

# Postgraduate Certificate

## Gamma Volatility Strategies with Equity Derivatives



## Postgraduate Certificate Gamma Volatility Strategies with Equity Derivatives

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online
- » Target Group: University Graduates who have previously completed any of the programs in the field of Financial Economics, Accounting, Business or Social and Legal Sciences.

Website: [www.techtitute.com/pk/school-of-business/postgraduate-certificate/gamma-volatility-strategies-equity-derivatives](http://www.techtitute.com/pk/school-of-business/postgraduate-certificate/gamma-volatility-strategies-equity-derivatives)

# 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. 18*

06

Methodology

---

*p. 24*

07

Our Students' Profiles

---

*p. 32*

08

Course Management

---

*p. 36*

09

Impact on Your Career

---

*p. 40*

10

Benefits for Your Company

---

*p. 44*

11

Certificate

---

*p. 48*

# 01 Welcome

The volatility of equities became important for market operators, due to relevant events such as the Greek crisis in the summer of 2015 and the fall in oil prices in 2016. Therefore, volatility is a margin of uncertainty where different investors react in different ways. Accordingly, this field of study has taken so much importance in the sector globally, giving opening to this program where it will contribute to the professional relevant content related to the different possibilities of combinations of options to progressively improve the performance of the portfolio. All of this will be supported by an audiovisual content that will provide greater dynamism to the program, in addition to the comfort with the 100% online modality.



Postgraduate Certificate in Gamma Volatility Strategies with Equity Derivatives  
TECH  
Technological University



“

*TECH offers you exclusive content in Gamma Volatility Strategies that will take you to position yourself among the best in the financial sector"*

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

---

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 groundbreaking 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

This program in Gamma Volatility Strategies with Equity Derivatives will offer the trader the most innovative updates on the principles of equity investment, with special emphasis on two key elements such as profitability and risk. In this way, TECH provides high quality multimedia tools, achieving success in the development of this academic program. In this way, at the end of the program, students will have reinforced their skills in the most important volatility indexes in international financial markets.



“

*You will have at your disposal the best and most innovative didactic tools to successfully carry out the development and completion of the program"*

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

This **Postgraduate Certificate in Gamma Volatility Strategies with Equity Derivatives** will enable the student to:

01

Analyze the financial derivatives markets, from their origins in forward transactions to the present day, given that millions of transactions take place every day and involve large equivalent amounts of capital

04

Determine and compare the management of these expectations with combined option figures

02

Delve into the principles of equity investing, with special emphasis on the two key elements of return and risk

03

Delve deeper into the characteristics of trading platforms and derivative contracts in international markets

05

Differentiate the risks that are inherent in strategies to exploit bullish versus bearish volatility expectations





06

Examine the possibilities offered by calendar combinations between bought and sold options with different maturities

08

Examine the possibilities offered by combinations of put and call options with different maturities to improve portfolio performance

09

Detail the particularities of the most common exotic choices

07

Analyze and compare the different possibilities of option combinations to progressively improve portfolio performance

10

Compare the results of each exotic option to improve the return-risk ratio of the equity investment



05

# Structure and Content

The Postgraduate Certificate in Gamma Volatility Strategies with Equity Derivatives is a program that is specifically focused on skills with an eye towards the difficulties of optimizing neutral volatility expectations within the area of Finance. In this way, the program is oriented on a strictly theoretical-practical pillar along with a robust experience and extensive knowledge of a highly qualified faculty.



“

*A syllabus designed by specialists with high quality content is crucial for the successful enhancement of your knowledge”*

## Syllabus

This academic program incorporates 6 weeks of online learning, in which students will reach the top of their professional career through the highest level of teaching. In this way, the student will apply to the most important vacancies in the financial sector, assuming with solidity each of the difficulties that the work environment provides. In this way, this university program provides a variety of competencies related to options positions and volatility expectations.

Therefore, this teaching staff has developed a prestigious syllabus that integrates 1 module, with the intention of providing the professional with a great amount of knowledge about the difficulties to optimize neutral volatility expectations.

For this reason, the student of this program will learn the use of cones and cradles with bearish expectations of volatility, managing to dominate the area of Gamma Volatility Strategies. Therefore, the graduate will be among the best specialists in *Trading* with emphasis on difficulties to optimize neutral volatility expectations.

