

Postgraduate Diploma Supply Chain Planning and Execution

P S C P E



Postgraduate Diploma Supply Chain Planning and Execution

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online
- » Target Group: Graduates and professionals with demonstrable experience demonstrated in logistics areas.

Website: www.techtitute.com/us/school-business/postgraduate-diploma/postgraduate-diploma-supply-chain-planning-execution

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01 Welcome

The supply chain of any international business needs capable professionals who know how to manage it correctly, with excellent planning and flawless execution of tasks. This requires a specific set of skills in operational strategy, management methodology and purchasing tactics to ensure a smooth workflow. For this reason, TECH has brought together in this program all these teachings and more complementary skills, so that the trained student can choose to improve their employment and economic position through the advanced knowledge provided by this education.



Postgraduate Diploma in Supply Chain Planning and Execution.
TECH Technological University



“

With this complete TECH program you will be able to get that extra professionalism you were looking for to, at last, stand out in the field of supply chain logistics”

02

Why Study at TECH?

TECH is the world's largest 100% online business school. It is an elite business school, with a model based on the highest academic standards. A world-class centre for intensive managerial skills training.



“

TECH is a university at the forefront of technology, and puts all its resources at the student's disposal to help them achieve entrepreneurial success"

At TECH Technological University



Innovation

The university offers an online learning model that combines the latest educational technology with the most rigorous teaching methods. A unique method with the highest international recognition that will provide students with the keys to develop in a rapidly-evolving world, where innovation must be every entrepreneur's focus.

"*Microsoft Europe Success Story*", for integrating the innovative, interactive multi-video system.



The Highest Standards

Admissions criteria at TECH are not economic. Students don't need to make a large investment to study at this university. However, in order to obtain a qualification from TECH, the student's intelligence and ability will be tested to their limits. The institution's academic standards are exceptionally high...

95% | of TECH students successfully complete their studies



Networking

Professionals from countries all over the world attend TECH, allowing students to establish a large network of contacts that may prove useful to them in the future.

100,000+
executives trained each year

200+
different nationalities



Empowerment

Students will grow hand in hand with the best companies and highly regarded and influential professionals. TECH has developed strategic partnerships and a valuable network of contacts with major economic players in 7 continents.

500+ | collaborative agreements with leading companies



Talent

This program is a unique initiative to allow students to showcase their talent in the business world. An opportunity that will allow them to voice their concerns and share their business vision.

After completing this program, TECH helps students show the world their talent.



Multicultural Context

While studying at TECH, students will enjoy a unique experience. Study in a multicultural context. In a program with a global vision, through which students can learn about the operating methods in different parts of the world, and gather the latest information that best adapts to their business idea.

TECH students represent more than 200 different nationalities.



TECH strives for excellence and, to this end, boasts a series of characteristics that make this university unique:



Learn with the best

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

Teachers representing 20 different nationalities.



At TECH you will have access to Harvard Business School case studies."



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 *Re-learning* methodology (the most internationally recognized postgraduate learning methodology) with Harvard Business School *case studies*. A complex balance of traditional and state-of-the-art methods, within the most demanding academic framework.



Economy of Scale

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

03

Why Our Program?

Studying this TECH program means increasing the chances of achieving professional success in senior business management.

It is a challenge that demands effort and dedication, but it opens the door to a promising future. Students will learn from the best teaching staff and with the most flexible and innovative educational methodology.



“

We have highly qualified teachers and the most complete syllabus on the market, which allows us to offer you training of the highest academic level".

This program will provide students with a multitude of professional and personal advantages, particularly the following:

01

A significant career boost

By studying at TECH, students will be able to take control of their future and develop their full potential. By completing this program, students will acquire the skills required to make a positive change in their career in a short period of time.

70% of participants achieve positive career development in less than 2 years.

02

Develop a strategic and global vision of companies.

TECH offers an in-depth overview of general management to understand how each decision affects each of the company's different functional areas.

