

# Postgraduate Certificate Macroeconomics





## Postgraduate Certificate Macroeconomics

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online
- » Target Group: University graduates and professionals in the field of Business Sciences who would like to further their studies in this area

Website: [www.techtute.com/pk/school-of-business/postgraduate-certificate/macroeconomics](http://www.techtute.com/pk/school-of-business/postgraduate-certificate/macroeconomics)

# Index

01

Welcome

---

*p. 4*

02

Why Study at TECH?

---

*p. 6*

03

Why Our Program?

---

*p. 10*

04

Objectives

---

*p. 14*

05

Structure and Content

---

*p. 18*

06

Methodology

---

*p. 24*

07

Our Students' Profiles

---

*p. 32*

08

Impact on Your Career

---

*p. 36*

09

Benefits for Your Company

---

*p. 40*

10

Certificate

---

*p. 44*

# 01

# Welcome

Undoubtedly, economics is a highly complex science because its field of study involves an infinite number of factors, ranging from the most global, such as the production of goods and/or services at an international level, to simple personal decisions made by individuals. The area that studies these integral issues is called Macroeconomics, and it is the part of economics that studies the data of an area, country or group of countries, considered as a whole and using collective or global magnitudes such as national income, employment, investments or imports and exports. The data can greatly influence the results of companies, so this TECH program will address all these issues to provide professionals with a complete perspective that will help them make better decisions in uncertain economic environments that influence the health of a company.



Postgraduate Certificate in Macroeconomics.  
TECH Technological University



“

*With this comprehensive Postgraduate Certificate, you will be able to understand and analyze Macroeconomics with an integral and effective perspective”*

02

# Why Study at TECH?

TECH is the world's largest 100% online business school. It is an elite business school, with a model based on the highest academic standards. A world-class centre for intensive managerial skills training.



“

*TECH is a university at the forefront of technology, and puts all its resources at the student's disposal to help them achieve entrepreneurial success"*

## 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+**  
executives trained each year

**200+**  
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.





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



### 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 the most rigorous and up-to-date case studies in the academic community"*



### 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 method (a postgraduate learning methodology with the highest international rating) with the Case Study. A complex balance between tradition and state-of-the-art, within the context of the most demanding academic itinerary.



### 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 groundbreaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.

03

# Why Our Program?

Studying this TECH program means increasing the chances of achieving professional success in senior business management.

It is a challenge that demands effort and dedication, but it opens the door to a promising future. Students will learn from the best teaching staff and with the most flexible and innovative educational methodology.



“

*We have highly qualified teachers and the most complete syllabus on the market, which allows us to offer you training of the highest academic level"*

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

**01**

### 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.*

**02**

### 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.*

**03**

### 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.*

**04**

### 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.*

05

### 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.*

06

### 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.*

07

### 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.*

08

### 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.*

# 04 Objectives

The objectives of this program are based on meeting the educational needs of Business Science professionals in the field of business Macroeconomics in various sectors and at various scales. In this sense, a complete and optimal program has been realistically established to lead students to academic excellence and encourage them to achieve an efficient progression in their professional careers. For all these reasons, this program will be a journey of personal and professional growth for our students that will lead them to the highest quality in expert intervention in business calculations.



“

*International experience, ethical commitment, and business acumen are some of the most sought-after traits in executives in the digital age”*

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

The **Postgraduate Certificate in Macroeconomics** qualifies students to:

01

Achieve a global and general vision of  
Macroeconomics and its implication in companies

02

Explain the objectives of Macroeconomics  
and the instruments of economic policy







03

Explain the use and impact of these instruments on goods and financial markets

04

Understand changes in domestic and foreign demand

05

# Structure and Content

The syllabus for this Postgraduate Certificate has been designed and created by a team of experts in the field to respond specifically to the needs of Business Science professionals. This compendium of content has also been designed with a focus on applied learning, which will allow professionals to successfully intervene by means of a broad vision connected to real environments in the profession. Thus, this syllabus will become the student's main asset when it comes to successfully entering a labor market that increasingly demands more and more specialized professionals who are knowledgeable of Macroeconomics.



