Postgraduate Certificate
Networks and Smart Contracts

tech global university

Postgraduate Certificate
Networks and Smart Contracts

- » Modality: **online**
- » Duration: **6 weeks**
- » Certificate: **TECH Global University**
- » Credits: **6 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**
- » Target Group: **University Graduates, Graduates and Undergraduates who have previously completed any of the programs in the fields of Social and Legal Sciences, Administrative and Business Sciences.**

Website: **www.techtitute.com/us/school-of-business/postgraduate-certificate/networks-smart-contracts**

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01
Welcome

The Blockchain technology and Smart Contracts revolution has completely changed the way companies interact and conduct business transactions. Thanks to these tools, it is possible to automate processes and tasks without relying on intermediaries, reducing production costs and increasing business efficiency. Therefore, the advantages offered to maximize economic benefits mean that more and more companies are demanding senior management positions specialized in Networks and Smart Contracts. As a result, TECH Global University has created this program, which will improve students' skills in these areas and boost their access to these positions of responsibility. All this, 100% online and without the need to make uncomfortable trips to a study center.

Postgraduate Certificate in Networks and Smart Contracts.
TECH Global University

Develop your management skills in Networking and Smart Contracts and increase your career prospects in the business world"

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 Global 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 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.

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 Global University community.

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

04
Objectives

The Postgraduate Certificate in Networks and Smart Contracts has been designed with the aim of improving the professional profile of students. This way, they will learn to design and develop innovative solutions based on Blockchain technology, as well as to manage projects related to Smart Contracts. In this way, they will acquire a series of very complete and cutting-edge skills that will guarantee them to boost their professional career.

Be able to excel in the field of Networks and Smart Contracts thanks to the skills acquired in this program"

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

The **Postgraduate Certificate in Networks and Smart Contracts** will enable students to:

01 Discriminate the selection of optimal networks of the proposed purposes in a future undertaking, through the examples of use and main characteristics of each one of them

02 Understand how networks work and establish a strategy based on them

03 Develop plans to improve user level accessibility from the networks
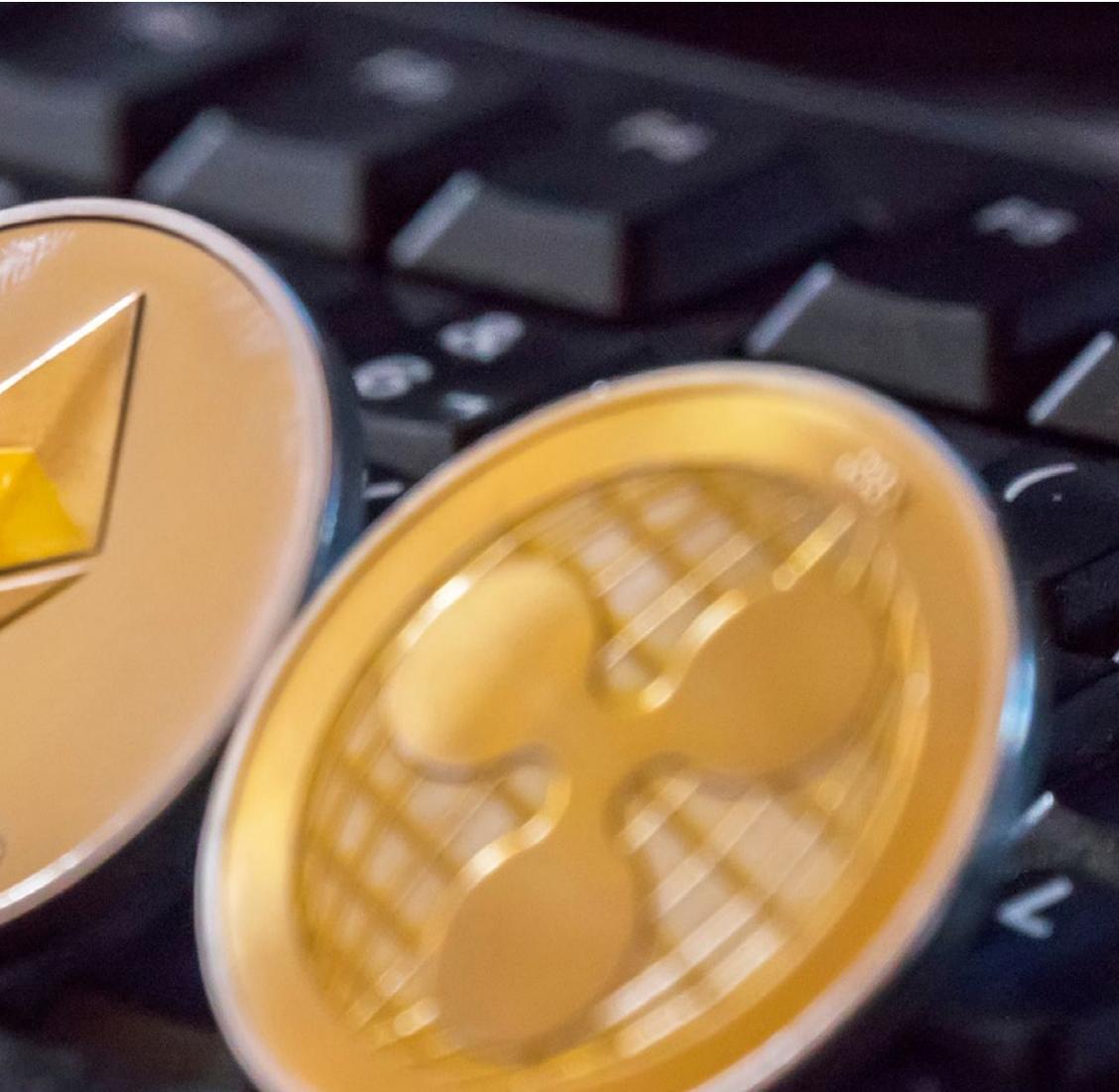
04 Identify systematically and in the depth of its parts the functioning of Blockchain technology, developing how its advantages and disadvantages are linked to the way its architecture functions

