

# Postgraduate Certificate Development of Web 3.0 as the Basis of the Metaverse



## Postgraduate Certificate Development of Web 3.0 as the Basis of the Metaverse

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online
- » Target Group: University Graduates, Graduates and Undergraduates who have previously completed any of the degrees in the fields of Social and Legal Sciences, Administrative and Business Sciences

Website: [www.techtute.com/pk/school-of-business/postgraduate-certificate/development-web-3-0-basis-metaverse](http://www.techtute.com/pk/school-of-business/postgraduate-certificate/development-web-3-0-basis-metaverse)

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# 01

# Welcome

The development of Web 3.0 is fundamental for the construction of the Metaverse, since it allows the connection of the physical world with the virtual one, and facilitates the creation of more advanced interactive environments. It is also characterized by decentralization and artificial intelligence, which allows for greater transparency, speed and accessibility. In this way, entrepreneurs need to be aware of these advances in order to adapt to changes in the market and take advantage of the opportunities offered by the digital world. Therefore, this program becomes the main training tool for students wishing to enter this field. All this in an informative conglomerate full of audiovisual resources and practical exercises to offer a more immersive experience.



Postgraduate Certificate in Development of Web 3.0 as the Basis of the Metaverse  
TECH Technological University



“

*Knowing about the development of Web 3.0 will allow you to venture into a sector with great projection, and even create platforms of great relevance for the future”*

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.





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* methodology (the most internationally recognized postgraduate learning methodology) with Harvard Business School case studies. A complex balance of traditional and state-of-the-art methods, within the most demanding academic framework.



### 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 groundbreaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.



### 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"*

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

TECH has selected for the development of this program the academic topics of greatest demand and with great impact for the development of Web 3.0. Each of them exposed through audiovisual resources and complementary readings, in order to allow students to catapult their skills and acquire new knowledge to meet their proposed objectives.



“

*This program becomes an opportunity for professional growth. Don't wait any longer and enroll now”*

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

The Postgraduate Certificate in Development of Web 3.0 as the Basis of the Metaverse will enable the student to:

01

Examining the importance of Blockchain values in a new virtual world

04

Gain a general understanding of the traditional financial landscape, along with its strengths and weaknesses

02

Establish Web 3.0 as the main component for the creation of a Metaverse

03

Determine the barriers and potential for VR and AI





05

Determine the motivation for decentralized finance and the solutions they provide

06

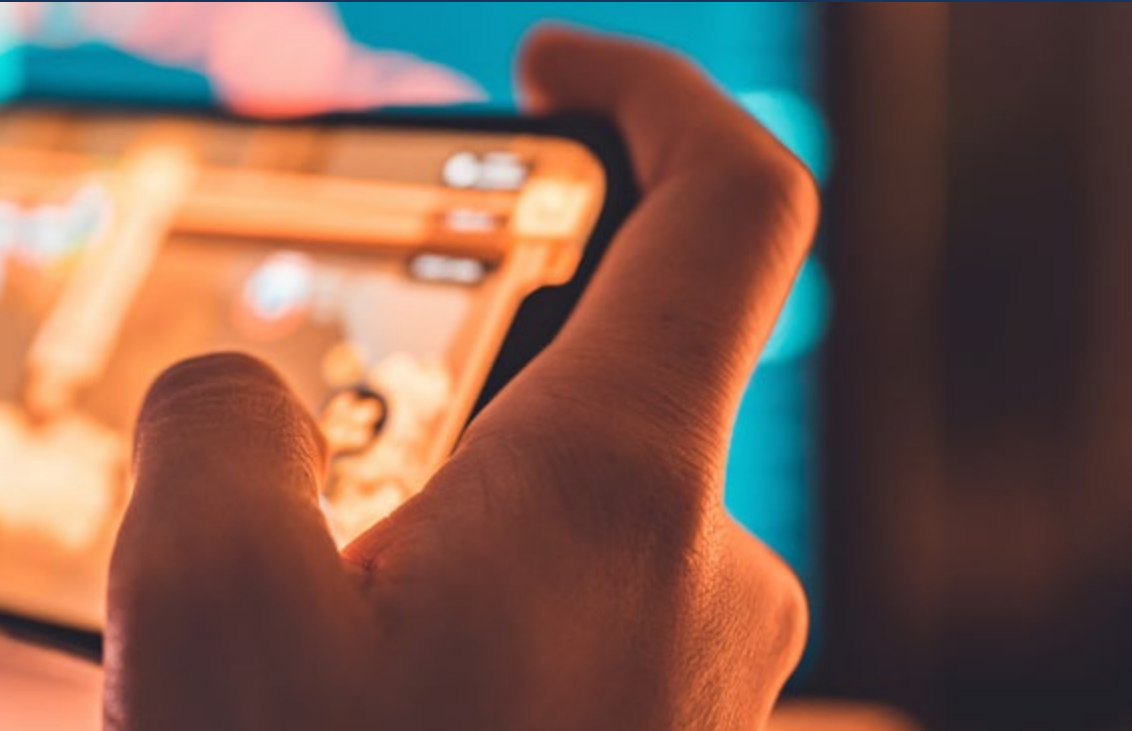
Achieve a specialized understanding of the current technological landscape as applied to Web3 and the Metaverse

