

Executive Master's Degree MBA in Logistics and Operations Management (COO, Chief Operating Officer)

M B A L O M





Executive Master's Degree MBA in Logistics and Operations Management (COO, Chief Operating Officer)

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Global University
- » Credits: 60 ECTS
- » Schedule: at your own pace
- » Exams: online
- » Target group: Graduates and professionals with experience in logistics

Website: www.techtute.com/us/school-of-business/executive-master-degree/master-mba-logistics-operations-management-coo-chief-operating-officer

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01 Welcome

In the globalized world in which we live, the logistics sector has become an engine for businesses, and its proper functioning is essential for the development of companies. This is where the Chief Operating Officer (COO) comes into play, as they are the person in charge of organizing the daily work of all the teams within a company. This is an indispensable position to ensure that an organization's business strategy goes according to plan, and to make the necessary decisions if something doesn't go as expected. For this reason, the MBA in Logistics and Operations Management (COO, Chief Operating Officer) is designed to provide the necessary tools to train responsible executives with the specific skills that will enable them to adapt quickly to constant changes, and to make the right decisions that will lead to the success of the company.



MBA in Logistics and Operations Management (COO, Chief Operating Officer)
TECH Global University



“

Learn all the relevant logistics management procedures and achieve the best benefits for your company”

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 puts all its resources at the student's disposal which to help them achieve entrepreneurial success"

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



Economy of Scale

TECH is the world's largest online university. It currently boasts a portfolio of more than 10,000 university postgraduate programs. And in today's new economy, **volume + technology = a groundbreaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.



Learn with the best

In the classroom, TECH's teaching staff discuss how they have achieved success in their companies, working in a real, lively, and dynamic context. Teachers who are fully committed to offering a quality specialization that will allow students to advance in their career and stand out in the business world.

Teachers representing 20 different nationalities.



At TECH, you will have access to the most rigorous and up-to-date case studies in the academic community"

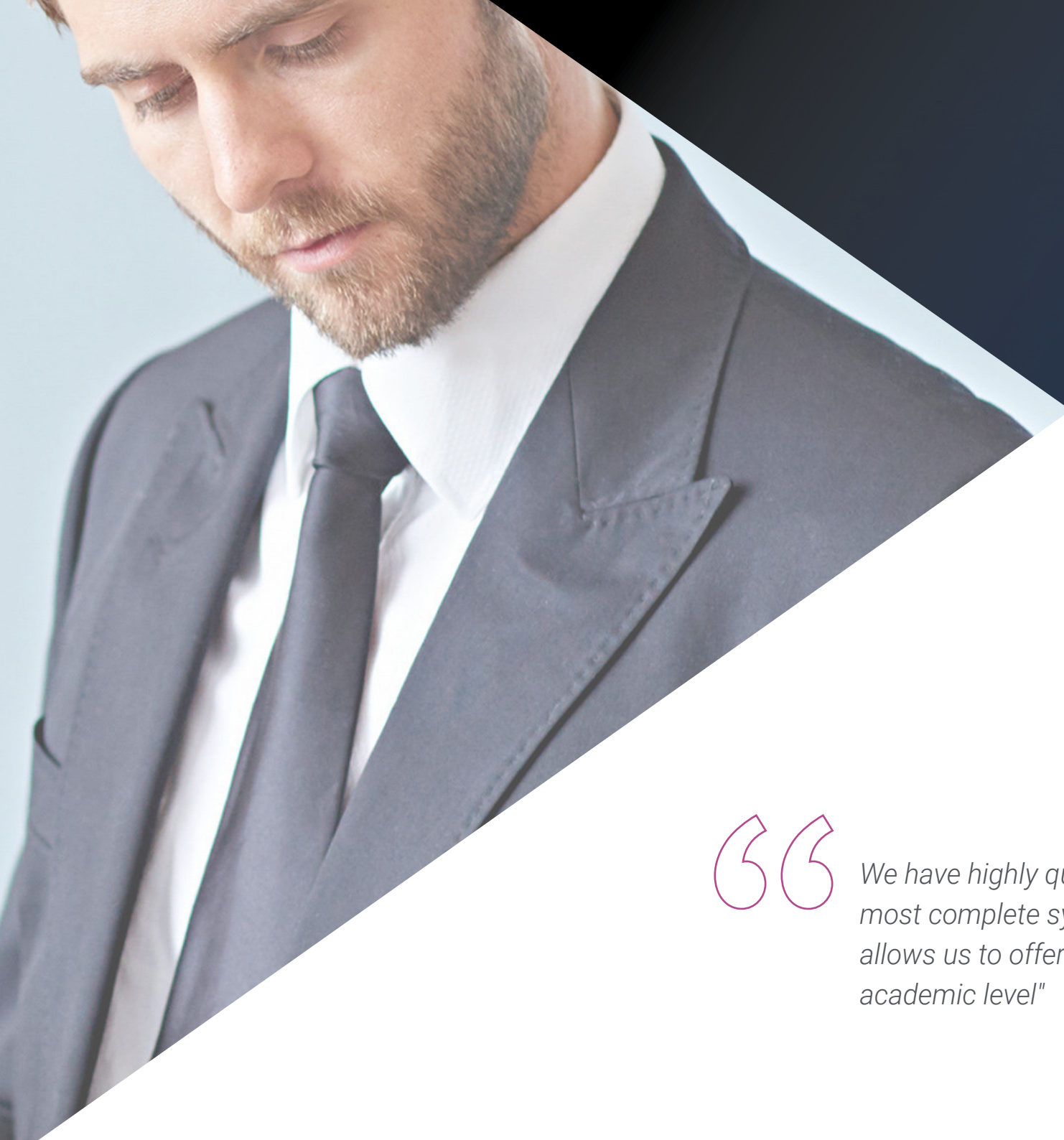
03

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.





