

Postgraduate Diploma

Taxation and Sustainability of Algorithmic Trading



Postgraduate Diploma Taxation and Sustainability of Algorithmic Trading

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Accreditation: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/school-of-business/postgraduate-diploma/postgraduate-diploma-taxation-sustainability-algorithmic-trading

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01

Introduction to the Program

In the dynamic landscape of global financial markets, technology and taxation converge to redefine investment strategies. A recent report by the European Securities and Markets Authority (ESMA) highlights the exponential growth of Algorithmic Trading. This development has driven the demand for professionals with a comprehensive vision of finance. To meet this need, TECH has designed this postgraduate program to provide the most relevant and prominent content in the field. Through a 100% online methodology, with no fixed study schedule and guided by top-tier faculty, professionals will acquire the necessary tools to excel in the Taxation and Sustainability of Algorithmic Trading.





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A 100% online, comprehensive academic opportunity to explore the Taxation and Sustainability of Algorithmic Trading”

Financial markets, in constant evolution, demand a deep understanding not only of their inherent mechanisms but also of the technological innovations driving them forward. In this context, algorithmic trading has become a key tool for executing operations, enabling traders to enhance the speed and efficiency of their strategies. However, this technological advancement also brings significant challenges regarding its proper application, risk management, and, most importantly, its fiscal framework.

Given this scenario, financial professionals are increasingly called upon to update their skills while developing broader profiles that open new career opportunities. It is in response to these demands that the Postgraduate Diploma in Taxation and Sustainability of Algorithmic Trading was created. Through a comprehensive approach, this academic program will address innovative concepts related to the use of automated systems, including the advantages of systematic over discretionary trading, system architecture, and key performance metrics for validation.

Additionally, the syllabus will delve into essential topics such as market microstructure, the importance of taxation in trading, distinguishing between individual and corporate taxation, and the fiscal treatment of derivatives and cryptocurrencies. The program will also explore the sustainability of financial markets, covering ESG investment and the environmental impact of high-frequency trading.

At the same time, this academic qualification is delivered through a 100% online methodology, offering the flexibility to balance study with professional and personal commitments. Course content will be available 24 hours a day, 7 days a week, from any device with an internet connection. In addition, the learning experience is enhanced by the implementation of the Relearning method, which facilitates the assimilation of key concepts through repetition.

This **Postgraduate Diploma in Taxation and Sustainability of Algorithmic Trading** contains the most complete and up-to-date program on the market. The most important features include:

- ♦ The development of practical case studies presented by experts in Taxation and Sustainability of Algorithmic Trading
- ♦ 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
- ♦ Its special emphasis on innovative methodologies
- ♦ 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



With this comprehensive university program, you will enhance your skills to master Taxation and Sustainability in Algorithmic Trading"

“

The wide range of practical resources offered in this program will help you solidify your theoretical knowledge”

TECH will provide you with the most innovative instructional methodology in today's academic landscape.

A 100% online program that allows you to study at any time and from anywhere in the world.

The faculty includes professionals from the field of Taxation and Sustainability of Algorithmic Trading, who bring their real-world experience to the program, along with renowned specialists from leading institutions 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.



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 relies on an enormous faculty of more than 6,000 professors of the highest international renown.



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*Study at the world's largest online university
and guarantee your professional success.
The future starts 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 teaching materials that make up this Postgraduate Diploma have been developed by a team of specialists in algorithmic trading, taxation, and sustainability. As a result, the syllabus explores financial markets, their participants, and market microstructure, enabling graduates to gain a thorough understanding of trading dynamics. Additionally, the syllabus delves into trading system architectures, algorithmic strategies, the taxation of gains and losses, and environmental impact, promoting initiatives aimed at responsible financial management.



