

# Postgraduate Certificate Statistical System and Economic Indicators



## Postgraduate Certificate Statistical System and Economic Indicators

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/engineering/postgraduate-certificate/statistical-system-economic-indicators](http://www.techtute.com/us/engineering/postgraduate-certificate/statistical-system-economic-indicators)

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# 01

# Introduction

Statistical System and Economic Indicators are vital tools for engineers, as they allow them to evaluate the performance and efficiency of business operations, as well as to make informed decisions regarding production processes, prices and marketing strategies. For this reason, TECH has designed a qualification that allows students to increase their knowledge of aspects such as Economics, Markets, Consumer Surplus, Perfect Competition and Macroeconomics, among others. All this, thanks to a 100% online format and with the most dynamic and practical multimedia materials in the academic market.





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*Improve your skills on Statistical Systems and Economic Indicators, thanks to the best online university in the world according to Forbes, thanks to TECH”*

Statistical Systems and Economic Indicators can help engineers assess the impact of their business decisions on the environment, society and the economy in general. The use of these systems allows them to design sustainable and environmentally friendly solutions that take into account the long-term economic and social impacts of their decisions.

For this reason, TECH has designed a Postgraduate Certificate in Statistical Systems and Economic Indicators with which it seeks to provide students with the skills to be able to perform their work as specialists, with the highest possible efficiency and quality. Therefore, throughout this program, aspects such as Macroeconomic Issues, Income as a Measurement Element, Markets and Supply and Demand in Equilibrium will be addressed.

All this, through a convenient 100% online format that allows students to organize their schedules and studies, combining them with their other day-to-day work and interests. In addition, this qualification has the most complete theoretical and practical materials on the market, which facilitates the student's study process and allows them to achieve their objectives quickly and efficiently.

This **Postgraduate Certificate in Statistical System and Economic Indicators** contains the most complete and up-to-date program on the market. The most important features include:

- ◆ The development of case studies presented by experts in Statistical System and Economic Indicators
- ◆ The graphic, schematic and eminently practical contents with which it is conceived provide sporting and practical information on those disciplines that are essential for professional practice
- ◆ Practical exercises where the self-assessment process can be carried out 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



*Become an expert in Economic Growth in just 6 weeks and with total freedom of organization”*

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*Reach your maximum potential in one of the most promising areas of the Engineering field, thanks to TECH and the most innovative and practical materials on the market”*

*Access all the content from your Tablet, cell phone or computer and without the need to travel of any kind.*

*Get new and better skills on Macroeconomics and its Evolution, from wherever you want and at any time of the day.*

The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies 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 immersive education programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.



# 02

# Objectives

The objective of this Postgraduate Certificate in Statistical System and Economic Indicators is that the student acquires a precise up-to-date knowledge in this area. An acquisition of skills that will allow you to work with the highest possible quality in your work. All this, thanks to TECH and a 100% online format that gives total freedom of organization and schedules to students, so that they can combine their studies with their other activities.



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*Enroll now and achieve success with TECH,  
in a 100% online format and with the best  
multimedia materials at your disposal”*



## General Objectives

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- ◆ Apply their knowledge to their work or vocation in a professional manner and possess the skills that are usually demonstrated through the development and defense of arguments and problem solving within their area of study
- ◆ Perform basic operations related to information debugging
- ◆ Use the appropriate sources of information for each type of applied study
- ◆ Describe the main sources of aggregate output growth of an economy in the long run
- ◆ Calculate and use elasticities and cost-of-living indexes





## Specific Objectives

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- ◆ Describe and analyze the elements on which both the consumer's and the producer's choice depends
- ◆ Calculate the market equilibrium of a good and its changes in response to shifts in the supply and demand curves
- ◆ Describe the agents and characteristics of a perfectly competitive market, and calculate the equilibrium
- ◆ List the characteristics of the financial system and the agents and institutions that form it
- ◆ Explain the concept of macroeconomic equilibrium and its properties using the aggregate supply and demand model

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*Exceed your highest expectations, thanks to a program that is unique in the market and has the most complete theoretical and practical materials on the academic market”*

03

# Structure and Content

The structure and contents of this program have been designed by the renowned professionals that form TECH's team of experts in this area of engineering. These specialists have used their extensive experience and their most advanced knowledge to create practical and completely innovative contents. All this, based on the most efficient teaching methodology, TECH's Relearning.