07

Develop the ability to understand advanced programming concepts

08

Determine the most influential video games in history up until the Metaverse concept



05

# Structure and Content

The syllabus of this program has been designed according to the current demands of the sector. Inside, the student will find updated and rigorous information about web development, metaverse and new technologies that influence current business models. This content will be available in the virtual campus, which can be accessed from any device with an Internet connection and will be available 24 hours a day.



“

*Due to the impact that new technologies have had in the real world, this program will become your best ally to train you in a field of great future projection”*

## Syllabus

The Postgraduate Certificate in Development of Web 3.0 as the Basis of the Metaverse is a multidisciplinary training that offers a complete academic experience of 150 hours, designed to train students in the latest trends in the digital world. Additionally, it has a teaching team composed of active professionals in the sector, who know in detail the specifications and requirements that graduates must meet to succeed in it.

The syllabus is designed according to the recommendations of the teaching team and covers everything from the most up-to-date syllabus to use cases in the Metaverse, including additional material that allows students to delve deeper into the different aspects of the program.

The course focuses on aspects such as the keys to building a decentralized Metaverse, the successful business models within this industry and the main actors involved in a virtual project. With this information, students will acquire a high degree of specialization that will allow them to become experts in the field.

This Postgraduate Certificate in Development of Web 3.0 as the Basis of the Metaverse is developed over 6 weeks and is divided into 1 module:

### Module 1

### Individual Income Taxation



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

TECH offers the possibility of developing this Postgraduate Certificate in Development of Web 3.0 as the Basis of the Metaverse completely online. During the 6 weeks of the specialization, the student will be able to access all the contents of this program at any time, which will allow the students to self-manage their study time.

*A unique, key, and decisive educational experience to boost your professional development and make the definitive leap.*

**Module 1. Individual Income Taxation**

**1.1. From ARPAnet to WWW**

- 1.1.1. ARPAnet. Military origin of the Internet
- 1.1.2. Current Protocols and Search Engines
- 1.1.3. Digital Revolution. Social Networks and E-Commerce

**1.2. From Web 2.0 to Web 3.0**

- 1.2.1. Interaction and Social Nature of the Internet
- 1.2.2. Decentralization and Omnipresence Paradigm
- 1.2.3. Semantic Web and Artificial Intelligence

**1.3. Web 3.0. Best Practices**

- 1.3.1. Security and Privacy
- 1.3.2. Transparency and Decentralization
- 1.3.3. Speed and Accessibility

**1.4. Web 3.0. Applications**

- 1.4.1. Siri and other New Virtual Assistant Models
- 1.4.2. Wolfram Alpha or the Web 3.0. Alternative to Google
- 1.4.3. Second Life. Advanced 3D environments

**1.5. Technology Companies' Role in Web 3.0**

- 1.5.1. From Facebook to Meta
- 1.5.2. Hyperfinancing and CEO-Less Companies
- 1.5.3. "Metaverse Standards Forum" and Web 5.0

