Postgraduate Diploma

Algorithmic Trading and Investment Psychology

tech global university

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Postgraduate Diploma
Algorithmic Trading and Investment Psychology

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

Website: **www.techtitute.com/us/school-of-business/postgraduate-diploma/postgraduate-diploma-algorithmic-trading-investment-psychology**

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01

Introduction to the Program

In the dynamic world of finance, automation and understanding human behavior are decisive factors for success. In fact, the Ibero-American Federation of Stock Exchanges (FIAB), which brings together the main Stock Exchanges and Financial Markets in Latin America, highlights the importance of Technological Innovation and Financial Education for the development and stability of markets in the region. In this context, TECH has designed this postgraduate program, which will provide the necessary tools for professionals to thrive in this sector. Through a 100% online methodology, they will find the ideal path to mastering the most innovative strategies in Investment Psychological Management.

A 100% online and comprehensive university program to master Algorithmic Trading and Investment Psychology"

The rapid advancement of technology has redefined the financial markets, driving the adoption of algorithmic tools that execute operations with unparalleled speed and precision. However, in this highly technological environment, the human element, with its biases and emotions, remains a crucial factor in managing trades effectively. Therefore, understanding the microstructure of the market, including depth and liquidity, as well as the different types of orders and their execution, is essential for any professional seeking to optimize their trading results.

In response to this demand, financial specialists are driven to refine their skills and develop versatile profiles that enable them to capitalize on emerging opportunities in trading. This is where the Postgraduate Certificate in Algorithmic Trading and Investment Psychology comes in, directly addressing these challenges. With a comprehensive approach, this university program will cover everything from the fundamentals of company valuation using multiples and discounted cash flows, to the impact of macroeconomic factors and financial innovation.

The syllabus will dive deep into the evaluation of market analysis, distinguishing between technical and fundamental analysis to provide a complete perspective. Moreover, the program will emphasize advanced indicators (RSI, Bollinger Bands) and technical analysis strategies directly applicable to trading, including trend-following techniques.

At the same time, this academic opportunity is offered 100% online, making it easy for professionals to balance training with personal or work commitments. The course content will be accessible 24/7 from any device with internet connection, providing the flexibility to learn at your own pace. Additionally, the learning process will be enhanced by the Relearning method, an innovative pedagogy designed to facilitate the rapid and optimal assimilation of even the most complex concepts in the shortest time possible.

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

- The development of practical cases presented by experts in Algorithmic Trading and Investment Psychology
- 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

You will be trained to design efficient investment strategies, managing both trading algorithms and the dynamics of financial markets"

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

The multitude of practical resources in this university program will help you solidify the theoretical knowledge.

TECH will provide you with the most innovative teaching methodology in the current academic landscape.

The teaching staff includes professionals from the fields of Algorithmic Trading and Investment Psychology, who bring their real-world experience into this 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.

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 academic resources that make up this program have been developed by a team of professionals with extensive experience in senior financial market management and in the field of Psychology applied to Investment. In this way, the syllabus will delve into the global vision of the markets and market microstructure, key elements for decision-making. Additionally, the syllabus will explore the types of financial analysis, covering both technical and fundamental analysis, as well as company valuation and the influence of candlestick patterns.

This comprehensive syllabus will propel you to master advanced financial analysis and the emotional management of Trading, from Bollinger Bands to Neuroscience applied to your decision-making"

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. Stock Market Analysis in Algorithmic Trading

2.1. Evaluation of Stock Market Analysis in Algorithmic Trading
- 2.1.1. Technical Analysis vs. Fundamental Analysis
- 2.1.2. Market Efficiency Theory
- 2.1.3. Principles of Trading Based on Analysis

2.2. Fundamental Analysis of Companies
- 2.2.1. Economic and Financial Diagnosis
- 2.2.2. Financial Statements and Key Ratios
- 2.2.3. Company Valuation by Static Methods
- 2.2.4. External Factors Affecting Stocks

