

Postgraduate Certificate

Applied Technical Analysis of Commodities



Postgraduate Certificate Applied Technical Analysis of Commodities

- » 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/applied-technical-analysis-commodities

Index

01

Introduction to the Program

p. 4

02

Why Study at TECH?

p. 8

03

Syllabus

p. 12

04

Teaching Objectives

p. 16

05

Study Methodology

p. 20

06

Teaching Staff

p. 30

07

Certificate

p. 34

01

Introduction to the Program

Applied Technical Analysis of Commodities is the study of price movements in the commodities markets through graphs, patterns and trends. Its objective is to anticipate fluctuations based on historical data, providing investors with precise tools for decision making. According to the Commodity Futures Trading Commission, trading volume in the futures markets has reached record highs in recent years, reflecting the growing interest in these assets. In this scenario, TECH promotes this educational experience with an innovative and practical approach, providing advanced tools for analyzing charts, through a 100% online methodology.



“

Master the latest market trends in this 100% online Postgraduate Certificate with a strong focus on price movements in Commodities”

Allowing the interpretation of price movements and the detection of key patterns in the commodities markets, Applied Technical Analysis of Commodities has become a fundamental pillar in financial decision-making. In an environment characterized by volatility and the influence of macroeconomic factors, in-depth knowledge of tools is essential to anticipate trends and optimize investment strategies.

Given this scenario, TECH seeks to promote this exclusive Postgraduate Certificate in Applied Technical Analysis of Commodities so that graduates develop an advanced and practical vision of factors and price movements in the markets. Through a structured methodology, the learning of technical indicators, the identification of graphic patterns and market psychology will be studied in depth. Likewise, the application of strategies in global markets will be addressed, considering aspects such as risk management and portfolio optimization.

Thanks to its innovative 100% online teaching resources, students will have access to up-to-date and applicable content, available at any time and from any device. This flexible approach allows learning to be compatible with other responsibilities, guaranteeing an efficient and enriching learning experience.

In turn, this university program is based on the Relearning method, optimizing knowledge retention through the strategic repetition of key concepts. Graduates will be prepared to interpret and make informed decisions. All this alongside an unparalleled faculty that will strengthen and expand their opportunities in the financial and investment sector.

This **Postgraduate Certificate in Applied Technical Analysis of Commodities** contains the most complete and up-to-date educational program on the market. Its most notable features are:

- ♦ The development of case studies presented by experts in Applied Technical Analysis of Commodities
- ♦ 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 Applied Technical Analysis of Commodities
- ♦ 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



You will interpret price movements in the commodity markets, accessing up-to-date and applicable content that will enhance your growth in the financial sector"

“

Manage advanced technical analysis tools to identify investment opportunities in the commodities markets, maximizing the profitability of your operations”

The teaching staff includes professionals from the field of Applied Technical Analysis of Commodities, who bring their work experience to this program, as well as renowned specialists from leading companies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive learning experience designed to prepare for 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.

TECH's characteristic Relearning system will allow you to delve into technical analysis at your own pace, facilitating the assimilation of key concepts without depending on external factors.

You will master the use of indicators and graphic patterns to interpret trends and contribute to financial decision-making based on the analysis of historical data.



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 most complete syllabuses on the university scene

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills. and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

A unique learning method

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

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.

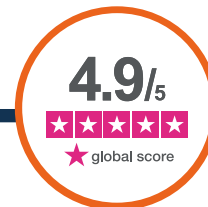
Leaders in employability

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.



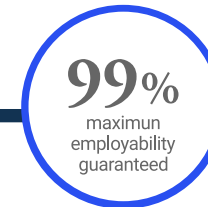
Google Premier Partner

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.