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*Test your new skills with a variety of challenging practical activities and reach your full potential in the field of Economic Statistics”*

## Module 1. Statistical System and Economic Indicators

- 1.1. Introduction
  - 1.1.1. Economics Field
  - 1.1.2. Three Principles of Economics: Optimality, Equilibrium and Empiricism
  - 1.1.3. Economic Methods and Issues
- 1.2. Demand, Supply and Equilibrium
  - 1.2.1. The Markets
  - 1.2.2. How do Buyers Behave?
  - 1.2.3. How do Sellers Behave?
  - 1.2.4. Supply and Demand in Equilibrium
- 1.3. Consumers, Sellers and Incentives
  - 1.3.1. The Buyer's Problem
  - 1.3.2. From the Buyer's Problem to the Demand Curve
  - 1.3.3. Demand Elasticities and Cost of Living Indexes
  - 1.3.4. Consumer Surplus
  - 1.3.5. The Seller's Problem
  - 1.3.6. From the Seller's Problem (In a Competitive Market) to the Supply Curve
  - 1.3.7. The Producer's Surplus
- 1.4. Perfect Competition and the Invisible Hand
  - 1.4.1. Perfect Competition and Efficiency
  - 1.4.2. Prices Drive the Invisible Hand
  - 1.4.3. Equity and Efficiency
- 1.5. Macroeconomics and its Evolution
  - 1.5.1. Real and Nominal GDP. Price Indexes
  - 1.5.2. Macroeconomic Issues
  - 1.5.3. What GDP Does Not Measure
  - 1.5.4. National Accounts: GDP, its Measurement and its Limits



- 1.6. Analysis of Differences in the Standard of Living between Countries
  - 1.6.1. Income as a Measurement Element
  - 1.6.2. The Aggregate Production Function and Productivity
  - 1.6.3. Technology
- 1.7. Economic Growth
  - 1.7.1. The Importance of Economic Growth
  - 1.7.2. Sources of Economic Growth
  - 1.7.3. Introduction to Growth Accounting
  - 1.7.4. Growth, Inequality and Poverty
- 1.8. Short-Term Economic Analysis
  - 1.8.1. Business Cycles
  - 1.8.2. Macroeconomic Equilibrium and Cycles
  - 1.8.3. Multipliers and Short- and Medium-Term Equilibrium
- 1.9. Stabilizing Policies
  - 1.9.1. Monetary Policy
  - 1.9.2. Fiscal Policy
- 1.10. Macroeconomics and International Trade
  - 1.10.1. The Advantages of International Trade
  - 1.10.2. Accounting for International Trade
  - 1.10.3. International Trade and Economic Growth

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*Thanks to the most efficient teaching methodology, TECH Relearning, you will be able to acquire new knowledge in a precise and natural way, without spending too much time studying”*

04

# 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.





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*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"*

## 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.

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



*You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.*



*The student will learn to solve complex situations in real business environments through collaborative activities and real cases.*

### A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. 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 professional reality is taken into account.

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

The case method is the most widely used learning system in the best faculties in the world. 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 that you are presented with in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

## Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

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

*In 2019, we obtained the best learning results of all online universities in the world.*

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 university is the only one in the world authorized to employ 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.

This methodology has 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, and financial markets and 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 training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for 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.