2.3. Company Valuation
- 2.3.1. Market Consensus
- 2.3.2. Valuation by Multiples
- 2.3.3. Valuation by Dividend Discount
- 2.3.4. Valuation by Discounted Cash Flow
- 2.3.5. Use of AI and Company Valuation Bots

2.4. Technical Analysis: Basic Principles for Trading
- 2.4.1. Types of Charts and Their Interpretation
- 2.4.2. Volume and Trend
- 2.4.3. Key Technical Indicators

2.5. Japanese Candlestick Patterns
- 2.5.1. Individual Candles and Combinations
- 2.5.2. Reversal and Continuation Patterns
- 2.5.3. Applications in Trading

2.6. Advanced Technical Indicators to Implement in Algorithmic Trading
- 2.6.1. RSI, MACD, and Bollinger Bands
- 2.6.2. Oscillators and Moving Averages
- 2.6.3. Configuration and Application

2.7. Technical Analysis Strategies to Implement in Trading
- 2.7.1. Trend Trading
- 2.7.2. Range Trading
- 2.7.3. Trading with Volume

2.8. Intermarket Analysis and Correlations
- 2.8.1. Relationship Between Financial Assets
- 2.8.2. Commodities, Currencies, and Equities
- 2.8.3. Hedging and Diversification

2.9. Order Flow Analysis
- 2.9.1. Level 2 and Order Book
- 2.9.2. Market Depth and VWAP
- 2.9.3. *Tape Reading*

2.10. Limitations of Stock Market Analysis
- 2.10.1. Biases and Common Mistakes
- 2.10.2. Market Manipulation
- 2.10.3. Real Applications and Context

Module 3. Algorithmic Trading in Psychology and Decision Making

3.1. The Importance of Psychology in Trading
- 3.1.1. Emotional Impact on Decisions
- 3.1.2. Common Cognitive Biases
- 3.1.3. Emotional Control in Volatile Markets

3.2. Cognitive Biases in Trading
- 3.2.1. Anchoring Effect and Loss Aversion
- 3.2.2. Overconfidence and Excessive Trading
- 3.2.3. Herd Effect and Confirmation Bias

3.3. Emotional Management in Trading
- 3.3.1. Strategies to Stay Calm
- 3.3.2. Resilience and Discipline
- 3.3.3. Mindfulness Techniques and Stress Control

3.4. Decision Making in Uncertainty
- 3.4.1. Rational vs. Emotional Analysis
- 3.4.2. How to Assess Probabilities
- 3.4.3. Decision-Making Methods

3.5. Developing a Professional and/or Automated Trading Mindset
- 3.5.1. Planning and Discipline
- 3.5.2. Learning and Continuous Improvement
- 3.5.3. Psychological Preparation for Trading

3.6. Managing Psychological Risk
- 3.6.1. Impact of Drawdown on the Trader
- 3.6.2. Handling Consecutive Losses
- 3.6.3. Avoiding Revenge Trading
- 3.6.4. Is There Psychological Risk in Algorithmic Trading?

3.7. Strategies to Prevent Mental Burnout
- 3.7.1. How to Avoid Burnout
- 3.7.2. Importance of Breaks
- 3.7.3. Disconnection Techniques
- 3.7.4. Automation

3.8. Psychology of Money and Risk Aversion
  3.8.1. Relationship between Risk and Return
  3.8.2. Personal Risk Tolerance
  3.8.3. Financial Goal Assessment
3.9. Neuroscience Applied to Trading
  3.9.1. Brain Function in Decision Making
  3.9.2. Dopamine and Trading Addiction
  3.9.3. How to Train the Mind for Success
3.10. Common Psychological Errors and How to Avoid Them
  3.10.1. Lack of Patience and Overtrading
  3.10.2. Not Following the Trading Plan
  3.10.3. How to Maintain Discipline

Through these modules, you will dive into Algorithmic Trading and Investment Psychology, acquiring the necessary skills to excel in the financial sector"

04

Teaching Objectives

This program is designed to equip investors with cutting-edge skills, enabling them to deeply understand the various types of financial markets and the influence of Market Makers. They will also acquire skills in market order implementation and the use of trailing stops, refining their algorithmic execution. Additionally, this academic opportunity will enhance graduates' ability to manage psychological risks, avoiding revenge trading and mental burnout, which are crucial for sustained and profitable operation.