**1.6. Web 3.0. Regulations and Compliance**

- 1.6.1. Web 3.0. End-Users
- 1.6.2. User and Organization Business Models
- 1.6.3. Regulations and Compliance

**1.7. Web 3.0.in Business. Impact**

- 1.7.1. Impact of Web 3.0.in Business
- 1.7.2. Social Relationship Between Brands and Users. New Environment
- 1.7.3. E-commerce, Next level

**1.8. Change to Web 3.0. New Social Relationship Environment between Brands and Users**

- 1.8.1. Fraud and Associated Risks
- 1.8.2. New Social Relationship Environment between Brands and Users
- 1.8.3. Environmental Impact

**1.9. Digital Nomads. Web 3.0. Architects**

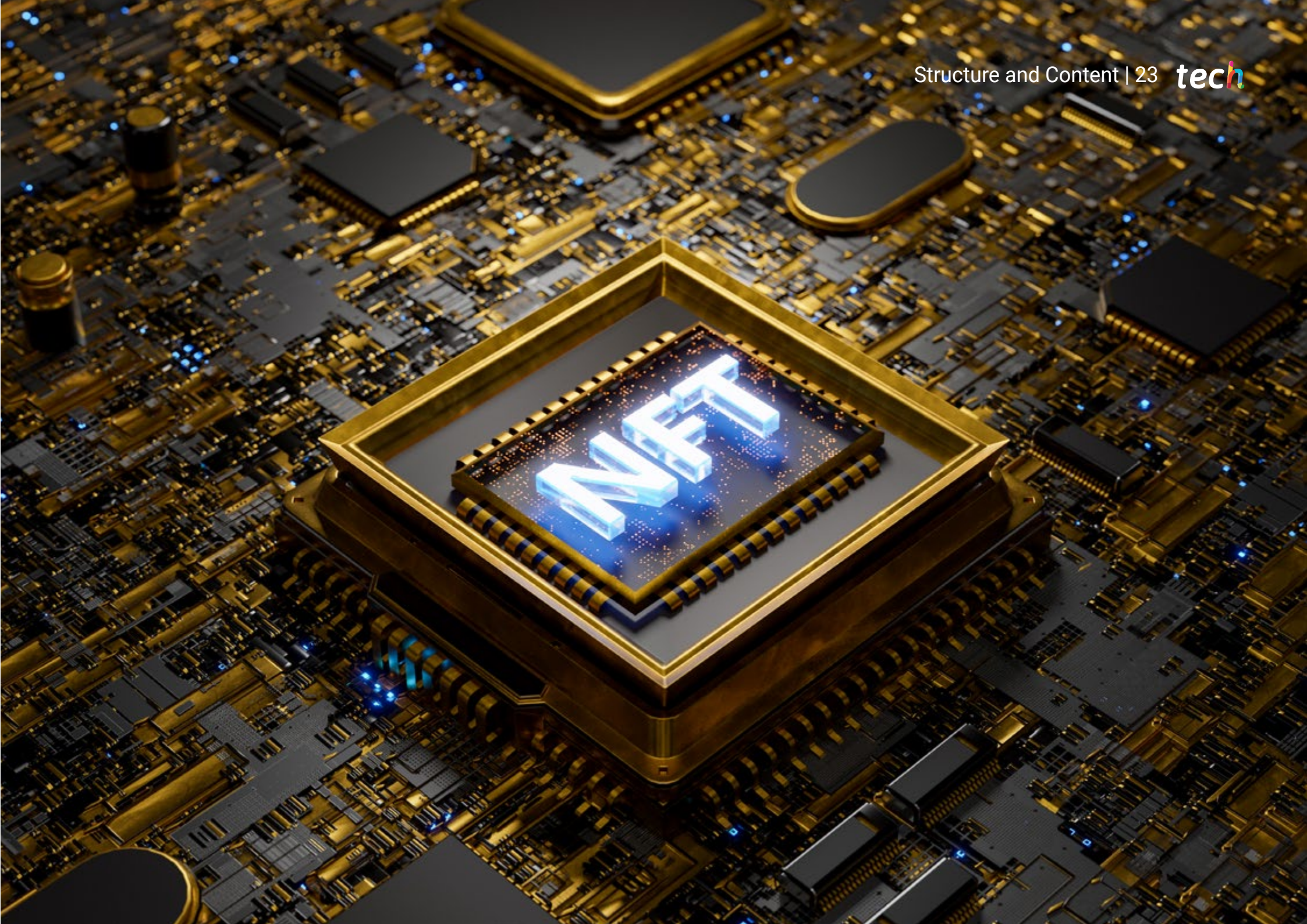
- 1.9.1. New Users, New Needs
- 1.9.2. Digital Nomads as Web 3.0. Architects
- 1.9.3. Web 3.0. Benefits