Our global vision of companies will improve your strategic vision.

03

Consolidate the student's senior management skills

Studying at TECH means opening the doors to a wide range of professional opportunities for students to position themselves as senior executives, with a broad vision of the international environment.

You will work on more than 100 real senior management cases.

04

Take on new responsibilities

The program will cover the latest trends, advances and strategies, so that students can carry out their professional work in a changing environment.

45% of graduates are promoted internally.

05

Access to a powerful network of contacts

TECH connects its students to maximize opportunities. Students with the same concerns and desire to grow. Therefore, partnerships, customers or suppliers can be shared.

You will find a network of contacts that will be instrumental for professional development.

06

Thoroughly develop business projects.

Students will acquire a deep strategic vision that will help them develop their own project, taking into account the different areas in companies.

20% of our students develop their own business idea.

07

Improve soft skills and management skills

TECH helps students apply and develop the knowledge they have acquired, while improving their interpersonal skills in order to become leaders who make a difference.

Improve your communication and leadership skills and enhance your career.

08

Be part of an exclusive community

Students will be part of a community of elite executives, large companies, renowned institutions, and qualified professors from the most prestigious universities in the world: the TECH Technological University community.

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

04

Objectives

The objective of this program is to instruct its students in the most advanced lessons in supply chain planning and execution. As a result, graduates have the skills and knowledge to successfully manage business projects in this sector, expanding both their economic and employment prospects.



“

TECH guarantees you a professional and labor improvement after completing this degree. Think no more and enrol with us”

TECH makes the objectives of its students its own.
We work together to achieve them.

Postgraduate Diploma in Supply Chain Planning and Execution to train students to:

01

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

02

Proper planning at all stages of the supply chain to improve effectiveness and reduce errors

03

Apply the Lean Management concepts throughout the supply chain





04

Implement tools for operational and economic control of business procedures

05

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

06

Compete through process innovation

05

Structure and Content

TECH uses the most innovative and effective educational methodology in the market so that its students get the most out of these degrees. For this reason, choosing this Postgraduate Diploma is a guarantee of quality when it comes to learning all the necessary knowledge to be an effective logistics manager planner and effective, being a great endorsement when applying for such positions.



“

*Enroll today in this program and
don't wait any longer to achieve that
prosperous future you have in mind"*

Syllabus

The content of the Postgraduate Diploma in Supply Chain Planning and Execution is designed to promote the development of managerial skills that enable more thorough decision-making in uncertain environments.

Over the course of 375 hours, the student analyzes a plethora of practical cases through individual and team work. It is, therefore, an authentic immersion in real business situations.

This Postgraduate Diploma deals in depth with all operational areas of the company and is designed to train managers who understand logistics management and operations from a strategic, international and innovative perspective.

This Postgraduate Diploma takes place over 6 months and is divided into 4 modules:

Module 1 / Supply Chain Planning and Execution Management

Module 2 / Operative Strategy and Management Methodologies

Module 3 / Supply Chain and Demand Management

Module 4 / Strategic Purchasing Management



Where, When and How is it Taught?

TECH offers the possibility of taking this program completely online. Throughout the 6 months of training, the student will be able to access all the contents of this program at any time, allowing them to self-manage their study time.

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

Module 1. Supply Chain Planning and Execution Management

1.1. Production Planning

- 1.1.1. Advanced Techniques and Systems for Production and Quality Management
- 1.1.2. Effective Demand Planning and Demand Management
- 1.1.3. Advanced Sales & Operations Planning
- 1.1.4. Programming and Production Control

1.2. Demand Management Under a Lean perspective

- 1.2.1. Master Planning Plan
- 1.2.2. Lean Design of Product and Process Structures and Process

1.3. Lean Planning

- 1.3.1. Value Stream Map
- 1.3.2. Planning and Scheduling in Lean Systems
- 1.3.3. Lean Planning and Scheduling Techniques