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You will uncover the complexities of algorithmic trading, mastering its taxation and contributing to the sustainability of financial markets”

Module 1. Algorithmic Trading in Financial Markets

- 1.1. Global Overview of Financial Markets
 - 1.1.1. Elements of a Financial System
 - 1.1.2. History and Evolution of Financial Markets
 - 1.1.3. Types of Financial Markets
 - 1.1.4. Participants in the Markets
 - 1.1.5. Trading Robots as Market Participants
- 1.2. Financial Instruments for Trading
 - 1.2.1. Stocks, Bonds, and Derivatives
 - 1.2.2. Spot and Futures Markets
 - 1.2.3. ETFs and Other Investment Vehicles
- 1.3. Market Structure and Functioning
 - 1.3.1. Trading Hours and Mechanisms
 - 1.3.2. Organized and OTC Markets
 - 1.3.3. Price Formation
- 1.4. Market Microstructure and Its Influence on Trading
 - 1.4.1. Market Depth and Liquidity
 - 1.4.2. Spread and Transaction Costs
 - 1.4.3. Role of Market Makers
- 1.5. Risks in Financial Markets
 - 1.5.1. Market, Credit, and Liquidity Risks
 - 1.5.2. Systemic Risk
 - 1.5.3. Risk Management and Hedging
- 1.6. Regulation and Standards
 - 1.6.1. European and Global Regulations
 - 1.6.2. Market Supervision
 - 1.6.3. Investor Protection
- 1.7. Order Types and Execution
 - 1.7.1. Market and Limit Orders
 - 1.7.2. Stop Loss and Take Profit Orders
 - 1.7.3. Trailing Stop Orders
 - 1.7.4. Order Programming in Algorithmic Trading





- 1.8. Financial Intermediaries
 - 1.8.1. Banks, Brokers, and Hedge Funds
 - 1.8.2. Investment Funds and ETFs
 - 1.8.3. Trading Platforms
- 1.9. Macroeconomic Factors in the Markets
 - 1.9.1. Monetary and Fiscal Policy
 - 1.9.2. Key Economic Indicators
 - 1.9.3. Impact of News and Events
- 1.10. Innovation in Financial Markets
 - 1.10.1. Digitalization and Blockchain
 - 1.10.2. Cryptocurrencies and DeFi
 - 1.10.3. Tokenization of Assets

Module 2. Fundamentals of Algorithmic Trading

- 2.1. Philosophy of Algorithmic Trading
 - 2.1.1. Advantages of Algorithmic Trading over Manual Trading
 - 2.1.2. Evolution and Adoption in the Markets
 - 2.1.3. Differences with Discretionary Trading
- 2.2. Intraday Algorithmic Strategies
 - 2.2.1. Characteristics of Intraday Investment Strategies
 - 2.2.2. Advanced Study of Intraday Strategies
 - 2.2.3. Profitability and Risk of These Strategies
- 2.3. Swing Algorithmic Strategies
 - 2.3.1. Characteristics of Continuous Investment
 - 2.3.2. Advanced Study of Continuous Trading Systems
 - 2.3.3. Profitability and Risk of These Strategies
- 2.4. Architecture of an Algorithmic Trading System
 - 2.4.1. Key Components
 - 2.4.2. Data Flow and Execution
 - 2.4.3. Integration with Market API
- 2.5. Data Sources in Algorithmic Trading
 - 2.5.1. Historical and Real-Time Data
 - 2.5.2. Data Quality and Cleansing
 - 2.5.3. Free and Paid Sources

- 2.6. Latency and Speed in Algorithmic Trading
 - 2.6.1. Importance of Fast Execution
 - 2.6.2. Factors Affecting Latency
 - 2.6.3. Co-location and High-Frequency Trading
- 2.7. Performance Metrics
 - 2.7.1. Metrics Based on Profitability
 - 2.7.2. Drawdown Analysis
 - 2.7.3. Metrics Based on Hit Rate
 - 2.7.4. Metrics Based on Risk Management
- 2.8. Backtesting and Strategy Validation
 - 2.8.1. Backtesting Methods
 - 2.8.2. Avoiding Overfitting
 - 2.8.3. Performance Evaluation
- 2.9. Infrastructure and Hardware for Algorithmic Trading
 - 2.9.1. Dedicated Servers vs. *Cloud Computing*
 - 2.9.2. Networks and Connectivity
 - 2.9.3. Security and Maintenance
- 2.10. Limitations and Challenges of Algorithmic Trading
 - 2.10.1. Complexity and Costs
 - 2.10.2. Risks of Technical Failures
 - 2.10.3. Adaptability to Changing Conditions

