

Professional Master's Degree Stock and Warehouse Management





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Course Modality: **Online**

Duration: **12 months**

Certificate: **TECH Technological University**

Official N° of hours: **1,500 h.**

Website: www.techtute.com/engineering/professional-master-degree/master-stock-warehouse-management

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01

Introduction

When we talk about business, we must talk about profitability and, in any company that markets any product, there are fundamental processes that must be managed properly to fulfill the initial purpose: to be productive and profitable. Among them, Stock and Warehouse Management plays a vital role in business management as it has to do with the control of raw materials and finished products in general. To master this series of processes, an exclusive program has been created, designed under an avant-garde teaching methodology which takes place completely online. In this way, the professional can gain all the necessary knowledge in a maximum of 12 months, in total harmony with their current commitments.





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Get training in Stock and Warehouse Management and open a wide range of possibilities for your professional development. Enroll now and gain a qualification in 12 months”

Within the management of a company there are daily challenges to face, which is why it is essential to have a trained team that is in charge of understanding and controlling the operations in each of the areas of expertise. The management of people, economic, material and infrastructure resources, as well as the operation itself, is part of a large system that must work in an orchestrated manner for the correct functioning and profitability of the business.

In this case, to talk about stock control is to talk about one of the most decisive factors for any retail or distribution company. This is because other transversal processes directly depend on it for the company's utility and profit. Monitoring its maintenance, knowing the general regulations and legality around it, mastering the appropriate systems and managing it efficiently in itself, will allow the correct operational workflows to be maintained without running unnecessary risks.

To achieve this, it is essential to study and train in the area, which is why this Professional Master's Degree in Stock and Warehouse Management has been designed with the purpose of providing the professional or business person with everything necessary to master the subject and perform efficiently within any production or distribution company; increasing their financial ratios.

Students will know everything about the company's organization and its elements: human resources management, marketing and finance elements, structure and types of procurement and warehouses, production planning and control, logistics and distribution management, process and product engineering, industry 4.0, operations systems, warehouse management and occupational and industrial safety.

There will be 10 modules of study, in which students will completely understand all the topics of interest within the administration and efficient management of inventory and its storage in the company. This is done in a simple and agile way thanks to the *Relearning* methodology implemented by TECH, which has revolutionized the world of university education. All the content is available from day one, through the most secure and intelligible virtual campus, allowing students to achieve their degree in 12 months with the quality and flexibility needed today.

This **Professional Master's Degree in Stock and Warehouse Management** contains the most complete and up-to-date educational program on the market. Its most notable features are:

- ◆ Practical cases presented by experts in Industrial Engineering
- ◆ The graphic, schematic, and eminently 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
- ◆ 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



More than just controlling what goes in and out of the company, you will learn to manage all the resources on which the success of the business depends, with a cutting-edge vision"

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Become skilled in the operational management within the company, controlling internal and external risks that prevail and intervene in the correct supply and productivity”

This degree will provide you with the most up-to-date knowledge in Stock and Warehouse Management in an Industry 4.0 environment.

TECH allows you to advance and develop new skills that will make you progress in your work environment, with a comfortable and efficient study methodology.

The program's teaching staff includes professionals from the sector who contribute their work experience to this training 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 training programmed to train 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 main idea of this refresher program is that the student understands the fundamental aspects and principles of logistics functions for the correct storage, conservation and safeguarding of products and raw materials within the company. Generating a new criterion and global vision, based on the study of new digital and functional tools, with proven results. Thus, the professional will develop a series of skills that will allow them to perform efficiently in demanding and modern organizational environments, thanks to the knowledge provided in this Professional Master's Degree.





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The industrial field requires individuals with cutting-edge skills who have the ability to take risks because thanks to completing the required training. Get your degree now and boost your talent”



General Objectives

- ◆ 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

Module 1. Introduction to the organization of companies.

- ◆ Identify the main characteristics of international legal frameworks which regulate the business sector
- ◆ Identify the fundamental principles of management in functional areas of a company: Production, investment, finance and commerce
- ◆ Explain the aspects that, from a sustainability perspective, can affect the management of the company
- ◆ Identify the concepts of business and organization and their theoretical evolution
- ◆ Propose actions to favor appropriate business management, considering competitiveness and strategic direction
- ◆ Explain the relationship between the company and the market in proposed situations
- ◆ Identify the fundamental aspects of corporate governance and social responsibility
- ◆ Identify the main characteristics of the management system, corporate culture and organizational power

Module 2. 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 3. Production Planning and Control

- ◆ Gain in-depth knowledge of the work dynamics of the production units and the interaction between their functions
- ◆ Address the importance of production planning as a key tool for the company's profitability
- ◆ Gain in-depth knowledge of the fundamentals of Lean thinking and its main differences with respect to traditional manufacturing processes
- ◆ Analyze and implement the different production planning systems.
- ◆ Establish maintenance plans appropriate to each industrial organization

Module 4. Logistics and Distribution Management

- ◆ Identify the fundamental aspects and principles of logistics functions in a company
- ◆ Explain the strategic value of logistics as a 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 promote the proper management of storage and handling
- ◆ Propose strategies to improve production management in specific contexts
- ◆ Identify tactics to enhance purchasing and procurement management

Module 5. Innovation, e-Logistics, and Technology in the Supply Chain

- ◆ Identify the changes required to improve management and administration 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

Module 6. 4.0 Industry

- ◆ Analyze the origins of the so-called Fourth Industrial Revolution and the Industry 4.0 concept
- ◆ Perform an in-depth study of the key principles of Industry 4.0, the technologies on which they are based and the potential of all of them in their application to the different productive sectors
- ◆ Identify the fundamental aspects of digital transformation of businesses
- ◆ Understand the current virtual era we live in and its leadership capacity, on which will depend the success and survival of the digital transformation processes in which any type of industry is involved
- ◆ Select appropriate technological tools for the proposed situations

