

# Postgraduate Certificate

## Delta Directional Strategies with Equity Derivatives



## Postgraduate Certificate Delta Directional Strategies with Equity Derivatives

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online
- » Aimed at: 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/us/school-of-business/postgraduate-certificate/delta-directional-strategies-equity-derivatives](http://www.techtitute.com/us/school-of-business/postgraduate-certificate/delta-directional-strategies-equity-derivatives)

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# 01 Welcome

In a world that has been evolving and generates daily progress in the financial markets sector, investors are constantly looking for strategies that can help them manage risk and achieve constant returns. One of those strategies is the Delta. Therefore, TECH has developed a new academic program that will provide knowledge and skills related to the characteristics of trading platforms and derivative contracts in international markets. All this supported with the new modality Relearning and with 180 hours of content of the highest standards selected exclusively by experts in Trading, in addition to having the pedagogical methodology 100% online.



Postgraduate Certificate in Delta Directional Strategies with Equity Derivatives  
TECH Global University



“

*TECH will give you solid knowledge to achieve the goals you have set in your professional area with the most current content in Delta Directional Strategies”*

02

# Why Study at TECH?

TECH is the world's largest 100% online business school. It is an elite business school, with a model based on the highest academic standards. A world-class center for intensive managerial skills education.



“

*TECH is a university at the forefront of technology, and puts all its resources at the student's disposal to help them achieve entrepreneurial success"*



## At TECH Global University



### Innovation

The university offers an online learning model that balances the latest educational technology with the most rigorous teaching methods. A unique method with the highest international recognition that will provide students with the keys to develop in a rapidly-evolving world, where innovation must be every entrepreneur's focus.

"*Microsoft Europe Success Story*", for integrating the innovative, interactive multi-video system.



### The Highest Standards

Admissions criteria at TECH are not economic. Students don't need to make a large investment to study at this university. However, in order to obtain a qualification from TECH, the student's intelligence and ability will be tested to their limits. The institution's academic standards are exceptionally high...

**95%** | of TECH students successfully complete their studies



### Networking

Professionals from countries all over the world attend TECH, allowing students to establish a large network of contacts that may prove useful to them in the future.

**+100000**

executives prepared each year

**+200**

different nationalities



### Empowerment

Students will grow hand in hand with the best companies and highly regarded and influential professionals. TECH has developed strategic partnerships and a valuable network of contacts with major economic players in 7 continents.

**+500**

collaborative agreements with leading companies



### Talent

This program is a unique initiative to allow students to showcase their talent in the business world. An opportunity that will allow them to voice their concerns and share their business vision.

After completing this program, TECH helps students show the world their talent.



### Multicultural Context

While studying at TECH, students will enjoy a unique experience. Study in a multicultural context. In a program with a global vision, through which students can learn about the operating methods in different parts of the world, and gather the latest information that best adapts to their business idea.

TECH students represent more than 200 different nationalities.



TECH strives for excellence and, to this end, boasts a series of characteristics that make this university unique:



### Analysis

---

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



### Academic Excellence

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TECH offers students the best online learning methodology. The university combines the *Relearning* methodology (the most internationally recognized postgraduate learning methodology) with Harvard Business School case studies. A complex balance of traditional and state-of-the-art methods, within the most demanding academic framework.



### Economy of Scale

---

TECH is the world's largest online university. It currently boasts a portfolio of more than 10,000 university postgraduate programs. And in today's new economy, **volume + technology = a groundbreaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.



### Learn with the best

---

In the classroom, TECH's teaching staff discuss how they have achieved success in their companies, working in a real, lively, and dynamic context. Teachers who are fully committed to offering a quality specialization that will allow students to advance in their career and stand out in the business world.

Teachers representing 20 different nationalities.



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

03

# Why Our Program?

Studying this TECH program means increasing the chances of achieving professional success in senior business management.

It is a challenge that demands effort and dedication, but it opens the door to a promising future. Students will learn from the best teaching staff and with the most flexible and innovative educational methodology.



“

*We have highly qualified teachers and the most complete syllabus on the market, which allows us to offer you education of the highest academic level”*

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

**01**

### A Strong Boost to Your Career

By studying at TECH, students will be able to take control of their future and develop their full potential. By completing this program, students will acquire the skills required to make a positive change in their career in a short period of time.

