



Postgraduate Diploma Mathematics and Econometrics

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

Target Group: University Graduates who have previously completed any of the degrees in the fields of Mathematics and Macroeconomics.

 $We b site: {\color{blue}www.techtitute.com/in/school-of-business/postgraduate-diploma/postgraduate-diploma-mathematics-econometrics}$

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01 **Welcome**

The increasing involvement of mathematics in crisis management and various economic frameworks has led to professionals in this field looking for higher level specialization. Its current contribution in informatics is one of the most powerful interests that have led to the demand for academic programs by mathematical experts who wish to broaden their knowledge in the field. For this reason, TECH offers a complete and rigorous program based on the professional experience of professionals versed in econometrics in the health and industrial fields, in macroeconomics and development, as well as marketing and finance. In addition, TECH offers its programs through a 100% online format that allows flexible and adaptable study to the needs of managers.









tech 08 | Why Study at TECH?

At TECH Technological University



Innovation

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

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



The Highest Standards

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

95%

of TECH students successfully complete their studies



Networking

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

100,000+

200+

executives trained each year

different nationalities



Empowerment

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

500+

collaborative agreements with leading companies



Talent

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

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



Multicultural Context

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

TECH students represent more than 200 different nationalities.



B

Learn with the best

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

Teachers representing 20 different nationalities.



At TECH you will have access to Harvard Business School case studies"

Why Study at TECH? | 09 tech

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



Analysis

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



Academic Excellence

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



Economy of Scale

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





tech 12 | Why Our Program?

This program will provide students with a multitude of professional and personal advantages, particularly the following:



A significant career boost

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

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



Develop a strategic and global vision of companies

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

Our global vision of companies will improve your strategic vision.



Consolidate the student's senior management skills

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

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



Take on new responsibilities

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

45% of graduates are promoted internally.



Access to a powerful network of contacts

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

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



Thoroughly develop business projects

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

20% of our students develop their own business idea.



Improve soft skills and management skills

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

Improve your communication and leadership skills and enhance your career.



Be part of an exclusive community

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

We give you the opportunity to train with a team of world renowned teachers.





tech 16 | Objectives

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

The Postgraduate Diploma in Mathematics and Econometrics enables the student to:



Know the basic elements that make up business mathematics: linear and matrix algebra, matrices, matrix transposition, calculus, matrix inversion, systems of equations, etc.



Recognize economic realities in one or more differential equations from an economic perspective



Understand the different techniques and mathematical methods used within the financial framework of a company

