

# Postgraduate Certificate Logistics Function, Key to Compete in the Industrial Environment





## Postgraduate Certificate

### Logistics Function, Key to Compete in the Industrial Environment

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online
- » Aimed at: engineers and graduates with experience who want to improve and update themselves in all the necessary aspects to be taken into account for an adequate management Competitive Games of an Industrial company.

Website: [www.techtitute.com/us/school-of-business/postgraduate-certificate/logistics-function-key-competite-industrial-environment](http://www.techtitute.com/us/school-of-business/postgraduate-certificate/logistics-function-key-competite-industrial-environment)

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# 01 Welcome

In a highly technological and globalized industrial environment, process improvement is the only way for companies to become competitive organizations. In this sense, one of the areas where process improvement achieves great results is in the logistics function. Therefore, this TECH educational program focuses on providing professionals with knowledge, skills and transversal tools that enable them to manage the logistics function in a complete and efficient manner. In this way, you will be able to help your organization to position itself as a leader in the sector and revalue your professional profile.



Postgraduate Certificate in Logistics Function, Key to Compete in the Industrial Environment. TECH Technological University



“

*The logistics function is a differentiating element for companies. Learn how to manage it with this complete course that TECH offers you"*

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:



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



### 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"*

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

This program is designed with the objective of strengthening the student's capabilities in everything related to operations management logistics for industrial companies, in addition to developing new skills that will be essential in their professional development. Thus, after completing the program, the professional will be able to make global decisions with an innovative perspective and an international vision, always taking into account the importance of working efficiently by aligning all resources to achieve the objectives set by the company.



“

*Thanks to this educational program, you will improve your professional skills and become an invaluable asset for companies"*

The students' objectives are TECH's too.  
Working together to achieve them.

The Postgraduate Certificate in Logistics Function, Key to Compete in the Industrial Environment enables students to:

01

In-depth breakdown of the challenges of the logistics function, its key activities and associated costs, and deriving value from the logistics function and deep dive into the different types of supply chains

04

Master warehouse management and its automation

02

Develop different strategies to optimize the logistics function



03

Apply the principles of *Lean* philosophy to supply chain management and the application of a *Lean* system to the logistics function

05

Manage procurement and supplier relations, as well as the development of effective procurement management



06

Apply new tools and information systems to the control of the logistics function

08

Research about new trends and strategies in the logistics function and their implementation in the company

09

Analyze the differentiating factors of successful supply chains and the differentiating elements of the value chain.

07

Know in detail the importance of managing reverse logistics as well as the operations framed within and the costs associated with it

10

Delve into pandemic logistics, the different scenarios and analyze the critical points of the supply chain in the current scenario, as well as the types of supply chains for the distribution of key elements such as vaccines.



05

# Structure and Content

The Postgraduate Certificate in Logistics Function, Key to Compete in the Industrial Environment is a program designed based on the current needs and requirements of the profession, and is taught in a 100% online format so that students can choose the time and place that best suits their availability, schedules and interests. In addition, by studying this program the student will have access to the most complete and up-to-date content compendium on the market. All this, in a syllabus that is developed over 6 weeks and that aims to be a unique and stimulating experience that lays the foundations for the student's professional success.



“

*This complete syllabus is intended to become the student's foundations when facing their daily practice"*

## Syllabus

The logistics function has become a fundamental element for the competitiveness of companies. Today more than ever, organizations compete in a global environment that requires trained professionals specialized in logistics, supply chains and operations.

Providing rationality and efficiency to logistics processes is essential in a competitive and increasingly demanding environment. Logistics and supply chain management encompasses a wide range of activities such as procurement, storage of raw materials or final products, order preparation and distribution, all with a global vision of the company.

In the current pandemic situation in which we are living, it has been demonstrated that the logistics management of a supply chain is essential to obtain the necessary products, in the necessary quantities and at the right time.