**1.10. No Web 3.0, No Metaverse**

- 1.10.1. Web 3.0.and Metaverse
- 1.10.2. Virtual Environment: Exponential Technologies
- 1.10.3. Web 3.0, Connection with the Physical World: Success



*A first-rate academic compendium specially designed to bring you up to date in a field with a high professional demand"*



# 06

# 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.



07

# Our Students' Profiles

The program is aimed at university graduates and undergraduates who have previously completed any of the following programs in the field of Social and Legal Sciences, Administrative and Economic Sciences, as well as those specialized in the area of Engineering and Computer Science with an interest in the gaming sector.

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

This Postgraduate Certificate is also open to professionals who, being university graduates in any area, have two years of work experience in the field of Web development and new technologies.







“

*This program is an opportunity for professional growth that will allow you to enhance your profile in a field of great future projection”*

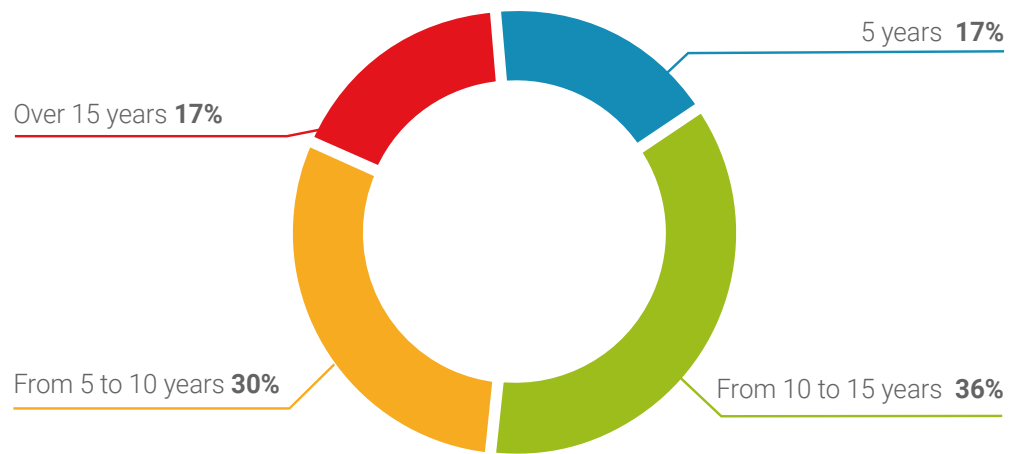
### Average Age

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

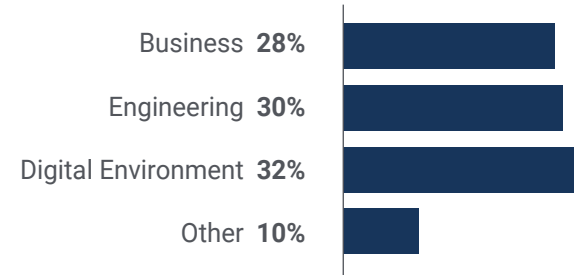
### Years of Experience

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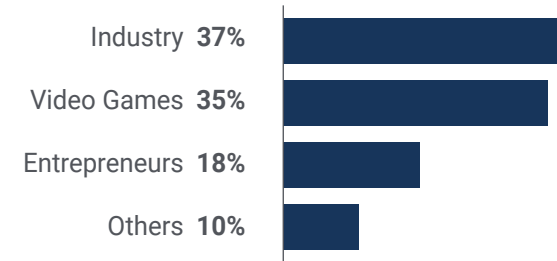
### Training