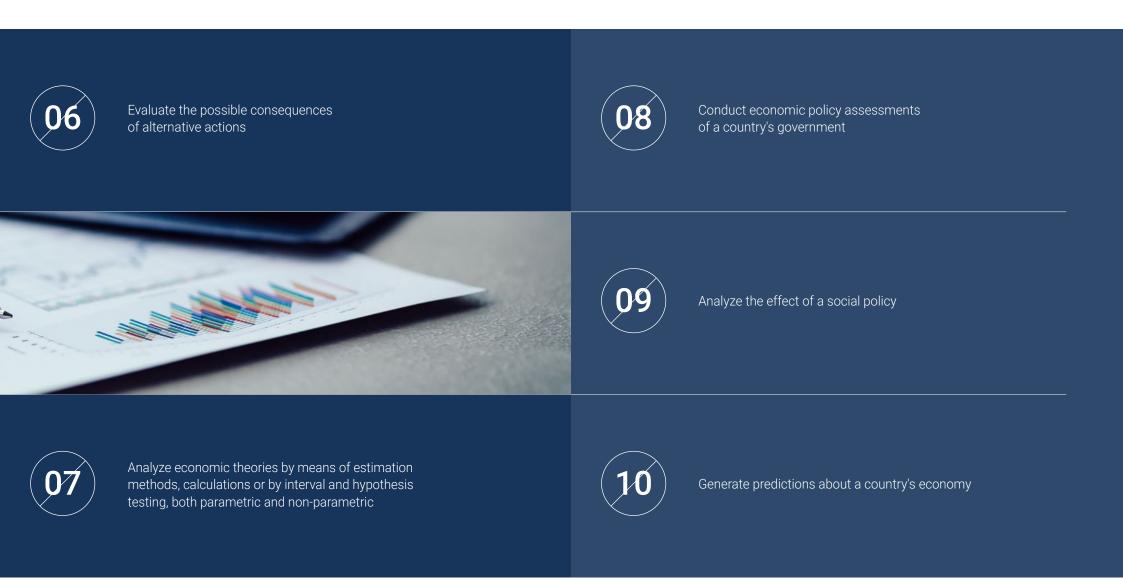




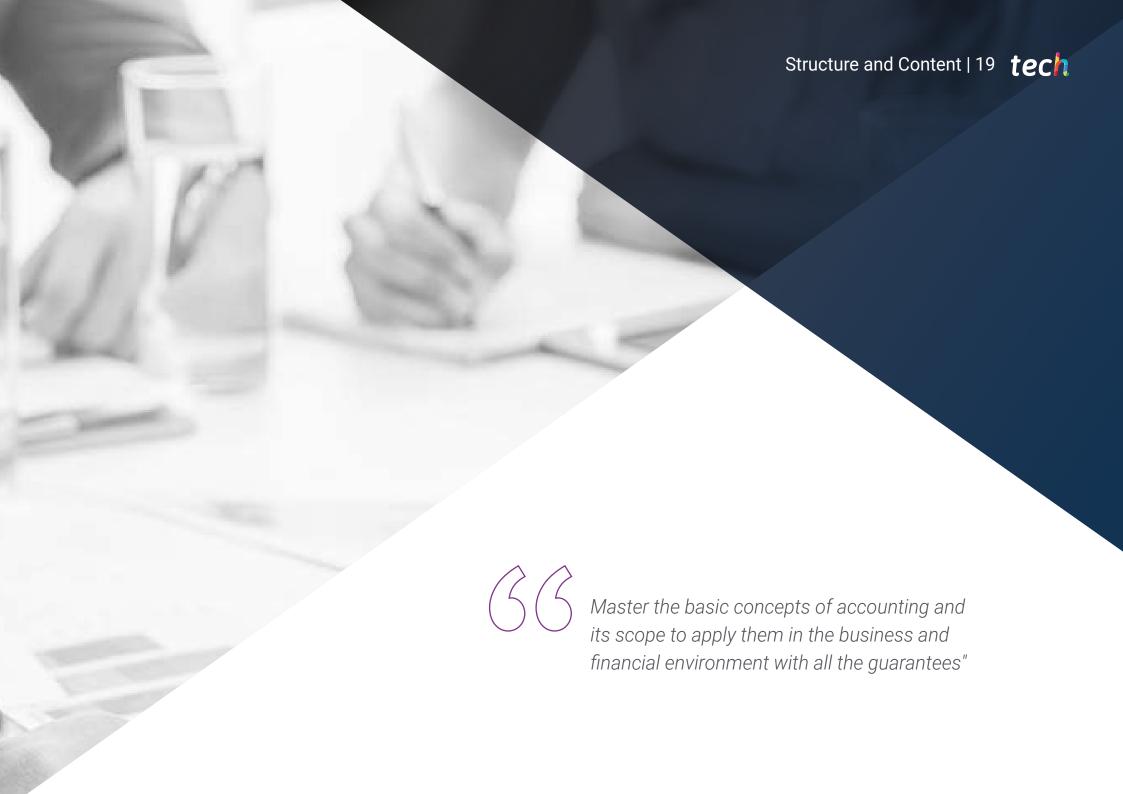
Apply mathematical techniques and methods to the financial framework of the company



Interpret the results of optimization problems







tech 20 | Structure and Content

Syllabus

TECH's Postgraduate Diploma in Mathematics and Econometrics is a comprehensive program designed to broaden the financial skills of graduates in Economics, Accounting and Finance, among other degrees. One of the objectives of the program is the mastery of the method of analysis and representation of operations in the accounting field, in addition to providing students with a critical view of national and international economic problems.

