



# Postgraduate Diploma

Solvency

» Modality: online

» Duration: 6 months

» Certificate: TECH Global University

» Credits: 18 ECTS

» Schedule: at your own pace

» Exams: online

» Target Group: Graduates, Postgraduates and university graduates who have previously completed any of the degrees in the fields of Finance, Business, Economics and Computer Science

Website: www.techtitute.com/us/school-of-business/postgraduate-diploma/postgraduate-diploma-solvency

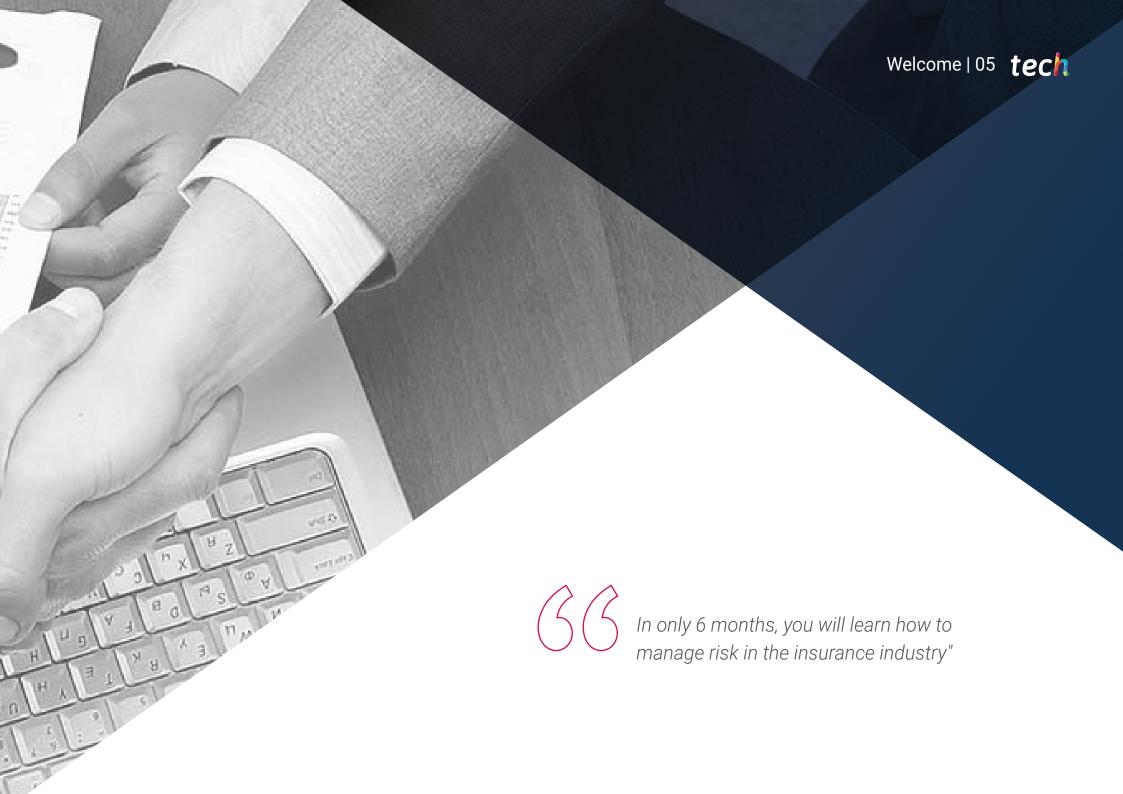
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# 01 **Welcome**

As new threats and challenges have emerged, the insurance field has had to adapt and evolve. Traditionally, insurance focused on covering risks such as property, health, and life. However, with the advancement of technology and changes in society, new dangers have arisen, such as cyber, environmental, and social. This is why it has become important for the business professional to be at the forefront of the latest advances in solvency and risk issues and the proper management of insurance activity. In this context, TECH has created a 100% online program that offers the possibility of access from any mobile device with a network connection.









