

# Postgraduate Certificate

## Commodity Trading

### Tools and Platforms



## Postgraduate Certificate Commodity Trading Tools and Platforms

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/school-of-business/postgraduate-certificate/commodity-trading-tools-platforms](http://www.techtute.com/us/school-of-business/postgraduate-certificate/commodity-trading-tools-platforms)

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A low-angle, upward-looking perspective of several modern skyscrapers with glass facades, set against a clear blue sky. The buildings create strong diagonal lines that converge towards the top right of the frame. The overall color palette is dominated by blues and greys, with a dark blue geometric shape in the bottom left corner.

01

# Introduction to the Program

Every day, millions of financial transactions are carried out on the Commodity markets, but only traders who use advanced tools manage to maximize their profitability. According to the Commodity Futures Trading Commission (CFTC), more than 60% of the volume traded in these markets comes from automated strategies, which highlights the importance of algorithmic analysis and trading APIs. To contribute to this market, TECH offers the possibility of mastering the most innovative platforms, accessing a high-level university program that seeks to perfect skills in advanced trading. All this with a 100% online methodology, combining flexibility with access to the most cutting-edge technologies in the financial sector.



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*Start to manage the main Commodity Trading platforms, optimizing and ensuring more efficient operations thanks to this 100% online Postgraduate Certificate”*

Commodity Trading has evolved significantly with the integration of advanced platforms, algorithmic analysis and automation tools. Traders and investment managers need to master these resources to operate more efficiently in dynamic and highly volatile markets. Beyond traditional knowledge, the ability to use APIs to execute automated orders, interpret market data in real time and optimize strategies using algorithms has become an essential competitive advantage.

With this in mind, TECH presents this Postgraduate Certificate in Commodity Trading Tools and Platforms, a high-level educational experience designed to train professionals in the use of the most innovative technological solutions in the financial sector. Throughout the program, graduates will explore the advanced functionalities of leading platforms, including the integration of APIs for trading automation.

According to data from the Commodity Futures Trading Commission, more than 60% of the volume traded in commodity markets comes from algorithmic strategies, which reinforces the need to master tools that optimize decision-making and the execution of operations. For this reason, this learning experience includes teaching resources and up-to-date research on institutional trading platforms applied to the commodity markets and the development of automated systems for portfolio management.

This learning opportunity is delivered using a 100% online methodology, without fixed schedules, allowing professionals to balance their specialization with their work and personal activities. At the same time, it incorporates the Relearning learning method, facilitating knowledge retention through the strategic reiteration of key concepts. With access to resources available 24 hours a day and the guidance of expert teachers in quantitative trading, this university program represents a unique opportunity to expand skills and improve operations in the commodity markets.

This **Postgraduate Certificate in Commodity Trading Tools and Platforms** contains the most complete and up-to-date program on the market. The most important features include:

- ♦ The development of case studies presented by experts in Commodity Trading Tools and Platforms
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Special emphasis on innovative methodologies in Commodity Trading Tools and Platforms
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*Explore machine learning models and the most advanced trading platforms, optimizing their use to execute trades in Commodity markets”*

“

*You will delve into the latest technologies and the most revolutionary applications of algorithmic trading, exploring tools for optimizing strategies in Commodity markets”*

*Benefit from a syllabus designed by experts in quantitative trading and access top-quality content.*

*The program's innovative Relearning system allows you to learn at your own pace, optimizing knowledge assimilation without external limitations and with 24-hour access to resources.*

The teaching staff includes professionals from the field of Commodity Trading Tools and Platforms, who bring their work experience to this program, as well as renowned specialists from leading companies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will provide professionals with situated and contextualized learning, that is, a simulated environment that will provide immersive study set up to prepare them in real-life situations.

This program is designed around Problem-Based Learning, whereby the student must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts.





02

# Why Study at TECH?

TECH is the world's largest online university. With an impressive catalog of more than 14,000 university programs, available in 11 languages, it is positioned as a leader in employability, with a 99% job placement rate. In addition, it has a huge faculty of more than 6,000 professors of the highest international prestige.