In this way, TECH focuses on academic excellence, so this program provides the most revolutionary updates in this field of study, positioning the professional at the top of the area of finance at the end of this course. Students will only need an electronic device with good Internet coverage and in this way they will easily access the virtual platform from wherever they are.

This Postgraduate Certificate is developed over 6 weeks and is divided into 1 module.

### Module 1

### Gamma Volatility Strategies with Equity Derivatives

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

TECH offers students the opportunity to take this Postgraduate Certificate in Gamma Volatility Strategies with Equity Derivatives entirely 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. Gamma Volatility Strategies with Equity Derivatives**

**1.1. Volatility as a Financial Product and Its Influence on Option Premiums**

- 1.1.1. Most Important Volatility Indexes in International Financial Markets
- 1.1.2. Derivative Products Whose Underlying in a Volatility Index
- 1.1.3. Influence of Volatility on the Option Premium

**1.2. Option Positions and Volatility Expectations. Optimization**

- 1.2.1. Optimization in the Context of Bullish Volatility Expectations
- 1.2.2. Optimization in the Context of Low Volatility Expectations
- 1.2.3. Difficulties in Optimizing Neutral Volatility Expectations

**1.3. Management of Bullish Volatility Expectations with Cones**

- 1.3.1. Cone: How It Is Formed
- 1.3.2. Advantages of Managing Bullish Volatility Expectations with Cones
- 1.3.3. Derivative Risks

**1.4. Management of Bullish Volatility Expectations with Cradles**

- 1.4.1. Cradle: How It Is Formed
- 1.4.2. Comparison of the Use of Cradles versus the Use of Cones
- 1.4.3. Optimization of the Results through the Use of Cradles

**1.5. Management of Bullish Volatility Expectations with Ratios**

- 1.5.1. Preference for Bearish Ratios (with *Puts*)
- 1.5.2. Comparison of the Use of Bearish Ratios versus the Use of Purchased *Puts*
- 1.5.3. Optimization of Results through the Use of Bearish Ratios

**1.6. Bullish Volatility Expectation Management with Butterflies and Condors**

- 1.6.1. Butterfly and Condor; How They Are Formed
- 1.6.2. Comparison of Butterflies and Condors with Respect to Cones and Cradles, Respectively
- 1.6.3. Optimization of Results through the Use of Butterflies and Condors

**1.7. Use of Cones and Cradles with Bearish Volatility Expectations**

- 1.7.1. Training of Cones and Cradles Sold
- 1.7.2. Advantages of These Combinations Compared to Option Selling Strategies
- 1.7.3. Risk Management of These Combined Strategies

**1.8. Use of Ratios with Bearish Volatility Expectations**

- 1.8.1. Training of Ratios with Dominance of Sold Items
- 1.8.2. Advantage of Sold Ratios over Basic Option Selling Strategies
- 1.8.3. Risk Management Derived from Sold Ratios

**1.9. Use of Butterflies and Condors with Bearish Volatility Expectations**

- 1.9.1. Training of Butterflies and Condors Purchased
- 1.9.2. Advantages of These Positions over the Use of Sold Cones and Cradles
- 1.9.3. Optimization of Bearish Expectations of Volatility

**1.10. Optimization of Volatility Gamma Strategies with Calendar Combinations**

- 1.10.1. Ratios Sold Calendar
- 1.10.2. Butterflies Purchased Calendar
- 1.10.3. Condors Purchased Calendar



“

*With TECH you will get the latest updates in performance optimization through the use of cradles”*

# 06

# Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.







“

*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## TECH Business School uses the Case Study to contextualize all content

Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

“ *At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world*”



*This program prepares you to face business challenges in uncertain environments and achieve business success.*



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

### A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch to present executives with challenges and business decisions at the highest level, whether at the national or international level. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and business reality is taken into account.

“

*You will learn, through collaborative activities and real cases, how to solve complex situations in real business environments”*

The case method has been the most widely used learning system among the world's leading business schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question we face in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They must integrate all their knowledge, research, argue and defend their ideas and decisions.

## Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

*Our online system will allow you to organize your time and learning pace, adapting it to your schedule. You will be able to access the contents from any device with an internet connection.*

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our online business school is the only one in the world licensed to incorporate this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.