All this is what will be emphasized in this Postgraduate Certificate, which also stands out for being taught in 100% online mode, which gives students the opportunity to study wherever and whenever they want, being only necessary an electronic device with internet access.

To achieve this, companies must use the best tools to reach a competitive and efficient management level in order to be able to adapt at all times to the needs of the market. This Postgraduate Certificate teaches the necessary tools and knowledge to achieve this adaptation and to be able to compete in the best conditions.

This Postgraduate Certificate is developed over 6 week and is divided into 1 module:

### Module 1

### The Logistics Function, Key to Compete



### Where, when and how is it taught?

TECH offers you the possibility of taking this program completely online. During the 6 months of program, the student will be able to access all the contents of this program at any time, which will allow them to self-manage study time.

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

**Module 1. The Logistics Function, Key to Compete**

**1.1. Logistical Function and the Supply Chain**

- 1.1.1. Logistics Is the Key to a Company's Success
- 1.1.2. Logistics Challenges
- 1.1.3. Key Logistics Activities. How to Derive Value from the Logistics Function?
- 1.1.4. Types of Supply Chains
- 1.1.5. Supply Chain Management
- 1.1.6. Logistics Costs

**1.2. Logistics Optimization Strategies**

- 1.2.1. *Cross-Docking* Strategy
- 1.2.2. Application of Agile Methodology to Logistics Management
- 1.2.3. *Outsourcing* of Logistic Processes
- 1.2.4. *Picking* or Efficient Order Picking

**1.3. Lean Logistics**

- 1.3.1. *Lean Logistics* in Supply Chain Management
- 1.3.2. Analysis of Waste in the Logistics Chain
- 1.3.3. Application of a Lean System in Supply Chain Management

**1.4. Warehouse Management and Automation**

- 1.4.1. The Role of Warehouses
- 1.4.2. The Management of a Warehouse
- 1.4.3. Stocks Management
- 1.4.4. Types of Warehouses
- 1.4.5. Load Units
- 1.4.6. Organization of a Warehouse
- 1.4.7. Storage and Handling Elements

**1.5. Procurement Management**

- 1.5.1. The Role of Distribution as an Essential Part of Logistics. Internal Logistics vs. External Logistics
- 1.5.2. The Traditional Relationship with Suppliers
- 1.5.3. The New Supplier Relationship Paradigm
- 1.5.4. How to Classify and Select our Suppliers?
- 1.5.5. How to Develop an Effective Procurement Management?

**1.6. Logistics Information and Control Systems**

- 1.6.1. Requirements of a Logistical Information and Control System
- 1.6.2. 2 Types of Logistic Information and Control Systems
- 1.6.3. Application of *Big Data* in Logistical Management
- 1.6.4. The Importance of Data in Logistics Management
- 1.6.5. The Balanced Scorecard Applied to Logistics. Main Management and Control Indicators

**1.7. Reverse Logistics**

- 1.7.1. Keys to Reverse Logistics
- 1.7.2. Reverse Logistics Flows vs. Direct
- 1.7.3. Operations within the Framework of Reverse Logistics
- 1.7.4. How to Implement a Reverse Distribution Channel?
- 1.7.5. Final Alternatives for Products in the Reverse Channel
- 1.7.6. Costs of Reverse Logistics

**1.8. New Logistics Strategies**

- 1.8.1. Artificial Intelligence and Robotization
- 1.8.2. Green Logistics and Sustainability
- 1.8.3. Internet of Things Applied to Logistics
- 1.8.4. The Digitized Warehouse
- 1.8.5. *e-Business* and New Distribution Models
- 1.8.6. The Importance of Last Mile Logistics

**1.9. Benchmarking of Supply Chains**

- 1.9.1. Common Features of Successful Value Chains
- 1.9.2. Analysis of the Inditex Group's Value Chain
- 1.9.3. Analysis of Amazon's Value Chain

**1.10. The Logistics of the Pandemic**

- 1.10.1. General Scenario
- 1.10.2. Critical Supply Chain Issues in a Pandemic Scenario
- 1.10.3. Implications of Cold Chain Requirements on the Establishment of the Vaccine Supply Chain
- 1.10.4. Types of Supply Chains for the Distribution of Vaccines



# 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 is aimed at engineers and graduates with experience who want to delve deeper and update in all the necessary aspects to be taken into account for the proper management correct of processes in an industrial company.