To achieve this, TECH teaches this subject through theoretical and practical exercises that are focused on current environments, so that students can apply them in the real financial scenario. With this in mind, the University has adopted the most innovative methodology to facilitate and guarantee the financial training of students in the shortest possible time and in the most accessible way.

In just six months, specialists will learn the keys to economic performance, applying real functions of several variables, the ordinary least squares (OLS) estimation method, residual analysis in linear prediction, as well as qualitative variables in MRLG II and Dummyvariables, among other issues. It is a program that will project the professional career of economists, supported by an expert teaching staff in the field.

In addition, TECH uses the Relearning methodology to bring all the knowledge and current economic tools to the specialists without the need to invest long hours of study in it. Likewise, its 100% online modality offers the possibility of adapting the study to the personal and professional needs of the students, regardless of their time availability.

This Postgraduate Diploma takes place over six months and is divided into three modules:

Module 1. Mathematics

Module 2. Mathematics for Economists

Module 3. Econometrics



Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate
Diploma in Mathematics and
Econometrics completely online.
Over the course of 6 months, you will be able to access all the contents of this program at any time, allowing you to self-manage your study time.

A unique, key, and decisive educational experience to boost your professional development and make the definitive leap.

Mod	lule 1. Mathematics						
1.1. 1.1.1.	Basic Elements of Linear and Matrix Algebra The Vector Space of IRn, Functions and Variables 1.1.1.1. Graphical Representation of Sets in R 1.1.1.2. Basic Concepts of Functions of Several Real Variables. Operations with Functions 1.1.1.3. Function Types 1.1.1.4. Weierstrass' Theorem	1.1.2. 1.1.3.	Optimization with Inequality Constraints 1.1.2.1. Two-Variable Graphical Method Function Types 1.1.3.1. Separate Variables 1.1.3.2. Polynomial Variables 1.1.3.3. Rational Variables 1.1.3.4. Quadratic Forms	1.2. 1.2.1. 1.2.2.	Matrices: Types, Concepts and Operations Basic Definitions 1.2.1.1. Matrix of Order mxn 1.2.1.2. Square Matrices 1.2.1.3. Identity Matrix Matrix Operations 1.2.2.1. Matrix Addition 1.2.2.2. Scalar Multiplication 1.2.2.3. Matrix Multiplication	1.3. 1.3.1. 1.3.2.	Transpose Diagonalizable Matrix Transpose Properties 1.3.2.1. Involution
1.4. 1.4.1.	Determinants: Calculation and Definition The Concept of Determinants 1.4.1.1. Determinant Definition 1.4.1.2. Square Matrix of Order 2,3 and Greater Than 3	1.4.2.	Triangular Matrices 1.4.2.1. Determinant of Triangular Matrices 1.4.2.2. Determinant of Non-Triangular Square Matrices Properties of Determinants 1.4.3.1. Simplifying Calculations 1.4.3.2. Calculation in any Case	1.5. 1.5.1.	Invertible Matrices Properties of Invertible Matrices 1.5.1.1. The Concept of Inversion 1.5.1.2. Definitions and Basic Concepts		Invertible Matrix Calculation 1.5.2.1. Methods and Calculation 1.5.2.2. Exceptions and Examples Expression Matrices and Matrix Equations 1.5.3.1. Expression Matrices 1.5.3.2. Matrix Equations
1.6. 1.6.1.	Solving Systems of Equations Linear Equations 1.6.1.1. Discussion of the System. Rouché-Capelli Theorem 1.6.1.2. Cramer's Rule: Solving the System 1.6.1.3. Homogeneous Systems	1.6.2.	Vector Spaces 1.6.2.1. Properties of Vector Spaces 1.6.2.2. Linear Combination of Vectors 1.6.2.3. Linear Dependence and Independence 1.6.2.4. Coordinate Vectors 1.6.2.5. The Basis Theorem	1.7. 1.7.1. 1.7.2.	Quadratic Forms Concept and Definition of Quadratic Forms Quadratic Matrices 1.7.2.1. Law of Inertia for Quadratic Forms 1.7.2.2. Study of the Sign by Eigenvalues 1.7.2.3. Study of the Sign by Minors	1.8. 1.8.1.	Functions of One Variable Analysis of the Behavior of a Magnitude 1.8.1.1. Local Analysis 1.8.1.2. Continuity 1.8.1.3. Restricted Continuity