In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

With this methodology we have trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, markets, and financial instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.



This program offers the best educational material, prepared with professionals in mind:



### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



### Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



### Management Skills Exercises

They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager needs to develop in the context of the globalization we live in.



### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





### Case Studies

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best senior management specialists in the world.



### Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



07

# Our Students' Profiles

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

The diversity of participants with different academic profiles and from multiple nationalities makes up the multidisciplinary approach of this program.

The Postgraduate Certificate may also be taken by professionals who, being university graduates in any area, have two years of work experience in the field of Finance.







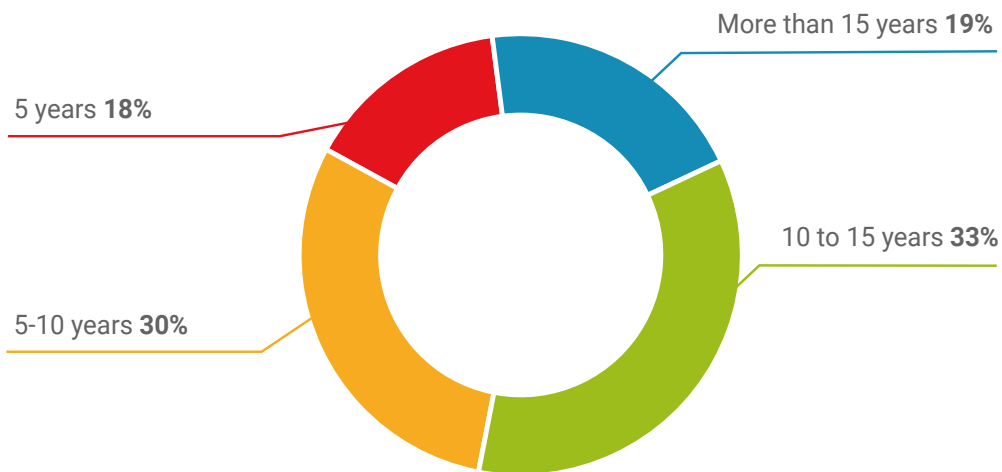
“

*If you have experience in Gamma Volatility Strategies, and you are looking for an interesting improvement in your career while you continue working, this is the program for you"*

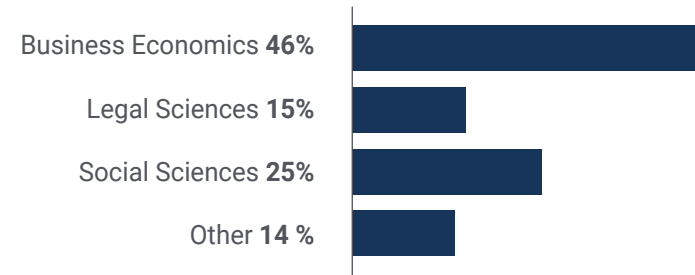
### Average Age

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

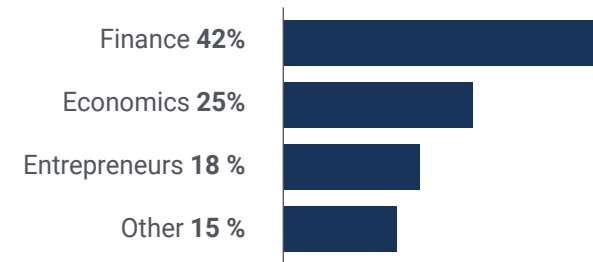
### Years of Experience



### Training

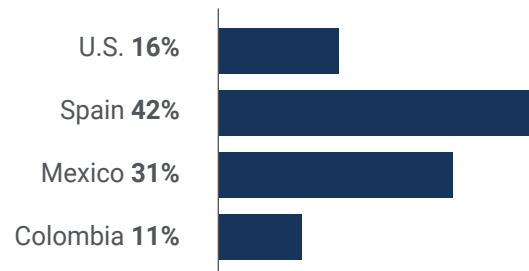


### Academic Profile



## Geographical Distribution

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## Roberto Quijada

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Private banking manager

*"For me doing this program was a big change in my career. It made it easier for me to see much more optimal strategic analysis and methods. All this led me to the optimization of investment portfolios and to progress in my professional career"*

08

# Course Management

TECH is efficiency and excellence in education, since its programs integrate important learning mechanisms of the highest level, making it the best option to optimally execute each of its programs. In this way, the graduate will be able to access a wide variety of high value material designed by an expert teaching staff in Economics and Business Administration, Business Administration and Management, Accounting and Finance. In this way, their abundant experience and extensive knowledge in the sector will allow students to solve any conflicts that may arise during the course of the program.