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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 Global University community.

We give you the opportunity to train with a team of world renowned teachers.

04 Objectives

This program is designed to strengthen management and leadership skills of future Chief Operating Officers, creating a competent individual in operations and logistics, as well as to develop new skills and abilities that will be essential in your professional development. Furthermore, the student will implement Lean Management throughout the supply chain. After the program, you will be equipped to make global decisions with an innovative perspective and an international vision.





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One of our fundamental objectives is to help you develop the essential skills to strategically manage the logistic procedures of a business"

Your goals are our goals.

We work together to help you achieve them.

MBA in Logistics and Operations Management (COO, Chief Operating Officer will train you to:

01

Gain a general vision of a business: mission, values, innovation, communication, logistic processes, leadership and financial management

04

Develop strategies to optimize customer service and improve the profitability in the national and international market

02

Gain in-depth knowledge of the logistic process of a business to be able to successfully manage it

03

Control the entire process for creating new products

05

Develop an international vision of the supply chain



06

Apply Lean Management concepts throughout the supply chain

08

Implement techniques to develop the interaction between store and logistics, catalogue management, purchasing and procurement, warehouse operations, transportation and distribution, customer service, etc.

09

Implement tools for operational and economic control of business procedures

07

Describe the latest advances in the sector, thanks to the collaboration of the public sector and the private business sector, both nationally and internationally

10

Describe the procedures for establishing decision criteria for process outsourcing, RFQs and signing of logistics service contracts



11

Describe in depth the value creation mechanisms of the supply chain

12

Explain the interactions and impact of operative decisions on the rest of the business functions

13

Be able to manage all the accounting aspects of the purchasing process





14

Apply quality criteria to all the process in the logistics chain

15

Use IT systems and projects which allow for production improvement

16

Compete through innovation in logistics processes

05 Skills

After passing the assessments of the MBA in Logistics and Operations Management (COO, Chief Operating Officer), the student will have an overview of business management as a Chief Operating Officer, developing a versatile professional profile which they can adapt to the multiple departments found within a business. In this way the professional will have acquired the necessary skills for a quality and up-to-date practice based on the most innovative teaching methodology.



“

We offer you the necessary resources to help you develop the skills which will allow you to work as Chief Operating Officer”

At the end of this program, the professional will be able to:

01

Organize the different departments of a business, with special emphasis on the area of logistics

02

Understand the functions and skills required of management, developing these skills and putting them into practice during professional development

03

Organize the different sales structures and channels

04

Carry out correct economic control of purchases

05

Understand the supply chain in depth to be able to manage the logistic processes in an appropriate way



06

Perform strategic management of purchases, applying the appropriate tools to ensure a successful operation

08

Design and manage a strategic plan for IT projects.

09

Do the financial accounting for the supply chain, ensuring correct analysis and planning is carried out

07

Apply the appropriate tools for quality control of different operations of the business

10

Apply Lean Management methodologies



06

Structure and Content

The MBA in Logistics and Operations Management (COO, Chief Operating Office) is a tailor-made program that is delivered in a 100% online format. This way, you can choose the time and place that best suits your availability, schedule, and interests, achieving the most effective learning for you.

A program that takes place over 12 months and is intended to be a unique and stimulating experience that lays the foundation for your success as the logistics manager in your company.





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Our program is adapted to your needs and so only you will control the rhythm of your studies

Syllabus

The Chief Operating Officer plays one of the most important roles in many businesses, taking on a wide range of responsibilities to guarantee that business operations are carried out in the most effective and efficient way. They deal with any errors and establish strategic plans to go beyond the expectations of clients and their senior colleagues.

The MBA in Logistics and Operations Management (COO, Chief Operating Officer) at TECH Global University is an intensive program which prepares students to face the challenges and business decisions that a COO must deal with in their job at a logistical and operational level.

The content of the program is designed to promote the development of managerial skills that enable more thorough decision-making in uncertain environments.

Over the course of 1,500 hours, the student analyzes a plethora of practical cases through a theoretical-practical working system. It is, therefore, an authentic immersion in real business situations which will be useful in improving the training of professionals in this sector.

This Executive Master's Degree looks in depth at the different areas of a business and is designed to provide professionals with specialist training to help them understand logistical management and operations. This is done from a strategic, international and innovative perspective, taking into consideration the importance of this type of managerial role within a business.

A plan designed for you, focused on improving your career and preparing you to achieve excellence in leadership and business management. A program that understands both yours and your company's needs through innovative content based on the latest trends, and supported by the best educational methodology and an exceptional faculty, which will provide you with the skills to solve critical situations, creatively and efficiently.

This Executive Master's Degree takes place over 12 months and is divided into 10 modules:

Module 1	Business Vision
Module 2	Organization of production, procurement and warehousing as
Module 3	well as logistics organization
Module 4	Operations management I: planning, manufacturing and warehousing
Module 5	Operations management II: SCM logistics
Module 6	Operations Management III: strategic sales management
Module 7	Operations Management IV: quality
Module 8	Strategic planning and project management
Module 9	Financial Supply Chain Management
Module 10	Operative strategy and LEAN management methodologies



Where, When and How is it Taught?

TECH offers you the possibility of taking this program completely online. Throughout the 12 months of training, you will be able to access all the contents of this program at any time, allowing you to self-manage your study time.