Module 7. Operations: Planning, Manufacturing and Warehousing

- ◆ Implement techniques to develop the interaction between the store and logistics
- ◆ Manage the product catalog, purchasing and procurement requirements
- ◆ Control and organize the warehouse operations, transportation, distribution and customer service
- ◆ Implement tools for logistic and economic control of business procedures

Module 8. Warehouse Management

- ◆ Introduce the student to industrial logistics and the problems of warehouse management
- ◆ Provide the student with practical training in stock and economic lot calculation techniques
- ◆ Describe the handling and storage systems that are mainly used in our environment
- ◆ Acquire the ability to correctly design a warehouse and determine the handling systems required in a given industry

Module 9. Occupational and Industrial Safety

- ◆ Comply with current regulations and have the minimum documentation required to develop a correct prevention management system
- ◆ Analyze the operational management of occupational risk prevention in order to be able to carry out effective risk prevention management
- ◆ Elaborate an adequate hazard identification and risk assessment in occupational health and safety
- ◆ Focus the occupational risk prevention management system on the main objective of minimizing occupational accidents and, in addition, prioritizing continuous improvement

Module 10. Management of Human Resources

- ◆ Identify the main characteristics of people management models
- ◆ Explain the strategic value of people in your organization
- ◆ Apply tools to support successful human resources management processes
- ◆ Identify the main legal and regulatory aspects related to human resources management
- ◆ Analyze and plan staffing needs in different aspects of the labor reality
- ◆ Apply selection, hiring, retention, training and dismissal processes to team members in the specific cases proposed
- ◆ Design strategies for retaining talent in a real organization
- ◆ Apply the basic concepts of occupational risk prevention and corporate social responsibility in proposed cases

03 Skills

The graduate of this academic program will understand stock control policies, regulations, storage systems and planning with the global production environment to work towards a more sustainable and automated environment. They will also be able to correctly design a warehouse and determine the handling systems needed in a given industry. Students will be trained with a view of the new demands arising in Industry 4.0 and in the digital era for companies of tomorrow. Within this context, production processes are influenced by a new organizational management culture within the warehouses and logistics of the company.





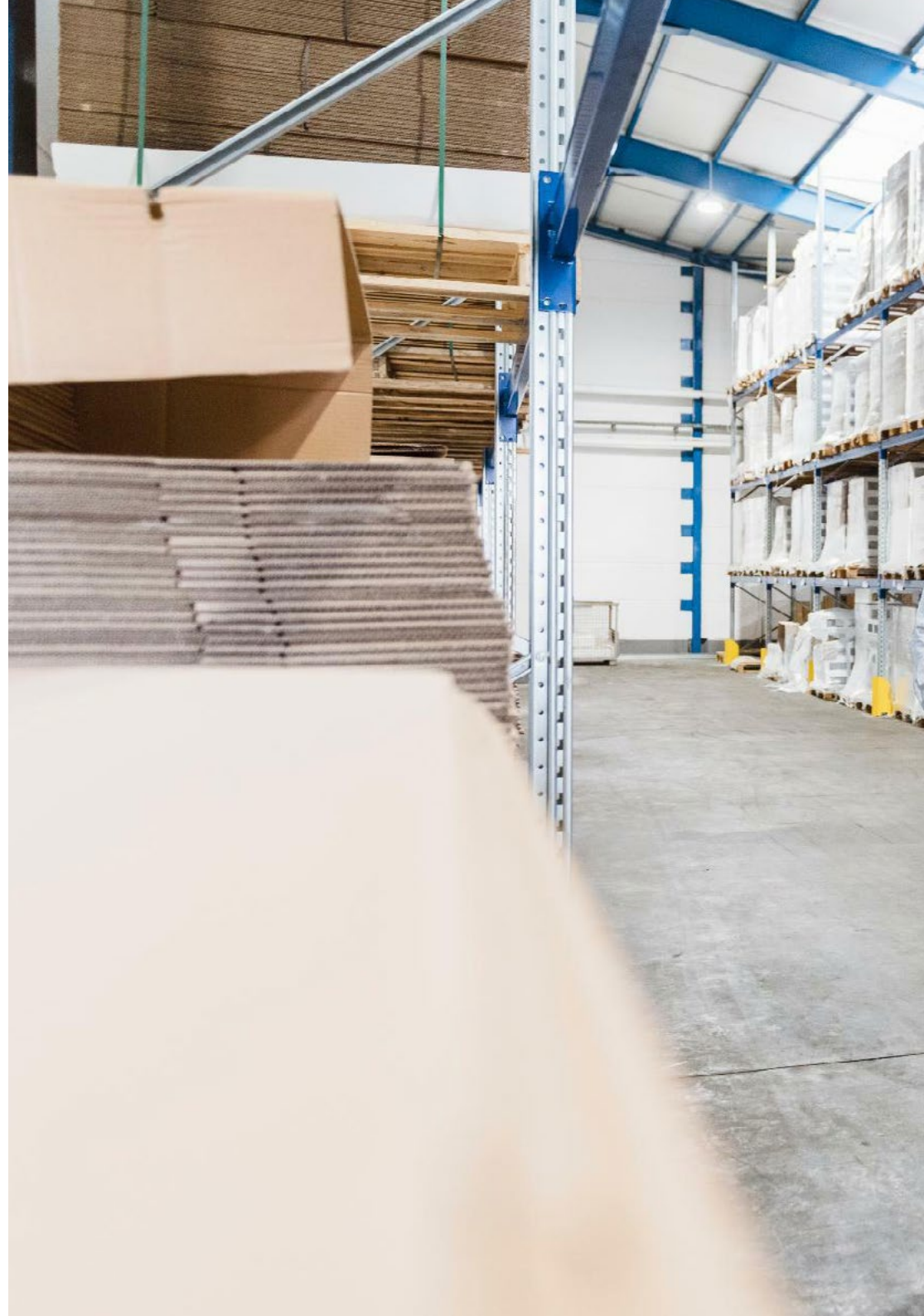
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With the skills acquired in this program, you will be able to efficiently address the daily challenges that arise in an organization and contribute to improving its profitability”