1.9. Limits of Functions, Domain and Image in Real Functions

- 1.9.1. Multi-variable Functions
- 1.9.1.1. Vector of Several Variables 1.9.2. The Domain of a Function
- 1.9.2. The Domain of a Function 1.9.2.1. Concept and Applications
- 1.9.3. Function Limits
 1.9.3.1. Limits of a Function at a Point
 - 1.9.3.2. Lateral Limits of a Function 1.9.3.3. Limits of Rational Functions

- 1.9.4. Indeterminacy 1.9.4.1. Indeterminacy in Functions with Roots
 - 1.9.4.2. Indetermination 0/0
- 1.9.5. The Domain and Image of a Function 1.9.5.1. Concept and Characteristics 1.9.5.2. Domain and Image Calculation

1.10. Derivatives: Behavior Analysis

- 1.10.1. Derivatives of a Function at a Point 1.10.1.1. Concept and Characteristics
 - 1.10.1.2. Geometric Interpretation
- 1.10.2. Differentiation Rules
 - 1.10.2.1. Derivative of a Constant
 - 1.10.2.2. Derivative of a Sum
 - or Differentiation
 - 1.10.2.3. Derivative of a Product
 - 1.10.2.4. Derivative of an Opposite Function
 - 1.10.2.5. Derivative of a Compound's Function

1.11. Application of Derivatives to Study Functions

- 1.11.1. Properties of Differentiable Functions
 - 1.11.1.1 Maximum Theorem
 - 1.11.1.2. Minimum Theorem
 - 1.11.1.3. Rolle's Theorem
 - 1.11.1.4. Mean Value Theorem
 - 1.11.1.5. L'Hôpital's Rule
- 1.11.2. Valuation of Economic Quantities
- 1.11.3. Differentiable Functions

1.12. Function Optimization for Several Variables

- 1.12.1. Function Optimization
 1.12.1.1. Optimization with
 Equality Constraint
 1.12.1.2. Critical Points
- 1.12.1.3. Relative Extremes
 1.12.2. Convex and Concave Functions
 1.12.2.1. Properties of Convex
 and Concave Functions
 - 1.12.2.2. Inflection Points 1.12.2.3. Growth and Decay

1.13. Antiderivatives

- 1.13.1. Antiderivatives 1.13.1.1. Basic Concepts
- 1.13.1.2. Calculation Methods
 1.13.2. Immediate Integrals
 1.13.2.1. Properties of
 Immediate Integrals
- 1.13.3. Integration Methods 1.13.3.1. Rational Integrals

1.14. Definite Integrals

- 1.14.1. Barrow's Fundamental Theorem
 - 1.14.1.1. Definition of the Theorem
 - 1.14.1.2. Calculation Basis
 - 1.14.1.3. Applications of the Theorem
- 1.14.2. Curve Cutoff in Definite Integrals
 - 1.14.2.1. Concept of Curve Cutoff
 - 1.14.2.2. Calculation Basis and
 - Operations Study
 - 1.14.2.3. Applications of Curve
 - **Cutoff Calculation**