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

Module 1. Business Vision

<p>1.1. Corporate Mission, Vision and Values</p> <p>1.1.1. Mission, Vision and Values 1.1.2. Relationship with the Functions of the Operations Manager 1.1.3. Example of Mission, Vision and Values in Main Businesses</p>	<p>1.2. Business Organization: Key Departments</p> <p>1.2.1. Details of Main Departments 1.2.2. Governing Bodies 1.2.3. Influence of the Operations Manager on the Departments</p>	<p>1.3. Commercial Organization: Commerce and Commercial Administration</p> <p>1.3.1. Commercial Department 1.3.2. Commercial Administration Department 1.3.3. Coordination Between the Commercial Area and the Rest of the Business</p>	<p>1.4. Industrial and Logistic Organization</p> <p>1.4.1. Industrial Organization Department 1.4.2. Internal Logistics Department 1.4.3. External Logistics Department</p>
<p>1.5. Management Functions and Skills</p> <p>1.5.1. Department Headed by the Director of Operations 1.5.2. Responsibilities of an Operations Manager 1.5.3. Focus on Skills</p>	<p>1.6. Leadership</p>	<p>1.7. Human Resources and Occupational Risk Prevention Teams Management</p> <p>1.7.1. Human Resources Management 1.7.2. Team Management 1.7.3. Occupational Risk Prevention Plan</p>	<p>1.8. Horizontal and Vertical Communication</p> <p>1.8.1. Horizontal Communication 1.8.2. Vertical Communication 1.8.3. Management Communication</p>
<p>1.9. Costs</p> <p>1.9.1. Accounting of Costs 1.9.2. Differences Between Spending, Purchasing, Investment, Payment and Cost 1.9.3. Typology and Classification of Costs</p>	<p>1.10. Information Systems</p> <p>1.10.1. Concept of a Marketing Information System (MIS) 1.10.2. Features of an MIS 1.10.3. The Information in the MIS</p>	<p>1.11. Industry 4.0 in the Short- and Medium-Term</p> <p>1.11.1. Big Data 1.11.2. IoT 1.11.3. Additive Manufacturing</p>	<p>1.12. Industry 4.0 in the Long Term</p> <p>1.12.1. Machine Learning 1.12.2. Collaborative Robotics 1.12.3. Augmented Reality, Virtual Reality and Cybersecurity</p>

Module 2. Organization of Production, Procurement and Warehouses

<p>2.1. Structure and Types of Production (MTS, MTO, ATO, ETO etc.)</p> <p>2.1.1. Production Systems and Strategies 2.1.2. Inventory Management System 2.1.3. Production Indicators</p>	<p>2.2. Sales Structure, Types and Channels</p> <p>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</p>	<p>2.3. Structure and Types of Procurement</p> <p>2.3.1. Function of Procurement 2.3.2. Procurement Management 2.3.3. The Buying Decision Process</p>	<p>2.4. Design of Production Plants</p> <p>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</p>
<p>2.5. Economic Control of Purchasing</p> <p>2.5.1. Advanced Warehouse Design 2.5.2. Picking and Sorting 2.5.3. Material Flow Control</p>	<p>2.6. Process Design</p> <p>2.6.1. Definition of Process Design 2.6.2. Principles of Process Design 2.6.3. Process Modeling</p>	<p>2.7. Resource Allocation</p> <p>2.7.1. Introduction to Resource Allocation 2.7.2. Project Management 2.7.3. Resource Distribution</p>	<p>2.8. Industrial Operations Control</p> <p>2.8.1. Process Control and its Characteristics 2.8.2. Examples of Industrial Processes 2.8.3. Industrial Controls</p>
<p>2.9. Warehouse Operations Control</p> <p>2.9.1. Warehouse Operations 2.9.2. Inventory Control and Location Systems 2.9.3. Stock Management Techniques</p>	<p>2.10. Maintenance Operations</p> <p>2.10.1. Industrial Maintenance and Typology 2.10.2. Maintenance Planning 2.10.3. Management of Computer-Assisted Maintenance</p>		

Module 3. Logistics Organization
3.1. Introduction to Logistics Systems

- 3.1.1. Introduction to Logistics Systems
- 3.1.2. Design of Logistics Systems
- 3.1.3. Logistics Information Systems

3.2. Topologies of the Supply Chain (SCM)

- 3.2.1. Supply Chain
- 3.2.2. Benefits of Supply Chain Management
- 3.2.3. Logistical Management in the Supply Chain

3.3. Internal Logistics

- 3.3.1. Advanced Warehouse Design
- 3.3.2. Picking and Sorting
- 3.3.3. Material Flow Control

3.4. Distribution and Transport

- 3.4.1. Functions of Distribution and Transport
- 3.4.2. Types of Distribution Networks
- 3.4.3. Design of Distribution Networks

3.5. Logistical Operations Control

- 3.5.1. Logistical System
- 3.5.2. Benefits of Logistical Operations Control
- 3.5.3. Logistics Operations Dashboard

3.6. Interactions Between the SCM and All Other Departments

- 3.6.1. Areas to Consider in the Interaction
- 3.6.2. SCM Interrelations
- 3.6.3. Integration Problems in the SCM

3.7. Logistics Costs

- 3.7.1. Costs to Consider According to Each Area
- 3.7.2. Problems with Logistics Costs
- 3.7.3. Optimizing Logistic Costs

3.8. Information Systems

- 3.8.1. Map of Base Systems
- 3.8.2. Typology of Information Systems
- 3.8.3. Information Systems in the Supply Chain

Module 4. Operations Management I: Planning, Manufacturing and Warehousing
4.1. Demand Forecasting

- 4.1.1. Planning System and Production Control
- 4.1.2. Demand and Types of Demand
- 4.1.3. Demand Forecasting and Methodology