General Skills

- ◆ Develop the fundamental principles of management in functional areas of a company: Production, investment, finance and commerce
- ◆ Master the fundamental aspects and principles of logistics functions in a company
- ◆ Control the warehouse operations, transportation, distribution and customer service
- ◆ Lead innovative logistics processes in the industry based on digitalization
- ◆ Correctly design a warehouse and determine the handling systems required in a specific industry
- ◆ Understand the competitive environment in which our business operates
- ◆ Understand the interaction between productive units and logistics operations for the correct functioning of the business
- ◆ Develop acquired knowledge of maintenance types and plans
- ◆ Problem solving in novel environments and interdisciplinary contexts.
- ◆ Understand the transformation trends in today's enterprises
- ◆ Implement the main characteristics of the management system, corporate culture and organizational power





Specific Skills

- ◆ Generate actions that favor proper business management, taking into account competitiveness and strategic direction
- ◆ Perform calculations and measures for the implementation of products and installations.
- ◆ Design product and facility implementation projects
- ◆ Implement the different production planning systems
- ◆ Master the tactics that favor the management of purchasing, procurement, demand and transportation
- ◆ Promote digitalization as part of the continuous improvement of production and logistic processes of the business management
- ◆ Select appropriate technological tools for the logistic and economic control of the operations
- ◆ Efficiently design a warehouse and determine the handling systems required in a specific industry
- ◆ Comply with current regulations on occupational hazards and provide efficient operational management with plans and projects to improve occupational health and safety
- ◆ Correctly apply personnel management processes, taking into account legal aspects, needs, retention and corporate social responsibility
- ◆ Master the techniques for calculating stocks and economic lots
- ◆ Manage the product catalog, purchasing and interaction between store and logistics

04

Structure and Content

This Professional Master's Degree has been structured in 10 specialized modules, through which the student will be able to delve into the fundamental aspects of Stock and Warehouse Management, in a modern and sustainable environment. Each topic will be developed under a methodology based on *Relearning*, which facilitates the understanding and retention of concepts by the student, in a completely online way, providing the flexibility that today's professional needs. The contents will be available from day one and can be accessed from any device and in a variety of formats, making the process more dynamic.



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The contents, presented in various formats, will be available from day one for consultation or to download on any device with an internet connection"

Module 1. Introduction to the Organization of Companies

- 1.1. The Company and its Components
 - 1.1.1. The Concept of Business
 - 1.1.2. Functions and Classifications of Business Objectives
 - 1.1.3. Entrepreneurship
 - 1.1.4. Types of Companies
- 1.2. The Company as a System
 - 1.2.1. Concepts of the System
 - 1.2.2. Models
 - 1.2.3. Company Subsystems
 - 1.2.4. Subsystem of Values
- 1.3. The Company Setting
 - 1.3.1. Setting and Value
 - 1.3.2. General Environment
 - 1.3.3. Specific Environment
 - 1.3.4. Analysis Tools
- 1.4. Management Function
 - 1.4.1. Basic Concepts
 - 1.4.2. What Does it Mean to Manage a Company?
 - 1.4.3. Decision-Making
 - 1.4.4. Leadership
- 1.5. Business Planning
 - 1.5.1. Business Plan
 - 1.5.2. Elements of Planning
 - 1.5.3. Stages
 - 1.5.4. Planning Tools
- 1.6. Business Control
 - 1.6.1. Concept, Types and Terminology
 - 1.6.2. Management Control
 - 1.6.3. Quality Control
 - 1.6.4. Balanced Scorecard

- 1.7. Business Organization
 - 1.7.1. Basic Concepts
 - 1.7.2. Organizational Structure
 - 1.7.3. Cultural Dimensions
 - 1.7.4. Model Structures
- 1.8. Management of Human Resources
 - 1.8.1. Motivation
 - 1.8.2. Recruitment and Selection
 - 1.8.3. Personnel Training
 - 1.8.4. Performance Assessment
- 1.9. Elements of Marketing and Finance
 - 1.9.1. Concept and Stages
 - 1.9.2. Marketing and Markets
 - 1.9.3. Strategic Marketing
 - 1.9.4. Relationship and Synergies

Module 2. Systems of Production, Procurement and Warehouses

- 2.1. Structure and Types of Production
 - 2.1.1. Production Systems and Strategies
 - 2.1.2. Inventory Management System
 - 2.1.3. Production Indicators
- 2.2. Sales Structure, Types and Channels
 - 2.2.1. Structure of Sales: Organization, Channels and Sector
 - 2.2.2. Structure of Sales: Offices and Sales Groups
 - 2.2.3. Determining a Sales Structure
- 2.3. Structure and Types of Procurement
 - 2.3.1. Function of Procurement
 - 2.3.2. Procurement Management
 - 2.3.3. The Buying Decision Process

- 2.4. Design of Production Plants
 - 2.4.1. Industrial Architecture and Plant Layout
 - 2.4.2. Basic Types of Plant Layout
 - 2.4.3. Characteristics for an Appropriate Plant Distribution
- 2.5. Warehouse Design
 - 2.5.1. Advanced Warehouse Design
 - 2.5.2. Collect and Classify
 - 2.5.3. Material Flow Control
- 2.6. Process Design
 - 2.6.1. Definition of Process Design
 - 2.6.2. Principles of Process Design
 - 2.6.3. Process Modeling
- 2.7. Resource Allocation
 - 2.7.1. Introduction to Resource Allocation
 - 2.7.2. Project Management
 - 2.7.3. Resource Distribution
- 2.8. Industrial Operations Control
 - 2.8.1. Process Control and its Characteristics
 - 2.8.2. Examples of Industrial Processes
 - 2.8.3. Industrial Controls
- 2.9. Warehouse Operations Control
 - 2.9.1. Warehouse Operations
 - 2.9.2. Inventory Control and Location Systems
 - 2.9.3. Storage Management Techniques
- 2.10. Maintenance Operations
 - 2.10.1. Industrial Maintenance and Typology
 - 2.10.2. Maintenance Planning
 - 2.10.3. Management of Computer-Assisted Maintenance