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*Study at the largest online university in the world and ensure your professional success. The future begins at TECH”*

**The world's best online university, according to FORBES**

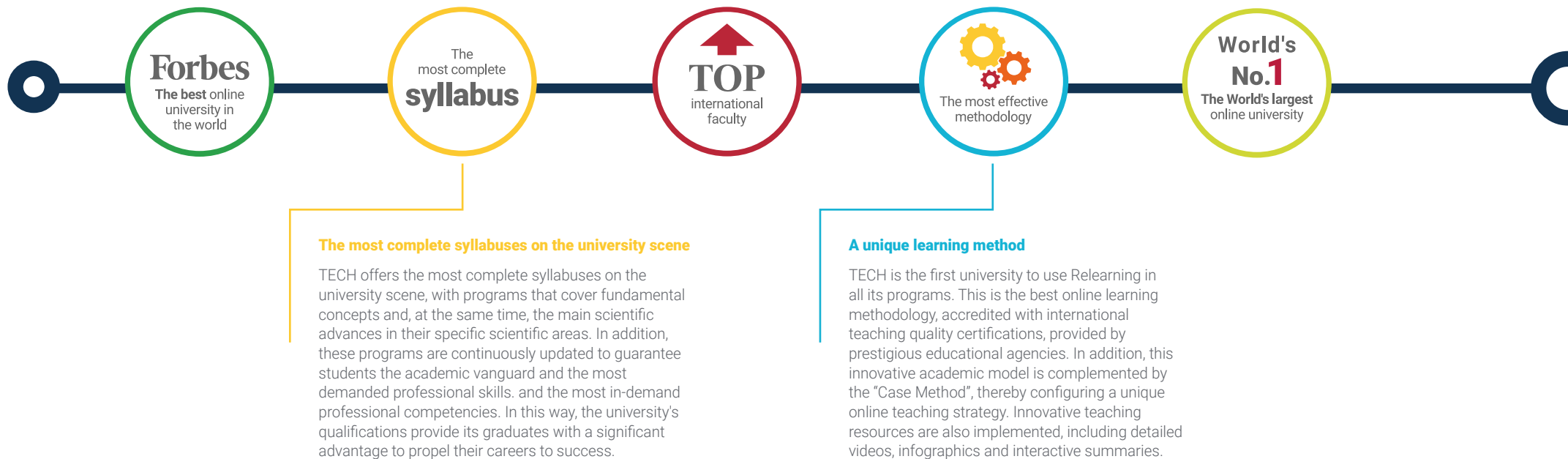
The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future".

**The best top international faculty**

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

**The world's largest online university**

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world.



#### The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

#### Leaders in employability

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.



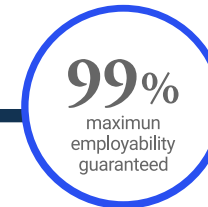
#### Google Premier Partner

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.



#### The top-rated university by its students

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.





# 03 Syllabus

This TECH university program offers comprehensive specialization in the key technologies for operating in these markets. Through up-to-date content designed by experts, professionals will learn how to manage advanced Trading Platforms, from order execution to integration with APIs and automation systems. They will also explore technical analysis, backtesting, and strategy optimization tools, as well as real-time news and data systems. In turn, this educational experience delves into cybersecurity and risk management, guaranteeing efficient and protected operations in digital environments.



“

*Learn to integrate APIs and automated systems that boost efficiency in the execution of Trading strategies”*

