

# Postgraduate Diploma Logistics and Warehousing





## Postgraduate Diploma Logistics and Warehousing

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

Website: [www.techtute.com/us/engineering/postgraduate-diploma/postgraduate-diploma-logistics-warehousing](http://www.techtute.com/us/engineering/postgraduate-diploma/postgraduate-diploma-logistics-warehousing)

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# 01

# Introduction

In the era of the digital revolution and Industry 4.0, the technological market offers very powerful innovations adaptable to the needs of each company, in terms of its logistics and supply chain to optimize processes, and thus maintain high levels of performance and competitiveness. Maintaining an organized management directly affects the relationship with the environment, suppliers and customer satisfaction. Knowing all these innovative tools requires the capacity building and actualization of today's professional for a promising future. This program is composed of a study methodology 100% online and based on *relearning*, which provides efficient and fast results, according to the demand of today's work environment.







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*This program will allow you to implement innovation strategies in logistics and production processes in organizations. Enroll now and become an expert in 6 months"*

Nowadays it is unthinkable for productive companies to maintain old or traditional manual processes. Progressively, it has become indispensable for organizations to adapt to the technological innovations available in the market, in order to bring logistics management to its maximum performance.

The digitization and automation of logistics and supply chain processes of a company is vital for it to remain at highly competitive levels. As well as knowing how to select appropriate technological tools for the logistical and economic control of operations; in addition to identifying models and strategies of production systems, to apply innovatively and creatively acquired knowledge of mechanics, materials and manufacturing.

Therefore, understanding the strategic value of logistics as a factor of competitive advantage of companies in an increasingly global and digital world, to propose strategies for improving production management in specific contexts is part of the functions of the professional expert in logistics and warehousing. Who will know how to identify the necessary changes to be made for the improvement in the management and direction of the company.

All this, based on the orientation of the strategy to the digital environment, which will even lead him to implement e-commerce strategies for the impulse towards new economic sectors. To develop in this way, the professional will be prepared for 6 months or 450 hours through the most innovative teaching methodology based on relearning, with a variety of multimedia resources and a variety of formats arranged in a modern virtual campus, accessible from the first day to facilitate and streamline the learning process.

This **Postgraduate Diploma in Logistics and Warehousing** contains the most complete and up-to-date program on the market. The most important features include:

- ◆ Practical cases presented by experts in Industrial Engineering
- ◆ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ◆ Practical exercises where self-assessment can be used to improve learning
- ◆ Its special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



*Promote digitalization as part of the continuous improvement of production and logistic processes of the business management”*

“

*You will learn to identify the necessary changes to improve the management and direction of the company, based on the orientation of the strategy to the digital environment. Enroll now and stand out"*

*Study comfortably and at your own pace, with exclusive content for your 100% online professionalization.*

*Design the right supply chain for the needs of a given business.*

The program's teaching staff includes professionals from the sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersion education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.



# 02

# Objectives

This Postgraduate Diploma in Logistics and Warehousing aims to provide students with the necessary knowledge to manage and design innovative plans in the company's supply chain to achieve high production standards. To be able to propose strategies based on digitization, suitable for industry 4.0 in specific contexts. Combining multiple teaching resources with the most advanced technology and study methodology, with the most exclusive content in today's online university environment.







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*Being a professional expert in logistics and warehousing will open the door to countless job opportunities”*



## General Objectives

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- ◆ Understand the elements which make the system of management, company culture and organizational power
- ◆ Innovatively and creatively develop production system strategies based on acquired knowledge of mechanics, materials and manufacturing
- ◆ Analyze the importance of production planning as a key tool for the company's profitability
- ◆ Identify appropriate strategies to plan logistics and distribution management according to the demanded needs
- ◆ Consider digitalization as part of the processes of change in the industry
- ◆ Gain in-depth knowledge of warehouse operations, transportation, distribution and customer service
- ◆ Understand industrial logistics and warehouse management issues in order to correctly design the handling systems required in a given industry
- ◆ Deepen understanding of the current regulations in order to develop a correct prevention management system in the organization
- ◆ Gain in-depth knowledge of the importance of the correct management of people for the efficient development of processes within a company





## Specific Objectives

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### Module 1. Systems of Production, Procurement and Warehouses