Unleash your potential in Trading! You will master the most advanced Algorithmic strategies and cultivate an unshakable mindset in the face of market volatility"

General Objectives

- Develop advanced knowledge in Algorithmic Trading and Investment Psychology, understanding their impact and potential in optimizing financial strategies
- Identify the applications of financial markets and market microstructure, improving decision-making in high-volatility environments
- Implement technical and fundamental analysis tools to evaluate financial assets, facilitating the detection of investment opportunities
- Integrate the use of candlestick patterns and various technical indicators into the creation of Trading systems, enhancing operational precision
- Apply company valuation techniques and order flow analysis to improve investment decisions based on data
- Use risk management systems in financial markets to protect capital and mitigate potential losses
- Design and customize Algorithmic Trading strategies that integrate Investment Psychology, promoting individualized and effective approaches
- Foster understanding of cognitive biases and emotional management in Trading, ensuring a disciplined and resilient mindset
- Analyze the impact of macroeconomics and financial innovation on markets, adapting strategies to changes in the environment
- Master strategies to avoid mental burnout in Trading, ensuring sustained operation and the well-being of the trader

Specific Objectives

Module 1. Algorithmic Trading in Financial Markets

- Gain a deep understanding of the structure and functioning of financial markets, including their types, participants, and price formation processes
- Identify and apply knowledge of various financial instruments available for trading, from stocks to derivatives and ETFs
- Master market microstructure and its influence on trading, understanding concepts such as depth, liquidity, and the role of Market Makers
- Analyze the inherent risks in financial markets and strategies for risk management and hedging, ensuring safer operations

Module 2. Stock Market Analysis in Algorithmic Trading

- Evaluate the importance and differences between technical analysis and fundamental analysis in the context of algorithmic trading
- Apply advanced methodologies for company valuation, including market consensus and discounted cash flow
- Interpret and use candlestick patterns and advanced technical indicators to develop effective trading strategies
- Analyze order flow and correlations between markets, optimizing decision-making based on real-time information