# tech 08 | Why Study at TECH?

#### 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

+200

executives prepared each year

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.



## Why Study at TECH? | 09 tech

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.



#### 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.



#### **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.



At TECH, you will have access to the most rigorous and up-to-date case analyses in academia"



**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.





# tech 12 | Why Our Program?

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



#### 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.



# 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.



#### 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.



### 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.



#### 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.



#### 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.



#### 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.



#### 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.





## tech 16 | Objectives

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

The **Postgraduate Diploma in Solvency** enables the student to:



Develop specialized knowledge on the implementation and operation of foreign countries' insurance companies in other countries: (i) within the European Union as well as from non-European Union countries



Delimiting the framework for compliance with the insurance activity



Develop the peculiarities of the insurance contract



Examine the international regulatory framework of the insurance market and its recent evolution

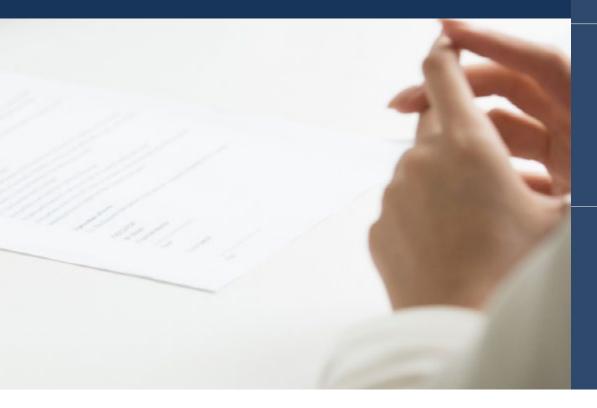




Analyze the evolution of insurance



Reflect on the insurance implications of non-sectorial regulations





Assess the impact of information security on the insurance legislative framework



Determine the interplay between consumer and insurance law and its consequences









### tech 22 | Structure and Content

#### **Syllabus**

This program will offer a content that will address various aspects related to insurance and hazard management, as well as the respective regulations. Likewise, the professional will focus on the analysis of the insurable peril, its classification, and risk surveillance. In addition, they will explore the distribution between insurers, addressing reinsurance and coinsurance.

The student will also be able to examine Solvency in detail, including its definition process, comparison with Solvency, scope of application, and structuring. Aspects related to operational risk, credit risk, and BSCR calculation will also be explored.

With this in mind, TECH has rigorously developed this Postgraduate Diploma in Solvency in order to provide business professionals with the tools and knowledge necessary to work in the insurance industry. In this way, you will be a reference in the subject and will be able to take giant steps in your work performance.

To achieve this, we present a program under a 100% online modality, which will give the students total freedom of access to a virtual library where they will find a diversity of multimedia resources. In addition, it will allow students to coordinate their daily activities with their learning activities since they will not be subject to a fixed schedule. This methodology, added to the implementation of Relearning, will allow the student to understand concepts in a faster and more effective way.

This Postgraduate Diploma takes place over 6 months and is divided into 3 modules:

Module 1	Insurance and Risk
Module 2	Composition of the economic balance sheet under the Solvency rules
Module 3	Solvency: prudent management of the insurance business



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

TECH offers the possibility of developing this Executive Postgraduate Diploma in Solvency completely online. Over the course of 6 months, you will be able to access all the contents of this program at any time, allowing you to self-manage your study time.