4.2. Resource Planning and Manufacturing Capacity

- 4.2.1. Aggregate Production Planning
- 4.2.2. Master Production Planning System
- 4.2.3. Approximate Capacity Planning System

4.3. Sequencing

- 4.3.1. Material Requirements Planning
- 4.3.2. Capacity Requirements Planning
- 4.3.3. Manufacturing Resources Planning (MRPII)

4.4. Manufacturing Preparation

- 4.4.1. Launching and Control System for Production Activities
- 4.4.2. Production Programming
- 4.4.3. Sequencing, Production Control

4.5. Maintenance Control

- 4.5.1. Maintenance Control
- 4.5.2. Maintenance Control Cycle
- 4.5.3. Designing a Maintenance Plan

4.6. Lean Warehouse

- 4.6.1. Introduction to Lean Manufacturing
- 4.6.2. Structure of the Lean System
- 4.6.3. Lean Techniques

4.7. Warehouse Design and Management

- 4.7.1. Advanced Warehouse Design
- 4.7.2. Picking and Sorting
- 4.7.3. Material Flow Control

4.8. Manufacturing Costs

- 4.8.1. Production Costs
- 4.8.2. Other General Manufacturing Costs
- 4.8.3. Cost Systems

4.9. Warehouse Costs

- 4.9.1. Introduction to Warehousing Costs
- 4.9.2. Classification of Warehousing Costs
- 4.9.3. Inventory Assessments

4.10. Information Systems in Planning and Manufacturing

- 4.10.1. General Information Systems
- 4.10.2. Information Systems in Planning and Manufacturing
- 4.10.3. Market Operations

4.11. Information Systems in Warehouses

- 4.11.1. Information Systems in Warehouses
- 4.11.2. Information Technology in Warehouses
- 4.11.3. Market Options

Module 5. Operations Management II: SCM Logistics

<p>5.1. Supply Chain Design and Management</p> <p>5.1.1. Introduction to the Supply Chain: Components</p> <p>5.1.2. Supply Chain Design</p> <p>5.1.3. Supply Chain Management</p>	<p>5.2. Key Aspects of the Supply Chain</p> <p>5.2.1. Evolution of the Supply Chain</p> <p>5.2.2. Key Aspects of the Supply Chain</p> <p>5.2.3. Scenario Analysis</p>	<p>5.3. Strategic Planning Design throughout the Supply Chain</p> <p>5.3.1. Strategic Design of Supply Chain</p> <p>5.3.2. Planning of the Supply Chain</p> <p>5.3.3. Methodology for the Strategic Design of the Supply Chain</p>	<p>5.4. Order Preparation</p> <p>5.4.1. Introduction to Order Preparation</p> <p>5.4.2. Basic Considerations for Order Preparation</p> <p>5.4.3. Phases of Order Preparation</p>
<p>5.5. Resource Management. Capacity and Schedules</p> <p>5.5.1. Resources Management and Training</p> <p>5.5.2. Techniques for Resource Management</p> <p>5.5.3. Schedules</p>	<p>5.6. External Logistical Planning</p> <p>5.6.1. Introduction to Integral Logistics</p> <p>5.6.2. Importance of Logistical Planning</p> <p>5.6.3. Key Aspects of Logistical Planning</p>	<p>5.7. Reverse Logistics and Sustainability</p> <p>5.7.1. Sustainable Development</p> <p>5.7.2. Reverse Logistics</p> <p>5.7.3. Green Logistics</p>	<p>5.8. International Logistics Distribution</p> <p>5.8.1. Advanced Warehouse Design</p> <p>5.8.2. Picking and Sorting</p> <p>5.8.3. Material Flow Control</p>
<p>5.9. Customer Service</p> <p>5.9.1. Methods</p> <p>5.9.2. Indicators</p> <p>5.9.3. Relationship with Logistics</p>	<p>5.10. Lean Management</p> <p>5.10.1. Lean Basis with Application in International Logistics</p> <p>5.10.2. Main Implications and Requirements</p> <p>5.10.3. Other Methodologies to Improve the Process</p>	<p>5.11. Supply Chain Costs</p> <p>5.11.1. Cost Cutting Projects</p> <p>5.11.2. Stages</p> <p>5.11.3. Case Study</p>	<p>5.12. Information Systems</p> <p>5.12.1. Amazon Case Study</p> <p>5.12.2. Integration with Amazon</p> <p>5.12.3. Message Flow</p>

