



Postgraduate Diploma

Supply Chain Planning and Execution

» Modality: online

» Duration: 6 months

» Certificate: TECH Global University

» Credits: 18 ECTS

» Schedule: at your own pace

» Exams: online

» Target Group: Graduates and professionals with demonstrable experience demonstrated in logistics areas.

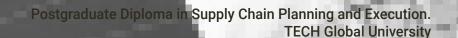
 $We bsite: {\color{blue}www.techtitute.com/us/school-business/postgraduate-diploma/postgraduate-diploma-supply-chain-planning-execution}$

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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.









tech 08 | Why Study at TECH?

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+

200+

executives trained each year

different nationalities



Empowerment

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

500+

collaborative agreements with leading companies



Talent

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

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



Multicultural Context

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

TECH students represent more than 200 different nationalities.



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



Analysis

TECH explores the student's critical side, their ability to question things, their problem-solving skills, as well as their interpersonal skills.



Academic Excellence

TECH offers students the best online learning methodology. The university combines the *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.





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."





tech 12 | Why Our Program?

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



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.



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.



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.



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.



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.



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.



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.



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.





tech 16 | Objectives

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:



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



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



Apply the Lean Management concepts throughout the supply chain







Implement tools for operational and economic control of business procedures

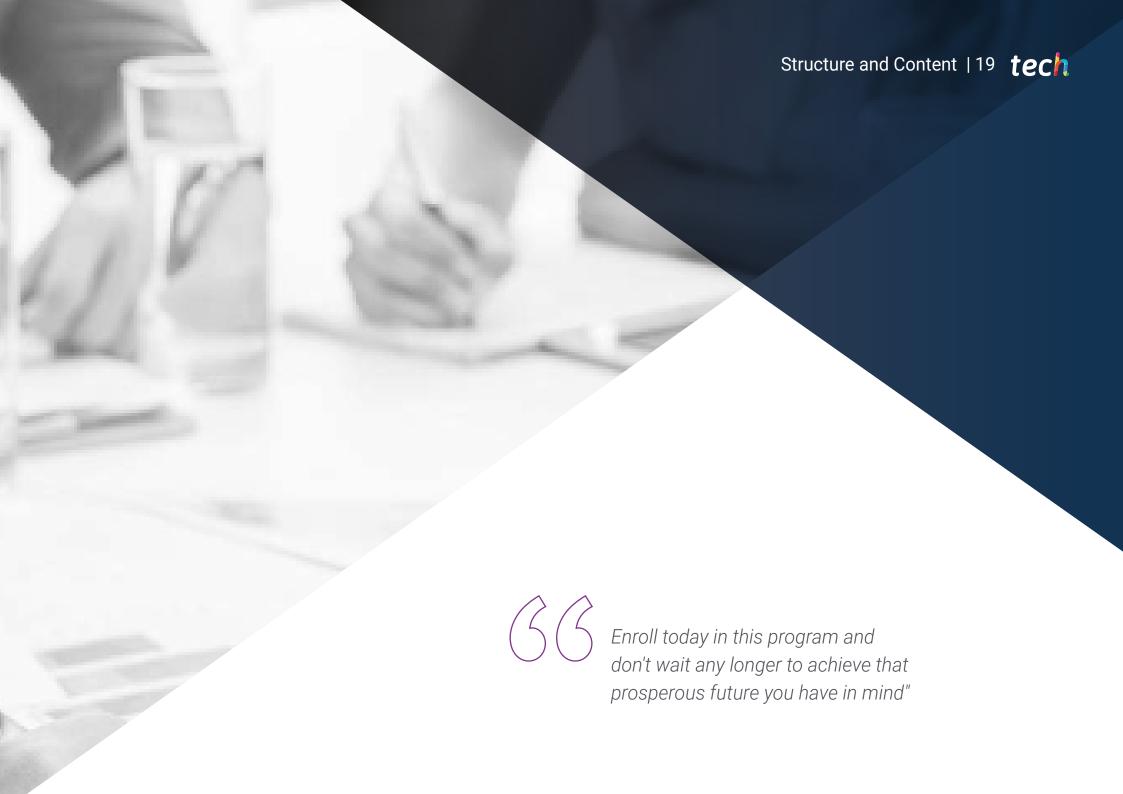


Describe the procedures for establishing decision criteria for process outsourcing, RFQs and signing of logistics service contracts



Compete through process innovation





tech 20 | Structure and Content

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 to access all the contents of this program at any time, allowing them to selfmanage their study time.