05 Identify the layers relevant to the gamified economy sector

06 Analyze the cryptocurrencies that are most suitable for future ventures

Structure and Content

The Postgraduate Certificate in Networks and Smart Contracts is taught in a 100% online format through the Relearningmethodology, which allows students to advance at their own pace and adapt their learning to their needs and schedules. The syllabus, which allows you to delve into Ripple, Tron or Ethereum, will favor the acquisition of a series of skills that will allow you to stand out in your professional career.

The Relearning system of this program allows you to learn at your own pace and without leaving your home"

Syllabus

TECH's Technological University's Postgraduate Certificate in Networks and *Smart Contracts* is an intensive program that prepares students to face challenges and decisions in the business field of *Blockchain*. This program is designed to train students in the managerial skills needed to make more rigorous decisions in uncertain environments.

With a duration of 180 hours, students will have the opportunity to analyze a multitude of case studies, working both individually and in teams. In this way, students will have an authentic immersion in real business situations.

This Postgraduate Certificate delves into the field of Smart Contracts and the universe of Ripple, Tron, Ethereum and ADA Cardano, among other issues, allowing professionals to understand the Blockchain world from a strategic, international and innovative perspective.

The Postgraduate Certificate in Networks and *Smart Contracts* , therefore, focuses on the professional improvement of students, preparing them to achieve excellence in the field of leadership and business management. It also has an exceptional faculty that provides skills to solve critical situations in a creative and efficient way.

This Postgraduate Certificate is developed over 6 week and is divided into 1 module:

Module 1. Networks

Where, When and How is it Taught?

TECH Global University offers you the opportunity to study this Postgraduate Certificate in Networks and Smart Contracts 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 educational experience, key and decisive to boost your professional development and take the definitive leap.

Module 1. Networks

1.1. The Revolution of the Smart Contract
1.1.1. The Birth of the Smart Contract
1.1.2. Application Hosting
1.1.3. Security in IT Processes

1.2. Metamask
1.2.1. Aspects
1.2.2. Impact on Accessibility
1.2.3. Asset Management at Metamask

1.3. Tron
1.3.1. Aspects
1.3.2. Hosted Applications
1.3.3. Disadvantages and Benefits

1.4. Ripple
1.4.1. Aspects
1.4.2. Hosted Applications
1.4.3. Disadvantages and Benefits

1.5. Ethereum
1.5.1. Aspects
1.5.2. Hosted Applications
1.5.3. Disadvantages and Benefits

1.6. Polygon MATIC
1.6.1. Aspects
1.6.2. Hosted Applications
1.6.3. Disadvantages and Benefits

1.7. Wax
1.7.1. Aspects
1.7.2. Hosted Applications
1.7.3. Disadvantages and Benefits

1.8. ADA Cardano
1.8.1. Aspects
1.8.2. Hosted Applications
1.8.3. Disadvantages and Benefits

1.9. Solana
1.9.1. Aspects
1.9.2. Hosted Applications
1.9.3. Disadvantages and Benefits

1.10. Projects and Migrations
1.10.1. Networks Suitable for the Project
1.10.2. Migration
1.10.3. Crosschain

Obtain the most updated knowledge of the pedagogical panorama in Networks and Smart Contracts with this Postgraduate Certificate"

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.

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.

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

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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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.

30%

10%

8%

3%

30%

15%

4%

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.

Our Students' Profiles

The Postgraduate Certificate is aimed at University graduates, graduates and undergraduates who have previously completed any of the following programs in the field of Social and Legal Sciences, Administration and Economics.