Module 6. Operations Management III: Purchasing Strategic Management

<p>6.1. Strategic Purchasing Management</p> <p>6.1.1. Strategic Management: Benefits and Models</p> <p>6.1.2. Strategic Purchasing Management and its Factors</p> <p>6.1.3. Purchasing Strategies</p>	<p>6.2. Lean Management in Purchasing Processes</p> <p>6.2.1. Lean Buying</p> <p>6.2.2. Outsourcing in the SCM</p> <p>6.2.3. Lean Supplying</p>	<p>6.3. Purchasing Strategy Design</p> <p>6.3.1. Externalization</p> <p>6.3.2. Process Outsourcing</p> <p>6.3.3. Globalization</p> <p>6.3.4. Relocation</p>	<p>6.4. Outsourcing-Insourcing</p> <p>6.4.1. Purchasing Models and Processes</p> <p>6.4.2. Segmentation Models</p> <p>6.4.3. Role of e-Procurement</p>
<p>6.5. Strategic Sourcing</p> <p>6.5.1. Supplier Selection and Strategy</p> <p>6.5.2. Value Generation from Strategic Procurement</p> <p>6.5.3. Logistic Operators in Procurement</p>	<p>6.6. Transportation and Distribution Management</p> <p>6.6.1. Coordination Between Transport and Warehousing</p> <p>6.6.2. Logistics Activity Zones (LAZ)</p>	<p>6.7. Global Supply Chain</p> <p>6.7.1. Introduction and Classification of the Complexity of Supply Chains</p> <p>6.7.2. Areas of Opportunity in Global Supply Chains</p> <p>6.7.3. Trends in Global Supply Chains</p>	<p>6.8. Import Management</p> <p>6.8.1. Customs, Export and Import processes</p> <p>6.8.2. International Commerce Institutions and Agreements</p> <p>6.8.3. Plant Management and International Purchasing</p>
<p>6.9. Incoterms and International Document Management</p> <p>6.9.1. Exportation or Implantation</p> <p>6.9.2. Agency, Distribution and International Sales and Purchase Agreements</p> <p>6.9.3. Industrial and Intellectual Property</p> <p>6.9.4. Taxes and Tariffs Classification</p>	<p>6.10. Methods and Means of International Payment</p> <p>6.10.1. Payment Method Selection</p> <p>6.10.2. Documentary Credit</p> <p>6.10.3. Bank Guarantee and Documentary Credit</p>	<p>6.11. Purchasing Strategic Management Costs</p> <p>6.11.1. Value Chain</p> <p>6.11.2. Procurement Costs</p> <p>6.11.3. Inventory Valuation</p>	<p>6.12. Information Systems in Purchasing</p> <p>6.12.1. Master Data</p> <p>6.12.2. Processes</p> <p>6.12.3. EDI Messages</p>

Module 7. Operations Management IV: Quality

7.1. Principles of Statistics Applied to Quality Control 7.1.1. Introduction 7.1.2. Measures of Central Tendency 7.1.3. Measures of Dispersion	7.2. Operational Defect Definition 7.2.1. Evolution of Quality in the SCM 7.2.2. Defect Definition, Control and Cataloguing 7.2.3. Criteria for Acceptance or Rejection of a Product	7.3. Basic Concepts of Control 7.3.1. Definitions 7.3.2. ISO 9001 7.3.3. Requirements of ISO 9001	7.4. Control Charts by Variables and Attributes 7.4.1. Control by Variable and by Attributes 7.4.2. Control Charts 7.4.3. OC Chart
7.5. Sampling Inspection 7.5.1. Typology 7.5.2. Methodology 7.5.3. Sample size	7.6. Process Capability 7.6.1. Associated Statistics 7.6.2. Variability 7.6.3. Cp Index	7.7. Six Sigma. Methodology and Strategy 7.7.1. Definition of Six Sigma 7.7.2. Methodology of Six Sigma 7.7.3. Structure of Six Sigma	7.8. Quality Cost 7.8.1. Types of Viability Study 7.8.2. Viability Technique Study 7.8.3. Use Case
7.9. Information Systems 7.9.1. Implementation of Quality in the ERP 7.9.2. Quality Control in Events 7.9.3. Periodic Controls			

Module 8. Strategic Planning and IT Project Management

8.1. Global Map of IT Systems (I): ERP, MRP, SGA, MES 8.1.1. Description of Each System 8.1.2. Market Options 8.1.3. Implantation Processes	8.2. Global Map of IT Systems (II): eCommerce, Corporate Web, BI, Simulation, Machine Learning and CMMS 8.2.1. Description of Each System 8.2.2. Market Options 8.2.3. Implantation Processes	8.3. IT Systems: High Availability, Security and Maintenance 8.3.1. Aspects to Consider 8.3.2. Market Options 8.3.3. Implementation Processes	8.4. IS Strategic Planning 8.4.1. Aspects to Consider 8.4.2. Technological Resources Management 8.4.3. Adjacent Processes: Reporting and Assessment
8.5. IT Project Management 8.5.1. General Methodology 8.5.2. Agile Manifesto 8.5.3. SRUM	8.6. Corporate Social Responsibility in IT Projects 8.7. Finance and Responsible Investment in IT Projects	8.8. Business and the Environment in IT Projects 8.9. Systems and Tools for Responsible Management in IT	8.10. Business Ethics in IT Projects

Module 9. Financial Supply Chain Management

9.1. Global Economic Environment

- 9.1.1. The Fundamentals of the Global Economy
- 9.1.2. The Globalization of Companies and Financial Markets
- 9.1.3. Growth & Development in Emerging Markets
- 9.1.4. International Monetary System

9.2. Financial Accounting in Supply Chain Management

- 9.2.1. Situation Balance
- 9.2.2. Losses and Gains
- 9.2.3. Ratio Interpretation

9.3. Accounting Management in the Supply Chain

- 9.3.1. Measurable: Productivity
- 9.3.2. Efficiency and Profitability
- 9.3.3. Ratios and Management

9.4. Analysis and Financial Planning of the Supply Chain

- 9.4.1. Definitions
- 9.4.2. Planning
- 9.4.3. Examples of Financial Planning

9.5. Financial Diagnosis

- 9.5.1. Indicators for Analyzing Financial Statements
- 9.5.2. Profitability Analysis
- 9.5.3. Economic and Financial Profitability of a Company

9.6. Economic Analysis of Decisions

- 9.6.1. Budget Control
- 9.6.2. Competitive Analysis. Comparative Analysis
- 9.6.3. Decision-Making. Business Investment or Divestment

9.7. Key Financial Aspects in Operations Management in the Supply Chain

- 9.7.1. Introduction to Order Preparation
- 9.7.2. Key Aspects
- 9.7.3. Ratio Interpretation