1.14.3. Mean Value Theorem

- 1.14.3.1. Concept of Theorem
- and Closed Interval
- 1.14.3.2. Calculation Basis and
- Operations Study
- 1.14.3.3. Applications of the Theorem

Equations (with Constant Coefficients)

Module 2. Mathematics for Economists 2.2. Multi-variable Real Functions 2.4. Unconstrained and 2.1. Multi-variable Functions 2.3. Optimization 2.1.1. Terminology and Basic 2.2.1. Function Limits 2.3.1. Definition **Constrained Equality** Mathematical Concepts 2 2 1 1 Point Limit of an IRn in IRm Function 2.3.2. Searching and Interpreting Optimum Optimization 2.1.2. Definition of IRn in IRm Functions 2.2.1.2. Directional Limits 2.3.3. Weierstrass' Theorem 2.4.1. Taylor's Theorem Applied to Multi-2.1.3. Graphic Representation 2.2.1.3. Double Limits and Their Properties 2.3.4 Local-Global Theorem variable Functions 2.1.4. Types of Functions 2.2.1.4. Limit of an IRn in IRm Function 2.4.2. Unconstrained Optimization 2.1.4.1. Scaled Functions 2.2.2. Continuity Study of Multi-variable Functions 2.4.3. Constrained Optimization 2.2.3. Function Derivatives: Successive and 2.1.4.1.1 Concave Function and Its 2.4.3.1. Direct Method Application to Economic Research Partial Derivatives Concept of Differential 2.4.3.2. Interpreting Lagrange Multipliers 2.1.4.1.2. Convex Function and Its of a Function 2.4.3.2.1. Hessian Matrix 2.2.4. Differentiation of Compound Functions: Application to Economic Research 2.1.4.1.3. Level Curves Chain Rule 2.1.4.2. Vectorial Functions 2.2.5. Homogeneous Functions 2.1.4.3. Operations with Functions 2.2.5.1. Properties 2.2.5.2. Euler's Theorem and Its Economic Interpretation 2.5. Optimization with Lineal Programming 2.7. Integral Calculus: Riemann's Integral 2.8. Applications of Rienmann's Integral 2.6.1. Introduction Definition and Application in Economics in Business and Economics **Inequality Constraints** 2.6.2. Properties 2.7.2. Properties 2.5.1. Introduction 2.8.1. Distribution Function Integrability Conditions 2.5.2. Necessary First-order Conditions for the 2.6.3. Graphic Resolution 2.8.2. Present Value of a Cash Flow 2.6.4. Applying Kuhn-Tucker Conditions Relation between Integrals and Derivatives Existence of Local Optima: Kuhn-Tucker's 2.8.3. Mean Value of a Function in an Enclosure 2.7.5. Integration by Parts 2.6.5. Simplex Method Theorem and Its Economic Interpretation 2.8.4. Pierre-Simon Laplace and His Contribution 2.6.6. Economic Applications Change of Variables 2.5.3. Globality Theorem: Integration Method Convex Programming 2.9. Ordinary Differential Equations 2.10. Finite Difference Equations 2.9.1. Introduction 2.10.1. Introduction 2.9.2. Definition 2.10.2. Discrete Variable Functions or 2.9.3. Classification Discrete Functions 2.9.4. First Order Differential Equations 2.10.3. First-order Linear Finite Difference Equations 2.9.4.1. Resolution with Constant Coefficients 2.9.4.2 Bernoulli's Differential Equations 2.10.4. Order Linear Finite Difference Equations 2.9.5. Exact Differential Equations with Constant Coefficients 2.9.5.1. Resolution 2.10.5. Economic Applications 2.9.6. Greater Than One Ordinary Differential