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

# tech 24 | Structure and Content

Mod	Module 1. Insurance and Risk							
1.1. 1.1.1. 1.1.2. 1.1.3.	Risk and its role in the insurance Activity Risk Contextualization Risk in Insurance Activity Risk behaviors	<b>1.2.</b> 1.2.1. 1.2.2. 1.2.3.	Insurable Risk Conditions for a Risk to be Insurable Risk Classification Risk Selection and Surveillance	1.3. 1.3.1. 1.3.2. 1.3.3.	Risk Distribution among insurance companies Risk Distribution Reinsurance Coinsurance	<b>1.4.</b> 1.4.1. 1.4.2. 1.4.3.	Elements of the Insurance Activity	
1.5.1. 1.5.2. 1.5.3.	,	1.6. 1.6.1. 1.6.2. 1.6.3.	Evolution of Solvency Regulations Concept of Solvency. Importance in the Insurance Sector Developments in Community legislation Solvency Regulations in Third Countries	1.7. 1.7.1. 1.7.2. 1.7.3.	Solvency and Risk  Quantitative Risk Assessment  Qualitative Risk Assessment  Information and Market Transparency	1.8.1. 1.8.2. 1.8.3.	9	
1.9.	Risk Management and its Role in Digital Transformation	1.10	Emerging Risks in the Insurance Activity					
1.9.1. 1.9.2. 1.9.3.	Digital Transformation. Contextualization Digital Transformation in the Insurance Activity Digital Transformation and Risk Management	1.10.2	. Cyber risks . ESG Risks . Other emerging risks					

Mod	ule 2. Composition of the economic ba	alance :	sheet under the Solvency Regulation				
2.1. 2.1.1. 2.1.2. 2.1.3. 2.1.4. 2.1.5. 2.1.6.	Solvency definition process Solvency I vs. solvency comparison Scope of Application	2.2. 2.2.1. 2.2.2. 2.2.3. 2.2.4. 2.2.5. 2.2.6.	Economic balance: Assets Asset Valuation (NF13) Intangible assets Financial and operating leases Tangible assets Inversions Matching adjustment and replicant Portfolio	2.3. 2.3.1. 2.3.2. 2.3.3.	estimate	2.4.1. 2.4.2. 2.4.3. 2.4.4. 2.4.5.	funds Quality of own funds, Equity Tier Minimum Capital Requirement (MCR)
<b>2.5.</b> 2.5.1. 2.5.2. 2.5.3.	Life underwriting risk Underwriting risk in life insurance Underwriting risk in death insurance Underwriting risk in health insurance (life insurance techniques)		Market Risks  Market Risk Interest Rate Risk Equity Risk Real estate risk Spread risk Concentration risk Currency risk	2.7.2.	Non-life underwriting risk  Non-life underwriting risk: Premium and reserve; fall and catastrophe Underwriting risk in health insurance (non-life techniques) USP Own parameters	2.8.1. 2.8.2. 2.8.3. 2.8.4. 2.8.5.	Operational risk, credit risk, and BSCR calculation Operational risk Methods for calculating operational risk Introduction to Credit Risk Methods for calculating operational risk Global Risk Aggregation Matrix BSCR
2.9.1. 2.9.2. 2.9.3. 2.9.4.	SCR between groups: financial situation  Participating entity Related entity Groups subject to monitoring Consolidation methods and calculation of the group's solvency	2.10.1 2.10.2 2.10.3 2.10.4	New regulations: IFRS 17  Nf 17 BBA Method VFA Method PAA Method Transition				

# tech 26 | Structure and Content

Mod	Module 3. Solvency: Private Management of the Insurance Activity							
3.1.2.	Governance and Risk Management System Aptitude and honorability Conflicts of Interest Risk Management System	3.2.1. 3.2.2. 3.2.3.	Own Risk and Solvency Assessment (ORSA) ORSA Process Significant risks: Stress testing and scenario analysis Description and contents of the ORSA report	3.3.1. 3.3.2. 3.3.3.		3.4.2.	Internal Control and Internal Audit Internal control system Internal Auditing Function Risk map	
	Actuarial Function Organizational Structure Lines of defense Scope of actuarial function	<b>3.6.</b> 3.6.1. 3.6.2. 3.6.3.	Financial and Solvency Report Governance System Risk Profile Valuation for solvency and capital management purposes		Periodic monitoring report Scope Objectives Expected future risks		Reporting Models Quantitative - Quarterly Information required for monitoring Taxonomy Periodicity	
3.9.1. 3.9.2. 3.9.3.	,	3.10.1 3.10.2	Internal Models. Other Considerations Internal Models Captive Companies Review of EU insurance regulations					





With the Relearning method, you will, reduce the hours of study and strengthen your understanding in the long term"



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.