9.8. Tools for Operations Management in the Supply Chain in Times of Crisis

- 9.8.1. Definition of Tools and Benefits
- 9.8.2. Management Tools
- 9.8.3. Market Operations

9.9. Profitability and Efficiency of Logistics Chains: KPIS

- 9.9.1. Profitability and Efficiency of Mediations
- 9.9.2. General Indicators of Logistic Chains
- 9.9.3. Specific Indicators

Module 10. Operative Strategy and LEAN Management Methodologies

10.1. Lean Management

- 10.1.1. The Basic Principles of Lean Management
- 10.1.2. Improvement and Problem-Solving Groups
- 10.1.3. New Forms of Maintenance and Quality Management

10.2. Implantation of the *Global Lean* Methodology

- 10.2.1. Lean Methodology
- 10.2.2. Implementation Processes
- 10.2.3. Continuing Improvement

10.3. Process Improvement and Rapid Response Manufacturing (RRM) Techniques

- 10.3.1. Identifying Points for Improvement
- 10.3.2. BPM, Simulation and Digital Twin
- 10.3.3. Choosing the Necessary Tool

10.4. Innovation and Product Engineering in Logistics Organizations and Product Development

- 10.4.1. Aspects to Consider
- 10.4.2. Organizations and Market Development
- 10.4.3. Market Options

10.5. Total Quality Management and Advanced Management of Logistics Projects

- 10.5.1. Assessment of Total Quality
- 10.5.2. Identifying Points for Improvement
- 10.5.3. Advanced Project Management

10.6. Market Trends Analysis in Logistics

- 10.6.1. Trend Analysis
- 10.6.2. Guidelines
- 10.6.3. Market Options

10.7. IS Trend Analysis

- 10.7.1. IS Latest Trend Analysis
- 10.7.2. Tools
- 10.7.3. Market Options



07

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.



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

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.

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 relearn). 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 elearning, 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.

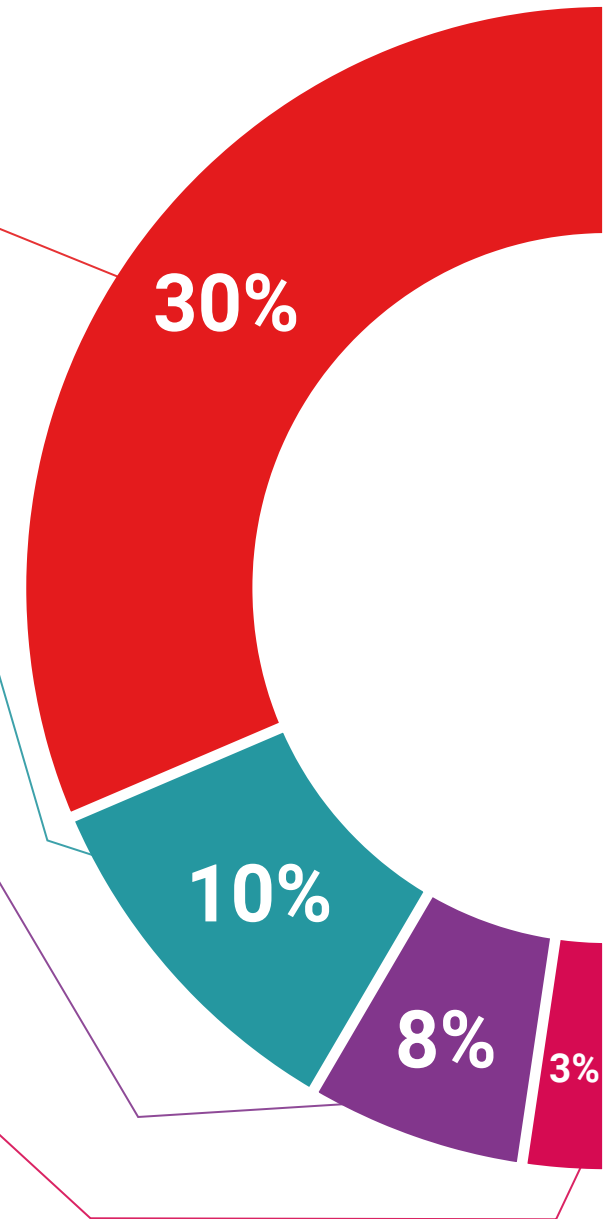
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

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.



08

Our Students' Profiles

The MBA in Logistics and Operations Management (COO, Chief Operating Officer) is a program aimed at professionals in the field of logistics who want to update their knowledge, discover new ways to manage a supply chain and advance in their professional career. All this, with the intention of achieving a managerial role within their workplace.

This program uses a multidisciplinary approach as the students have a diverse set of academic profiles and represent multiple nationalities.



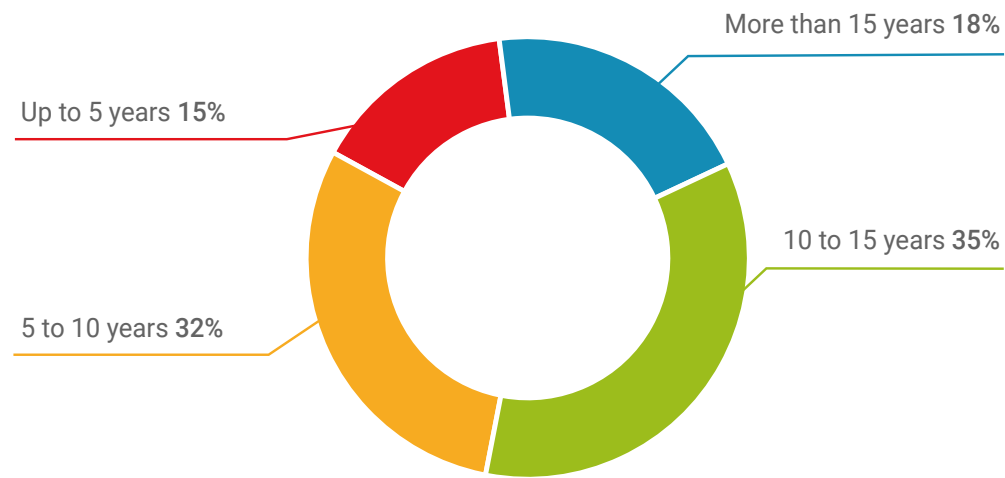
“

If you have experience in the logistics sector, and are looking for an interesting career boost while continuing to work, then this is the program for you"