Module 3. Taxation of Algorithmic Trading

- 3.1. The Importance of Taxation in Trading
 - 3.1.1. Tax Obligations of Traders
 - 3.1.2. Differences Between the Taxation of Individuals and Companies
 - 3.1.3. Tax Regime for Derivatives and Cryptocurrencies
- 3.2. Taxation of Gains and Losses in Trading
 - 3.2.1. Tax Calculation on Profits
 - 3.2.2. Loss Deductions
 - 3.2.3. Differences According to Country of Residence





- 3.3. Taxation of Algorithmic Trading vs. Discretionary Trading
 - 3.3.1. Differences in Taxation
 - 3.3.2. Legal Aspects of Automated Trading
 - 3.3.3. Tax Control on Financial Algorithms
- 3.4. Tax Havens and International Regulation
 - 3.4.1. Use of Offshore Companies
 - 3.4.2. International Regulations Against Tax Evasion
 - 3.4.3. Legal Implications
- 3.5. Transparency and Auditing in Algorithmic Trading
 - 3.5.1. Financial Reporting Requirements
 - 3.5.2. Audits in Investment Funds
 - 3.5.3. Data Protection Regulation
- 3.6. Sustainability in Financial Markets
 - 3.6.1. ESG Investment and Sustainable Criteria
 - 3.6.2. Trading Algorithms with a Positive Impact
 - 3.6.3. Regulations on Sustainable Finance
- 3.7. Cryptocurrencies and Taxation
 - 3.7.1. Taxation of Digital Assets
 - 3.7.2. Emerging Regulations
 - 3.7.3. Security and Regulatory Compliance
- 3.8. Environmental Impact of Algorithmic Trading
 - 3.8.1. Energy Consumption in HFT (High-Frequency Trading)
 - 3.8.2. Sustainable Alternatives
 - 3.8.3. Environmental Regulations
- 3.9. Tax Strategies for Professional Traders
 - 3.9.1. Tax Optimization
 - 3.9.2. Tax Planning
 - 3.9.3. Use of Legal Structures
- 3.10. Ethics in Algorithmic Trading and Social Responsibility
 - 3.10.1. Social Impact of Financial Markets
 - 3.10.2. Transparency and Governance
 - 3.10.3. Ethical Standards in Algorithm Development

04

Teaching Objectives

The design of this university program will equip professionals with cutting-edge competencies in the automation and management of trading operations. It will enable them to master the programming of strategies, the evaluation of operational risks, and the application of ethical principles in trading environments. Participants will also enhance their ability to optimize order execution, handle technical failures, and comply with financial regulations. As a result, this academic opportunity will guide graduates toward excellence in the development of Algorithmic Trading systems.





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You will transform your trading approach to optimize execution, manage risks, and operate with integrity”



General Objectives

- ♦ Master the fundamentals of algorithmic trading and its evolution in financial markets
- ♦ Evaluate market microstructure and the risks associated with algorithmic operations
- ♦ Understand the regulatory framework and global standards governing algorithmic trading
- ♦ Identify traders' tax obligations and distinguish between the taxation of financial assets and cryptocurrencies
- ♦ Analyze strategies for tax optimization and planning in the context of algorithmic trading
- ♦ Integrate principles of sustainability and social responsibility into the development and execution of trading algorithms
- ♦ Assess the environmental impact of high-frequency trading and explore more sustainable alternatives
- ♦ Develop the ability to implement ESG (Environmental, Social, and Governance) criteria in algorithmic investment strategies
- ♦ Understand transparency and audit requirements in risk management and taxation of automated trading
- ♦ Promote an ethical and responsible practice of algorithmic trading, aligned with corporate governance standards and the social impact of financial markets





Specific Objectives

Module 1. Algorithmic Trading in Financial Markets

- Understand the context and structure of algorithmic trading
- Analyze the global landscape of financial markets and their participants
- Identify the various financial instruments and how they operate
- Evaluate market microstructure and its impact on trading operations