Students with these qualifications must have a sufficient knowledge base to complete the modules of the curriculum of this Postgraduate Certificate.

The Postgraduate Certificate is also open to professionals who, being university graduates in any area, have two years of work experience in the field of *Industrial Management*.







“

*Welcome to the program that will lay the foundation for your professional growth"*

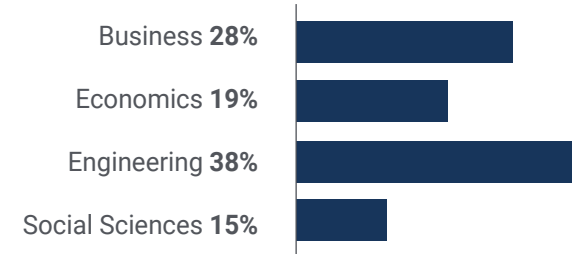
### Average Age

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

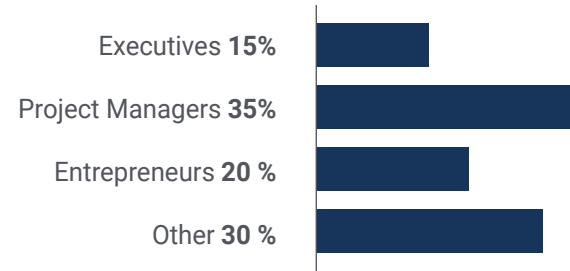
### Years of Experience



### Training

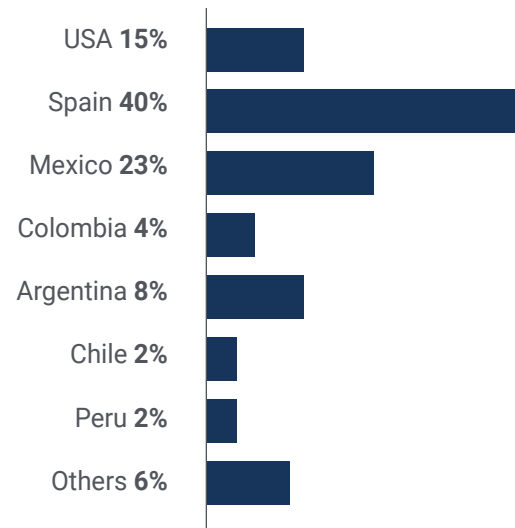


### Academic Profile



## Geographical Distribution

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## Adriana Sánchez

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*Project manager*

*As a professional in the logistics area, I am fully aware that more and more processes are being digitized and that updating is the only way for us experts to perform our work more efficiently. This led me to study this Postgraduate Certificate and I could not be happier with the results obtained. Thanks TECH"*

08

# Course Management

The program includes in its teaching staff reference experts in everything related to the management of the logistics function for industrial companies, who pour into this educational up-to-date program the experience of their years of work. In addition, other experts of recognized prestige in related areas participate in its design and elaboration, completing the Postgraduate Certificate in an interdisciplinary way, making it, therefore, a unique and highly nourishing experience at an academic level for the student.