## tech 30 | Methodology

# 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.





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.

## tech 32 | Methodology

#### 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.



### Methodology | 33 tech

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.





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.



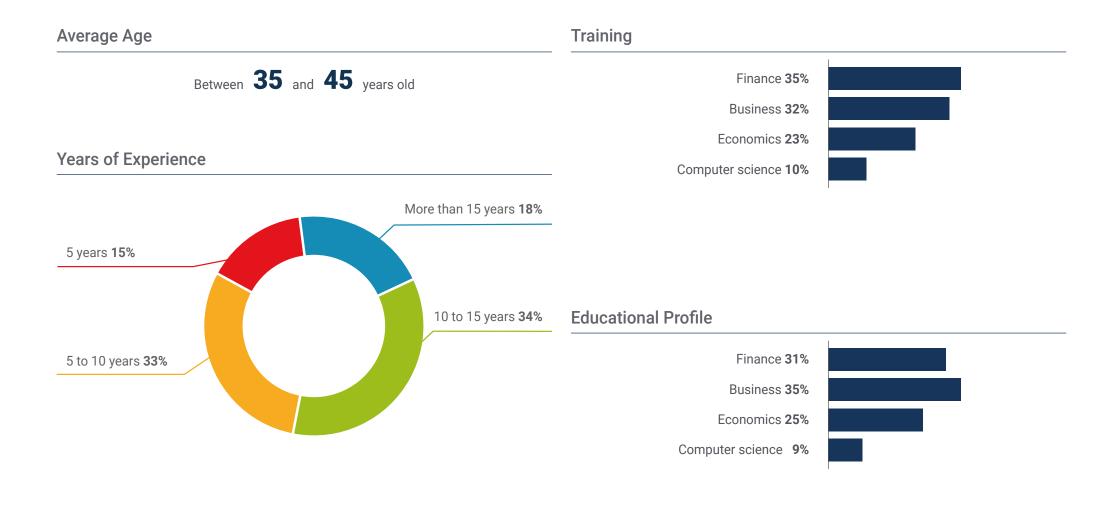


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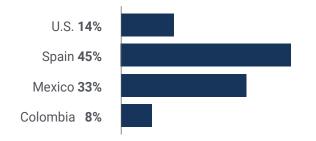