Module 3. Algorithmic Trading in Psychology and Decision Making

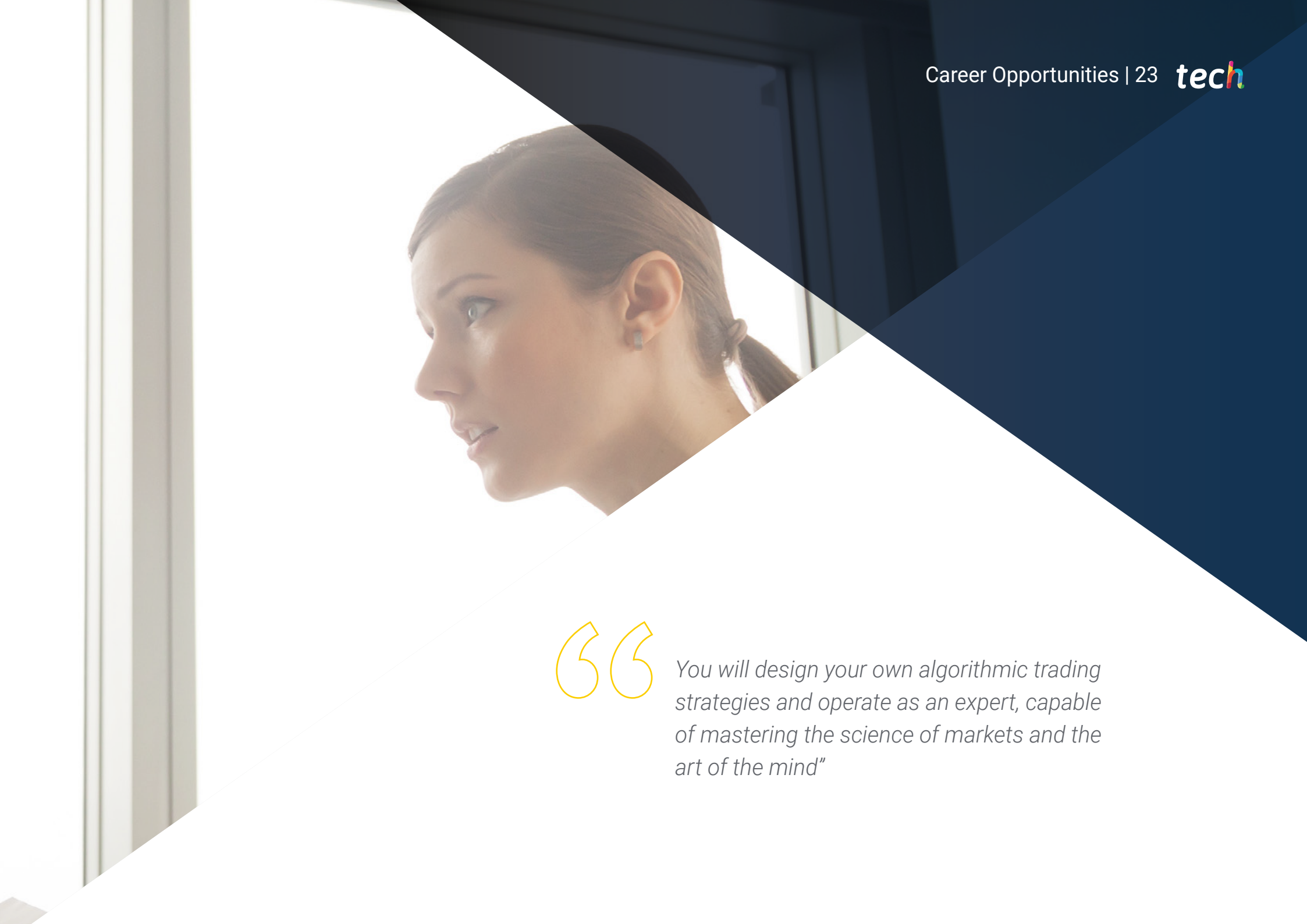
- Recognize the emotional impact and cognitive biases in trading decisions to develop effective control
- Implement strategies for emotional management and the development of a professional mindset in uncertain environments
- Manage psychological risk, learning to avoid mental burnout and handle consecutive losses without affecting discipline
- Apply neuroscience principles to trading, training the mind for success and avoiding common psychological errors

Combine algorithmic logic with mastery of psychology, forging precise and resilient trading operations"

05

Career Opportunities

This program offers an unparalleled opportunity for those seeking to enhance their skills and master Algorithmic Trading strategies and Investment Psychology. In this way, graduates will have access to a wide range of career opportunities, including roles such as algorithmic trading algorithm developer, quantitative analyst, automated portfolio manager, financial consultant specializing in fintech, and advisor in emotional management for traders and financial institutions. Additionally, this training will propel them into entrepreneurship within automated investment platforms or collaboration with venture capital firms and hedge funds.



You will design your own algorithmic trading strategies and operate as an expert, capable of mastering the science of markets and the art of the mind"

Graduate Profile

The graduate will dominate algorithmic trading strategies, being trained to design and execute automated investment systems with high precision in financial markets. They will also be prepared to conduct thorough stock market analysis, applying advanced techniques for company valuation and interpreting technical indicators. Furthermore, they will have the ability to effectively manage Investment Psychology, controlling cognitive biases and emotions to maintain unshakable operational discipline. Therefore, this expert will be able to lead financial process optimization projects and will have a deep understanding of market microstructure and financial innovations such as Blockchain and DeFi.