“

*What you study is very important. The skills and competencies you acquire are fundamental. You won't find a more complete syllabus than this one”*

## Syllabus

Macroeconomics is the science that studies the economy at a global level, that is, it is responsible for analyzing the goods and services produced and their implications at a national and international level. All this with the aim of observing the internal and external repercussions that occur and the way they influence a company. Therefore, and understanding the importance that Macroeconomics has in the overall outcome of business economics, TECH offers students this complete Postgraduate Certificate where they will gain a comprehensive understanding of Macroeconomics.

This Postgraduate Certificate aims to provide business professionals with in-depth knowledge that will guide them when analyzing and successfully proposing measures at a macroeconomic level. In this sense, the Postgraduate Certificate will address the concept of this science, and will teach students to identify the objectives of Macroeconomics, the instruments of economic policy and the implication of these in companies.

This Postgraduate Certificate in Macroeconomics is designed to promote the development of skills that will enable more rigorous decision-making in uncertain environments. This will enable professionals to make use of various fruitful and success-oriented mathematical operations. Students will only need an electronic device with an Internet connection to access the largest information bank imaginable.

As it is an online program, students decide when, how and where to take on the course load, so they can balance the rest of their daily activities while they continue their education.

If you want to improve yourself, achieve a positive change at a professional level, interact with the best through an interesting online universe and belong to the new generation of professionals, this may well be your path.

This Postgraduate Certificate takes place over six weeks and is taught entirely online.

### Module 1

### Macroeconomics



### Where, When and How is it Taught?

TECH offers students the opportunity to take this Postgraduate Certificate in Macroeconomics entirely online. During the 6 weeks of the specialization, the student will be able to access all the contents of this program at any time, which will allow the students to self-manage their study time.