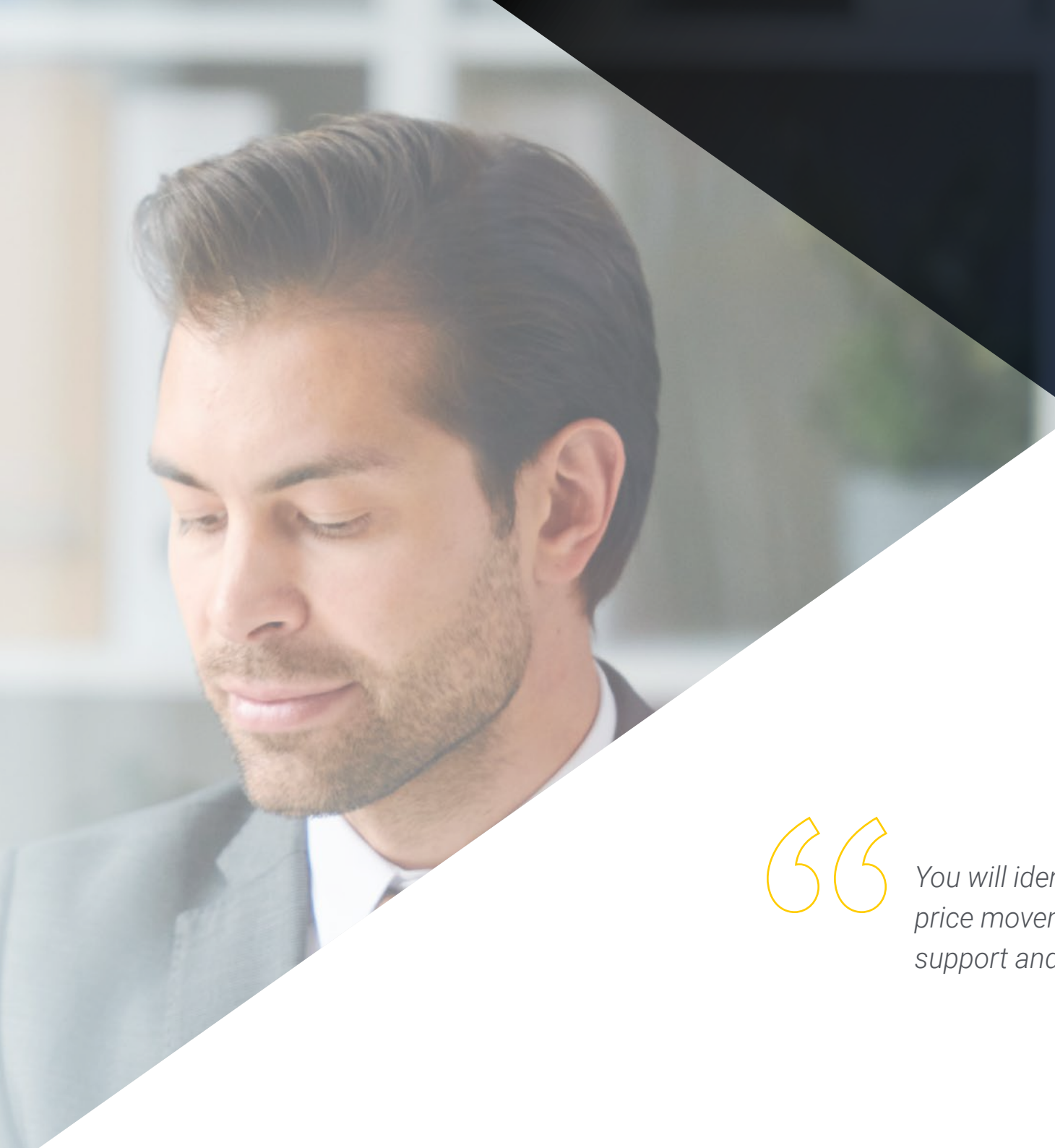
The top-rated university by its students

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

The syllabus for this university program offers a comprehensive and advanced approach to Technical Analysis Applied to Commodities, providing professionals with the skills necessary to interpret graphs, detect patterns and optimize their investment strategies. During this learning experience, key indicators such as moving averages, RSI and MACD will be explored, as well as advanced techniques for analyzing volume and volatility. Likewise, breakout strategies, retracement and Fibonacci retracements will be addressed, which are fundamental for anticipating market movements. Thanks to this, graduates will be able to develop effective trading plans, combining technical analysis and risk management with precision.



