

# Postgraduate Certificate Actuarial Function





## Postgraduate Certificate Actuarial Function

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Schedule: at your own pace
- » Exams: online
- » Target Group: University graduates who have previously completed any of the qualifications in the fields of Finance, Business, Economics and Computer Science

Website: [www.techtitute.com/us/school-of-business/postgraduate-certificate/actuarial-function](http://www.techtitute.com/us/school-of-business/postgraduate-certificate/actuarial-function)

# Index

01

Welcome

---

*p. 4*

02

Why Study at TECH?

---

*p. 6*

03

Why Our Program?

---

*p. 10*

04

Objectives

---

*p. 14*

05

Structure and Content

---

*p. 20*

06

Methodology

---

*p. 26*

07

Our Students' Profiles

---

*p. 34*

08

Course Management

---

*p. 38*

09

Impact on Your Career

---

*p. 42*

10

Benefits for Your Company

---

*p. 46*

11

Certificate

---

*p. 50*

# 01 Welcome

The actuarial function is essential in the insurance field, enabling companies to assess and manage financial risks appropriately. Its importance has increased over the years, reflecting the evolution of the insurance industry and the need to make decisions based on data and statistical analysis. For this reason, more and more business professionals are in need of an update in the diagnosis of everyday situations. On this occasion, TECH has developed a 100% online program, which offers maximum adaptability, allowing students to combine a first class education with other aspects of their personal and professional life, since they will not be subject to rigid schedules.



Postgraduate Certificate in Actuarial Function  
TECH Technological University



“

*You will discover how the Governance and Risk Management System works to make fundamental decisions in your career”*

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:



### 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.



### Analysis

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TECH explores the student's critical side, their ability to question things, their problem-solving skills, as well as their interpersonal skills.



### Academic Excellence

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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.



*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

The objective of this program is to provide the students with the necessary tools and knowledge in the actuarial field. In this way, they will be able to evaluate and manage the financial risks associated with insurance policies. In such a way that they will be able to design optimal products.



“

*You will develop your skills to be a reliable and ethical professional in the insurance sector, thanks to this Postgraduate Certificate that only TECH will offer you”*

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

The **Postgraduate Certificate in Actuarial Function** qualifies students to:

01

Develop specialized knowledge on the implementation and operation of foreign countries' insurers in other countries: (i) within the European Union (EU) as well as from countries outside the European Union.

02

Develop the peculiarities of the insurance contract

03

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

04

Delimit the framework for compliance with the insurance activity

05

Analyze the evolution of insurance





06

Reflecting on the insurance implications of non-sectoral regulations

08

Determine the interplay between consumer and insurance regulations and its consequences



09

Develop specialized knowledge about insurance and the key concepts that define the insurance activity

07

Assess the impact of information security on the insurance legislative framework

10

Determine the importance of Risk as an essential element for the insurance activity

11

Examine the general functioning of the insurance activity and the regulations governing its activity

12

Establish the relevance of the management of risks faced by insurance companies as a key element in the management of insurance companies

13

Identify the most immediate challenges facing risk management

14

Analyze the global insurance market with a focus on the distribution business

15

Determine what is considered insurance distribution at both the European and international level



16

Identify the main players involved in the distribution business

18

Develop the key aspects of the regulatory compliance function



19

Identify international standards in regulatory compliance

17

Examining the importance of consumer protection measures

20

Specify the interrelationships between the compliance function and the rest of the organization

05

# Structure and Content

With this program, the students will be able to measure and manage the risks that an insurance company faces in its daily operations. In addition, they will be able to support the monitoring of the process and the interaction with the data, ensuring the availability and adequacy of these, as well as the control processes. All this will be done taking into account the current regulations and following the opinion and standards established by international institutions.



“

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

## Syllabus

This Postgraduate Certificate in Actuarial Function will cover fundamental aspects such as the governance and risk management system, internal risk assessment, risk solvency (ORSA), and the Actuarial Function in insurance organizations. Likewise, the essential role in the calculation of premiums, the design of optimal insurance products and the adequate management of financial reserves will be highlighted.

Topics such as the revision of European Union insurance standards, annual and quarterly quantitative reporting models, valuation for solvency purposes and capital management will also be addressed. In addition, the risk map and the analysis of expected future risks will be included. Significant risks, including stress tests and scenario analyses, will also be discussed.

Being consistent with this, an academic proposal has been designed, which will be available in a 100% online format. In this way, students will have the opportunity to access a wide variety of multimedia materials, such as specialized readings and interactive summaries. In addition, the *Relearning* methodology will be implemented, guaranteeing a unique and effective learning experience. In addition, participants will be able to access the content at any time and place, as they will only need an electronic device with an Internet connection.