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

Module 1. Macroeconomics

<p><b>1.1. From Microeconomics to Macroeconomics: The Objectives of Macroeconomics</b></p> <p>1.1.1. Differences between Microeconomics          1.1.1.1. Concept and Analysis          1.1.1.2. Fundamental Processes          1.1.1.3. Comparative Analysis</p>	<p>1.1.2. Macroeconomic Objectives          1.1.2.1. Objectives          1.1.2.2. Objective Evolution</p>	<p><b>1.2. Economic Policy Instruments</b></p> <p>1.2.1. Concept          1.2.1.1. Description          1.2.1.2. Evolution</p>	<p>1.2.2. Instruments          1.2.2.1. Institutions          1.2.2.2. Globalization          1.2.2.3. Detailed Analysis          1.2.3. International Instruments          1.2.3.1. Concepts and Definition          1.2.3.2. International Management</p>
<p><b>1.3. Aggregate Production</b></p> <p>1.3.1. Aggregate Production Theory          1.3.1.1. Concepts          1.3.1.2. Origin of Theory          1.3.1.3. Applications</p>	<p>1.3.2. Aggregate Production Function          1.3.2.1. Yields and Constants          1.3.2.2. Production Factors          1.3.3. Applications</p>	<p><b>1.4. Unemployment and Inflation Measurement</b></p> <p>1.4.1. Unemployment Measurement          1.4.1.1. Concept and Definitions          1.4.1.2. Unemployment Impacts          1.4.1.3. Measurement and Instruments</p>	<p>1.4.2. Inflation          1.4.2.1. Demand-Pull Inflation          1.4.2.2. Cost-Push Inflation          1.4.2.3. Structural Inflation</p>
<p><b>1.5. The Demand for Goods: Consumption, Investment and Public Spending</b></p> <p>1.5.1. General Concepts          1.5.1.1. Important Definitions          1.5.1.2. The Consumer Market and Total Demand of Goods</p>	<p>1.5.2. The Components of GDP          1.5.2.1. Consumption          1.5.2.2. Investments          1.5.2.3. Public Spending</p>	<p><b>1.6. Determination of Equilibrium Production</b></p> <p>1.6.1. Concepts          1.6.1.1. Definition and Characteristics          1.6.1.2. Differences between Savings and Investment</p>	<p>1.6.2. Profitability          1.6.2.1. Profitability Ratio          1.6.2.2. Stocks, Bonds and Mutual Funds          1.6.2.3. Introduction to Liquidity</p>
<p><b>1.7. Money, Demand, Banking Systems and Money Supply</b></p> <p>1.7.1. Money          1.7.1.1. Functions          1.7.1.2. History &amp; evolution          1.7.1.3. Legal Tender</p>	<p>1.7.2. Money Creation Process          1.7.2.1. Money Supply          1.7.2.2. Liquid Assets</p>	<p><b>1.8. Money Market Equilibrium: Determination of the Interest Rate</b></p> <p>1.8.1. Monetary Base          1.8.1.1. Money Creation          1.8.1.2. Money Destruction</p>	<p>1.8.2. Central Banks          1.8.2.1. Types of Rediscount          1.8.2.2. Open Market Operations          1.8.2.3. Monetary Policy          1.8.3. Market Equilibrium          1.8.3.1. The Keynesian and Neoclassical Schools of Thought          1.8.3.2. LM (Liquidity-Money) Curve          1.8.3.3. Curve Displacements</p>
<p><b>1.9. The Goods Market and the IS (Investment-Savings) Relationship, Financial Markets and the LM (Liquidity-Money) Relationship, the IS-LM Model.</b></p> <p>1.9.1. The Goods Market and the IS Relationship          1.9.1.1. Concepts and Definitions          1.9.1.2. Basic Model          1.9.1.3. Sales Level and Interest Rate</p>	<p>1.9.2. Financial Market and the LM Relationship          1.9.2.1. Determination of Interest Rate          1.9.2.2. The LM Relationship and LM Curve          1.9.2.3. IS-LM Set Analysis</p>	<p><b>1.10. Fiscal Policy and Monetary Policy</b></p> <p>1.10.1. Fiscal Policies          1.10.1.1. Restrictive Fiscal Policy          1.10.1.2. Expansive Policies          1.10.1.3. IS Curve Conditions          1.10.2. Monetary Policies          1.10.2.1. Restrictive and Expansive Policies          1.10.2.2. LM Curve Conditions</p>	<p><b>1.11. The Goods Market Opening: Exports, Imports and Exchange Rates</b></p> <p>1.11.1. Situation and Outlook          1.11.1.1. Definition and Concepts          1.11.1.2. Outlook Update          1.11.2. Tools and Means          1.11.2.1. Analysis Types and Structure          1.11.2.2. Growth Indicators          1.11.2.3. IMF Interventions</p>

<p><b>1.12. Financial Market Opening: Balance of Payments, the Relationship between Interest Rate and Exchange Rate</b></p> <p>1.12.1. Balance of Payments          1.12.1.1. Balance of Capital          1.12.1.2. Balance of Trade and Services</p>	<p>1.12.2. Type of Change          1.12.2.1. Supply and Demand of Foreign Currencies          1.12.2.2. Exchange Rate Regimes</p> <p>1.12.3. Sterilization Policies          1.12.3.1. International Monetary Market          1.12.3.2. Covered Interest Rate Parity</p>	<p><b>1.13. Equilibrium in Goods Market, Financial Markets and Aggregates in an Open Economy</b></p> <p>1.13.1. IS Curve          1.13.1.1. Part of the Economic Analysis          1.13.1.2. Equilibrium</p>	<p>1.13.2. LM Curve          1.13.2.1. Part of the Economic Analysis          1.13.2.2. Equilibrium</p>
<p><b>1.14. Changes in Domestic and Foreign Demand</b></p> <p>1.14.1. Components          1.14.1.1. Definitions          1.14.1.2. Types of Demand          1.14.1.3. Compensation Measures</p> <p>1.14.2. Macro-Compensation Components</p>	<p><b>1.15. The Effects of Fiscal Policy in an Open Economy</b></p> <p>1.15.1. Open Economy Models          1.15.1.1. Exports          1.15.1.2. Imports          1.15.1.3. Demand for Financial Assets</p>	<p>1.15.2. Foreign Exchange and Goods Market          1.15.2.1. Definitions          1.15.2.2. Global Effects in Economics</p>	