Module 3. Production Planning and Control

- 3.1. Phases of Production Planning
 - 3.1.1. Advanced Planning
 - 3.1.2. Sales Projections, Methods
 - 3.1.3. Definition of Takt-Time
 - 3.1.4. Plan of Materials. MRP- Minimum Stock
 - 3.1.5. Personal Plan
 - 3.1.6. Equipment Needs
- 3.2. Performance Development Plan (PDP)
 - 3.2.1. Factors to Consider
 - 3.2.2. Push Planning
 - 3.2.3. Pull Planning
 - 3.2.4. Mixed Systems
- 3.3. Kanban
 - 3.3.1. Types of Kanban
 - 3.3.2. Uses of Kanban
 - 3.3.3. Autonomous Planning: 2-bin Kanban
- 3.4. Production Control
 - 3.4.1. PDP Deviations and Reporting
 - 3.4.2. Monitoring of Performance in Production: OEE
 - 3.4.3. Monitoring of Total Capacity: TEEP
- 3.5. Production Organization
 - 3.5.1. Production Equipment
 - 3.5.2. Engineering Processes
 - 3.5.3. Maintenance
 - 3.5.4. Control of Materials
- 3.6. Total Productive Maintenance (TPM)
 - 3.6.1. Corrective Maintenance
 - 3.6.2. Autonomour Maintenance
 - 3.6.3. Preventative Maintenance
 - 3.6.4. Predictive Maintenance
 - 3.6.5. Maintenance Efficiency Indicators MTBF-MTTR

- 3.7. Plant Layout
 - 3.7.1. Conditioning Factors
 - 3.7.2. Online Production
 - 3.7.3. Production in Work Cells
 - 3.7.4. Applications
 - 3.7.5. SLP Methodology
- 3.8. Just-In-Time (JIT)
 - 3.8.1. Description and Origins of JIT
 - 3.8.2. Objectives
 - 3.8.3. Applications of JIT. Product Sequencing
- 3.9. Theory of Constraints (TOC)
 - 3.9.1. Fundamental Principles
 - 3.9.2. The 5 Steps of TOC and its Application
 - 3.9.3. Advantages and Disadvantages
- 3.10. Quick Response Manufacturing (QRM)
 - 3.10.1. Description
 - 3.10.2. Key Points for the Structuring
 - 3.10.3. Implementation of the QRM

Module 4. Logistics and Distribution Management

- 4.1. Introduction to Logistics Systems
 - 4.1.1. Introduction to Logistics Systems
 - 4.1.2. Design of Logistics Systems
 - 4.1.3. Logistics Information Systems
- 4.2. Typologies of the Supply Chain (SCM)
 - 4.2.1. Supply Chain
 - 4.2.2. Benefits of Supply Chain Management
 - 4.2.3. Logistical Management in the Supply Chain
- 4.3. Internal Logistics
 - 4.3.1. Calculation of Needs
 - 4.3.2. Typology of Warehouses in a JIT System
 - 4.3.3. DOUKI SEISAN Manufacturing Supplies
 - 4.3.4. Tight Material Handling

- 4.4. Distribution and Transport
 - 4.4.1. Functions of Distribution and Transport
 - 4.4.2. Types of Distribution Networks
 - 4.4.3. Design of Distribution Networks
- 4.5. Logistical Operations Control
 - 4.5.1. Logistical System
 - 4.5.2. Benefits of Logistical Operations Control
 - 4.5.3. Logistics Operations Dashboard
- 4.6. Interactions Between the Supply Chain and All Other Departments
 - 4.6.1. Areas to Consider in the Interaction
 - 4.6.2. Interrelations in the Supply Chain (SCM)
 - 4.6.3. Integration Problems in the Supply Chain (SCM)
- 4.7. Logistics Costs
 - 4.7.1. Costs to Consider According to Each Area
 - 4.7.2. Problems with Logistics Costs
 - 4.7.3. Optimizing Logistic Costs
- 4.8. Information Systems
 - 4.8.1. Map of Base Systems
 - 4.8.2. Typology of Information Systems
 - 4.8.3. Information Systems in the Supply Chain

Module 5. Innovation, e-Logistics, and Technology in the Supply Chain

- 5.1. Process Engineering and Product Engineering
 - 5.1.1. Innovation Strategies
 - 5.1.2. Open Innovation
 - 5.1.3. Innovative Organization and Culture
 - 5.1.4. Multifunctional Teams
- 5.2. Launch and Industrialization of New Products
 - 5.2.1. Design of New Products
 - 5.2.2. Lean Design
 - 5.2.3. Industrialisation of New Products
 - 5.2.4. Manufacture and Assembly

- 5.3. Digital e-Commerce Management
 - 5.3.1. New e-Commerce Business Models
 - 5.3.2. Planning and Developing an e-Commerce Strategic Plan
 - 5.3.3. Technological Structure in e-Commerce
- 5.4. E-Commerce Operations and Logistics
 - 5.4.1. Digital Point-of-Sale Management
 - 5.4.2. Contact Center Management
 - 5.4.3. Automation in Management and Monitoring Processes
- 5.5. e-Logistics. B2C and B2B
 - 5.5.1. e-Logistics
 - 5.5.2. B2C: e-Fulfilment, the Last Mile
 - 5.5.3. B2B: e-Procurement. Market Places
- 5.6. Digital Pricing
 - 5.6.1. Online Payment Methods and Payment Gateways
 - 5.6.2. Electronic Promotions
 - 5.6.3. Digital Price Timing
 - 5.6.4. e-Auctions
- 5.7. Legal Aspects of e-Commerce
 - 5.7.1. EU and Spanish Regulations
 - 5.7.2. Data Protection
 - 5.7.3. Fiscal Aspects of e-Commerce
 - 5.7.4. General Sales Conditions
- 5.8. The Warehouse in e-Commerce
 - 5.8.1. Peculiarities of the Warehouse in e-Commerce
 - 5.8.2. Warehouse Design and Planning
 - 5.8.3. Infrastructure. Fixed and Mobile Devices
 - 5.8.4. Zoning and Locations