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.

“

*This program articulates a highly experienced and renowned teaching team in the field of Gamma Volatility Strategies”*

## Management



### Dr. Sarto Marzal, José Luis

- ♦ Portfolio manager in organized derivatives markets
- ♦ Chief Financial Officer at Celulosa Fabril
- ♦ Teacher in Graduate Degree in Finance and Accounting at the University of Zaragoza
- ♦ Doctorate in Economics and Business Administration with Cum Laude mention from the University of Zaragoza
- ♦ Degree in Economics and Business Administration with a major in Finance from the University of Zaragoza

## Professors

### Dr. Serrano Cored, Miguel

- ♦ Expert in Accounting and Finance
- ♦ Outbound Advisor (Work Force Management - WFM) at Majorel SP Solutions
- ♦ Team Leader of Collection Agents at Majorel SP Solutions
- ♦ Collections Agent at Majorel SP Solutions
- ♦ Administrative at Ibercaja
- ♦ D. in Accounting and Finance
- ♦ Degree in Business Administration and Management with a major in Finance from the University of Zaragoza
- ♦ Postgraduate Certificate in Business Science
- ♦ Master's Degree in Accounting and Finance from the University of Zaragoza

### Dr. Andreu Sánchez, Laura

- ♦ Accounting and Finance Expert
- ♦ Researcher in projects supported by the Ministry of Science and Innovation and the Government of Aragon
- ♦ Teacher in Masters, Diplomas and Degrees at the University of Zaragoza
- ♦ D. in Accounting and Finance with distinction Cum Laude from the University of Zaragoza
- ♦ Degree in Business Administration and Management from the University of Zaragoza
- ♦ Postgraduate Certificate of Specialization in Financial Advisory and Wealth Management from the University of Zaragoza



09

# Impact on Your Career

This program has been developed with the intention of offering the graduate the most current and innovative skills with which they will be able to meet the various challenges that revolve around the Finance sector. In this way, TECH emphasizes the provision of learning at the highest levels, with emphasis on the training of butterflies and condors purchased.







“

*Deepen your knowledge and become a trader specialized in optimizing gamma Volatility strategies with Calendar Combinations"*

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

TECH's Executive Master's Degree in Equity Financial Derivatives Trading is an intensive program that prepares you to face challenges and business decisions in the field of finance. 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.

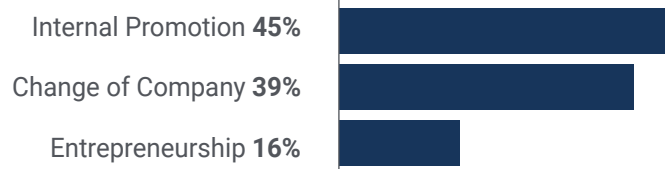
*Don't miss the opportunity to train with us and you will find the career boost you were looking for.*

*If you want to make a positive change in your profession, the Executive Master's Degree in Equity Financial Derivatives Trading will help you achieve it.*

#### When the change occurs



#### Type of change



### Salary increase

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This program represents a salary increase of more than **26.24%** for our students



10

# Benefits for Your Company

This program contributes to elevating the organization's talent to its maximum potential through the instruction of high-level leaders.

In addition, participating in this university option is a unique opportunity to access a powerful network of contacts in which to find future professional partners, customers or suppliers.



“

*In the digital era, managers must integrate new processes and strategies that bring about significant changes and organizational development. This is only possible through learning and university and university updating”*

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.

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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 in Gamma Volatility Strategies with Equity Derivatives 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 Gamma Volatility Strategies with Equity Derivatives** contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Gamma Volatility Strategies with Equity Derivatives**  
Official N° of Hours: **150 h.**



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



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# Postgraduate Certificate

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