*70% of students achieve positive career development in less than 2 years.*

**02**

### Develop a strategic and global vision of the company

TECH offers an in-depth overview of general management to understand how each decision affects each of the company's different functional fields.

*Our global vision of companies will improve your strategic vision.*

**03**

### Consolidate the student's senior management skills

Studying at TECH means opening the doors to a wide range of professional opportunities for students to position themselves as senior executives, with a broad vision of the international environment.

*You will work on more than 100 real senior management cases.*

**04**

### You will take on new responsibilities

The program will cover the latest trends, advances and strategies, so that students can carry out their professional work in a changing environment.

*45% of graduates are promoted internally.*

05

### Access to a powerful network of contacts

TECH connects its students to maximize opportunities. Students with the same concerns and desire to grow. Therefore, partnerships, customers or suppliers can be shared.

*You will find a network of contacts that will be instrumental for professional development.*

06

### Thoroughly develop business projects

Students will acquire a deep strategic vision that will help them develop their own project, taking into account the different fields in companies.

*20% of our students develop their own business idea.*

07

### Improve soft skills and management skills

TECH helps students apply and develop the knowledge they have acquired, while improving their interpersonal skills in order to become leaders who make a difference.

*Improve your communication and leadership skills and enhance your career.*

08

### You will be part of an exclusive community

Students will be part of a community of elite executives, large companies, renowned institutions, and qualified teachers from the most prestigious universities in the world: the TECH Global University community.

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

# 04 Objectives

This Postgraduate Certificate in Delta Directional Strategies with Equity Derivatives will provide the negotiator with important updates in delving into the principles of equity investment, with special emphasis on two key elements such as profitability and risk within the field of *Trading*. In this sense, TECH offers essential resources for optimal learning, ensuring successful program development. At the end of the course, the professionals will have enhanced their knowledge in the advantages and risks of managing bearish expectations with *spreads*.



“

*With TECH you will delve into competences related to the optimization of directional strategies with calendar combinations”*



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

The **Postgraduate Certificate in Delta Directional Strategies with Equity Derivatives** enable the students 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 Delta Directional Strategies with Equity Derivatives is a program that is specifically focused on competencies related to risks of managing bullish expectations selling *puts*. This academic qualification is guided to a theoretical-practical structure accompanied by the robust knowledge and a great background of a highly qualified teaching staff.



“

*You are just one click away from starting  
the most complete academic syllabus  
with a 100% online study modality”*

## Syllabus

This university program integrates 150 teaching hours, in which the graduates through an elite teaching will reach the peak of their professional career. Also, the professionals will be able to apply to the best vacancies in the financial sector, facing with rigor the most important moments available to the work environment. Therefore, this program grants a variety of skills regarding the limits of optimization and leverage involved.

In this way, the team of experts has developed a syllabus that incorporates 1 module, with the objective of providing the professionals with important competences related to the synthesis of the portfolio by purchasing *calls* and risks to consider.

In that sense, the graduates who take this Postgraduate Certificate will delve into issues such as the limitations that the sale of *puts* provokes when synthesizing the portfolio. The professionals will be positioned among the most important specialists in management and optimization of bearish expectations with combined strategies of options.

Therefore, TECH thinks of comfort and excellence. That's why this academic program gives the most complete and exclusive update, where it also achieves the flexibility of time by only needing an electronic device with an Internet connection and so, seamlessly access the virtual platform from the comfort of your home.

This Postgraduate Certificate is developed over 6 weeks consists of 1 module:

### Module 1

### Directional Delta Strategies with Equity Derivatives



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

TECH offers the possibility of developing this Postgraduate Certificate in Delta Directional Strategies with Equity Derivatives in a totally online way. 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.** Directional Delta Strategies with Equity Derivatives

**1.1. Bullish Strategies Equivalent to Holding a Portfolio of Equities**

- 1.1.1. Calculation of the Delta of an Equity Portfolio and Its Synthesis through Futures Purchases
- 1.1.2. Summary of the Portfolio through the Purchase of Calls and Risks to Be Considered
- 1.1.3. Limitations Caused by the Sale of Puts When Synthesizing the Portfolio

**1.2. Management of Bullish Expectations with Purchase of Calls**

- 1.2.1. Delta Management
- 1.2.2. Gamma Management
- 1.2.3. Risks of Managing Bullish Expectations by Buying Calls