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

The Professional Master's Degree may also be taken by professionals who, being university graduates in any area, have two years of work experience in the *Cryptogaming* field.

"

Increase your skills in Networking and Smart Contracts without neglecting your professional duties thanks to the study facilities offered by TECH Global University"

Average Age

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

Years of Experience

Up to 5 years **17%**

10 to 15 years **38%**

5 to 10 years **33%**

More than 15 years **12%**

Training

Business **29%**

Engineering **38%**

Social Sciences **14 %**

Others **19%**

Educational Profile

Industry **36%**

Video Games **32%**

Entrepreneurs **17%**

Other **15%**
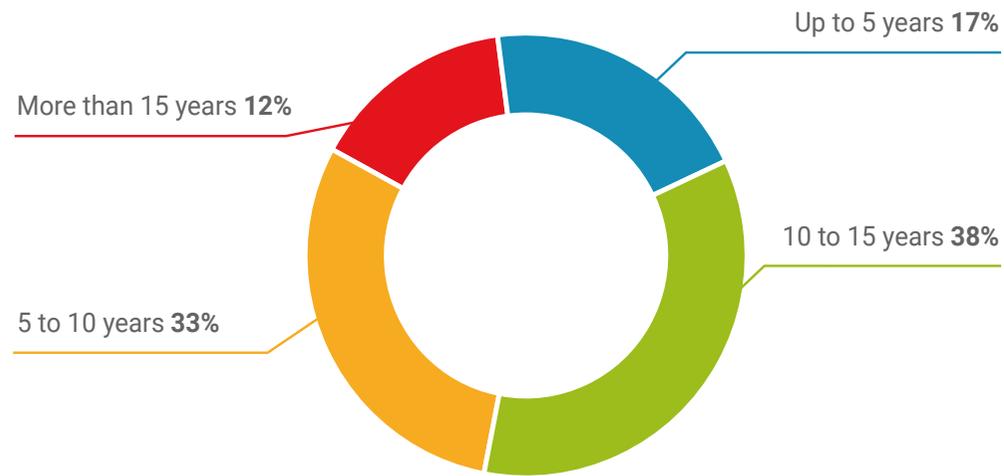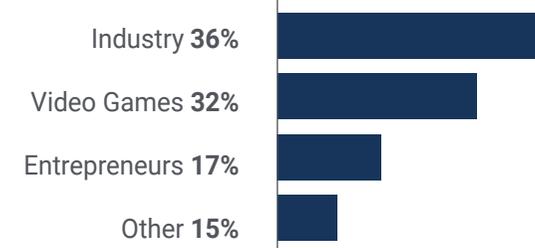
Geographical Distribution

USA **17%**

Spain **39%**

Mexico **27%**

Colombia **17%**
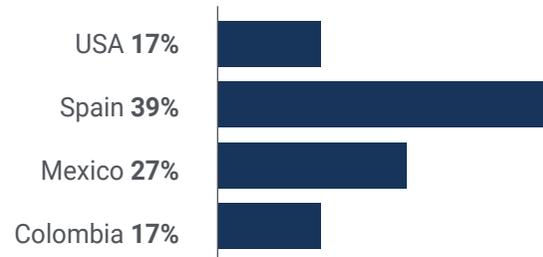
Wilson García

Manager of a video game startup

"Thanks to the Postgraduate Certificate in Networking and Smart Contracts, I was able to learn about the most advanced technologies in the digital world, which allowed me to stand out in my professional area. Now I am able to work on top-level projects and I have been able to hold relevant positions in companies in the video game world"

08
Course Management

The teaching team of the Postgraduate Certificate in Networks and Smart Contracts is made up of highly qualified and active professionals in the area of design and development of video games based on *Blockchain*technology. This allows them to provide students with updated knowledge and skills adapted to the needs of the labor market. In this way, they will obtain the necessary skills to excel in their professional career.

From the hand of the best specialists in Blockchain, you will receive an education in Networks and Smart Contracts aligned with the current needs of the professional market"

International Guest Director

Rene Stefancic is a leading Blockchain and Web3 technology professional known for his innovative approach and strategic leadership in emerging digital ecosystems. He currently serves as Chief Operating Officer (COO) at Enjin, a pioneering Blockchain and NFT platform, where he manages tasks such as the adoption of new tools and fosters strategic partnerships to drive cutting-edge IT solutions. With a hands-on, results-oriented approach, he applies his "swim or sink" and "try everything" philosophy to every project, always looking to solve the most complex challenges in a scalable and effective way.