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

tech 22 | Structure and Content

Lean Manufacturing Tools

2.5.4. Tools for Improving Personnel Involvement

2.5.1. Ouality Improvement Tools

2.5.3. Deadline Improvement Tools

2.5.2. Cost Improvement Tools

2.6.

Policy Deployment Hoshin Kanri

Policy Deployment

2.6.4. Management Indicators

2.6.2. Management Control

2.6.3. Balanced Scorecard

Module 1. Supply Chain Planning and Execution Management 1.2. Demand Management Under a 1.1. Production Planning 1.3. Lean Planning 1.4. Planning and Programming Lean perspective Operations 1.1.1. Advanced Techniques and Systems for 1.3.1. Value Stream Map Production and Quality Management 1.3.2. Planning and Scheduling in Lean Systems 1.2.1. Master Planning Plan 1.4.1. Material Planning 1.1.2. Effective Demand Planning and Demand 1.3.3. Lean Planning and Scheduling Techniques 1.2.2. Lean Design of Product and Process 1.4.2. Resource Planning Management Structures and Process 1.4.3. Distribution Planning 1.1.3. Advanced Sales & Operations Planning 1.4.4. Computerized Planning Systems 1.1.4. Programming and Production Control 1.5. Structure and Types of Production Supplier Relationship Management 1.5.1. Production to Order Characteristics 1.6.1. Customer Service Global Management Characteristics of Process-Oriented 1.6.2. Eficient Consumer Response 1.6.3. Customer-Supplier Collaboration Programs Production 1.5.3. Characteristics of Product-Oriented and Supplier Production Module 2. Operative Strategy and Management Methodologies

2.2. Process Improvement and Rapid 2.3. Total Quality Management and 2.4. Lean Manufacturing Diagnosis 2.1. Lean Management Response Manufacturing (RRM) Advanced Project Management 2.1.1. The Basic Principles of Lean Management 2.4.1. Operational Strategy and Lean 2.1.2. Improvement and Problem-Solving Groups Techniques Manufacturing 2.3.1. TQM(Total Quality Management) 2.1.3. New Forms of Maintenance and Quality 2.4.2. Ouantitative Diagnosis 2.3.2. Six Sigma as a Business Management 2.2.1. Kaizen, Soifuku, Ishikawa 2.4.3. Qualitative Diagnosis Management System Smed, Shoninka, Shojinka 2.4.4. Lean Assessment Tool 2.3.3. EFQM Model Jidoka, Kanban, Heijunka

Mod	lule 3. Supply Chain and Demand Mana	agemer	nt				
3.1. 3.1.1. 3.1.2. 3.1.3.		3.2. 3.2.1. 3.2.2.	Demand Management and Resource Planning Operations and Supply Chain Analysis by Sector Inventory Management by Reorder Point	3.3. 3.3.1. 3.3.2. 3.3.3. 3.3.4.	Key Aspects of the Supply Chain Order Penetration Points Inventory Points Customization Points Sales Forecasting Points		Excellence
3.5. 3.5.1. 3.5.2.	Innovation and Product Engineering Product Development Methodology Prototypes	3.6. 3.6.1. 3.6.2. 3.6.3.	Purchasing in Product Development	3.7.1. 3.7.2. 3.7.3.	Strategic Planning Design throughout the Supply Chain Bottleneck Planning Decoupling Points Pull Systems	3.8. 3.8.1. 3.8.2. 3.8.3.	Establishing the Work Sequence Process Grouping in Loops Sizing and Role of Stocks Leveling and Sequencing
3.9. 3.9.1. 3.9.2. 3.9.3. 3.9.4.	Home Collection Management	3.10.1 3.10.2 3.10.3	Customer Service Customer Service as a Winning Strategy Channels of Communication with the Client Integration with the Online Store On-line Service Centers				
Mod	lule 4. Strategic Purchasing Manageme	ent					
	Strategic Purchasing Management New Challenges in Purchasing, Sourcing and Procurement Management Purchasing Function in Companies and in the Supply Chain Purchasing Function as a Resource Provider		Lean Management in Purchasing Processes Lean Buying Outsourcing in the SCM Lean Supplying	4.3. 4.3.1. 4.3.2. 4.3.3. 4.3.4.	Purchasing Strategy Design Externalization Process Outsourcing Globalization Relocation	4.4. 4.4.1. 4.4.2. 4.4.3.	3

4.5. Strategic Sourcing

4.5.1. Supplier Selection and Development

4.1.4. Legal Aspects of Purchasing Function

- 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



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.





tech 26 | Methodology

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.





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 Global 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.

tech 28 | Methodology

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.