**1.3. Management of Bullish Expectations by Selling Puts**

- 1.3.1. Joint Management of Delta and Gamma
- 1.3.2. Theta Management
- 1.3.3. Risks of Managing Bullish Expectations by Selling Puts

**1.4. Optimizing Bullish Expectations with Basic Options Strategies**

- 1.4.1. Optimization with *Call* Buying
- 1.4.2. Optimization with *Put* Sales
- 1.4.3. Limits of Optimization and Leverage Involving

**1.5. Management of Bullish Expectations with Spreads**

- 1.5.1. Spread: How It Is Formed
- 1.5.2. Advantages of *Spreads* to Manage Bullish Expectations
- 1.5.3. Optimization with *Spreads*: Risks to Consider

**1.6. Management of Bullish Expectations with Ratios**

- 1.6.1. Ratio: How It Is Formed
- 1.6.2. Advantages of Ratios for Managing Bullish Expectations
- 1.6.3. Effects of the Passage of Time on Ratios

**1.7. Management of Bullish Expectations with combos**

- 1.7.1. Combo: How It Is Formed
- 1.7.2. Comparison of Combos with Purchased Futures
- 1.7.3. Advantages of Combos to Manage Bullish Expectations

**1.8. Management and Optimization of Bearish Expectations with Basic Strategies**

- 1.8.1. Futures Sales
- 1.8.2. Puts Purchases
- 1.8.3. Calls Sales

**1.9. Management and Optimization of Bearish Expectations with Combined Option Strategies**

- 1.9.1. Advantages and Risks of Managing Bearish Expectations with Spreads
- 1.9.2. Advantages and Risks of Managing Bearish Expectations with Ratios
- 1.9.3. Advantages and Risks of Managing Bearish Expectations with Combos

**1.10. Optimization of Directional Strategies with Calendar Combinations**

- 1.10.1. Spreads Calendar
- 1.10.2. Ratios Calendar
- 1.10.3. Combos Calendar





“

*Experts have conducted a series of investigations implementing advantages of ratios to manage bullish expectations and with TECH, you will not be left behind"*