Module 3. Econometrics			
 3.1. The Ordinary Least Squares (OLS) Method 3.1.1. Linear Regression Models 3.1.2. Types of Content 3.1.3. General Line and OLS Estimation 	 3.2. OLS Method in Other Scenarios 3.2.1. Abandoning Basic Assumptions 3.2.2. Method Behavior 3.2.3. Effect of Measurement Changes 	3.3. Properties of OLS Estimators3.3.1. Moments and Properties3.3.2. Variance Estimation3.3.3. Matrix Forms	3.4. OLS Variance Calculation3.4.1. Basic Concepts3.4.2. Hypothesis Testing3.4.3. Model Coefficients
 3.5. Hypothesis Testing in Linea Regression Models 3.5.1. T-Contrast 3.5.2. F-Contrast 3.5.3. Global Contrasts 	3.6. Confidence Intervals 3.6.1. Objectives 3.6.2. In a Coefficient 3.6.3. In a Combination of Coefficients	3.7. Specification Problems3.7.1. Use and Concept3.7.2. Types of Problems3.7.3. Unobservable Explanatory Variables	3.8. Prediction in Linear Regression Models 3.8.1. Prediction 3.8.2. Average Value Intervals 3.8.3. Applications
 3.9. Residual Analysis in Linear Prediction 3.9.1. Objectives and General Concepts 3.9.2. Analysis Tools 3.9.3. Waste Analysis 	3.10. Qualitative Variables in GLRM I 3.10.1. Fundamentals 3.10.2. Models with Various Types of Information 3.10.3. Linear Metrics	3.11. Qualitative Variables in GLRM II 3.11.1. Binary Variables 3.11.2. Use of DummyVariables 3.11.3. Time Series	3.12. Autocorrelation 3.12.1. Basic Concepts 3.12.2. Consequences 3.12.3. Contrast
3.13. Heteroscedasticity 3.13.1. Concept and Contrasts 3.13.2. Consequences 3.13.3. Time Series			



This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.





tech 28 | Methodology

TECH Business School uses the Case Study to contextualize all content

Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.





This program prepares you to face business challenges in uncertain environments and achieve business success.



Our program prepares you to face new challenges in uncertain environments and achieve success in your career.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch to present executives with challenges and business decisions at the highest level, whether at the national or international level. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and business reality is taken into account.



You will learn, through collaborative activities and real cases, how to solve complex situations in real business environments"

The case method has been the most widely used learning system among the world's leading business schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question we face in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They must integrate all their knowledge, research, argue and defend their ideas and decisions.

tech 30 | Methodology

Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

Our online system will allow you to organize your time and learning pace, adapting it to your schedule. You will be able to access the contents from any device with an internet connection.

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our online business school is the only one in the world licensed to incorporate this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.



Methodology | 31 tech

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically. With this methodology we have trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, markets, and financial instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.

This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Classes

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

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



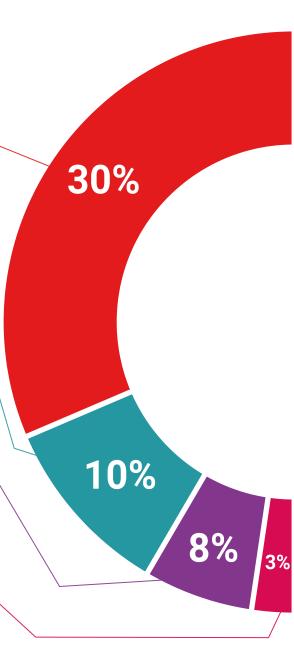
Management Skills Exercises

They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager needs to develop in the context of the globalization we live in.



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best senior management specialists in the world.



Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.



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

Testing & Retesting

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We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.