Module 2. Fundamentals of Algorithmic Trading

- Master the core principles of algorithmic trading
- Explain the philosophy of algorithmic trading and its advantages
- Analyze intraday and swing algorithmic strategies
- Understand the architecture and key components of an automated trading system

Module 3. Taxation of Algorithmic Trading

- Analyze the taxation of trading and cryptocurrencies
- Understand the importance of taxation in trading and related tax obligations
- Evaluate the taxation of gains and losses, including those from cryptocurrencies
- Identify the implications of tax havens and international regulation

05

Career Opportunities

This Postgraduate Diploma will open the door to a wide range of career opportunities that combine technological innovation, financial analysis, and regulatory compliance. Thanks to the multidisciplinary training provided by this program, graduates will be equipped to work in key areas such as tax consulting specialized in automated markets, portfolio management with ESG (Environmental, Social, and Governance) criteria, and legal and tax advisory services for fintech companies and investment funds operating with algorithms. They will also be well-prepared to join compliance departments in both financial institutions and technology firms.



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You will advance your career by implementing the creation, execution, and optimization of algorithmic trading systems, unlocking a wide range of opportunities in high-tech investment”

Graduate Profile

Graduates of this university program will be prepared to operate efficiently in financial markets. They will be capable of building and optimizing algorithms, understanding the technological infrastructure, and integrating various real-time data sources. In addition, these experts will be equipped to manage the operational and technical risks of such systems, master the regulatory aspects of automated execution, and contribute value in highly complex trading environments.

You will develop a high-level profile to shape the future of automated investments.

- ♦ **Design and Construction of Trading Algorithms:** Conceptualize, program, and implement algorithmic trading strategies, as well as design custom indicators and develop functional trading bots
- ♦ **Infrastructure Management and Financial Data:** Manipulate large volumes of financial data using Python, manage databases, integrate market APIs, and deploy algorithms on local or cloud-based infrastructures
- ♦ **Ethical Commitment and Risk Management:** Apply ethical principles and regulatory standards in the development and execution of trading algorithms, ensuring transparency and effective mitigation of financial and operational risks
- ♦ **Interdisciplinary Collaboration:** Work effectively with finance professionals, data analysts, and other specialists to facilitate the development and implementation of robust algorithmic trading systems





After completing the university program, you will be able to apply your knowledge and skills in the following positions:

- 1. Systems Trading Developer:** responsible for designing, coding, and optimizing automated trading platforms and algorithms.
- 2. Quantitative Trading Engineer:** in charge of building and maintaining the technological infrastructure that supports high-frequency trading strategy execution.
- 3. Algorithmic Implementation Analyst:** manages the transition of trading strategies from simulated environments to live markets, ensuring proper configuration and monitoring.
- 4. Market Automation Lead:** Developers with solutions for fast and efficient order execution in financial markets, minimizing slippage.
- 5. Quantitative Financial Programmer:** responsible for coding mathematical and statistical models for market analysis and the creation of custom indicators.
- 6. Trading Platform Architect:** leads the design of the technological architecture of algorithmic trading systems, ensuring scalability and security.
- 7. Financial Data Integration Specialist:** manages connections to various market data sources and the extraction of real-time information for trading systems.
- 8. Algorithmic Trading Development Consultant:** advisor focused on providing expertise in the design and optimization of automated trading solutions for financial institutions.

06

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.

“*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.