- 5.9. Designing an Online Store
 - 5.9.1. Design and Usability
 - 5.9.2. Most Common Functionalities
 - 5.9.3. Alternative Technologies
- 5.10. *Supply Chain Management* and Future Trends
 - 5.10.1. The Future of e-Business
 - 5.10.2. The Current and Future Reality of *e-Commerce*
 - 5.10.3. SC Operating Models for Global Companies

Module 6. Industry 4.0

- 6.1. Definition of 4.0 Industry
 - 6.1.1. Features
- 6.2. Benefits of the 4.0 Industry
 - 6.2.1. Key Factors
 - 6.2.2. Main Advantages
- 6.3. Industrial Revolutions and Vision of the Future
 - 6.3.1. Industrial Revolutions
 - 6.3.2. Keys Factors in Each Revolution
 - 6.3.3. Technological Principles as a Basis for Possible New Revolutions
- 6.4. The Digital Transformation of the Industry
 - 6.4.1. Characteristics of the Digitization of the Industry
 - 6.4.2. Disruptive Technologies
 - 6.4.3. Applications in the Industry
- 6.5. Forth Industrial Revolution. Key Principles of Industry 4.0
 - 6.5.1. Definitions
 - 6.5.2. Key Principles and Applications
- 6.6. 4.0 Industry and Industrial Internet
 - 6.6.1. Origin of IIoT
 - 6.6.2. Operation
 - 6.6.3. Steps to Follow for its Implementation
 - 6.6.4. Benefits

- 6.7. Smart Factory Principles
 - 6.7.1. Smart Factory
 - 6.7.2. Elements That Define a Smart Factory
 - 6.7.3. Steps to Deploy a Smart Factory
- 6.8. Status of the 4.0 Industry
 - 6.8.1. Status of the 4.0 Industry in Different Sectors
 - 6.8.2. Barriers to the Implementation of 4.0 Industry
- 6.9. Challenges and Risks
 - 6.9.1. DAFO Analysis
 - 6.9.2. Challenges
- 6.10. Role of Technological Capabilities and the Human Factor
 - 6.10.1. Disruptive Technologies in Industry 4.0
 - 6.10.2. The Importance of the Human Factor Key Factor

Module 7. Operations: Planning, Manufacturing and Warehouses

- 7.1. Demand Forecasting
 - 7.1.1. Planning System and Production Control
 - 7.1.2. Demand and Types of Demand
 - 7.1.3. Demand Forecasting and Methodology
- 7.2. Resource Planning and Manufacturing Capacity
 - 7.2.1. Aggregate Production Planning
 - 7.2.2. Master Production Planning System
 - 7.2.3. Approximate Capacity Planning System
- 7.3. Sequencing
 - 7.3.1. Material Requirements Planning
 - 7.3.2. Capacity Requirements Planning
 - 7.3.3. Manufacturing Resources Planning (MRPII)
- 7.4. Manufacturing Preparation
 - 7.4.1. Launching and Control System for Production Activities
 - 7.4.2. Production Programming
 - 7.4.3. Sequencing. Production Control





- 7.5. Maintenance Control
 - 7.5.1. Maintenance Control
 - 7.5.2. Maintenance Control Cycle
 - 7.5.3. Designing a Maintenance Plan
- 7.6. Lean Warehouse
 - 7.6.1. Introduction to Lean Manufacturing
 - 7.6.2. Structure of the Lean System
 - 7.6.3. Lean Techniques
- 7.7. Warehouse Design and Management
 - 7.7.1. Advanced Warehouse Design
 - 7.7.2. Picking and Sorting
 - 7.7.3. Material Flow Control
- 7.8. Manufacturing Costs
 - 7.8.1. Production Costs
 - 7.8.2. Other General Manufacturing Costs
 - 7.8.3. Cost Systems
- 7.9. Warehouse Costs
 - 7.9.1. Introduction to Warehousing Costs
 - 7.9.2. Classification of Warehousing Costs
 - 7.9.3. Inventory Assessments
- 7.10. Information Systems in Planning and Manufacturing
 - 7.10.1. General Information Systems
 - 7.10.2. Information Systems in Planning and Manufacturing
 - 7.10.3. Market Operations
- 7.11. Information Systems in Warehouses
 - 7.11.1. Information Systems in Warehouses
 - 7.11.2. Information Technology in Warehouses
 - 7.11.3. Market Options