## Module 1. Commodity Trading Tools and Platforms

- 1.1. Commodity Trading Platforms
  - 1.1.1. Main Commodity Trading Platforms
  - 1.1.2. Interface, Order Types and Execution
  - 1.1.3. Selection of the Appropriate Commodity Trading Platform
- 1.2. Professional Commodity Trading Platforms
  - 1.2.1. Operation and Associated Costs
  - 1.2.2. Integration with Brokers and Liquidity Providers
  - 1.2.3. Advantages and Disadvantages of Each Platform
- 1.3. Advanced Technical Analysis Software
  - 1.3.1. Chart Configuration and Studies
  - 1.3.2. Customization of Indicators and Templates
  - 1.3.3. Exporting Data and Reports
- 1.4. Real-time Data Platforms for Commodity Trading
  - 1.4.1. Market Data Providers: Bloomberg, Refinitiv, CQG
  - 1.4.2. Data Delays and their Impact on Operations
  - 1.4.3. News Sources and Market Alerts
- 1.5. Backtesting and Optimization Systems for Commodity Trading
  - 1.5.1. Backtesting process in Commodity Trading strategies
  - 1.5.2. Validation of Results and Treatment of Biases
  - 1.5.3. Optimization and Out-of-Sample Tests
- 1.6. Automation of Orders and Algorithmic Execution in Commodity Trading Platforms
  - 1.6.1. Types of Automated Orders: Stop, Limit, OCO
  - 1.6.2. API Connection and FIX Protocol
  - 1.6.3. Advantages and Disadvantages of High Frequency Trading (HFT) in Commodities
- 1.7. Handling of News Platforms and Economic Calendar in Commodities
  - 1.7.1. Creation of Alerts for Inventory and Harvest Reports
  - 1.7.2. Impact of Official Announcements: OPEC, USDA
  - 1.7.3. Integration with News Tracking Systems





- 1.8. Account Security and Protection on Commodity Trading Platforms
  - 1.8.1. Two-factor Authentication and Data Encryption
  - 1.8.2. Prevention of Hacks and Fraud on Trading Platforms
  - 1.8.3. Best Practices for Password and Device Security
- 1.9. Integration with Fundamental Analysis Tools on Commodity Trading Platforms
  - 1.9.1. Linking Platforms with Economic Data Providers
  - 1.9.2. Downloading and Managing Databases for Statistical Analysis
  - 1.9.3. Visualizing Macro Indicators in Real Time
- 1.10. Simulators and Demo Accounts on Commodity Trading Platforms
  - 1.10.1. Importance of Prior Practice with Virtual Money
  - 1.10.2. Performance Assessment and Learning Curve
  - 1.10.3. Transition to a Real Account: Psychological Management

“You will apply trading strategies on digital platforms, using simulations and real-time operations to maximize profitability”

# 04

## Teaching Objectives

The objective of this Postgraduate Certificate in Commodity Trading Tools and Platforms is to provide graduates with the necessary skills to trade effectively in commodity markets using advanced technologies. Graduates will be prepared to manage trading platforms and apply advanced technical analysis strategies. They will also develop skills in real-time data interpretation, strategy backtesting, and risk management in digital environments. Through innovative and applied specialization, they will be able to optimize their operations in highly competitive markets.





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*Hone your trading skills by assessing  
the impact of news and macroeconomic  
reports on commodity prices in real time”*





## General Objectives

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- ♦ Master the use of trading platforms specializing in commodities, understanding how they work and their advanced tools
- ♦ Apply technical and fundamental analysis strategies in commodities trading to optimize decision-making
- ♦ Implement trading algorithms and automation through APIs, improving order execution efficiency
- ♦ Identify and apply cybersecurity protocols to protect accounts and data on trading platforms
- ♦ Manage tools for monitoring macroeconomic events and official reports that affect commodity prices
- ♦ Optimize operations through the use of simulators and demo accounts, refining strategies without financial risk



*Hone your trading skills by assessing the impact of news and macroeconomic reports on commodity prices in real time*





## Specific Objectives

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- ♦ Explore the main digital platforms used in commodity trading
  - ♦ Analyze the characteristics and functionalities of specialized commodity trading software
  - ♦ Assess the impact of automation and algorithmic trading on commodity markets
  - ♦ Identify the advantages and disadvantages of using digital platforms to execute trades
  - ♦ Compare the different technological options available to optimize commodity trading operations
  - ♦ Apply advanced tools for real-time monitoring and strategic decision-making
- Specific objectives



# 05 Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.





“

*TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”*

## The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

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*At TECH you will NOT have live classes  
(which you might not be able to attend)”*



### The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

“*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want*”



## Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



## Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

*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.*



## A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



*The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”*

### The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



## The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

*Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.*

*You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.*





As such, the best educational materials, thoroughly prepared, will be available in this program:



#### 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



#### Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



#### Interactive Summaries

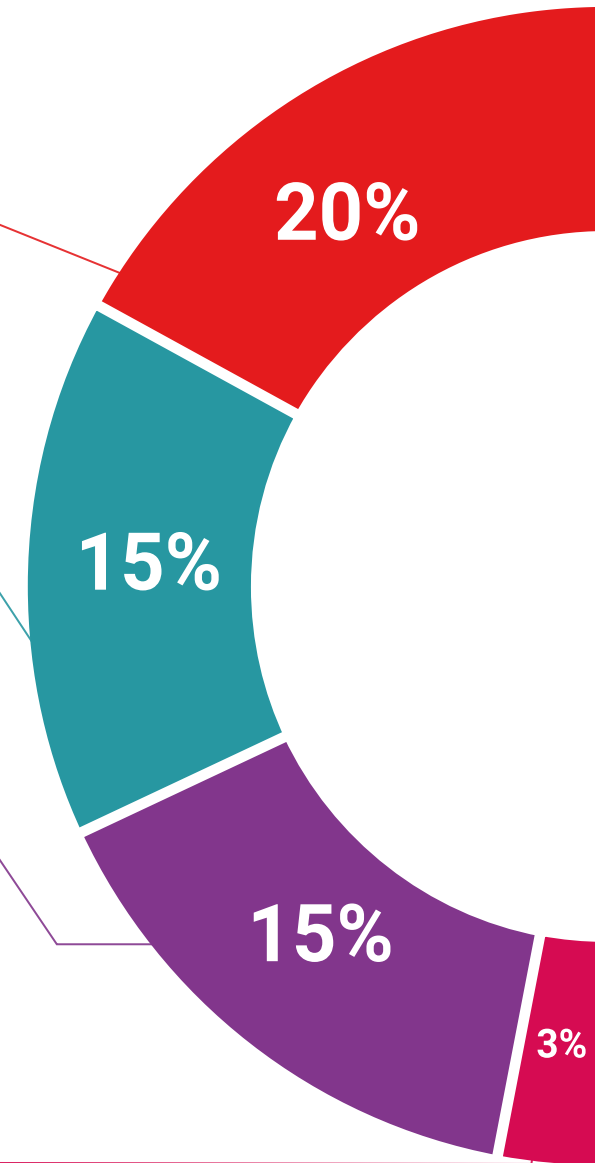
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