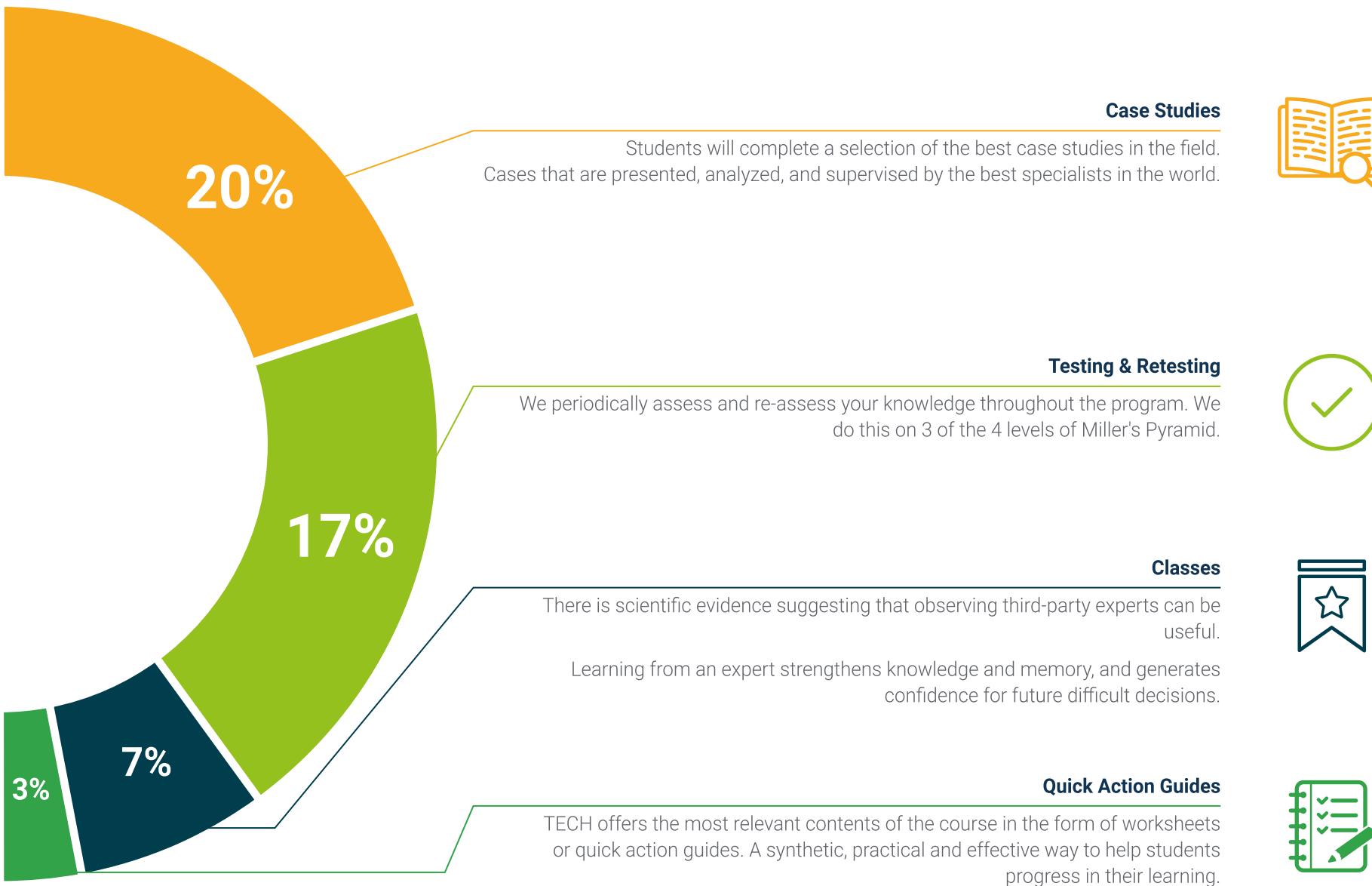
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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





07

Teaching Staff

The faculty team has been carefully selected for its strong professional and academic background in Programming and Development of Algorithmic Trading Systems. These professionals possess not only in-depth theoretical knowledge but also extensive practical experience in building high-frequency algorithms, implementing execution platforms, and optimizing trading infrastructure. Their expertise in programming languages and financial data management ensures that graduates receive training aligned with the latest trends in the field.





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This distinguished faculty, composed of leading experts in Programming and Development of Algorithmic Trading Systems, will guide you with real-world experience and a forward-looking vision in the field”

Management



Dr. Gómez Martínez, Raúl

- ♦ Founding Partner and CEO of Open 4 Blockchain Fintech
- ♦ Founding Partner of *InvestMood Fintech*
- ♦ Apara's CEO
- ♦ PhD in Business Economics and Finance from the University Rey Juan Carlos de Madrid
- ♦ Bachelor's Degree in Economics and Business Administration, Complutense University of Madrid
- ♦ Master's Degree in Economic Analysis and Financial Economics, Complutense University of Madrid