Module 8. Warehouse Management

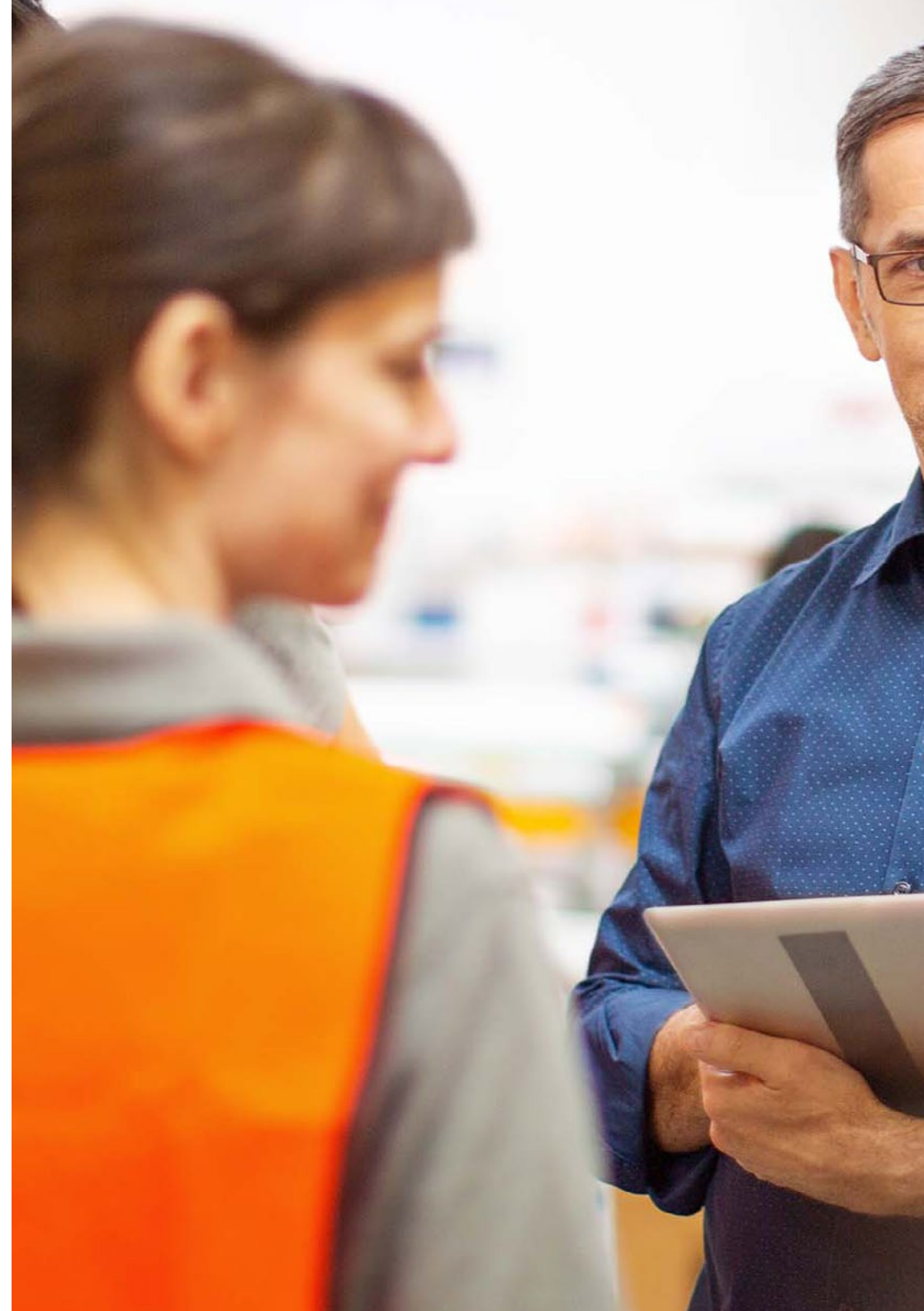
- 8.1. Introduction to Integral Logistics
 - 8.1.1. Previous Concepts
 - 8.1.2. The Evolution of the Concept of Logistics
 - 8.1.3. The Logistical System of the Company
 - 8.1.4. Advanced Concepts and New Trends in Logistics
- 8.2. Materials Inventory
 - 8.2.1. Basic Concepts
 - 8.2.2. Basic Functions of Inventory
 - 8.2.3. Types of Inventory
 - 8.2.4. Costs Related to Inventory
 - 8.2.5. ABC Classification
- 8.3. Procurement and Inventory Management
 - 8.3.1. Function of Procurement
 - 8.3.2. Supplier Selection and Evaluation
 - 8.3.3. The Economic Lot
 - 8.3.4. Base Stock and Safety Stock
 - 8.3.5. Inventory Replenishment Systems
 - 8.3.6. Inventory Management
- 8.4. Modern Techniques of Stock Management
 - 8.4.1. Basic Concepts
 - 8.4.2. Material Requirements Planning (MRP)
 - 8.4.3. Just In Time (JIT) Philosophy
 - 8.4.4. Optimized Production Technology (OPT)
 - 8.4.5. MRP/JIT/OPT Comparison
- 8.5. Warehouse Logistics I
 - 8.5.1. Introduction to Warehousing
 - 8.5.2. Classes of Warehouses
 - 8.5.3. Warehouse Layout
 - 8.5.4. Loading and Palletizing Units
- 8.6. Warehouse Logistics II
 - 8.6.1. Warehousing Systems
 - 8.6.2. Handling Equipment
 - 8.6.3. Elements of Warehouse Design
 - 8.6.4. Methodology of the Project
- 8.7. Industrial Handling
 - 8.7.1. Introduction to Industrial Handling
 - 8.7.2. Handling Systems in Production
- 8.8. Transport and Physical Distribution
 - 8.8.1. The Function of Transport
 - 8.8.2. Modes of Transport
 - 8.8.3. Vehicle Fleet Management
 - 8.8.4. Planning of Distribution Routes
 - 8.8.5. Efficient Use of Vehicle Fleet
- 8.9. Integration of Logistical Activities
 - 8.9.1. Evolution of the Production Chain
 - 8.9.2. Logistical Circuits and Flows
 - 8.9.3. Logistical Solutions
- 8.10. Safety and Prevention in the Warehouse
 - 8.10.1. Safety in the Warehouse
 - 8.10.2. Risk Evaluation in the Warehouse and its Prevention
 - 8.10.3. Ergonomics and Occupational Accidents in the Warehouse