1.4. Planning and Programming Operations

- 1.4.1. Material Planning
- 1.4.2. Resource Planning
- 1.4.3. Distribution Planning
- 1.4.4. Computerized Planning Systems

1.5. Structure and Types of Production

- 1.5.1. Production to Order Characteristics
- 1.5.2. Characteristics of Process-Oriented Production
- 1.5.3. Characteristics of Product-Oriented Production

1.6. Supplier Relationship Management

- 1.6.1. Customer Service Global Management
- 1.6.2. Efficient Consumer Response
- 1.6.3. Customer-Supplier Collaboration Programs and Supplier

Module 2. Operative Strategy and Management Methodologies

2.1. Lean Management

- 2.1.1. The Basic Principles of Lean Management
- 2.1.2. Improvement and Problem-Solving Groups
- 2.1.3. New Forms of Maintenance and Quality Management

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

- 2.2.1. Kaizen, Soifuku, Ishikawa
- 2.2.2. Smed, Shoninka, Shojinka
- 2.2.3. Jidoka, Kanban, Heijunka

2.3. Total Quality Management and Advanced Project Management

- 2.3.1. TQM(Total Quality Management)
- 2.3.2. Six Sigma as a Business Management System
- 2.3.3. EFQM Model

2.4. Lean Manufacturing Diagnosis

- 2.4.1. Operational Strategy and Lean Manufacturing
- 2.4.2. Quantitative Diagnosis
- 2.4.3. Qualitative Diagnosis
- 2.4.4. Lean Assessment Tool

2.5. Lean Manufacturing Tools

- 2.5.1. Quality Improvement Tools
- 2.5.2. Cost Improvement Tools
- 2.5.3. Deadline Improvement Tools
- 2.5.4. Tools for Improving Personnel Involvement

2.6. Policy Deployment Hoshin Kanri

- 2.6.1. Policy Deployment
- 2.6.2. Management Control
- 2.6.3. Balanced Scorecard
- 2.6.4. Management Indicators

Module 3. Supply Chain and Demand Management
3.1. Supply Chain Design and Management

- 3.1.1. Environmental Conditions
- 3.1.2. Competitiveness Factors
- 3.1.3. Innovation, Challenges, and Gaps

3.2. Demand Management and Resource Planning

- 3.2.1. Operations and Supply Chain Analysis by Sector
- 3.2.2. Inventory Management by Reorder Point

3.3. Key Aspects of the Supply Chain

- 3.3.1. Order Penetration Points
- 3.3.2. Inventory Points
- 3.3.3. Customization Points
- 3.3.4. Sales Forecasting Points

3.4. Supply Chain and Customer Service Excellence

- 3.4.1. Efficient Manufacturing and Delivery
- 3.4.2. Excellence in Customer Service as a Competitive Advantage
- 3.4.3. Tools for Measuring Excellence in Customer Service

3.5. Innovation and Product Engineering

- 3.5.1. Product Development Methodology
- 3.5.2. Prototypes

3.6. Organizations and Product Development

- 3.6.1. Systems Engineering
- 3.6.2. Purchasing in Product Development
- 3.6.3. Industrialization and Manufacturing

3.7. Strategic Planning Design throughout the Supply Chain

- 3.7.1. Bottleneck Planning
- 3.7.2. Decoupling Points
- 3.7.3. Pull Systems

3.8. Establishing the Work Sequence

- 3.8.1. Process Grouping in Loops
- 3.8.2. Sizing and Role of Stocks
- 3.8.3. Leveling and Sequencing

3.9. Reverse Logistics and Sustainability

- 3.9.1. Returns, Rejections and Refunds
- 3.9.2. Home Collection Management
- 3.9.3. Storage Management
- 3.9.4. Reverse Flow Traceability

3.10. Customer Service

- 3.10.1. Customer Service as a Winning Strategy
- 3.10.2. Channels of Communication with the Client
- 3.10.3. Integration with the Online Store
- 3.10.4. On-line Service Centers