“

*Become a benchmark in the industry by studying with the best"*

## Management



### Dr. Asensi, Francisco Andrés

- ◆ PhD in Industrial Engineering in Business Organization from the University of Castilla la Mancha (UCLM).
- ◆ Degree Industrial in Industrial Organization Engineer from the University Polytechnic of Valencia
- ◆ He has worked in several areas, such as Engineering, Quality, Production, Logistics, Information Systems and Human Resources, in companies of several industrial sectors.
- ◆ He has implemented and developed a multitude of management systems for excellence (Quality, Scorecard, *Lean Manufacturing*, Continuous Improvement and Process Improvement) in several industrial companies.
- ◆ Coach of *Strategic Coaching*
- ◆ Author of various business books: "The Adaptive Enterprise", "*Lean Manufacturing: Key Indicators used to efficiently manage Continuous Improvement*", "*Lean Manufacturing: Keys to Material Flow Improvement*."
- ◆ Author of several books on Personal and Professional Development: "Total Leader", "self-coaching".

## Professors

### Ms. Mollá Latorre, Korinna

- ◆ Responsible for international projects at AITEX, Textile Technological Institute, where she has acquired extensive experience in the management of large projects and teams related to textile materials and technologies, as well as operations, logistics and supply chain management in the textile industry.
- ◆ Industrial Engineer, specialized in Industrial Organization by the Polytechnic University of Valencia.
- ◆ Certified by the *American Production and Inventory Control Society*(USA) in Production and Inventory Management and in Integrated Resource Management.
- ◆ Director of Operations and Logistics for Colortex, S.A. from 1993 to 2008, implementing a *Lean Manufacturing* system in the company's operations.
- ◆ Project technician for ALJU, Technological Institute of Toys (1992-1993).



09

# Impact on Your Career

TECH is aware that taking a program of these characteristics is a great economic, professional and of course, personal investment. The ultimate goal of this great effort should be to achieve professional growth.

And for this, we offer you a unique opportunity with this Postgraduate Certificate, thanks to which you will be able to increase your skills and therefore, improve your daily practice and your chances of career advancement.







“

*Our challenge is to generate a positive change in your professional career. We are fully committed to helping you achieve it.”*

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

TECH's Postgraduate Certificate in Logistics Function, Key to Compete in the Industrial Environment is an intensive program that will prepare you to meet business challenges and decisions in the field of *Industrial Management*. Its main objective is to promote your personal and professional growth, to and help you achieve success.

If you want to improve yourself, make a positive change professionally and network with the best, this is the place for you.

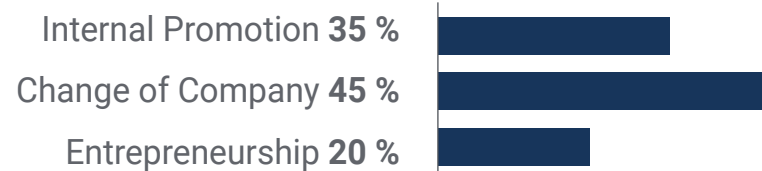
*Achieve a positive change in your career, thanks to the opportunity that TECH offers you with this program.*

*Don't miss the opportunity to specialize with us. You will find the most relevant information on this subject that will allow you to give a boost to your profession.*

### When the change occurs



### Type of change



### Salary increase

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This program represents a salary increase of more than **25%** for our students