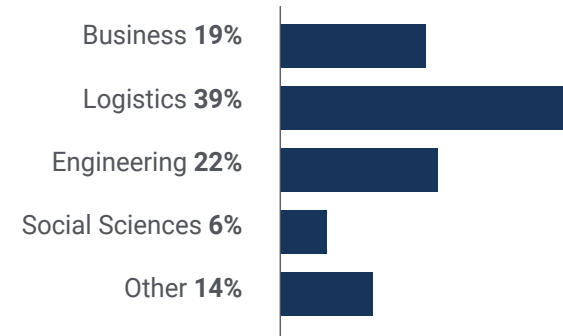
Average Age

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

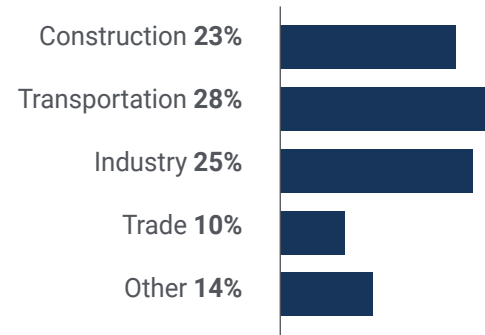
Years of Experience



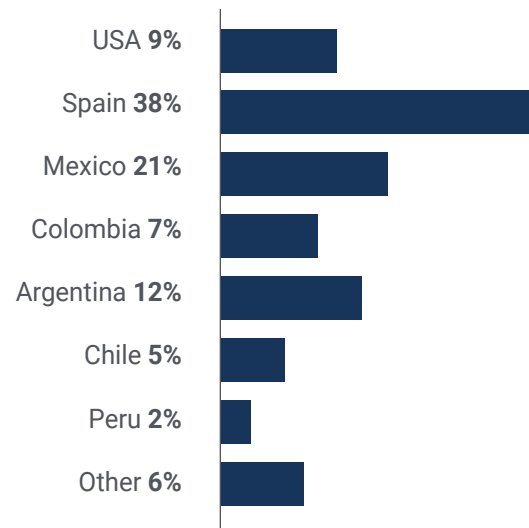
Training



Academic Profile



Geographical Distribution



Ana Rubio

Logistics Manager

"Logistics Management is a sector which requires high-level specialist training. For that reason, after several years working in this field, I decided to broaden my skill set to be able to climb the professional ladder and gain a managerial position. At TECH I found the most appropriate program adapted to my needs, which is why I didn't hesitate for one moment and decided to sign up for the course. Without a doubt it has been one of the best decisions of my life on a educational level, since thanks to this course, I work in a role adapted to the knowledge I gained"

09

Course Management

The teaching staff on the program includes leading experts in everything related to logistics management, who apply their years of experience to this program, making it a unique and highly nourishing academic experience for the student.



“

Learn the latest trends in logistics and operations from leading professionals and become an expert in the field"

International Guest Director

Mahmoud Shama is an executive with extensive experience in supply chain leadership and management. His track record is internationally recognized for his ability to implement comprehensive strategies that optimize costs, drive efficiencies, ensure regulatory compliance and deliver a high level of service quality and customer satisfaction.

In his professional career dedicated to the field of logistics, he has worked in a variety of tasks. These include demand and supply planning, as well as the application of S&OP keys, inventory control, purchasing, warehousing, network analysis, among others. At the same time, this expert is characterized by an unquestionable capacity for leadership and motivation of the employees under his charge. As a result, he has become a reference for the most important multinationals in the world.

With Red Bull, Mahmoud Shama has held various positions, mainly as Senior Supply Chain Director. Specifically, he has been dedicated to improving forecast accuracy and minimizing waste. At the same time, he has ensured the development of rigorous inventory management.

Other corporations where this specialist has worked include Mondelēz International, as Director of Demand Planning for North America and as Senior Manager of Customer Service and Logistics. From these positions he has directed XC&L's global strategy, also overseeing the outsourced manufacturing of some of the brand's most distinctive products. In addition, his experience in other brands such as Johnson & Johnson, Kraft Foods Group, Cadbury or PepsiCo, has allowed him to accumulate knowledge and direct perspectives on the different methodologies and technologies that promote more productive and organized operating environments. Moreover, this executive holds an MBA in Business, which, coupled with his technical expertise, reinforces his business acumen.