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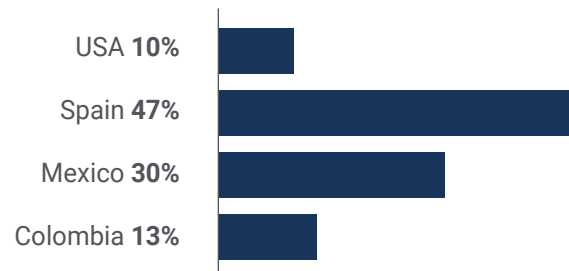
### Educational Profile

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## Geographical Distribution

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## Eugenia Solorzano

SEO of a digital Web development company

*"Thanks to the Postgraduate Certificate in Development of Web 3.0, I was able to acquire the necessary skills to create immersive experiences in the metaverse. Now I can build amazing digital worlds and be part of the technological revolution of the future"*

08

# Course Management

The teaching team of this Postgraduate Certificate is made up of highly qualified professionals with extensive experience in the technology sector. Each of them has an outstanding professional career in leading companies in the market and extensive knowledge in advanced technologies such as artificial intelligence, blockchain and virtual reality. Additionally, all of them remain active, which allows them to keep up with the latest trends and developments in the sector, ensuring up-to-date and quality training for students.





“

*The best professionals in the field ready to share with you the key pieces of Web 3.0 development to get you into the new digital business”*

## Management



### Mr. Cavestany Villegas, Íñigo

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

## Professors

### Mr. Ripoll López, Carlos

- ♦ Co-founder and CEO of SecondWorld
- ♦ Founder and CEO of SecondWorld
- ♦ Founder of Netspot Hub
- ♦ Digitalization & Market Research at Cantabria Labs
- ♦ Bachelor in Engineering from the Universidad Europea
- ♦ Bachelor in Business Administration from IE Business School
- ♦ Second World Academy Leader



09

# Impact on Your Career

Pursuing this program can have a significant impact on the career of any technology-related professional. The growing popularity of the metaverse and related technologies, such as virtual and augmented reality, means that the demand for professionals with skills in this field is constantly growing.





“

*Develop products in the digital framework that have high impact in the real world”*

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

The Postgraduate Certificate in Development of Web 3.0 as the Basis of the Metaverse from TECH is an intensive program that prepares you to face challenges and business decisions in the field of Development of Web 3.0 as the Basis of the Metaverse. The main objective is to promote your personal and professional growth. 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.

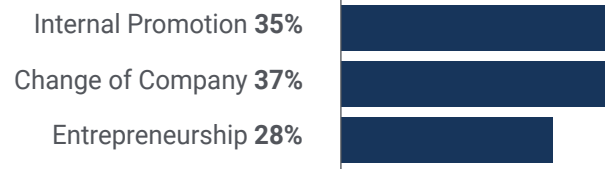
*The knowledge developed here has an immediate applicability in the labor field, so once you graduate you will be ready to start working.*

*Do you want to develop popular platforms such as Facebook, Instagram or Twitter? If so, enroll now.*

#### Time of Change



#### Type of Change



## Salary Increase

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The completion of this program represents a salary increase of more than **27.32%** for our students.



10

# Benefits for Your Company

The Postgraduate Certificate in Development of Web 3.0 as the Basis of the Metaverse contributes to elevating the organization's talent to its maximum potential by educating high-level leaders.

Participating in this Postgraduate Certificate is a unique opportunity to access a powerful network of contacts in which to find future professional partners, customers or suppliers.





“

*In the new digital era, having the knowledge developed in this program will help you to perform well in any job”*

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.

11

# Certificate

The Postgraduate Certificate in Development of Web 3.0 as the Basis 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.





“

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

This **Postgraduate Certificate in Development of Web 3.0 as the Basis of 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 Development of Web 3.0 as the Basis of 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.



## Postgraduate Certificate Development of Web 3.0 as the Basis of the Metaverse

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- » Certificate: **TECH Technological University**
- » Dedication: **16h/week**
- » Schedule: **at your own pace**
- » Exams: **online**

# Postgraduate Certificate

## Development of Web 3.0 as the Basis of the Metaverse