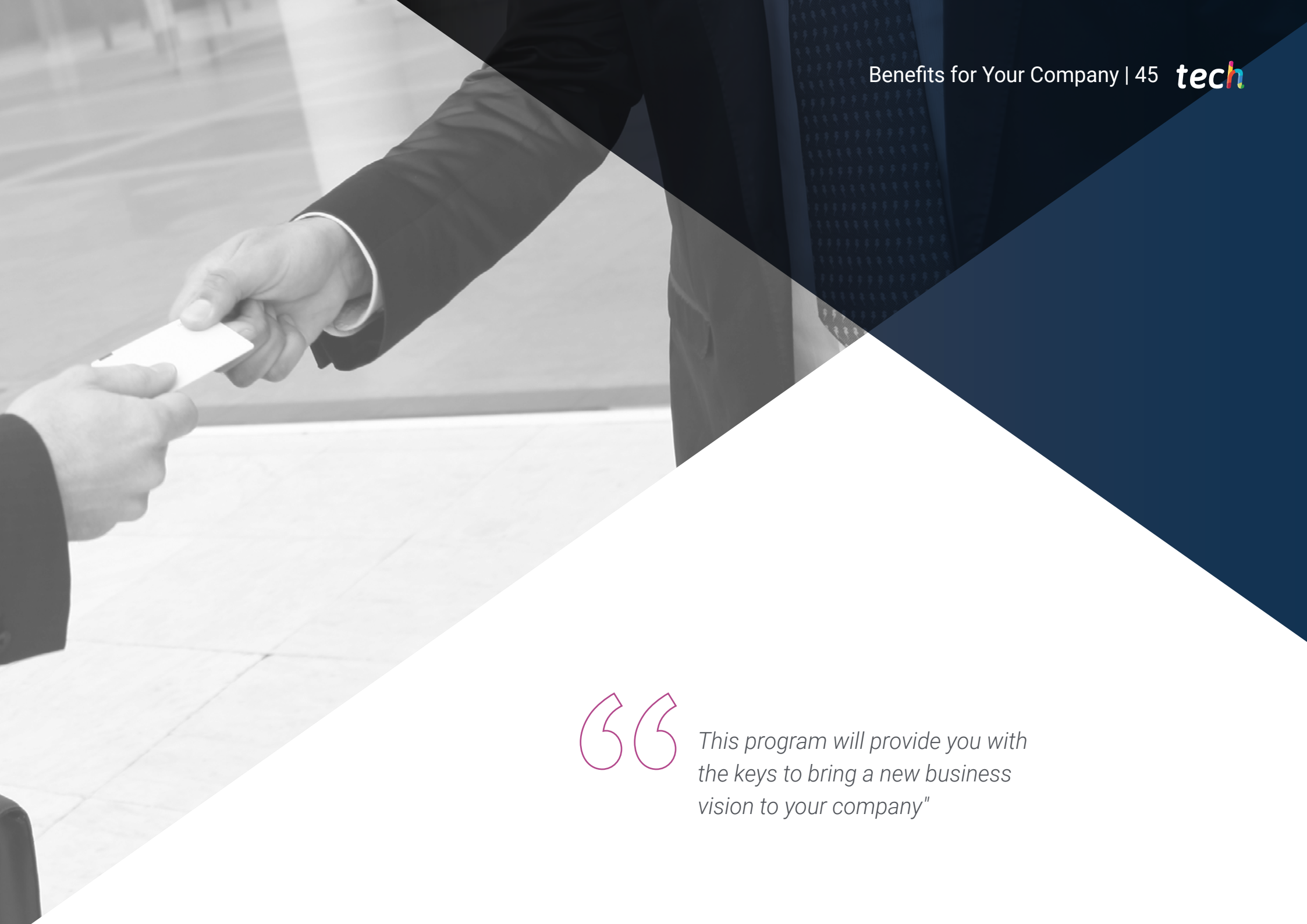
10

# Benefits for Your Company

The Postgraduate Certificate in Logistics Function, Key to Compete in the Industrial Environment contributes to elevate the organization's talent to its maximum potential by specializing high-level leaders.

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





“

*This program will provide you with the keys to bring a new business vision to your company"*

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 creative changes in the organization

---

02

### **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.

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 company will come into contact with the main markets in the world economy.



05

### **Project Development**

Be able to work on a real project or develop new projects in the R+D or Business Development area of your company

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06

### **Increased competitiveness**

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

# 11 Certificate

The Postgraduate Certificate in Logistics Function, Key to Compete in Industrial Environments 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 Logistics Function, Key to Compete in the Industrial Environment** 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 diploma 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 Logistics Function, Key to Compete in the Industrial Environment**

Official N° of Hours: **150 h.**



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



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