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You will identify key levels to project future price movements by using advanced support and resistance analysis tools”

Module 1. Applied Technical Analysis of Commodities

- 1.1. Applied Technical Analysis of Commodities
 - 1.1.1. Principles and Assumptions of Technical Analysis
 - 1.1.2. Advantages and Limitations in the Commodity Market
 - 1.1.3. Charting Tools for Use in Technical Analysis
- 1.2. Technical Analysis Applied to Commodities (I): Identification of Trends and Support/Resistance Levels
 - 1.2.1. Uptrend, Downtrend and Sideways Trend
 - 1.2.2. Key Support and Resistance Zones
 - 1.2.3. Techniques for Drawing Trend Lines
- 1.3. Technical Analysis Applied to Commodities (II): Chartist Patterns
 - 1.3.1. Trend Change Patterns: Shoulder-Head-Shoulder, Double Top/Bottom
 - 1.3.2. Trend Continuation Patterns: Triangles, Flags, Rectangles
 - 1.3.3. Reliability of Patterns According to Volume
- 1.4. Technical Analysis Applied to Commodities (III): Trend Indicators
 - 1.4.1. Moving Averages: SMA, EMA
 - 1.4.2. MACD (Moving Average Convergence Divergence)
 - 1.4.3. ADX (Average Directional Index)
- 1.5. Technical Analysis Applied to Commodities (IV): Oscillators and Momentum Indicators
 - 1.5.1. RSI (Relative Strength Index in Trading)
 - 1.5.2. Stochastic Indicator in Trading
 - 1.5.3. Rate of Change (ROC) in Trading
- 1.6. Technical Analysis Applied to Commodities (IV): Volume and Volatility
 - 1.6.1. Volume Analysis Applied to Commodities
 - 1.6.2. ATR (Average True Range) as a Measure of Volatility
 - 1.6.3. Bollinger Bands and Volatility Channels
- 1.7. Breakout and Pullback Strategies in Commodity Trading
 - 1.7.1. Identification of Breaks in Price Ranges
 - 1.7.2. Entries and Exits in Price Retracements and Corrections
 - 1.7.3. Confirmation of Technical Signals with Trading Volume



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- 1.8. Fibonacci and Retracements in Commodities
 - 1.8.1. Key Fibonacci Levels (38.2%, 50%, 61.8%)
 - 1.8.2. Fibonacci Extensions for Price Projection
 - 1.8.3. Combination with Historical Support/Resistance
 - 1.9. Risk Management in Commodities
 - 1.9.1. Stop-loss and Take-profit in Commodities
 - 1.9.2. Position Size and Volatility Control in Commodities
 - 1.9.3. Optimal Risk/Reward Ratio in Commodities
 - 1.10. Developing Technical Trading Plans
 - 1.10.1. Designing a Strategy Based on Indicators
 - 1.10.2. Integrating Technical Analysis with Fundamental Analysis
 - 1.10.3. Backtesting and Continuous Adjustment of the Strategy

“Maximize your opportunities in the commodity markets by mastering breakout and retracement strategies using the most up-to-date teaching resources available”

04

Teaching Objectives

This exclusive TECH academic opportunity has been designed to equip graduates with the skills necessary to analyze, interpret and apply advanced Technical Analysis strategies in the Commodity markets. Throughout the program, graduates will develop skills in trend identification and trading strategy design. They will also learn how to manage risk efficiently, apply tools and optimize their investment decisions with Backtesting. With these objectives in mind, they will be prepared to trade with confidence in volatile markets and improve their performance in the financial sector.



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You will optimize your strategies by improving the identification of trends and entry points thanks to this exclusive TECH Postgraduate Certificate”



General Objectives

- ♦ Analyze and interpret commodity charts using technical analysis tools
- ♦ Master the use of indicators such as moving averages, MACD, RSI and ADX to identify trends
- ♦ Apply breakout, retracement and chartist pattern strategies to optimize decision making in trading
- ♦ Perform backtesting and strategy adjustment, optimizing the profitability of trades with historical data
- ♦ Interpret key support and resistance levels, applying advanced techniques for plotting trend lines
- ♦ Optimize commodity investment portfolios, aligning strategies with different risk profiles





Specific Objectives

- ♦ Explore the principles of technical analysis and its relevance in Commodity Trading
- ♦ Identify graphic patterns and trends in Commodity prices
- ♦ Use technical indicators to improve decision-making in Trading operations
- ♦ Assess the effectiveness of technical analysis in combination with fundamental analysis
- ♦ Interpret trading volumes and their impact on Commodity price action
- ♦ Develop Trading strategies based on technical analysis to optimize profitability



Acquire skills to execute market movements with greater precision, building investment portfolios specializing in Commodities"

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.