Dr. Lara Bocanegra, Ana María

- ♦ Company Owner (Financial)
- ♦ Ph.D. from the University of Seville
- ♦ Trader of NYSE Stocks at World Trade Securities
- ♦ Junior Trader at Swiftrad
- ♦ Mechanical Behaviour of Materials from University of Seville
- ♦ Experimental Techniques II from University of Seville
- ♦ Materials Science from University of Seville
- ♦ Advanced Trading Stocks Techniques from University of Seville



Teachers

Dr. Medrano García, María Luisa

- ♦ Director of university graduate programs
- ♦ Technical advisor for public institutions
- ♦ Professor in university degrees, courses and postgraduate programs.
- ♦ Ph.D. in Senior Management from the Rey Juan Carlos University
- ♦ Degree in Business Administration from the Complutense University of Madrid
- ♦ Economic and Social Council of the Community of Madrid Research Award

Mr. Martín Moreno, David

- ♦ Specialist in Financial Management by European University Miguel de Cervantes Business School
- ♦ Master's Degree in Financial Planning and Advice from the Rey Juan Carlos University
- ♦ Bachelor's Degree in Accounting and Finance from Rey Juan Carlos University

Mr. Segura Pacho, Felipe Marcelo

- ♦ Back Office at Indra BPO Services SLU
- ♦ Accountant at JC Segura Construcciones SA
- ♦ Specialist in Corporate Finance at the Catholic University of Salta
- ♦ Master's Degree in Financial Planning and Advice from the Rey Juan Carlos University
- ♦ Master's Degree in Business Management from the Public University of Navarra
- ♦ Collaborator of the project "Trading in Stock Exchange and Financial Markets"

08 Certificate

This Postgraduate Diploma in Taxation and Sustainability of Algorithmic Trading guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the Postgraduate Diploma 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 Diploma in Taxation and Sustainability of Algorithmic Trading** 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.

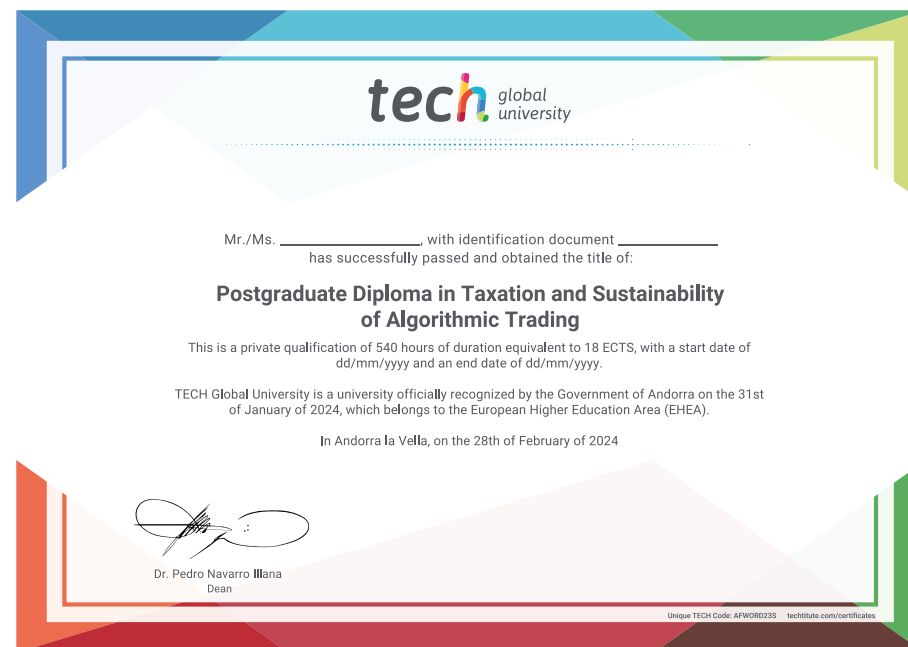
This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Taxation and Sustainability of Algorithmic Trading**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**





Postgraduate Diploma Taxation and Sustainability of Algorithmic Trading

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

Postgraduate Diploma

Taxation and Sustainability of Algorithmic Trading