Module 9. Occupational and Industrial Safety

- 9.1. Work and Health: Professional Risks. Risk Factors
 - 9.1.1. Prevention Management
 - 9.1.2. Work
 - 9.1.3. Health of Professionals
 - 9.1.4. Inherent Risks of Occupational Activity
 - 9.1.5. Influence of the Work Conditions in Prevention Management
 - 9.1.6. Prevention Techniques and Protection Techniques
 - 9.1.7. Personal Protective Equipment: Functions, Usefulness and Selection for Each Work Activity
- 9.2. Damages Resulting from Work. Work-Based Accidents and Professional Illnesses
 - 9.2.1. Damage to Health. Work-Based Accident and Professional Disease
 - 9.2.2. Work Accidents. Types
 - 9.2.3. Accident/Incident Ratio Rule
 - 9.2.4. Repercussions of Work Accidents
 - 9.2.5. Professional Illnesses: How to Deal With It Equitably and Sustainably
- 9.3. Legislative Framework and Basic Regulations on the Subject of Occupational Risk Prevention
 - 9.3.1. Historical Revolution of the Legislative Framework on Preventative Measures
 - 9.3.2. International Legislation and Regulation. European Union Regulations
 - 9.3.3. National Regulations
 - 9.3.4. Specific Regulations
 - 9.3.5. The Company and Obligations Derived From the Prevention of Occupational Risks
 - 9.3.6. Responsibilities and Sanctions. Workers' Rights and Responsibilities
 - 9.3.7. Prevention Delegates
 - 9.3.8. Health and Safety Committee
- 9.4. Public Organizations Related to Health and Safety at Work
 - 9.4.1. Public Organizations
 - 9.4.2. European Organizations
 - 9.4.3. National Organizations
- 9.5. OHS Management Systems. The Model of Law 31/1995
 - 9.5.1. Prevention Management According to the OHS Law
 - 9.5.2. The Prevention Plan
 - 9.5.3. Risk Assessment
 - 9.5.4. Risk Planning or Preventative Action Planning
 - 9.5.5. Health Surveillance
 - 9.5.6. Information and Training
 - 9.5.7. Emergency Measures
 - 9.5.8. Preparation of the Annual Report
 - 9.5.9. Audits of the Labor Activity Based on Current Legislation
- 9.6. Risk Prevention Documentation: Collection, Preparation and Archiving
 - 9.6.1. Treatment of Information Obtained
 - 9.6.2. Actions to Be Carried Out Based on the Information Collected
- 9.7. Operative Management for the Prevention of Occupational Risks
 - 9.7.1. Planning and Operative Management of Risks
 - 9.7.2. Execution of Prevention Processes
 - 9.7.3. Control and Adjustments of the Processes
 - 9.7.4. Audits of the Prevention System
 - 9.7.5. Cost of Occupational Accidents: Contingency, Benefits and Disability
- 9.8. Risks Associated with Safety Conditions and Hygiene. How to Minimize Them
 - 9.8.1. Bad Lighting
 - 9.8.2. Exposure to Contaminating Substances
 - 9.8.3. Exposure to Noise
- 9.9. Risks Associated With the Work Environment. How to Minimize Them
 - 9.9.1. Ionizing Radiation
 - 9.9.2. Electrical Fields and Magnetic Fields
 - 9.9.3. Optic Radiation
- 9.10. Risks Associated With Psychology Applied to Work. How to Minimize Them
 - 9.10.1. Content, Load, Rhythm and Time of Work
 - 9.10.2. Participation and Control of Work Activity
 - 9.10.3. Organizational Structure: Influence in the Management and Prevention of Risks

Module 10. Management of Human Resources

- 10.1. Organizational Behavior
 - 10.1.1. Organizational Theory
 - 10.1.2. Key Components for Change in Organizations
 - 10.1.3. Perspectives and Tools for Knowledge Management
- 10.2. Strategic People Management
 - 10.2.1. Job Design, Recruitment, and Selection
 - 10.2.2. Training and Professional Development
 - 10.2.3. Strategic Planning From a People Management Perspective
 - 10.2.4. Design and Implementation of Personnel Policies and Practices
- 10.3. Management and Leadership Development
 - 10.3.1. Leadership and Leadership Styles
 - 10.3.2. Motivation
 - 10.3.3. Emotional Intelligence
 - 10.3.4. Skills and Abilities of the Leader 2.0
 - 10.3.5. Efficient Meetings
- 10.4. Change Management
 - 10.4.1. Performance Analysis
 - 10.4.2. Leading Change. Resistance to Change
 - 10.4.3. Managing Change Processes
 - 10.4.4. Managing Multicultural Teams
- 10.5. Negotiation and Conflict Management
 - 10.5.1. Effective Negotiation Techniques
 - 10.5.2. Interpersonal Conflicts
 - 10.5.3. Intercultural Negotiation





- 10.6. Direct Communication
 - 10.6.1. Interpersonal Communication
 - 10.6.2. Communication Skills and Influence
- 10.7. Team Management and People Performance
 - 10.7.1. Quality of Work Life and Psychological Well-Being
 - 10.7.2. Work Teams and Meeting Management
 - 10.7.3. *Coaching* and Team Management
 - 10.7.4. Managing Equality and Diversity
- 10.8. Knowledge and Talent Management
 - 10.8.1. Managing Human Capital
 - 10.8.2. Environment, Strategy, and Metrics
 - 10.8.3. Innovation in People Management
 - 10.8.4. Internal Communication and Integral Communication Plans
 - 10.8.5. Barriers for Business Communication

“*You will learn the most useful tools to help entrepreneurs generate unique value propositions. Don't miss this opportunity. This is your moment*”

05

Methodology

This training program offers 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"

At TECH we use the Case Method

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

“

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



We are the first online university to combine Harvard Business School case studies with a 100% online learning system based on repetition.



A learning method that is different and innovative

This intensive Engineering program at TECH Technological University prepares you to face all the challenges in this field, both nationally and internationally. We are committed to promoting your personal and professional growth, the best way to strive for success, that is why at TECH Technological University you will use Harvard case studies, with which we have a strategic agreement that allows us, to offer you material from the best university in the world.