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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.

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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.

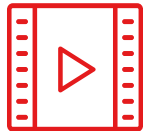
The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

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

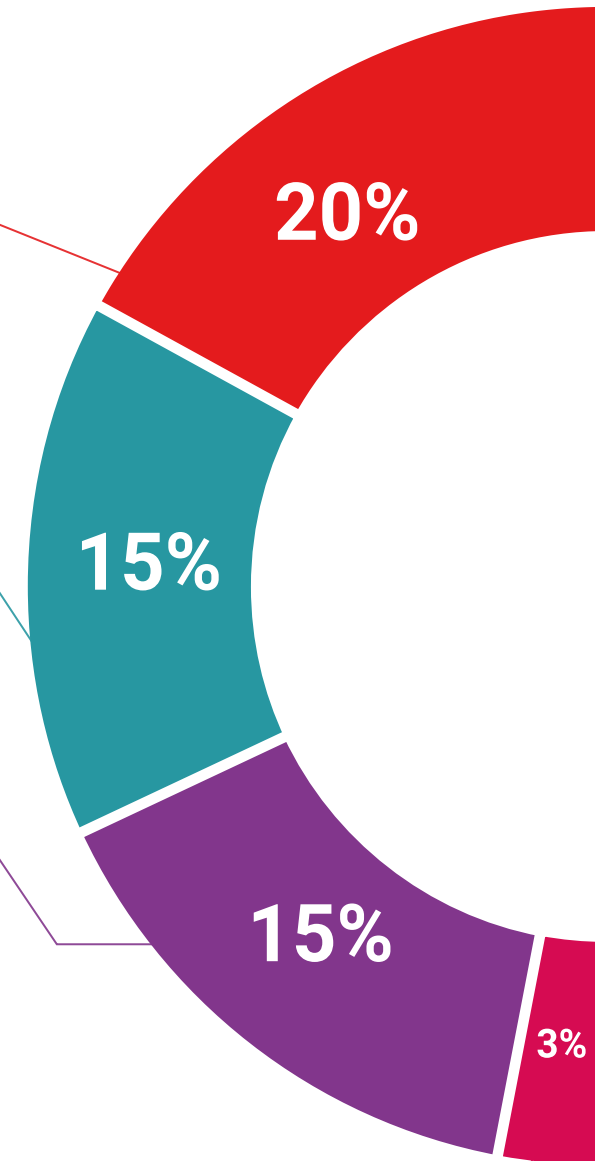
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