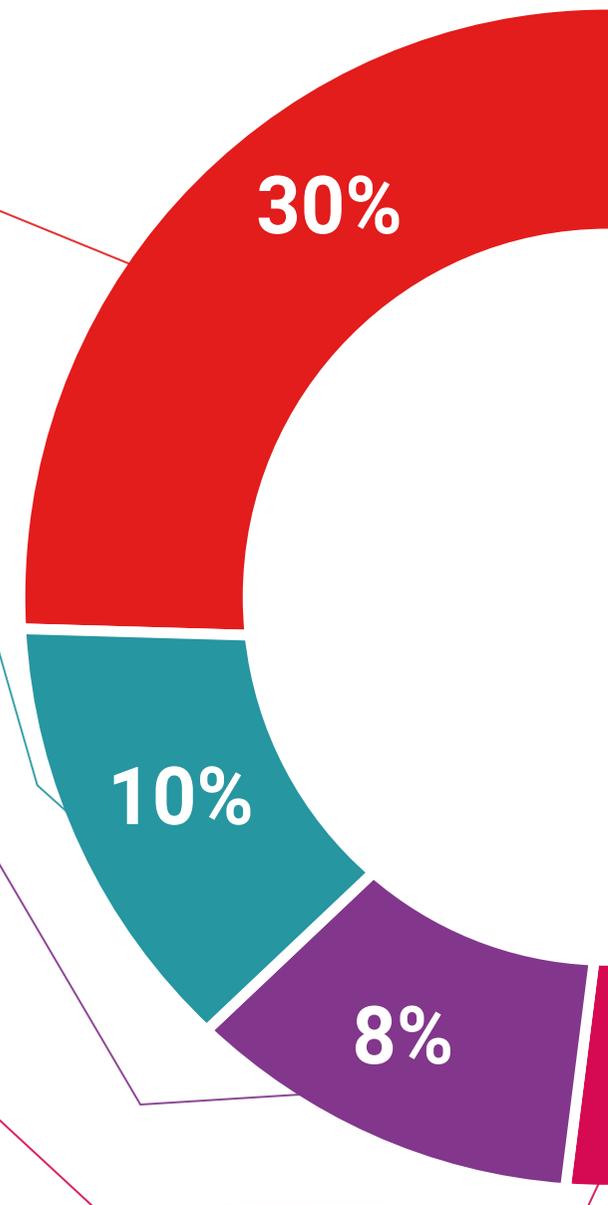
### Practising Skills and Abilities

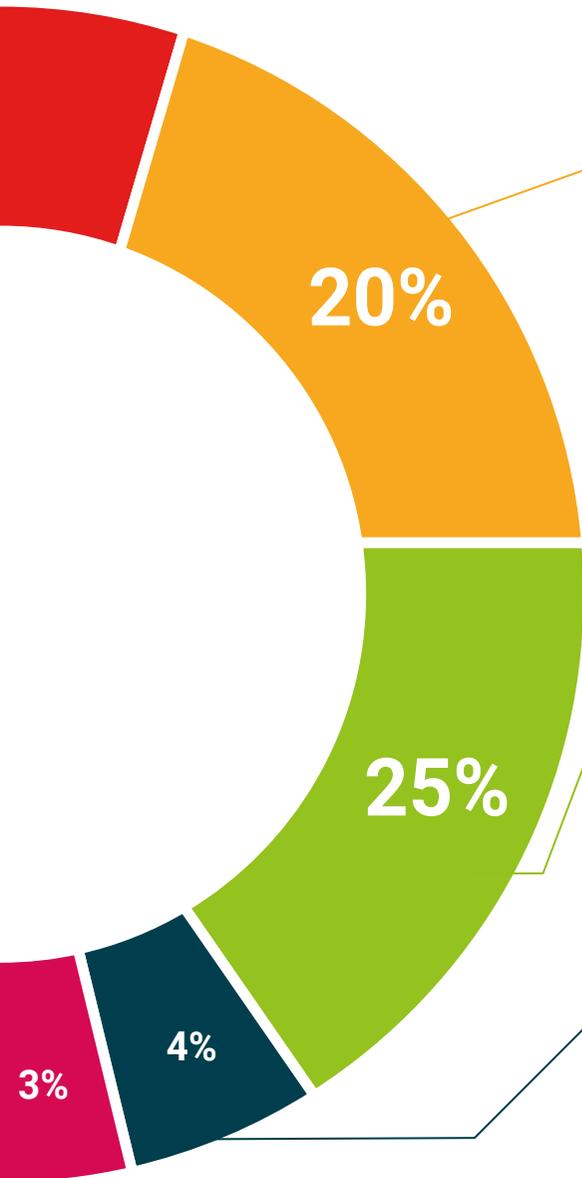
They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



### 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 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.



05

# Certificate

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



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

This program will allow you to obtain your **Postgraduate Certificate in Statistical System and Economic Indicators** 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** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Statistical System and Economic Indicators**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



\*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.

future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development language  
virtual classroom



## Postgraduate Certificate Statistical System and Economic Indicators

- › Modality: online
- › Duration: 6 weeks
- › Certificate: TECH Global University
- › Credits: 6 ECTS
- › Schedule: at your own pace
- › Exams: online

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