Prior to joining Enjin, Stefancic held the position of Head of Marketing at CoinCodex, a platform aimed at cryptocurrency data aggregation. It was in this environment that he consolidated his expertise in growth strategies and digital marketing, taking a decisive role in expanding the company's visibility and reach. His transition to the Blockchain world began when he decided to leave his career in traditional finance to focus on data modeling and analytics in this new sector, thereby laying the foundations for his career in a constantly evolving market.

With a vision focused on product development and IT strategy, the expert excels in leading teams towards the creation of innovative and applicable solutions in the context of Blockchain technology. His ability to build strong and long-lasting business relationships has enabled him to establish key strategic partnerships in the industry, cementing his international reputation as a dynamic leader in the field of technology and digital assets.

Mr. Stefancic, Rene

- Chief Operating Officer (COO) at Enjin, Singapore, Singapore.
- Blockchain Advisor at NFTFrontier
- IT Consultant at RS IT Consulting
- Marketing Director at CoinCodex
- Consultant at NextCash
- Digital Marketing Specialist at Piaggio Group Slovenia
- Master's Degree in Management at the Faculty of Management, University of Primorska

" *Thanks to TECH, you will be able to learn with the best professionals in the world"*

Management

Mr. Olmo Cuevas, Alejandro

- Game and Blockchain economies for video games designer
- Founder of Seven Moons Studios Blockchain Gaming
- Founder of the Niide project
- Writer of fantastic narrative and poetic prose

Professors

Ms. Gálvez González, María Jesús

- Teacher at Instituto Profesional AIEP
- Head of the Social Department of the Municipality of El Tabo
- Degree in Social Work from the University of Santo Tomás
- Professional Master's Degree in Strategic People Management and Organizational Human Talent Management
- Postgraduate Certificate in Social Economy from the University of Santiago de Chile

09
Impact on Your Career

This program provides professionals with the necessary skills to work with emerging and advanced technologies, which is essential in an increasingly digital and connected world.Therefore, the knowledge acquired in the Postgraduate Certificate will enable them to work on projects related to the implementation and management of Blockchain and Smart Contracts, and will prepare them to play key roles in the development of innovative solutions in the business environment.

Our challenge is to generate a positive change in your professional career. We are fully committed to helping you achieve it"

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

TECH's Technological University's Postgraduate Certificate in Networks and Smart Contracts is an intensive program that prepares you to face challenges and business decisions in the field of *Cryptogaming*. 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.

Achieve that long-awaited salary increase you've been longing for through the Postgraduate Certificate in Networking and Smart Contracts.

Become a professional highly valued by companies thanks to this program.

Time of Change

During the program	During the first year	After 2 years
25%	**33%**	**42%**

Type of change

Internal Promotion **43%**

Change of Company **32%**

Entrepreneurship **25%**
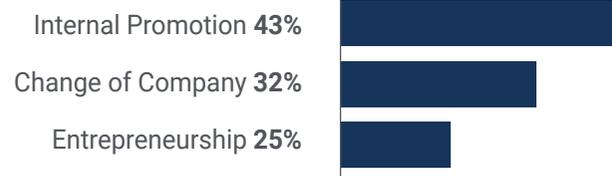
Salary increase

The completion of this program represents a salary increase of more than **25,3%** for our students.

Salary before	A salary increase of	Salary after
$53.000	**25,3%**	**$66.400**
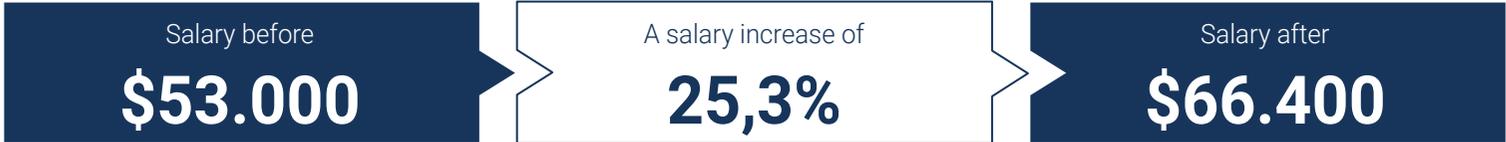
10

Benefits for Your Company

The Postgraduate Certificate in Networks and Smart Contracts contributes to elevate the organization's talent to its maximum potential through the instruction of 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.

Specialists in Smart Contracts management are a must for all companies that want to reduce transaction costs and increase transaction productivity"

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.

Project Development

05

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

Increased competitiveness

06

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

11

Certificate

The Postgraduate Certificate in Networks and Smart Contracts guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.

" *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 Networks and Smart Contracts** 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 Networks and Smart Contracts**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**

tech global university

Mr./Ms. _____, with identification document _____ has successfully passed and obtained the title of:

Postgraduate Certificate in Networks and Smart Contracts

This is a program of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Rector

Unique TECH Code: AFWORD23S   techtitute.com/certificates

*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.

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