You will elevate your financial profile with cutting-edge competencies, mastering everything from algorithmic operations to psychological management for strategic investment decisions.

- **Strategic Mastery in Financial Markets:** Understand and apply the complexities of market microstructure and various financial instruments, optimizing decision-making in algorithmic trading
- **Problem-Solving in Investment:** Utilize critical thinking to identify and resolve complexities in the investment field, optimizing strategies through solutions based on stock market analysis
- **Ethical Commitment and Risk Management:** Apply ethical principles and regulations in financial markets, ensuring capital protection and risk mitigation when operating with advanced strategies
- **Collaboration in Financial Environments:** Work effectively with other industry professionals and technology teams, facilitating the integration of investment psychology and algorithms in operations

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

1. **Quantitative/Algorithmic Trader:** Manager of Algorithmic Trading systems, responsible for designing, implementing, and optimizing automated strategies across various financial markets.
2. **Financial Market Analyst:** Responsible for the technical and fundamental analysis of assets, providing key insights for investment decision-making and identifying trends.
3. **Investment Psychology Specialist:** Focuses on developing mental resilience and emotional control for traders, mitigating cognitive biases for more disciplined operations.
4. **Quantitative Portfolio Manager:** Leader in the creation and management of investment portfolios, using mathematical and algorithmic models to optimize performance and risk.
5. **Trading Strategies Consultant:** Coordinator dedicated to advising institutions or individual investors on the implementation of Algorithmic Trading techniques and Investment Psychology management.
6. **Trading System Developer:** Responsible for programming and maintaining Expert Advisors (EAs) and other algorithmic tools, ensuring their functionality and efficiency.
7. **Market and Operational Risk Specialist:** Manager of identifying, measuring, and mitigating the risks inherent in financial market operations, including the impact of algorithmic trading.
8. **Quantitative Model Researcher:** Responsible for exploring new methodologies and algorithms for analyzing and predicting movements in financial markets, driving innovation in the sector.

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.

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.

"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.

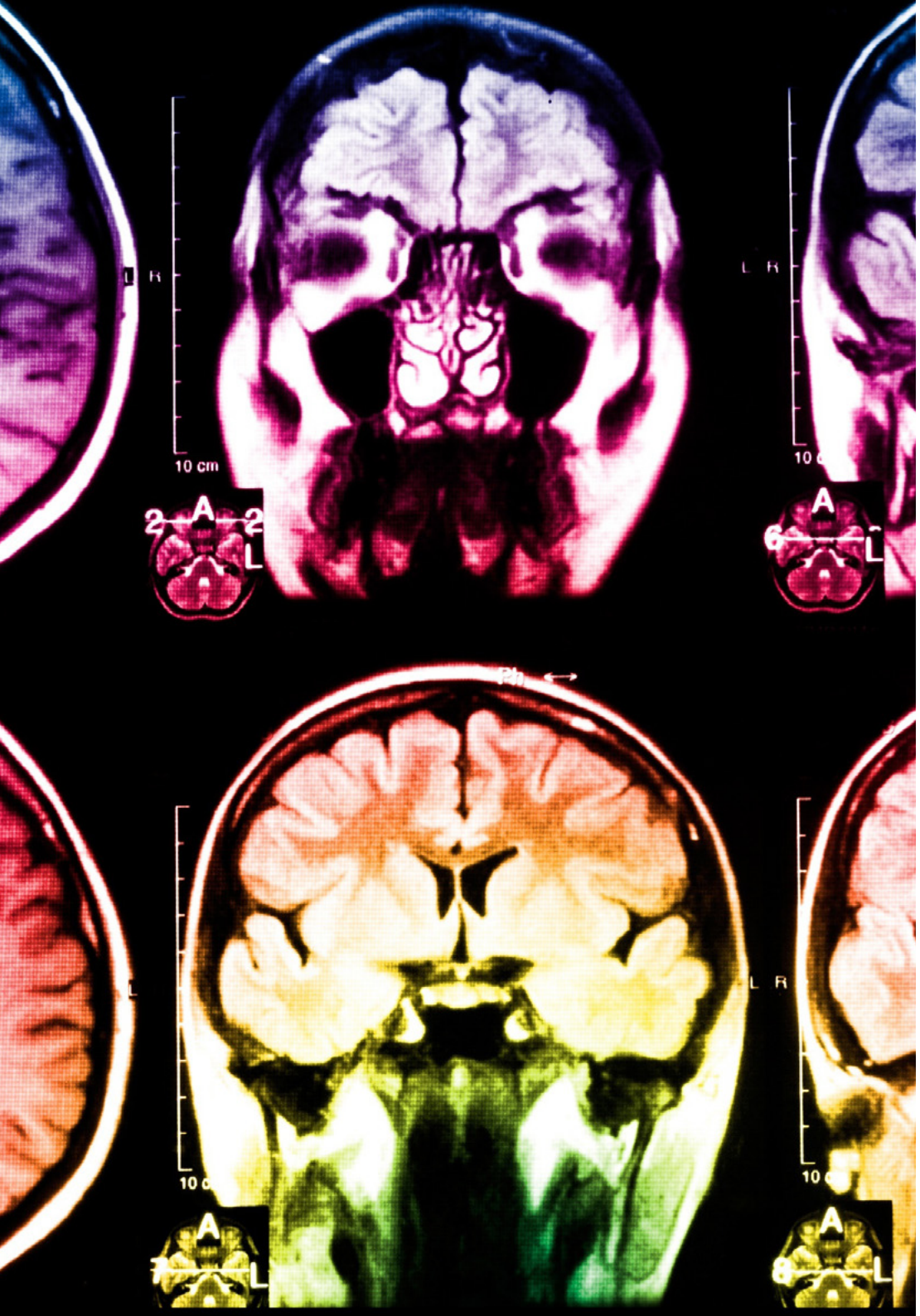
In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