*A unique, key, and decisive educational experience to boost your professional development and make the definitive leap towards a better professional future"*

# 06

# Methodology

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.







“

*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## 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.

“

*At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world”*



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



### **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.

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

## 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.



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.





### Case Studies

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

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.



07

# Our Students' Profiles

This Postgraduate Certificate in Macroeconomics is a program aimed at Business and Marketing professionals who want to update their knowledge in the area of mathematical operations management applied to business, and advance their professional career towards a promising future in the field. The compendium of knowledge they will acquire after completing this comprehensive program will enable them to practice in the field with guarantees of success and to position themselves as experts in digital entrepreneurship.







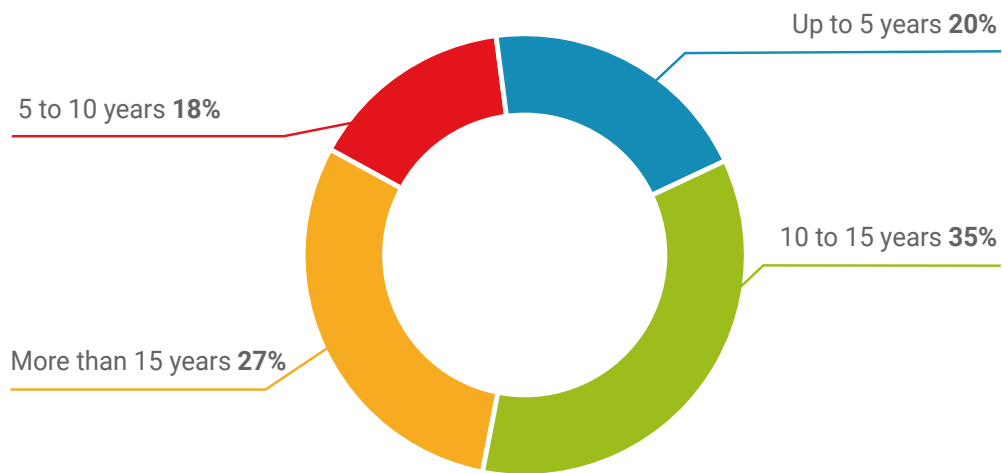
“

*If you want to achieve a substantial improvement in your professional career while continuing to work, this is the program for you”*