This Postgraduate Certificate takes place over 6 weeks and it consists of 1 module:

### Module 1.

Solvency II: prudent management of the insurance business



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

TECH offers the possibility of developing this Postgraduate Certificate in Actuarial Function 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. Solvency II: Private Management of the Insurance Activity**

**1.1. Governance and Risk Management System**

- 1.1.1. Fitness and Honorability
- 1.1.2. Conflict of Interest
- 1.1.3. Risk Management System

**1.2. Internal Risk and Solvency Assessment (ORSA)**

- 1.2.1. ORSA Process
- 1.2.2. Significant Risks: Stress Testing and Scenario Analysis
- 1.2.3. Description and Contents of the ORSA Report

**1.3. Risk Appetite and Tolerance**

- 1.3.1. Considerations for Determining Risk Appetite
- 1.3.2. Methodology
- 1.3.3. Reference Frameworks

**1.4. Internal Control and Internal Audit**

- 1.4.1. Internal Control System
- 1.4.2. Internal Audit Function
- 1.4.3. Risk Map

**1.5. Actuarial Function**

- 1.5.1. Organizational Structure
- 1.5.2. Lines of Defense
- 1.5.3. Scope of the Actuarial Function

**1.6. Solvency and Financial Condition Report**

- 1.6.1. Governance System
- 1.6.2. Risk Profile
- 1.6.3. Valuation for Solvency and Capital Management Purposes

**1.7. Periodic Supervisory Report**

- 1.7.1. Scope
- 1.7.2. Objectives
- 1.7.3. Risks Foreseen in the Future

**1.8. Reporting Models Quantitative - Quarterly**

- 1.8.1. Information Required for Monitoring
- 1.8.2. Taxonomy
- 1.8.3. Periodicity

**1.9. Reporting Models Quantitative - Annual**

- 1.9.1. Information required for monitoring
- 1.9.2. Taxonomy
- 1.9.3. Periodicity

**1.10. Internal Models. Other Considerations**

- 1.10.1. Internal Models
- 1.10.2. Captive Companies
- 1.10.3. Review of EU Insurance Rules





“

*In just 6 weeks you will be able to master the Risk Management System and effectively protect your customers"*

# 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.*



### 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.



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 Postgraduate Certificate is aimed at university graduates who have previously completed any of the following qualifications in the field of Finance, Business, Economics and Computer Science.

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

Professionals who, being university graduates in any area, have two years of work experience in the insurance field, may also take the Postgraduate Certificate.



“

*You will increase your knowledge about the Internal Risk and Solvency Assessment (ORSA) for an optimal management of your company"*

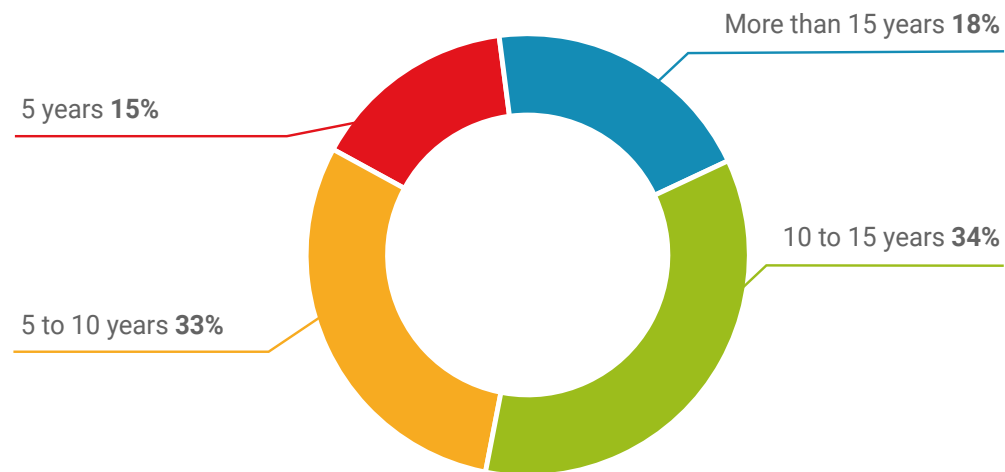
### Average Age

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

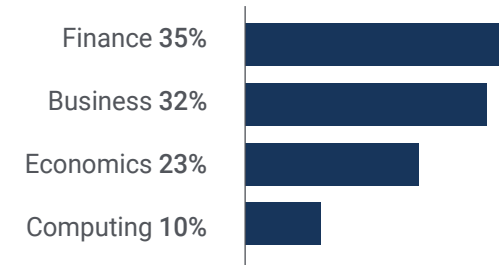
### Years of Experience

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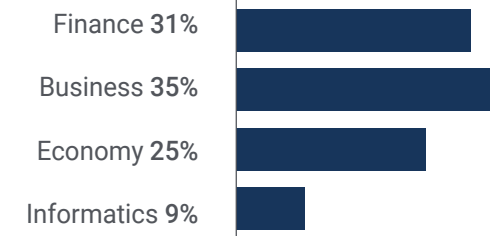
### Training