D. Shama, Mahmoud

- Senior Director of Supply Chain, Red Bull, California, USA
- Director of Demand Planning for North America at Mondelēz International
- Director of Global Planning and S&OP at Johnson & Johnson
- Director of Customer Service and Logistics at Mondelēz International
- Director of Product Supply and S&OP Leader at Kraft Foods Group
- Planning, S&OP and MENA Project Manager at Cadbury
- Director of Materials Planning and Purchasing at PepsiCo
- MBA in Business at Maastricht School of Management
- B.Sc. in Mechanical Engineering from the American University in Cairo

“

Thanks to TECH, you will be able to learn with the best professionals in the world”

Management



Bassoumi, Shukri

- General Manager of Exos Solutions
- Telecommunications Engineer
- Has developed his professional career in the field of consultancy
- Experience in Purchasing, Logistics and Operations, managing a large number of projects
- Currently General Manager of Exos Solutions, Engineering Consultant, specializing in the project, team and strategy management



Impact on Your Career

We are aware that studying a program like this entails great economic, professional and, of course, personal investment. The ultimate goal of this great effort should be to achieve professional growth. And, therefore, we put all our efforts and tools at your disposal so that you acquire the necessary skills and abilities that will allow you to achieve this change.





“

At TECH we are fully committed to helping you achieve the professional change you want"

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

The MBA in Logistics and Operations Management (COO, Chief Operating Officer) from TECH is an intense program that prepares you to face challenges and business decisions at the logistic level, in a global manner. The main objective is to promote your personal and professional growth. Helping you achieve success.

If you want to improve yourself, make a Generating Positive Change at a professional level, and network with the best, then this is the place for you.

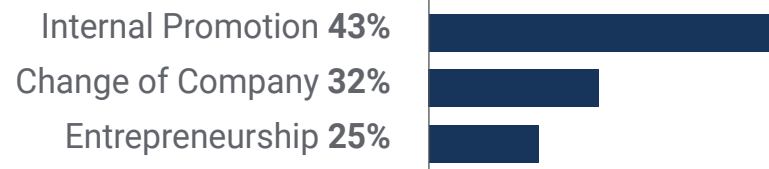
Do not miss the opportunity to train with us and you will find the improvement you were looking for.

If you want to make a positive change in your profession, our academic program will help you achieve it.

When the change occurs



Type of change



Salary increase

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



11

Benefits for Your Company

The MBA in Logistics and Operations Management (COO, Chief Operating Officer) helps raise the organization's talent to its maximum potential by training high-level leaders. Therefore, participating in this academic program will not only improve you on a personal level, but, above all, on a professional level, enhancing your training and improving your managerial skills. Additionally, joining TECH's educational community is a unique opportunity to access a powerful network of contacts in which to find future professional partners, clients, or suppliers.



“

After studying with us you will be able to bring new approaches and strategies to your company that will be a bonus for its development”

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

01

Intellectual Capital and Talent Growth

You will introduce the company to new concepts, strategies, and perspectives that can bring about significant changes in the organization.

02

Retaining high-potential executives to avoid talent drain

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

03

Building agents of change

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

04

Increased international expansion possibilities

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



05

Project Development

You will be able to work on a real project or develop new projects in the R&D or Business Development area of your company.

06

Increased competitiveness

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

12 Certificate

The MBA in Logistics and Operations Management (COO, Chief Operating Officer) guarantees you, in addition to the most rigorous and updated training, access to a Professional Master's Degree issued by TECH Global University.





“

*Successfully complete this program
and receive your university degree
without travel or laborious paperwork”*

This program will allow you to obtain your **Executive Master's Degree diploma MBA in Logistics and Operations Management (COO, Chief Operating Officer)** 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.

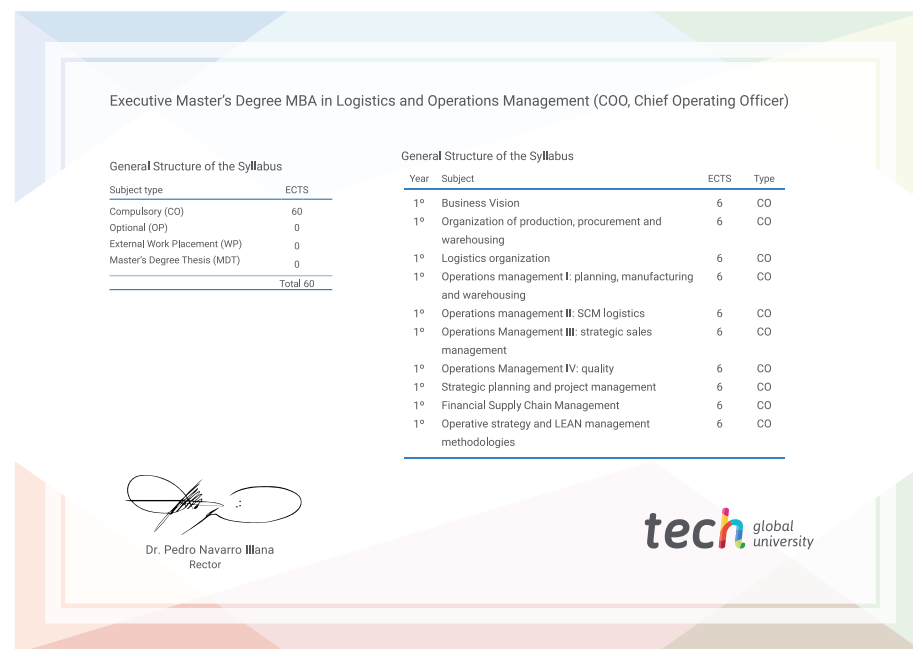
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Executive Master's Degree MBA in Logistics and Operations Management (COO, Chief Operating Officer)**

Modality: **online**

Duration: **12 months**

Accreditation: **60 ECTS**



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



Executive Master's Degree
MBA in Logistics and
Operations Management
(COO, Chief Operating Officer)

- » Modality: **online**
- » Duration: **12 months**
- » Certificate: **TECH Global University**
- » Credits: **60 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**

Executive Master's Degree MBA in Logistics and Operations Management (COO, Chief Operating Officer)