Methodology | 29 tech

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.



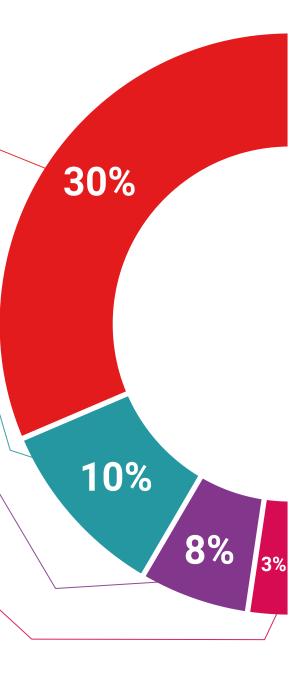
Management Skills Exercises

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.





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.



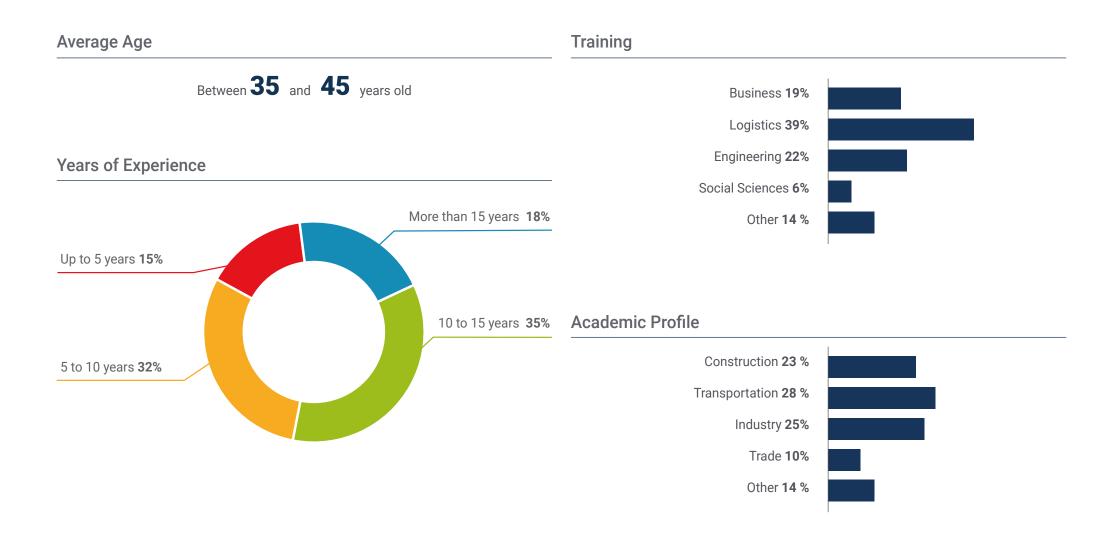


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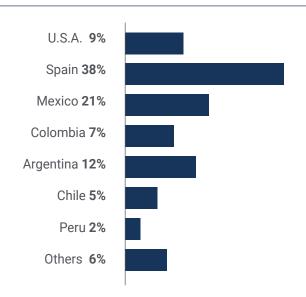




tech 34 | Our Students' Profiles



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"





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.

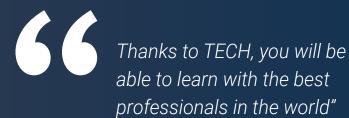
With Red Bull, Mahmoud Shama has held various positions, mainly as Senior Supply Chain Director. Specifically, he has been dedicated to improving forecast accuracy and minimizing waste. At the same time, he has ensured the development of rigorous inventory management.

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 Mondelez International
- Director of Global Planning and S&OP at Johnson & Johnson
- Director of Customer Service and Logistics at Mondelez 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



tech 40 | Course Management

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







tech 44 | Impact on Your Career

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.

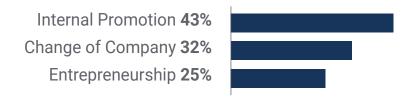
Do not miss the opportunity to train with us and you will find the improvement you were looking for.

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.

\$57,900

A salary increase of

25.22%

\$75,500





tech 48 | Benefits for Your Company

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



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.



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.



Building agents of change

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



Increased international expansion possibilities

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





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.



Increased competitiveness

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







tech 52 | Certificate

This program will allow you to obtain your Postgraduate Diploma in Supply Chain Planning and **Execution** 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 quarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: Postgraduate Diploma in Supply Chain Planning and Execution

Modality: online

Duration: 6 months

Accreditation: 18 ECTS



and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024



^{*}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.



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