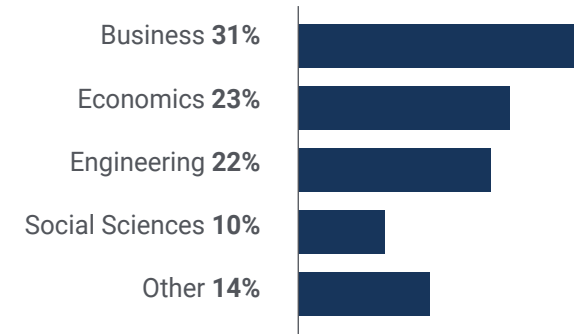
### Average Age

Between **35** and **45** years old

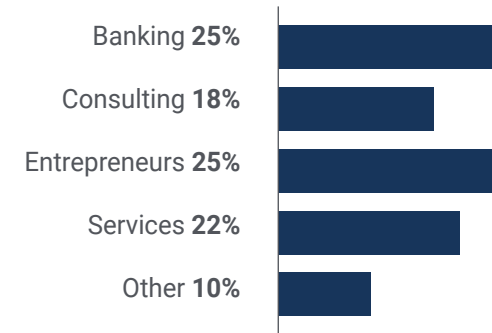
### Years of Experience



### Training

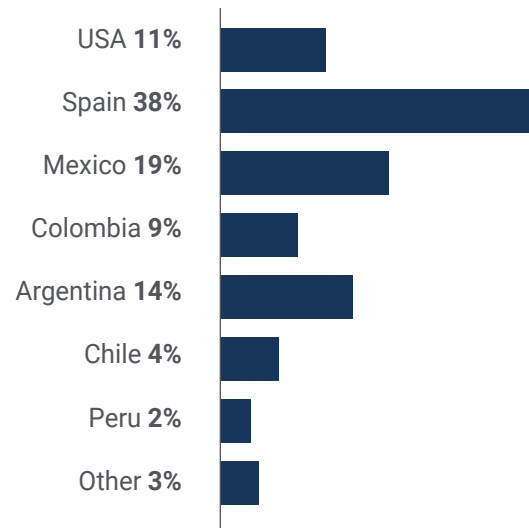


### Academic Profile



## Geographical Distribution

---



## Ariadna Ramos

---

Administrative Officer

*"Undoubtedly one of the most complete programs I've done at a digital level. The team of professors was great, and the teaching material, top notch. After this first experience, I would return to TECH for further specialization."*

08

# Impact on Your Career

TECH is aware that studying a program like this entails great economic, professional and, of course, personal investment.

The ultimate goal of this great effort should be to achieve professional growth. That is why TECH offers you all the tools you need to achieve the professional change you wish. A professional improvement that you will achieve with effort and hours of study.



“

*Our main challenge is to generate a positive change in your career path”*

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

With this program you will be able to drastically advance in your career, although there is no doubt that, in order to do so, you will have to make an investment in different areas, such as economic, professional and personal.

However, the goal is to improve in your professional life and, to do so, it is necessary to fight.

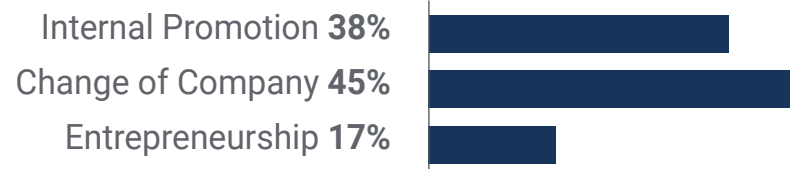
*Thanks to this programme you will receive a large number of job offers with which you will be able to start your professional growth.*

*TECH will help you boost your career in no time.*

### When the change occurs



### Type of change



### Salary increase

---

This program represents a salary increase of more than **25.22%** for our students.



09

# Benefits for Your Company

The Postgraduate Certificate in Macroeconomics contributes to elevating an organization's talent to its maximum potential by educating high-performing leaders.

Participating in this program is a unique opportunity to access a powerful network of contacts in which to find future professional partners, customers or suppliers.







“

*You will be able to contribute new concepts, strategies and perspectives to the company that can bring about essential changes in the organization”*

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

01

### **Intellectual Capital and Talent Growth**

Bring new concepts, strategies and perspectives to the company that can bring about relevant changes in the organization.

---

02

### **Retaining high-potential executives to avoid talent drain**

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

03

### **Building agents of change**

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

---

04

### **Increased international expansion possibilities**

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



05

### **Project Development**

Students will be able to work on a real project or develop new projects.

---

06

### **Increased competitiveness**

This program will equip students with the skills to take on new challenges and drive the organization.

# 10 Certificate

The Postgraduate Certificate in Macroeconomics guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.





“

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

This **Postgraduate Certificate in Macroeconomics** 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 Certificate** issued by **TECH Technological University** via tracked delivery\*.

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

Title: **Postgraduate Certificate in Macroeconomics**

Official N° of hours: **150 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 Certificate Macroeconomics

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

# Postgraduate Certificate Macroeconomics