## tech 38 | Our Students' Profiles



## **Geographical Distribution**



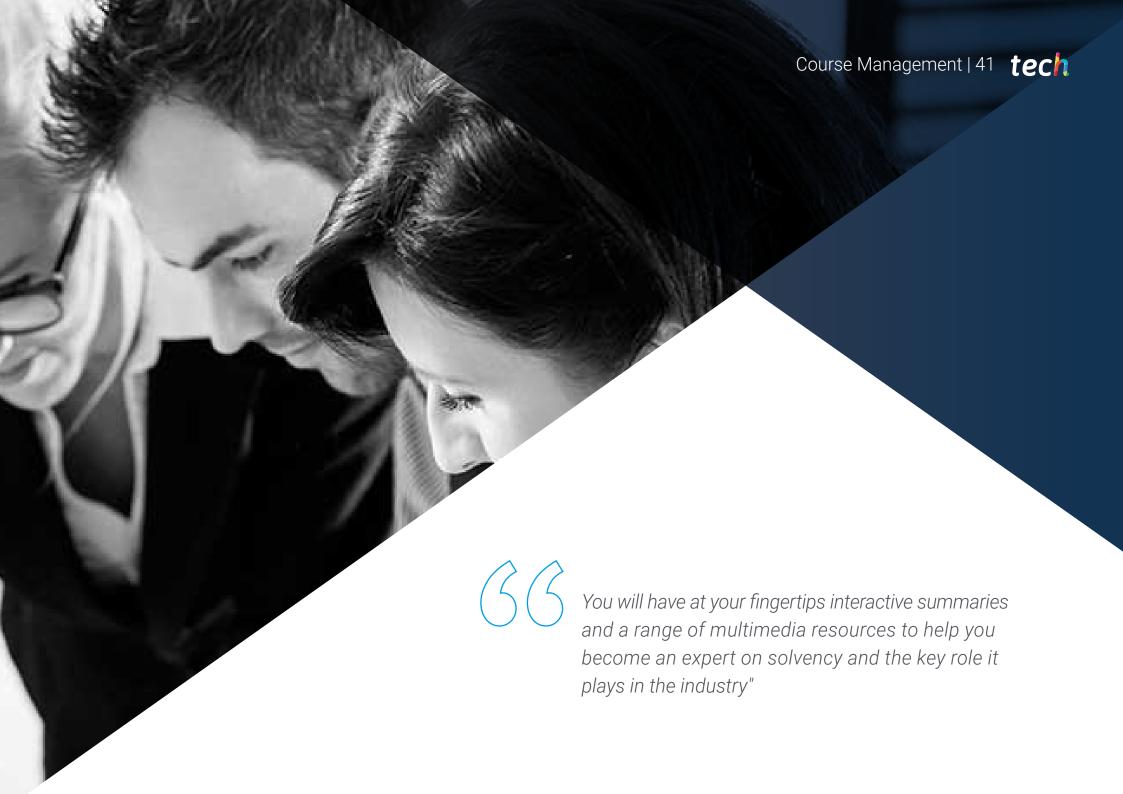


# Sofia Bermúdez

#### **Financial Advisor**

"From the moment I decided to focus my career in this sector, I have had the opportunity to acquire solid and relevant knowledge that has prepared me to face the challenges of the insurance industry"





# tech 42 | Course Management

#### Management



#### Ms. Cano Guerrero, Yolanda

- Counsel responsible for Indirect Taxation in ANDERSEN
- Specialist in digitalization and automation projects in Compliance
- Responsible for the development of the Indirect Taxation practice in Banking & Capital Markets, Asset Management
- International Projects Director at PwC
- Law degree from Universidad Complutense de Madrid
- Postgraduate Certificate in legal-business specialization from Universidad San Pablo CEU
- Master's Degree in Tax Consultancy for professionals from the Instituto de Empresa in Madrid

#### **Professors**

#### Ms. Palacios Barrera, Ana

- Risk Manager at ARAG SE
- Director of Internal Auditing at ARAG SE
- Inspector of Insurance Companies at the Superintendence of Banking and Insurance
- Degree in Economics from the University of Lima
- Master's Degree in Business Administration and Management MBA at ESADE
- Master's Degree in Digital Risk Management and Cybersecurity in EALDE Business School
- Postgraduate Degree in Advanced Management Control at ESADE
- Postgraduate degree in Solvency II at the University of Barcelona