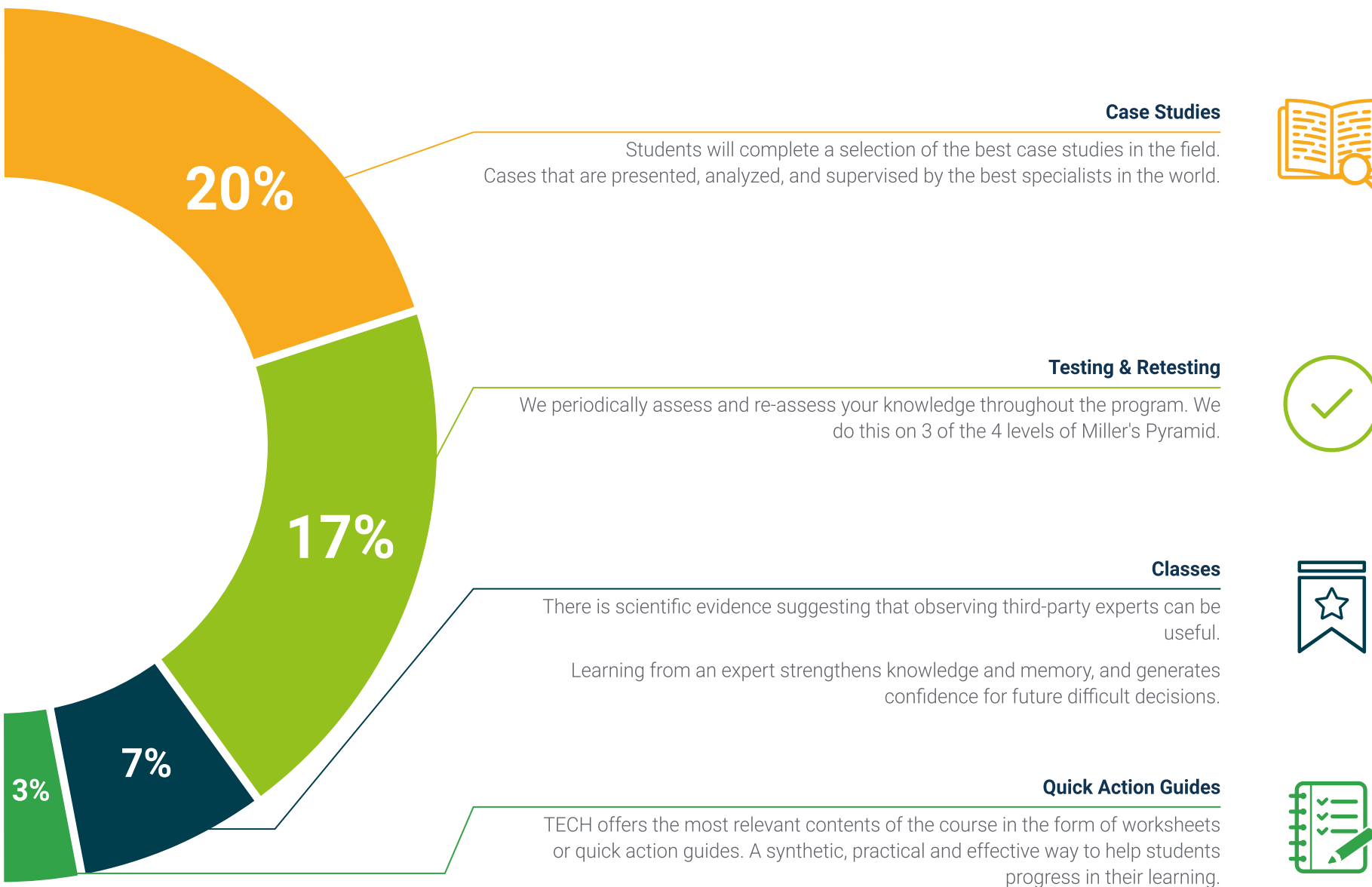
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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

The teaching staff of this Postgraduate Certificate in Applied Technical Analysis of Commodities is made up of experts in financial markets and technical analysis, with extensive experience in the use and application of commodity trading strategies. These professionals combine a solid track record with a practical vision of the market. Through a dynamic and interactive approach, they will provide graduates with up-to-date knowledge and real cases to develop high-level analytical skills. Thanks to their experience, graduates will gain a strategic perspective to operate successfully in global markets.





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You will learn from financial market experts with a strategic vision of the market, perfecting your ability to make decisions in Commodity markets"

Management



Mr. Plaza Ponferrada, Samuel

- ♦ Educator and Analyst at Amiral Markets UK, LTD
- ♦ Co-founder of Daiko Markets S.L.
- ♦ Account Manager at Broker GKFX Spain
- ♦ Financial Advisor certified by the National Securities Market Commission and the Cyprus Securities and Exchange Commission
- ♦ Technical Analyst specialized in Quantitative Trading



07 Certificate

This Postgraduate Certificate in Applied Technical Analysis of Commodities 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 Applied Technical Analysis of Commodities** 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 Applied Technical Analysis of Commodities**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





Postgraduate Certificate Applied Technical Analysis of Commodities

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Postgraduate Certificate

Applied Technical Analysis of Commodities