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

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

The case method is the most widely used learning system by 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 is the first university in the world to combine Harvard University case studies with a 100% online learning system based on repetition, which combines 8 different didactic elements in each lesson.

We enhance Harvard case studies 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 university 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.



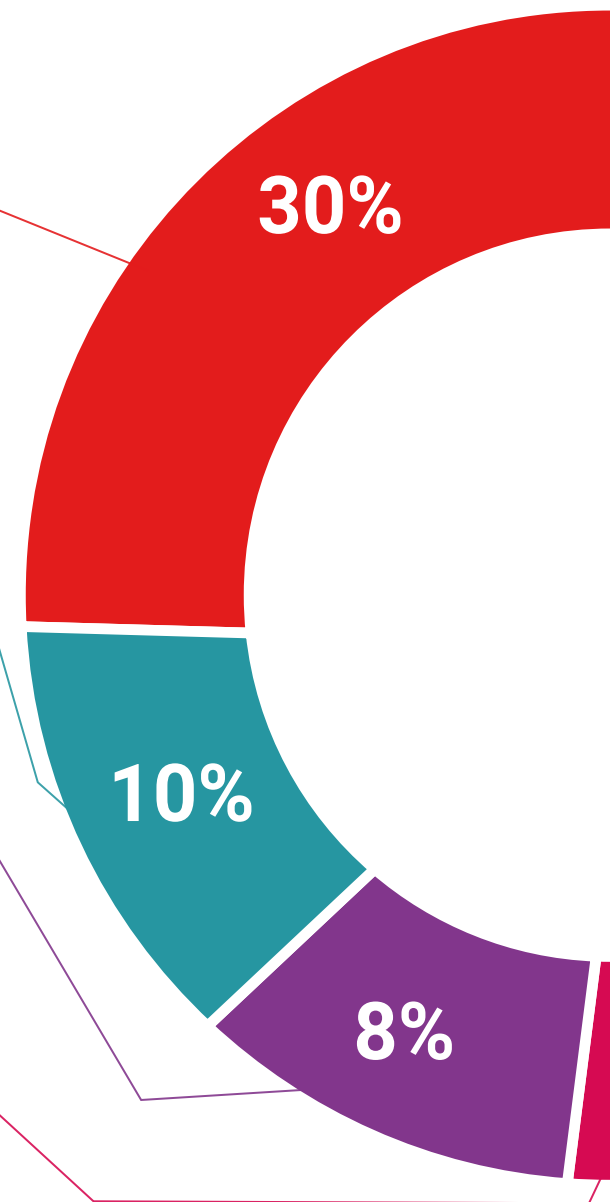
Practising Skills and Abilities

They will carry out activities to develop specific competencies and skills in each thematic area. Exercises and activities to acquire and develop the skills and abilities that a specialist 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

They will complete a selection of the best case studies in the field used at Harvard. 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 multimedia content presentation training Exclusive system 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 your goals.



06

Certificate

The Professional Master's Degree in Stock and Warehouse Management guarantees, in addition to the most rigorous and up-to-date training, access to a Professional Master's Degree issued by TECH Technological University.



“

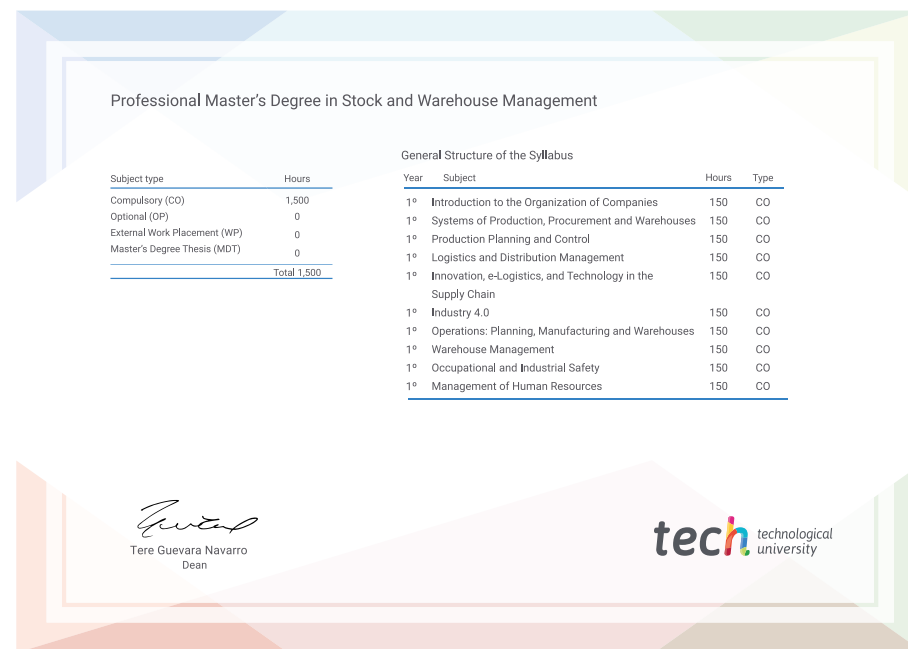
Successfully complete this training program and receive your university certificate without travel or laborious paperwork"

This **Professional Master's Degree in Stock and Warehouse Management** contains the most complete and up-to-date educational program on the market.

After passing the assessments, the student will receive their corresponding **Professional Master's Degree** diploma issued by **TECH Technological University** via tracked delivery*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Professional Master's Degree, and will meet the requirements commonly demanded by job exchanges, competitive examinations and professional career evaluation committees.

Title: **Professional Master's Degree in Stock and Warehouse Management**
 Official N° of hours: **1,500 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.

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



Professional Master's Degree

Stock and Warehouse Management

Course Modality: Online

Duration: 12 months

Certificate: TECH Technological University

Official N° of hours: 1,500 h.

Professional Master's Degree Stock and Warehouse Management