# 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.



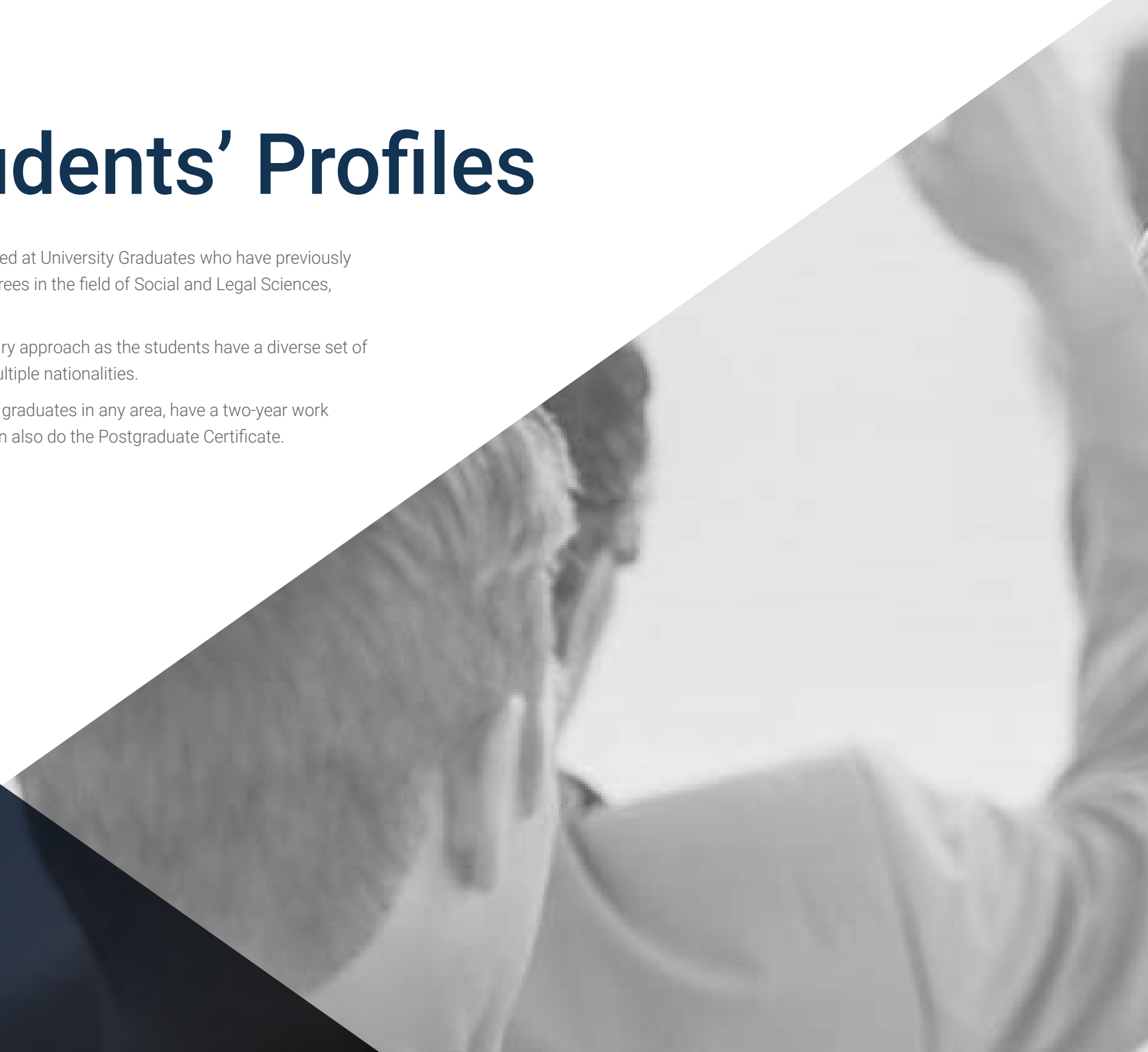
07

# Our Students' Profiles

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

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

Professionals who, being university graduates in any area, have a two-year work experience in the field of finance can also do the Postgraduate Certificate.