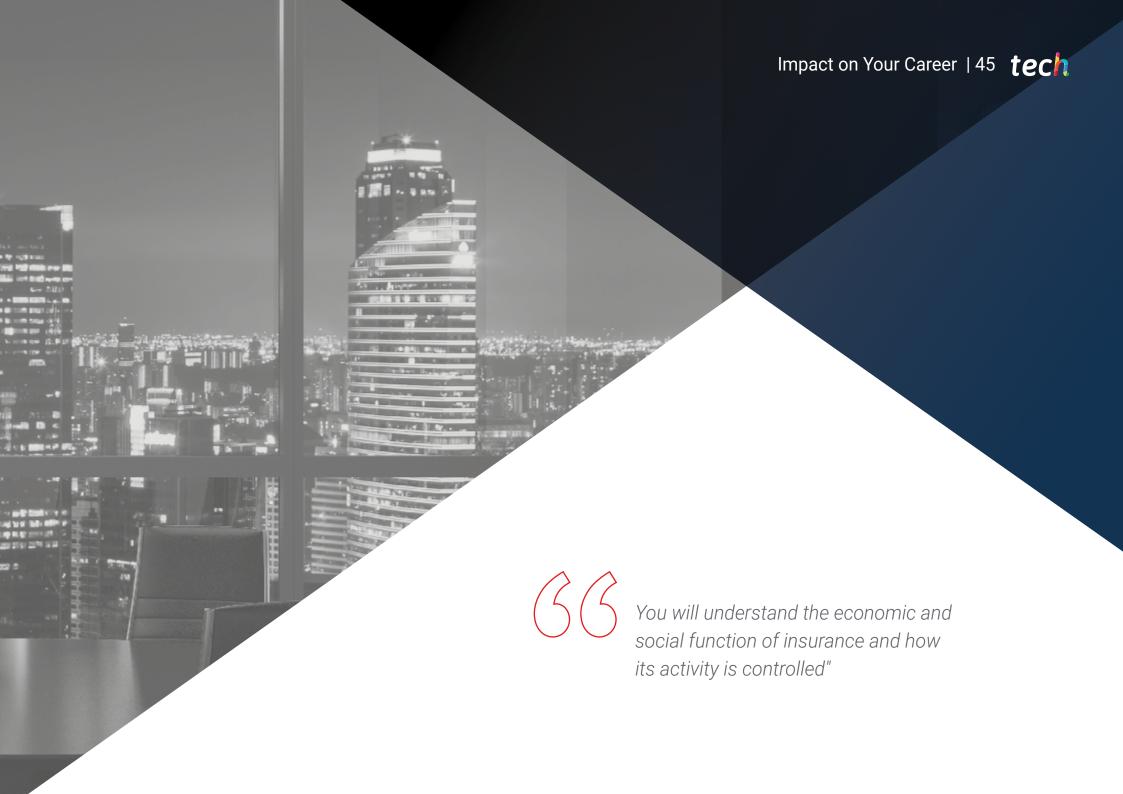
#### Mr. Cabrerizo Pardo, Jorge

- Insurance Actuary at Mapfre
- Senior Actuary of Life Solvency II/IFRS17 at Mapfre
- Individual Life business development area at Mapfre
- $\bullet$  Speaker at the IV Conference on Actuarial Research at ICEA
- Expert in business management techniques, Universidad Francisco de Vitoria
- Advanced course in Big Data for business management and marketing by the CEF
- Graduate in Business Administration and Management from the Universidad de Alcalá
- Postgraduate degree in Solvency II from the University of Barcelona
- Master's Degree in Actuarial and Financial Sciences from the Universidad Carlos III

#### Mr. Nova Rebanales, Rubén

- Actuarial Chief at Telefónica Seguros
- Actuarial Consultant Milliman Consultants and Actuaries
- Actuarial Consultant at Mercer del grupo Marsh Mc Lennan Companies
- Non-Life Actuary at Asemas
- Financial Controller of the Head Office of Mercure Hotel
- Data Analyst for Centro de Familias Emprendedoras in Monterrey
- Vice President of the National Federation of Digitalization and Blockchain
- President of the Association of Actuaries UC3M of Universidad Carlos III of Madrid of Madrid
- Training for executives in Digital Transformation in the insurance sector and Digital Risks for banking and insurance companies
- Graduate in Finance and Accounting from the University of Extremadura
- Master's Degree in Actuarial and Financial Sciences from Universidad Carlos III de Madrid





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

TECH's Postgraduate Diploma in Solvency is an intensive program that prepares you to face challenges and business decisions in the insurance field. 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 interact with the best, this is the place for you"

A high-level qualification with which you will assess quantitative and qualitative risk within the Solvency framework.