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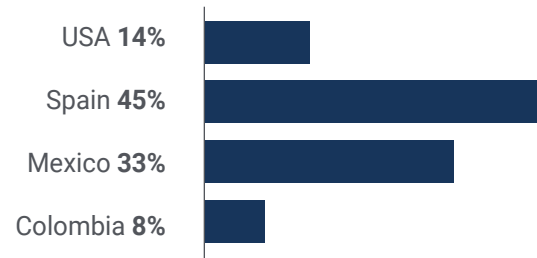
### Educational Profile

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## Geographical Distribution

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## Celina Cifuentes

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Treasury manager in an insurance company

*"I chose to study this Postgraduate Certificate and from day one I realized that I had made the right decision. During my time in this academic experience, I had the opportunity to participate in exciting and challenging research projects, which allowed me to develop solid technical skills and acquire an innovative mindset"*

08

# Course Management

This program has leading experts in areas such as insurance, tax and legal advice. In this way, students will enjoy an exceptional academic experience, designed by recognized and renowned professionals in this field. By opting for this program, business professionals will be able to access top-quality classes that will give them the opportunity to excel and progress quickly in their career.



A black and white photograph showing three people from a different perspective, looking down at a screen. The image is partially obscured by a dark blue diagonal shape that covers the top right and bottom right portions of the page.

“

*You will learn how to manage Conflicts of Interest and ensure transparency in your insurance operations"*

## Management



### Ms. Cano Guerrero, Yolanda

- ♦ Counsel responsible for Indirect Taxation at ANDERSEN
- ♦ Specialist in digitalization and automation projects in Compliance
- ♦ Responsible for the development of the Indirect Taxation practice at *Banking & Capital Markets, Asset Management*
- ♦ Director of international projects at PwC
- ♦ Law degree from the Complutense University of Madrid
- ♦ Postgraduate Certificate in Business Law from the San Pablo CEU University
- ♦ Professional Master's Degree in Tax Consultancy for professionals from the Madrid Business Institute





## Professors

### Mr. Nova Rebanales, Rubén

- ◆ Chief Actuarial Officer at Telefónica Insurance
- ◆ Actuarial Consultant - *Milliman Consultants and Actuaries*
- ◆ Actuarial Consultant at *Mercer of the Marsh Mc Lennan Companies group*
- ◆ Non-Life Actuary at Asemas
- ◆ Financial *Controller* at the Head Office of Mercure Hotel
- ◆ Data Analyst for the Center for Entrepreneurial Families in Monterrey
- ◆ Vice President of the National Federation of Digitalization and Blockchain
- ◆ President of the Association of Actuaries UC3M of the Carlos III University 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
- ◆ Professional Master's Degree in Actuarial and Financial Sciences from Carlos III University of Madrid

“

*Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice”*

09

# Impact on Your Career

After completing this program, graduates will experience a marked improvement in their careers, as they will have the opportunity to explore various career opportunities and independence. In addition, they will acquire strategic skills and establish a solid network of contacts, which will allow them to enrich their learning in the field. As a result, they will be ready to face new challenges in the insurance industry.



“

*Through a 100% online format, you will learn in detail how to prepare and submit the ORSA report to comply with international standards”*

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

TECH's Postgraduate Certificate in Actuarial Function 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 network with the best, then this is the place for you.

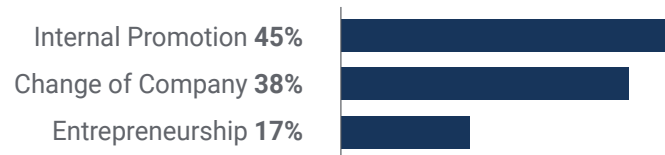
*You will understand the importance of Internal Control and Auditing to ensure efficiency and quality in your operations.*

*In just 6 weeks you will tolerate risk situations and make strategic decisions based on reliable data.*

#### Time of change



#### Type of change



## Salary increase

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



10

# Benefits for Your Company

After completing the program, the graduates will have acquired a complete knowledge of the risk management system and will be prepared to play a key role in the company. As a result, they will provide the organization with superior quality advice and analysis of daily situations that will allow them to adopt the best underwriting strategy. As a result, you will be able to lead to more efficient management, strengthening policyholder protection and industry stability.



“

*You will discover the importance of the Actuarial Function in insurance organizations and how it contributes to financial success”*

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 Actuarial Function 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 Actuarial Function** 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 diploma 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 Actuarial Function**

Official N° of Hours: **150 h.**



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



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