Module 4. Strategic Purchasing Management
4.1. Strategic Purchasing Management

- 4.1.1. New Challenges in Purchasing, Sourcing and Procurement Management
- 4.1.2. Purchasing Function in Companies and in the Supply Chain
- 4.1.3. Purchasing Function as a Resource Provider
- 4.1.4. Legal Aspects of Purchasing Function

4.2. Lean Management in Purchasing Processes

- 4.2.1. Lean Buying
- 4.2.2. Outsourcing in the SCM
- 4.2.3. Lean Supplying

4.3. Purchasing Strategy Design

- 4.3.1. Externalization
- 4.3.2. Process Outsourcing
- 4.3.3. Globalization
- 4.3.4. Relocation

4.4. Outsourcing-Insourcing

- 4.4.1. Purchasing Models and Processes
- 4.4.2. Segmentation Models
- 4.4.3. Role of e-Procurement

4.5. Strategic Sourcing

- 4.5.1. Supplier Selection and Development
- 4.5.2. Value Generation from Strategic Procurement
- 4.5.3. Logistic Operators in Procurement

4.6. Warehouse Design and Management.

- 4.6.1. Advanced Warehouse Design
- 4.6.2. Picking and Sorting
- 4.6.3. Material Flow Control

4.7. Lean Warehouse

- 4.7.1. The Fundamentals of Lean Warehousing
- 4.7.2. Inventory Management Systems
- 4.7.3. Radio Frequency in Warehouse Design

4.8. Transportation and Distribution Management

- 4.8.1. Coordination Between Transport and Warehousing
- 4.8.2. Logistics Activity Zones (LAZ)
- 4.8.3. Air and Inland Freight Transportation Regulations and Agreements

4.9. Internal Logistics

- 4.9.1. Calculation of Requirements
- 4.9.2. Typology of Warehouses in a JIT System
- 4.9.3. DOUKI SEISAN Supplies
- 4.9.4. Lean Materials Handling

06

Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

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 Re-learning, 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 Business School we use the Harvard 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



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 intensive program of the School of Business of TECH Technological University prepares students to face all the challenges in this area, 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 you will use Harvard *case studies*, with which we have a strategic agreement that allows us to provide our students with material from the best university the world.

“*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.

Re-Learning Methodology

Our university is the first in the world to combine Harvard University case studies with a 100%-online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance Harvard case studies with the best 100% online teaching method: Re-learning.

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 Re-learning.

Our business school is the only one in Spanish-speaking countries 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 Spanish online university indicators.



In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

With this methodology we have trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, markets, and financial instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Re-learning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

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



Management Skills Exercises

They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager needs to develop in the context of the globalization we live in.



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Case Studies

They will complete a selection of the best business cases used at Harvard Business School. Cases that are presented, analyzed, and supervised by the best senior management specialists in Latin America.



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 & Re-testing

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.



07

Our Students' Profiles

This Postgraduate Diploma is aimed at all kinds of logistics or business professionals who want to bring a more organized and planning vision to their organization. This will enable them to highlight their role as key people in the company's organizational chart, which will ensure them a successful management position in the future.