- ◆ Identify the fundamental aspects of production systems models and strategies
- ◆ Innovatively and creatively apply the acquired knowledge of mechanics, materials and manufacturing
- ◆ Identify the phases and operations of the manufacturing processes
- ◆ Consider calculations and measures for the implementation of products and installations
- ◆ Evaluate the industrial infrastructure (facilities and equipment) to ensure optimal conditions of use
- ◆ Understand the design of product and facility implementation projects
- ◆ Use multidisciplinary and international teams
- ◆ Identify and design maintenance types and plans

### Module 2. Logistics and Distribution Management

- ◆ Identify the fundamental aspects and principles for logistics functions in the company
- ◆ Explain the strategic value of logistics as a factor of competitive advantage for companies in an increasingly global and digital world
- ◆ Design the right supply chain for the needs of a given business
- ◆ Identify appropriate strategies for demand and transportation planning and management
- ◆ Propose actions to encourage proper storage and handling management
- ◆ Propose strategies to improve production management in specific contexts
- ◆ Identify tactics to enhance purchasing and procurement management

### Module 3. Innovation, e-Logistics, and Technology in the Supply Chain

- ◆ Identify the changes required to improve management and direction within the company, based on orienting the strategy to the digital environment
- ◆ Understand the competitive environment in which our business operates
- ◆ Implement digitization strategies for a business, making the right decisions to achieve the planned branding objectives
- ◆ Lead processes of change in the company based on digitalization
- ◆ Carry out e-commerce strategies



*With this program you will be able to implement efficient strategies for the management of a company's supply chain based on new technologies. Enroll now"*



# 03

## Structure and Content

This Postgraduate Diploma has been structured in 3 modules, with content aimed at professionals in the industrial sector who wish to specialize in logistics and warehousing, taking into consideration production and procurement systems, as well as operations, distribution and especially the new technologies implemented in the supply chain, which will help you achieve success in current and future competitive environments. The variety of multimedia resources and content in different formats will allow you to acquire specialized knowledge in a completely online, dynamic and efficient way.







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*Boost your career with exclusive dedicated knowledge of new technologies in industrial processes. TECH makes it possible”*

## Module 1. Systems of Production, Procurement and Warehouses

- 1.1. Structure and Types of Production
  - 1.1.1. Production Systems and Strategies
  - 1.1.2. Inventory Management System
  - 1.1.3. Production Indicators
- 1.2. Sales Structure, Types and Channels
  - 1.2.1. Sales Structure: Organization, Channels and Sector
  - 1.2.2. Sales Structure: Offices and Sales Groups
  - 1.2.3. Determining a Sales Structure
- 1.3. Structure and Types of Procurement
  - 1.3.1. Function of Procurement
  - 1.3.2. Procurement Management
  - 1.3.3. The Buying Decision Process
- 1.4. Design of Production Plants
  - 1.4.1. Industrial Architecture and Plant Layout
  - 1.4.2. Basic Types of Plant Layout
  - 1.4.3. Characteristics for an Appropriate Plant Distribution
- 1.5. Warehouse Design
  - 1.5.1. Advanced Warehouse Design
  - 1.5.2. Collect and Classify
  - 1.5.3. Material Flow Control
- 1.6. Process Design
  - 1.6.1. Definition of Process Design
  - 1.6.2. Principles of Process Design
  - 1.6.3. Process Modeling
- 1.7. Resource Allocation
  - 1.7.1. Introduction to Resource Allocation
  - 1.7.2. Project Management
  - 1.7.3. Resource Distribution

- 1.8. Industrial Operations Control
  - 1.8.1. Process Control and its Characteristics
  - 1.8.2. Examples of Industrial Processes
  - 1.8.3. Industrial Controls
- 1.9. Warehouse Operations Control
  - 1.9.1. Warehouse Operations
  - 1.9.2. Inventory Control and Location Systems
  - 1.9.3. Storage Management Techniques
- 1.10. Maintenance Operations
  - 1.10.1. Industrial Maintenance and Typology
  - 1.10.2. Maintenance Planning
  - 1.10.3. Management of Computer-Assisted Maintenance