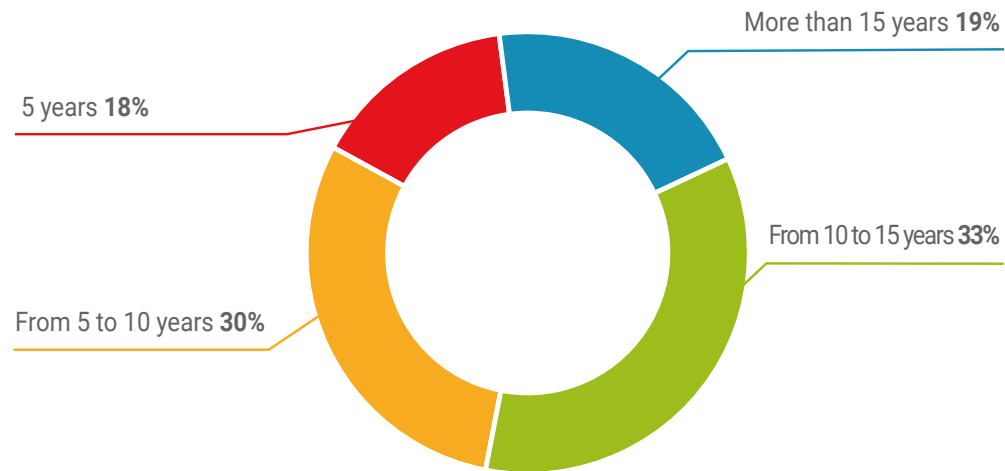
“

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

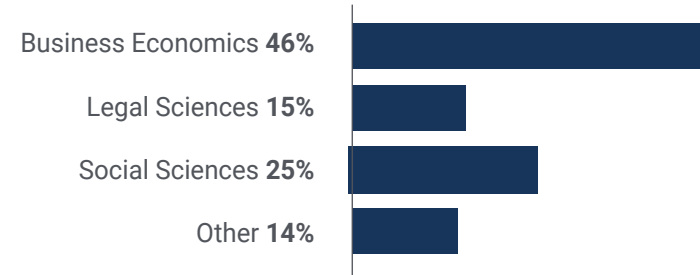
### Average Age

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

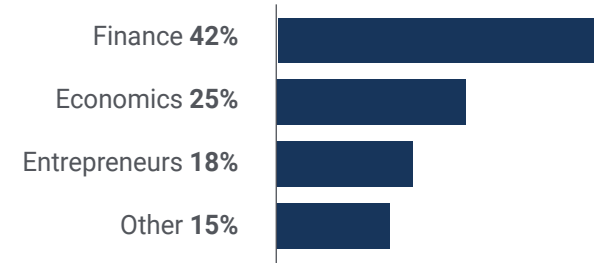
### Years of Experience



### Training

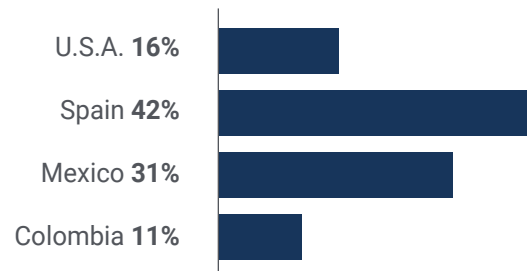


### Educational Profile



## 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 the elite of education and, therefore, develops a first level teaching for students who take their programs, along with didactic tools achieving in the best way the process of each of their academic programs. In this way, the professionals will have unlimited access to a syllabus designed by experts in Financial Advice and Wealth Management, Business Administration and Management and Accounting and Finance. Their broad vision and vast experience in this field of study will allow the graduate to assume important situations and challenges that revolve around the profession.







“

*Do you want to be the best? Then succeed with the best and acquire the necessary competencies with first class education".*

## 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
- ♦ PhD 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. 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
- ♦ PhD 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

### Dr. Gimeno Losilla, Ruth

- ♦ Accounting and Finance Expert
- ♦ Teacher in the Accounting and Finance Department of the University of Zaragoza
- ♦ Researcher in projects for the Ministry of L+O+I, the Government of Aragon and the Ibercaja Banking Foundation
- ♦ Researcher in innovative teaching projects
- ♦ PhD in Accounting and Finance from the University of Zaragoza



09

# Impact on Your Career

This Postgraduate Certificate has been created with the purpose of providing professionals with the most innovative and necessary skills that will lead them to take on the challenges that revolve around the business and financial area. TECH is committed to providing the highest level of learning, prioritizing excellence in each of its programs and thus guaranteeing an elite education with the highest academic standards.





“

*Enhance your knowledge and become  
an expert negotiator in Delta Directional  
Strategies in just 6 weeks”*

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

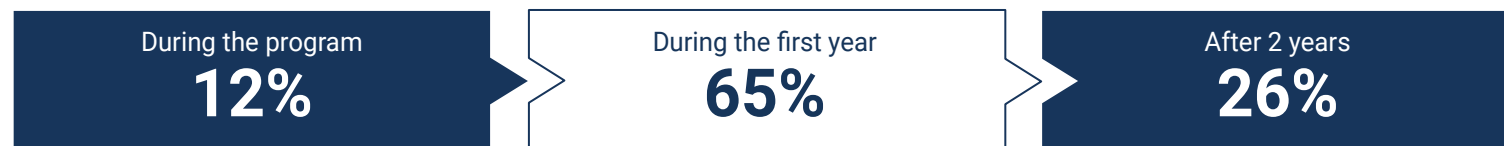
TECH's Postgraduate Certificate in Delta Directional Strategies with Equity Derivatives is an intensive program that prepares you to face challenges and business decisions in the field of Finance. The main objective is to promote your personal and professional growth. Helping you achieve success.

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.

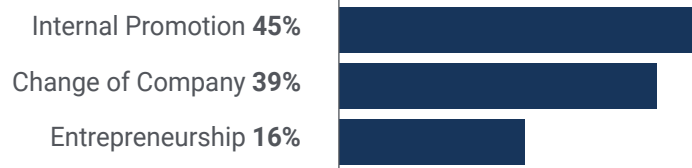
*With this program you will expand your competencies from the effects that the passage of time has on the ratios through 180 hours of diverse content.*

*You will get the most advanced tools on bullish strategies equivalent to holding an equity portfolio.*

#### Time of Change



#### 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 university training and 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 Delta Directional 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 Global University.



“

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

This program will allow you to obtain your **Postgraduate Certificate in Delta Directional Strategies with Equity Derivatives** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Delta Directional Strategies with Equity Derivatives**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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



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