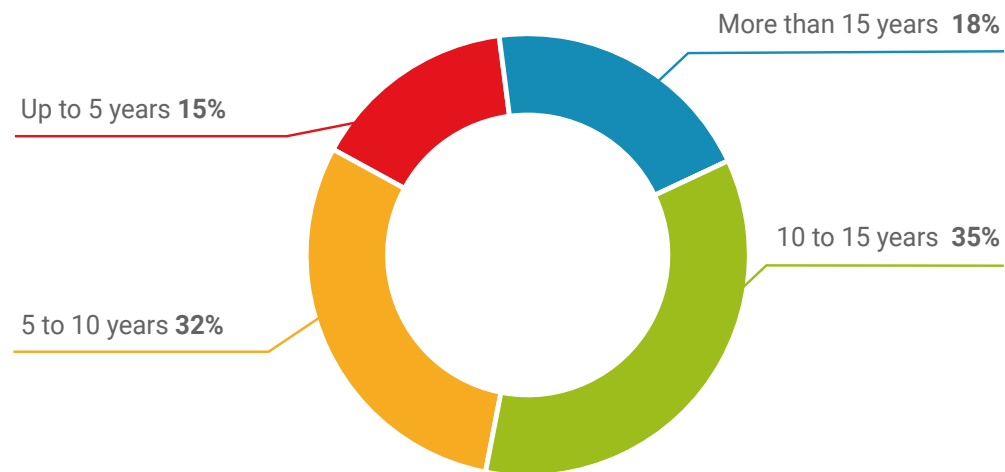
“

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"

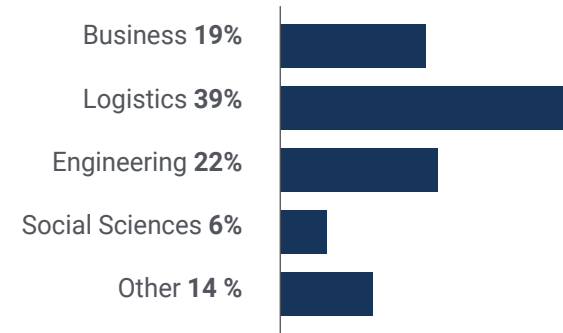
Average Age

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

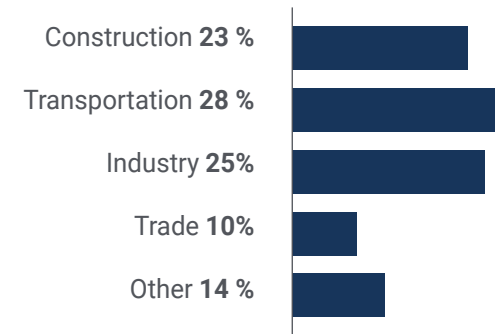
Years of Experience



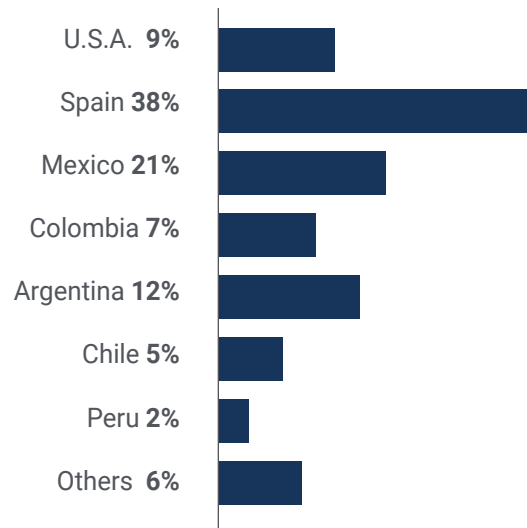
Training



Academic Profile



Geographical Distribution



Luis Sánchez Ortiz

Logistics Manager

"This Postgraduate Diploma has been key in my professional development to achieve the logistical success I had hoped for. Thanks to the help of the teachers, experts in the field, I was able to solve complex problems in my company and gain the trust of my superiors"

08

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"

Management



Mr. 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



09

Impact on Your Career

TECH wants its students to get the most out of their degrees, so that the positive impact on their career paths comes as soon as possible. For this reason, the training includes tactics and secrets of the logistics organization that the student can begin to use even before completing the program, accelerating their process of reaching the most prestigious management positions.



“

*It won't be long before you'll be
in that management position you
can only dream about right now"*

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

The Postgraduate Diploma in Supply Chain Planning and Execution is an intensive program that prepares students to face challenges and business decisions at the logistics level in the field of integrated supply chain management. The main objective is to promote your personal and professional growth, helping you achieve success.