## Module 2. Logistics and Distribution Management

- 2.1. Introduction to Logistics Systems
  - 2.1.1. Introduction to Logistics Systems
  - 2.1.2. Design of Logistics Systems
  - 2.1.3. Logistics Information Systems
- 2.2. Typologies of the Supply Chain (SCM)
  - 2.2.1. Supply Chain
  - 2.2.2. Benefits of Supply Chain Management
  - 2.2.3. Logistical Management in the Supply Chain
- 2.3. Internal Logistics
  - 2.3.1. Calculation of Requirements
  - 2.3.2. Typology of Warehouses in a JIT System
  - 2.3.3. DOUKI SEISAN Manufacturing Supplies
  - 2.3.4. Tight Material Handling
- 2.4. Distribution and Transport
  - 2.4.1. Functions of Distribution and Transport
  - 2.4.2. Types of Distribution Networks
  - 2.4.3. Design of Distribution Networks





- 2.5. Logistical Operations Control
  - 2.5.1. Logistical System
  - 2.5.2. Benefits of Logistical Operations Control
  - 2.5.3. Logistics Operations Dashboard
- 2.6. Interactions Between the Supply Chain and All Other Departments
  - 2.6.1. Areas to Consider in the Interaction
  - 2.6.2. Interrelations in the Supply Chain (SCM)
  - 2.6.3. Integration Problems in the Supply Chain (SCM)
- 2.7. Logistics Costs
  - 2.7.1. Costs to Consider According to Each Area
  - 2.7.2. Problems with Logistics Costs
  - 2.7.3. Optimizing Logistic Costs
- 2.8. Information Systems
  - 2.8.1. Map of Base Systems
  - 2.8.2. Typology of Information Systems
  - 2.8.3. Information Systems in the Supply Chain

**Module 3. Innovation, e-Logistics, and Technology in the Supply Chain**

- 3.1. Process Engineering and Product Engineering
  - 3.1.1. Innovation Strategies
  - 3.1.2. Open Innovation
  - 3.1.3. Innovative Organization and Culture
  - 3.1.4. Multifunctional Teams
- 3.2. Launch and Industrialization of New Products
  - 3.2.1. Design of New Products
  - 3.2.2. Lean Design
  - 3.2.3. Industrialization of New Products
  - 3.2.4. Manufacture and Assembly
- 3.3. Digital e-Commerce Management
  - 3.3.1. New e-Commerce Business Models
  - 3.3.2. Planning and Developing an e-Commerce Strategic Plan
  - 3.3.3. Technological Structure in e-Commerce

- 3.4. e-Commerce Operations and Logistics
  - 3.4.1. Digital Point-of-Sale Management
  - 3.4.2. Contact Center Management
  - 3.4.3. Automation in Management and Monitoring Processes
- 3.5. e-Logistics. B2C and B2B
  - 3.5.1. e-Logistics
  - 3.5.2. B2C: B2C: E-Fulfillment, the Last Mile
  - 3.5.3. B2B: e-Procurement. Marketplaces
- 3.6. Digital Pricing
  - 3.6.1. Online Payment Methods and Payment Gateways
  - 3.6.2. Electronic Promotions
  - 3.6.3. Digital Price Timing
  - 3.6.4. e-Auctions
- 3.7. Legal Aspects of e-Commerce
  - 3.7.1. EU and Spanish Regulations
  - 3.7.2. Data Protection
  - 3.7.3. Fiscal Aspects of e-Commerce
  - 3.7.4. General Sales Conditions
- 3.8. The Warehouse in e-Commerce
  - 3.8.1. Peculiarities of the Warehouse in e-Commerce
  - 3.8.2. Warehouse Design and Planning
  - 3.8.3. Infrastructure. Fixed and Mobile Devices
  - 3.8.4. Zoning and Locations
- 3.9. Designing an Online Store
  - 3.9.1. Design and Usability
  - 3.9.2. Most Common Functionalities
  - 3.9.3. Alternative Technologies
- 3.10. Supply Chain Management and Future Trends
  - 3.10.1. The Future of e-Business
  - 3.10.2. The Current and Future Reality of E-Commerce
  - 3.10.3. SC Operating Models for Global Companies





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*Enroll now and become an expert in  
Logistics and Warehousing, in only  
6 months and completely online"*

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.





*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 Diploma in Logistics and Warehousing guarantees, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma 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 Diploma in Logistics and Warehousing** 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 Diploma in Logistics and Warehousing**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**



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 Diploma Logistics and Warehousing

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

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