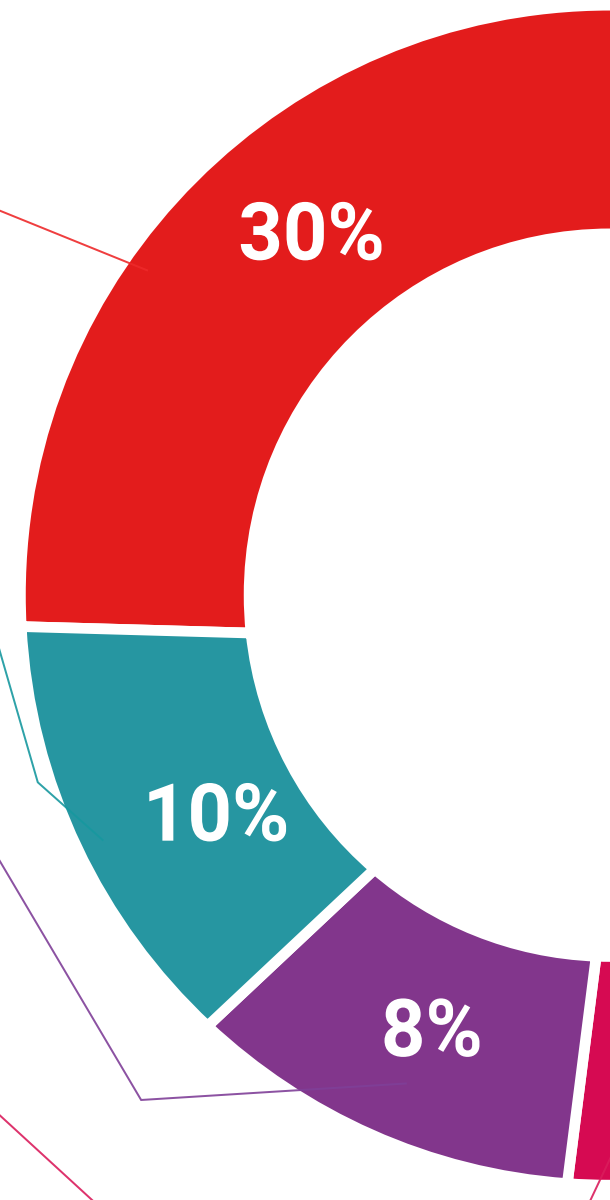
### Practising Skills and Abilities

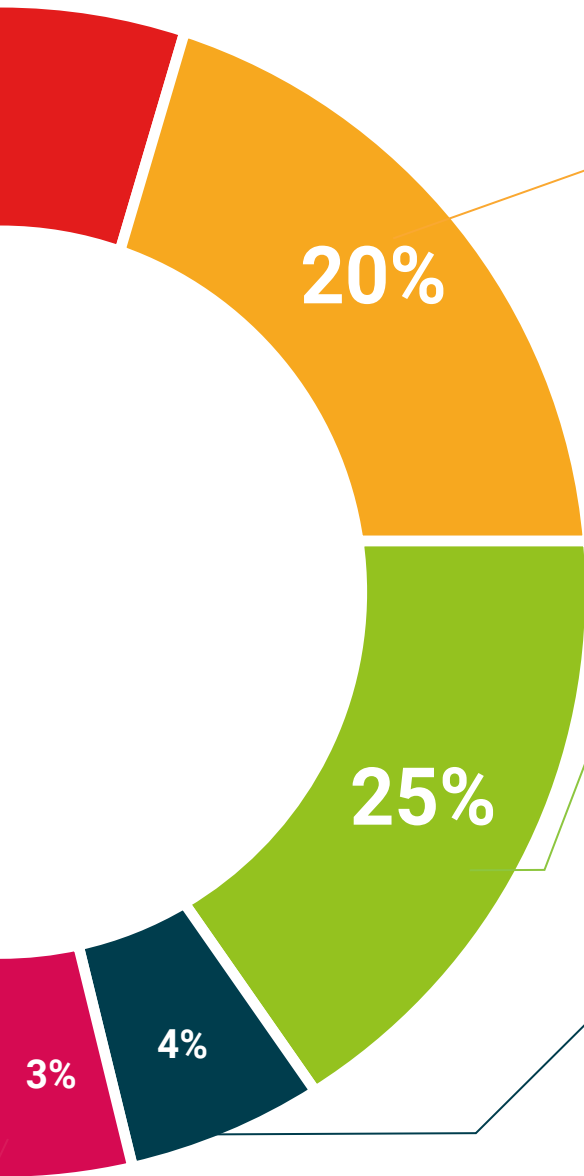
They will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



### 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 assess and re-assess 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 NFTs in Metaverse guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.





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

This program will allow you to obtain your **Postgraduate Certificate in NFTs in Metaverse** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in NFTs in Metaverse**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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

future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development language  
virtual classroom



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