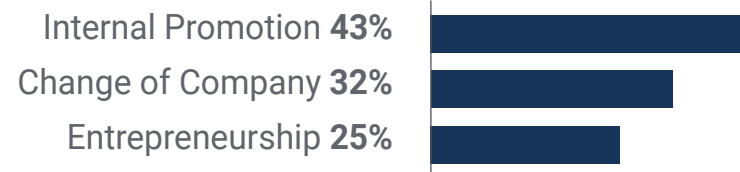
Do not miss the opportunity to train with us and you will find the improvement you were looking for.

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.



10

Benefits for Your Company

The Postgraduate Diploma in Supply Chain Planning and Execution contributes to improving the talent and organization of companies, training high-level managers who know how to effectively manage all parts of the supply chain. In this way, the economic and business results of the organization improve, being an excellent opportunity to increase the overall level of the company.





“

With everything you will learn in this Postgraduate Diploma, you will be prepared for a much more successful working future”

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 field of R&D or Business Development within the company.

06

Increased competitiveness

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

11

Certificate

The Postgraduate Diploma in Supply Chain Planning and Execution guarantees, in addition to the most rigorous and up-to-date training, access to a Postgraduate Diploma issued by TECH Technological University.



“

Successfully complete this training and receive your diploma without travel or laborious paperwork"

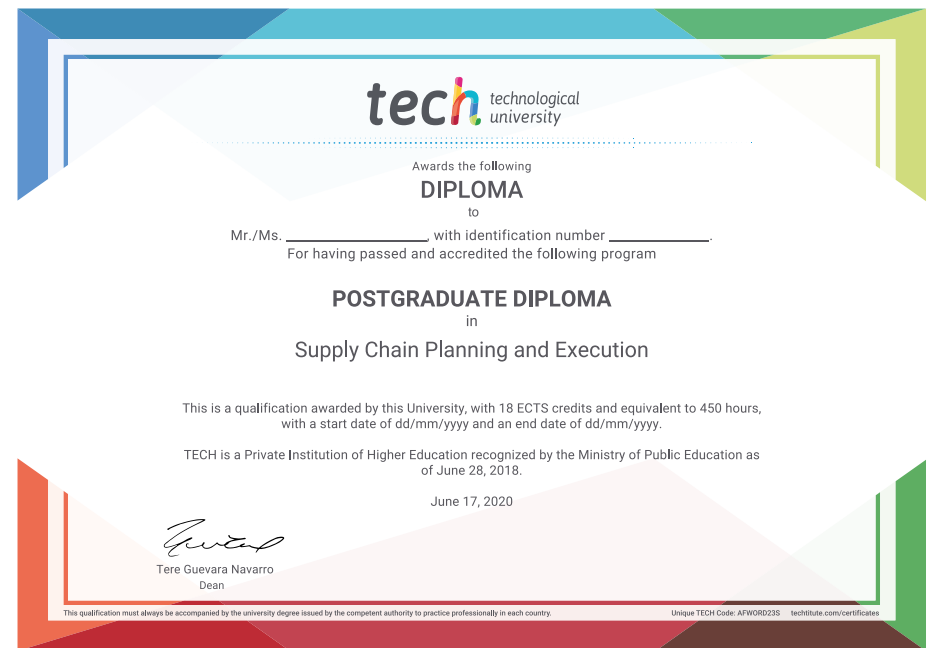
This **Postgraduate Diploma in Supply Chain Planning and Execution** contains the most complete and up-to-date program on the market.

After passing the evaluation, the student , will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional from career evaluation committees.

Title: **Postgraduate Diploma in Supply Chain Planning and Execution**

Official N.º of Hours: **450 hours**.



*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.



Postgraduate Diploma Supply Chain Planning and Execution

- » Modality: **online**
- » Duration: **6 months**
- » Certificate: **TECH Technological University**
- » Dedication: **16h/week**
- » Schedule: **at your own pace**
- » Exams: **online**

Postgraduate Diploma Supply Chain Planning and Execution

