

# Postgraduate Certificate

## Lean Six Sigma in Purchasing Processes





## Postgraduate Certificate Lean Six Sigma in Purchasing Processes

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 4 ECTS
- » Schedule: at your own pace
- » Exams: online
- » Target Group: Graduates and professionals with demonstrable experience in fields such as sales, marketing, and other similar areas.

Website: [www.techtute.com/us/school-of-business/postgraduate-certificate/lean-six-sigma-purchasing-processes](http://www.techtute.com/us/school-of-business/postgraduate-certificate/lean-six-sigma-purchasing-processes)

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# 01 Welcome

The Postgraduate Certificate in Lean Six Sigma in Purchasing Processes of TECH Technological University is an intensive program that prepares students to face challenges and business decisions at a financial level in the field of purchasing management through *Lean Six Sigma*. Its main objective is to promote the personal and professional growth of students by helping them to achieve success.



Postgraduate Certificate in Lean Six Sigma in Purchasing Processes  
TECH Technological University



“

*The figure of the upright, inflexible and authoritarian manager has become obsolete. A new profile has emerged, one that is much more in line with new trends and stands out for being technologically savvy, practising active listening and being self-critical of their work"*

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 center for intensive managerial skills education.



“

*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 balances 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.

**+100000**

executives prepared 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 the most rigorous and up-to-date case analyses in academia"*



### 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 (postgraduate learning methodology with the best international valuation) with the Case Study. Tradition and vanguard in a difficult balance, and in the context of the most demanding educational 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.

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 education of the highest academic level”*

This program will provide you with a multitude of professional and personal advantages, among which we highlight the following:

01

### A Strong Boost to Your Career

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 students achieve positive career development in less than 2 years.*

02

### Develop a strategic and global vision of the company

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

*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

### You will 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 fields 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

### You will be part of an exclusive community

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

*We give you the opportunity to study with a team of world-renowned teachers.*

# 04 Objectives

This program is designed to strengthen management and leadership skills, as well as to develop new skills and abilities that will be essential in your professional development. After the program, the student will be able to make global decisions with an innovative perspective and an international vision.



“

*International experience, ethical commitment, and business acumen are some of the most sought-after characteristics in executives in the digital age”*

TECH makes the goals of their students their own goals too.  
Working together to achieve them.

The Postgraduate Certificate in Lean Six Sigma in Purchasing Processes will enable students to:

01

Define strategies based on the Lean Six-Sigma methodology to optimize costs in the purchasing area

02

Develop strategies for Six Sigma management of suppliers and services related to purchasing

03

Describe the Six Sigma methodology, its advantages and value propositions with respect to other management methodologies







04

Apply Lean Six Sigma strategies in order to improve the efficiency of the purchasing department

05

Define the acceptable limits of process variability according to the Lean Six-Sigma methodology

06

Understand the use of Six-Sigma tools in different work environments

05

# Structure and Content

The Postgraduate Certificate in Lean Six Sigma in Purchasing Processes is a tailor-made program that is taught in a 100% online format so that students can choose the time and place that best suits their availability, schedules and interests.

A program that takes place over 6 weeks and is intended to be a unique and stimulating experience that will lay the foundations for your success the students in purchasing management based on the Lean methodology Six Sigma.

The content of the Postgraduate Certificate in Lean Six Sigma in Purchasing Processes is designed to promote the development of managerial skills that enable more rigorous decision-making in uncertain environments.



“

*What you study is very important. The skills and competencies you acquire are fundamental. You won't find a more complete syllabus than this one, believe us"*

## Syllabus

The Postgraduate Certificate in in Lean Six Sigma in Purchasing Processes of TECH Technological University is a tailor-made program that is taught in a 100% online format so that you can choose the time and place that best suits your availability, schedule and interests.

A program that takes place over 6 weeks and is intended to be a unique and stimulating experience that will lay the foundation for your success as a financial manager.

The content of the Postgraduate Certificate in Lean Six Sigma in Purchasing Processes is designed to promote the development of managerial skills that enable more rigorous decision-making in uncertain environments.

Over the course of 100 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 Certificate deals in depth with the techniques and intricacies of commercial management along with the vision of Marketing and branding and is designed to train managers who understand the Commercial and Marketing Management from a strategic, international and innovative perspective.