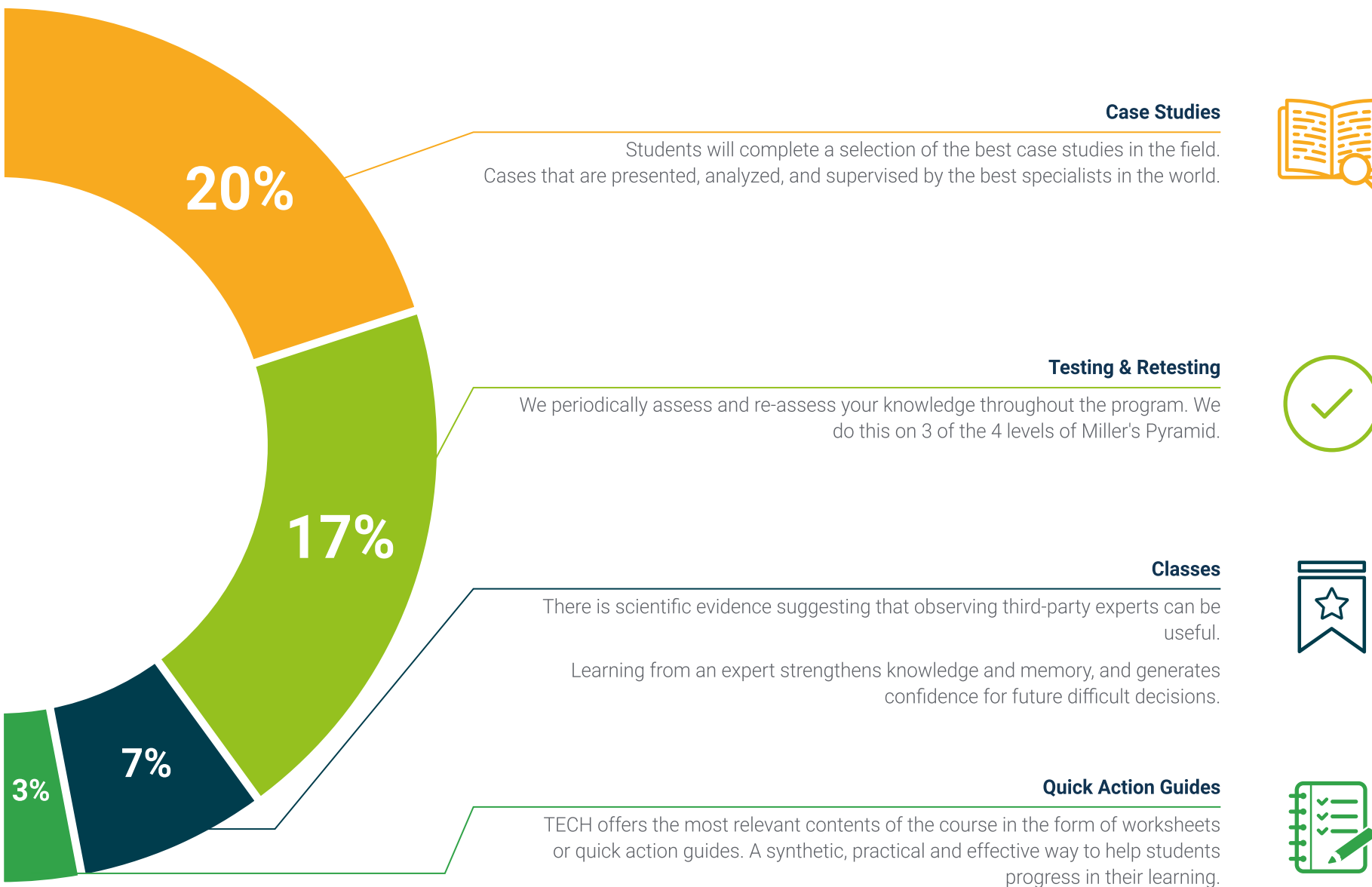
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





06

# Teaching Staff

TECH's teaching staff for this unique and exclusive educational opportunity is made up of experts in financial markets, algorithmic trading, and real-time data analysis. These professionals have solid experience in financial institutions, investment funds, and technology firms specialized in trading. They have also developed advanced strategies for order automation and trading platform optimization. Their educational background and involvement in research ensure a practical and up-to-date approach, allowing graduates to acquire key knowledge to operate efficiently in commodity markets.



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*You will enhance your skills with a practical approach, guided by faculty members who have developed innovative solutions for Commodity Trading”*



## Management



### **Mr. Plaza Ponferrada, Samuel**

- ♦ Director of JFD Brokers Ltd. in Spain
- ♦ Educator and Analyst at Amiral Markets UK, LTD
- ♦ Co-founder of Daiko Markets S.L.
- ♦ Account Manager at Broker GKFX Spain
- ♦ Account Manager in Broker Teletrade Spain
- ♦ Financial advisor for the IDD Institute
- ♦ A.F. Certificate Advanced by CYSEC

## Professors

### **Mr. López, Rubén**

- ♦ Co-Founder at Inverlan Crowdtrading
- ♦ Independent financial advisor
- ♦ CNMV Financial Advisor Certificate from IDD Consulting
- ♦ Technician in Solar, Wind, and Renewable Energy from the University of Zaragoza
- ♦ Expert in Portfolio Management, Customer Service, Strategic Consulting, Risk Management, and Project Management from Brigham Young University





# 07 Certificate

This Postgraduate Certificate in Commodity Trading Tools and Platforms guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the Postgraduate Certificate issued by TECH Global University.





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

This private qualification will allow you to obtain a diploma for the **Postgraduate Certificate in Commodity Trading Tools and Platforms** 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** private qualification, 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 Commodity Trading Tools and Platforms**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





## Postgraduate Certificate Commodity Trading Tools and Platforms

- » Modality: online
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- » Schedule: at your own pace
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