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.

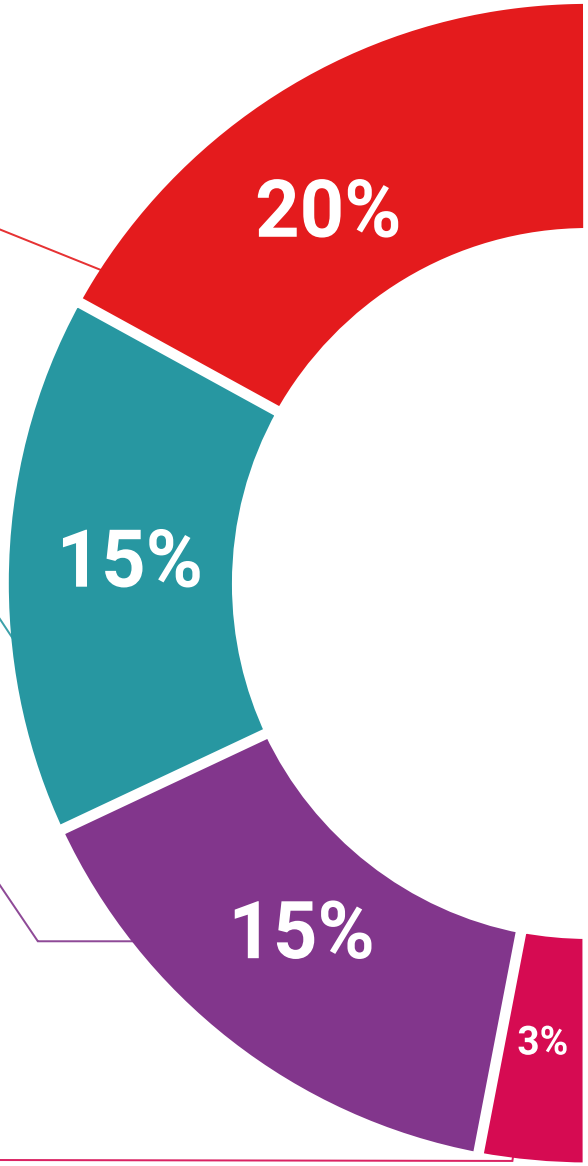
Interactive Summaries

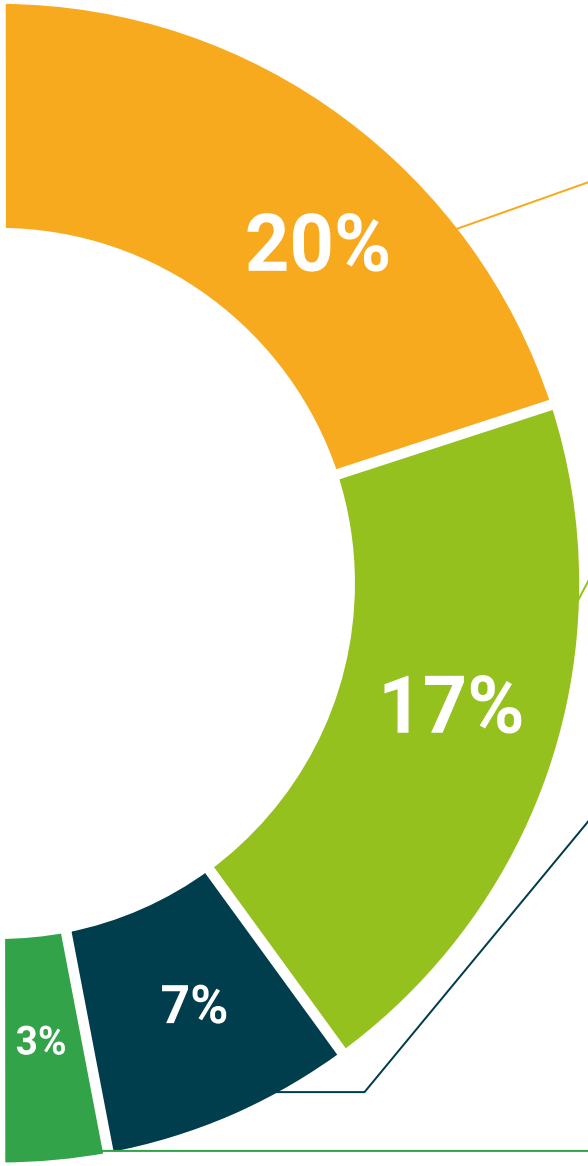
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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.





Case Studies

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.

Testing & Retesting

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.

Classes

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

Learning from an expert strengthens knowledge and memory, and generates confidence for future difficult decisions.

Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical and effective way to help students progress in their learning.

07

Teaching Staff

The selected faculty members possess a unique combination of academic expertise and hands-on experience in the Financial Markets. As a result, these professionals have extensively worked on designing and implementing Algorithmic Trading strategies, as well as applying Investment Psychology. In fact, they not only master advanced technologies and their use in stock market environments but have also participated in projects involving analysis and operations in renowned investment funds and Brokerage firms. Therefore, their experience ensures that graduates will receive training based on the latest trends and best practices.

You will be trained by experts who not only operate in the Financial Markets but are pioneers in the application of Algorithms and understanding of Psychology in Trading"

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

Mr. Martín Moreno, David

- Specialist in Financial Management by European University Miguel de Cervantes Business School
- Master's Degree in Financial Planning and Advice, 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, 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

A unique, essential and decisive learning experience to boost your professional development"

08

Certificate

This Postgraduate Diploma in Algorithmic Trading and Investment Psychology 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.

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 Algorithmic Trading and Investment Psychology** 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 Algorithmic Trading and Investment Psychology**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**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Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Diploma in Algorithmic Trading and Investment Psychology

This is a private qualification of 540 hours of duration equivalent to 18 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Dean

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

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Postgraduate Diploma
Algorithmic Trading and Investment Psychology

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

Postgraduate Diploma

Algorithmic Trading and Investment Psychology

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