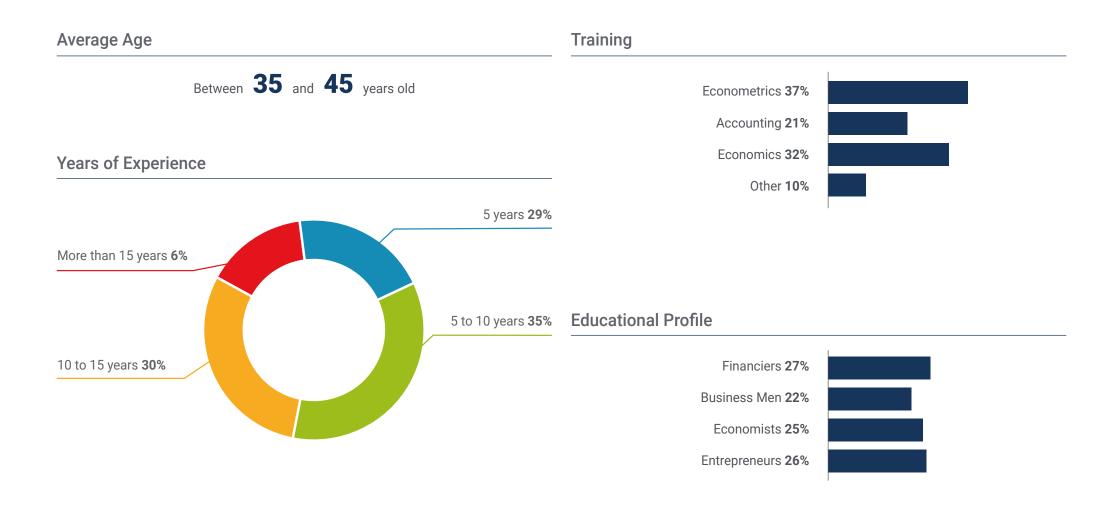


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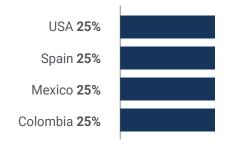




tech 36 | Our Students' Profiles



Geographical Distribution





Ana Martinez

Economist and Financial

"Thanks to this program, I have managed to advance in the branches of accounting, towards the analysis of financial statements. Not only has it been a very complete and rigorous program, due to the collaboration of its teachers, but they have provided me with all the facilities to combine work and study at the same time, in addition to the family"





Master the uses, techniques and methods of unconstrained and constrained equality optimization methods of the international economic framework, thanks to TECH.

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

The TECH Postgraduate Diploma in Mathematics and Econometrics is an intensive program that prepares the professional to face challenges and business decisions in the field of Accounting. The main objective is to promote personal and professional growth. Helping students achieve success.

If the goal is to better yourself, make a positive change professionally and network with the best, this is the place. If you want to make a positive change in your profession, the Postgraduate Diploma in Mathematics and Econometrics will help you achieve it.

Time of change

During the program

11%

During the first year

64%

After 2 years

25%

Type of change

Internal Promotion **40**%
Change of Company **30**%
Entrepreneurship **30**%

Salary increase

The completion of this program represents a salary increase of more than **25.3%** for our students.

Salary before

\$53,600

A salary increase of

25,3%

Salary after

\$67,100





tech 44 | Benefits for Your Company

Developing and retaining talent in companies is the best long-term investment.



Intellectual Capital and Talent Growth

The professional will introduce the company to new concepts, strategies, and perspectives that can bring about significant changes in the organization.



Retaining high-potential executives to avoid talent drain

This program strengthens the link between the company and the professional and opens new avenues for professional growth within the company.



Building agents of change

You will be able to make decisions in times of uncertainty and crisis, helping the organization overcome obstacles.



Increased international expansion possibilities

Thanks to this program, the company will come into contact with the main markets in the world economy.







Project Development

The professional can work on a real project or develop new projects in the field of R&D or Business Development of your company.



Increased competitiveness

This Postgraduate Diploma will equip your professionals with the skills to take on new challenges and therefore drive the organization forward.





tech 48 | Certificate

This **Postgraduate Diploma in Mathematics and Econometrics** contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma**, issued by **TECH Technological University** via tracked delivery*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: Postgraduate Diploma in Mathematics and Econometrics
Official N° of Hours: 450 h.



^{*}Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.



Postgraduate Diploma Mathematics and Econometrics

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