Register now, and you will explore Solvency regulatory developments and their impact on the industry.

#### Time of Change



#### Type of Change



## Salary Increase

This program represents a salary increase of more than 27.19% for our students

Salary before €57,000 A salary increase of

27.19%

Salary after **₹72,500** 





# tech 50 | Benefits for Your Company

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



#### 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.



# 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.



### **Building agents of change**

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



### Increased international expansion possibilities

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





## **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.

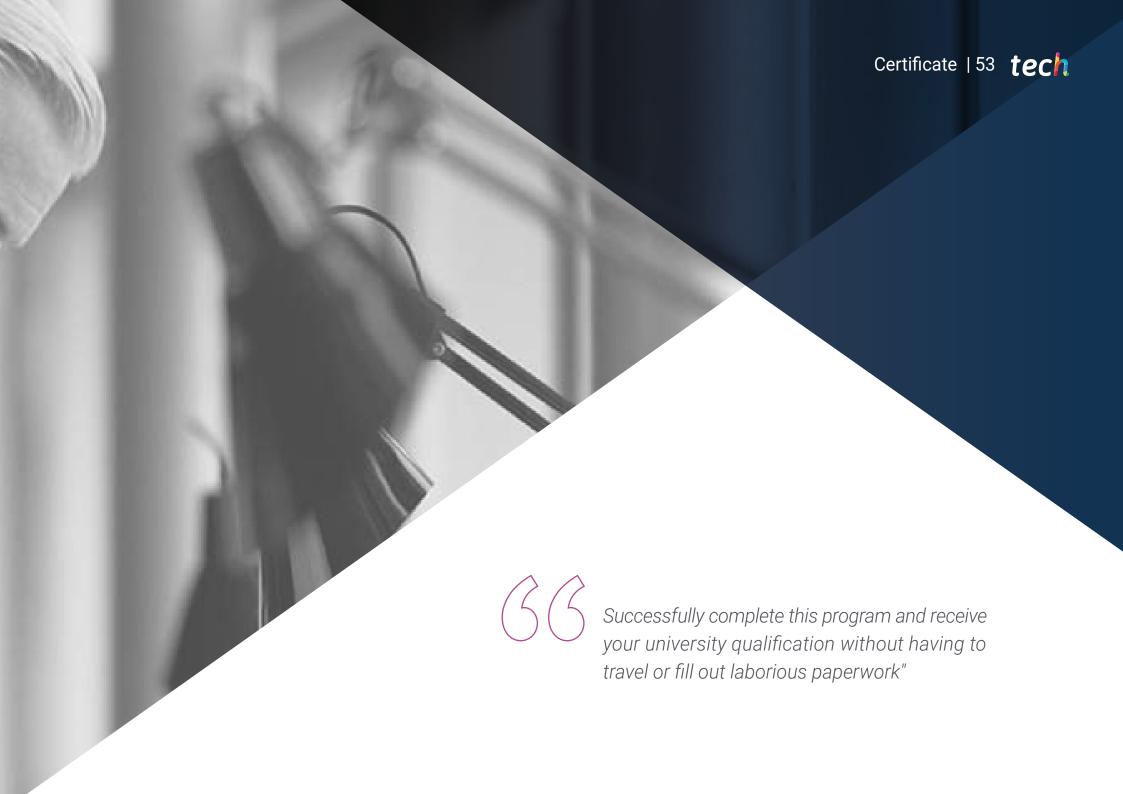


## Increased competitiveness

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







## tech 54 | Certificate

This program will allow you to obtain your **Postgraduate Diploma in Solvency** 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 Diploma in Solvency

Modality: online

Duration: 6 months

Credits: 18 ECTS



<sup>\*</sup>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.



# Postgraduate Diploma Solvency

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» Exams: online