A plan designed for Students, focused on their professional improvement and preparing them to achieve excellence in the field of Lean management of the purchasing function. A program that understands the student's needs and those of your company, through innovative content based on the latest trends and supported by the best educational methodology and an exceptional faculty, which will provide competencies to solve critical situations in a creative and efficient way.

This Postgraduate Certificate takes place over 6 weeks and is divided into 3 modules:

### Module 1

Six Sigma

### Module 2

Lean for flow optimization

### Module 3

LEAN of Six - Sigma



### Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate Certificate in Lean Six Sigma in Purchasing Processes completely online. During the 6 weeks of the specialization, the student will be able to access all the contents of this program at any time, which will allow the students 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. Six Sigma

### 1.1. Lean Six Sigma in Purchasing Processes

- 1.1.1. Six Sigma Principles
- 1.1.2. Six-Sigma human structure
- 1.1.3. Process Six - Sigma

## Module 2. Lean for flow optimization

### 2.1. Lean Tools for Project Management

- 2.1.1. Quality Improvement Tools
- 2.1.2. Cost Improvement Tools
- 2.1.3. Deadline Improvement Tools
- 2.1.4. Tools for Improving Personnel Involvement

### 2.2. Practical Application of Lean Management: Basic Principles and Rules

- 2.2.1. Identification of Waste in Purchasing and Procurement
- 2.2.2. Practical Application of the 4 Lean Rules

### 2.2.3. Univocal Definition of Subprocesses by Means of SIPOC

## Module 3. LEAN of Six - Sigma

### 3.1. LEAN of Six - Sigma Tools

- 3.1.1. 5W1H
- 3.1.2. Quality Tools
- 3.1.3. Value stream analysis
- 3.1.4. Benchmarking
- 3.1.5. Problem analysis and solution method
- 3.1.6. Other Methods



“

*A complete program that will take you through the knowledge you need to compete among the best”*

# 06

# 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.*



## 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.

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

## 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 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.

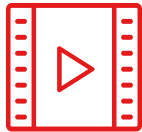
*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

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 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.



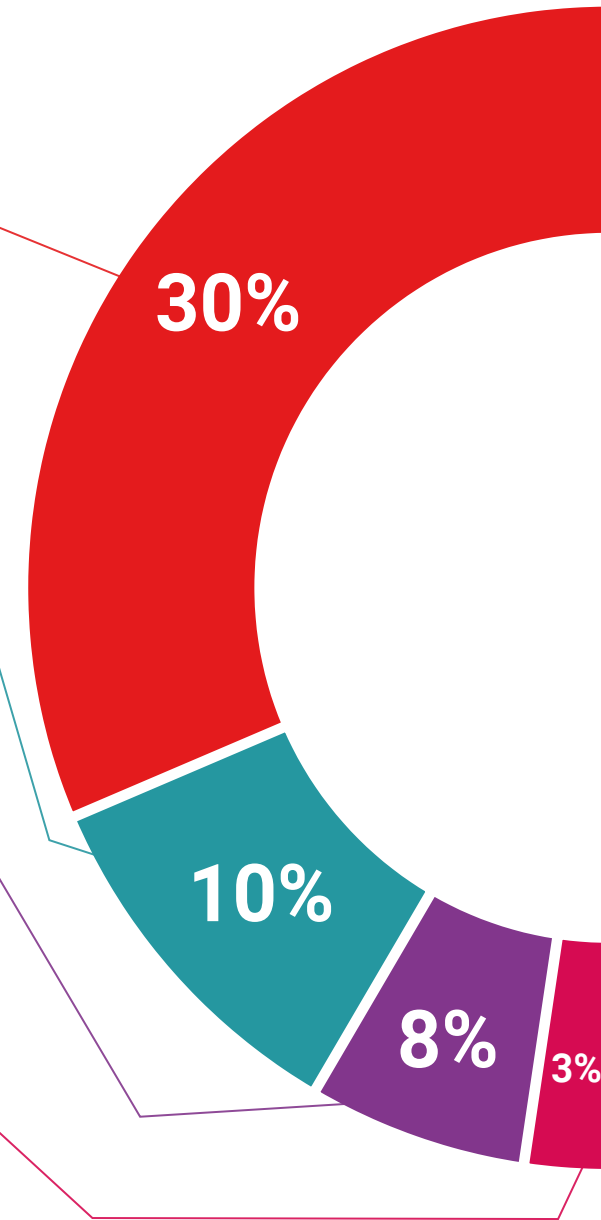
### Management Skills Exercises

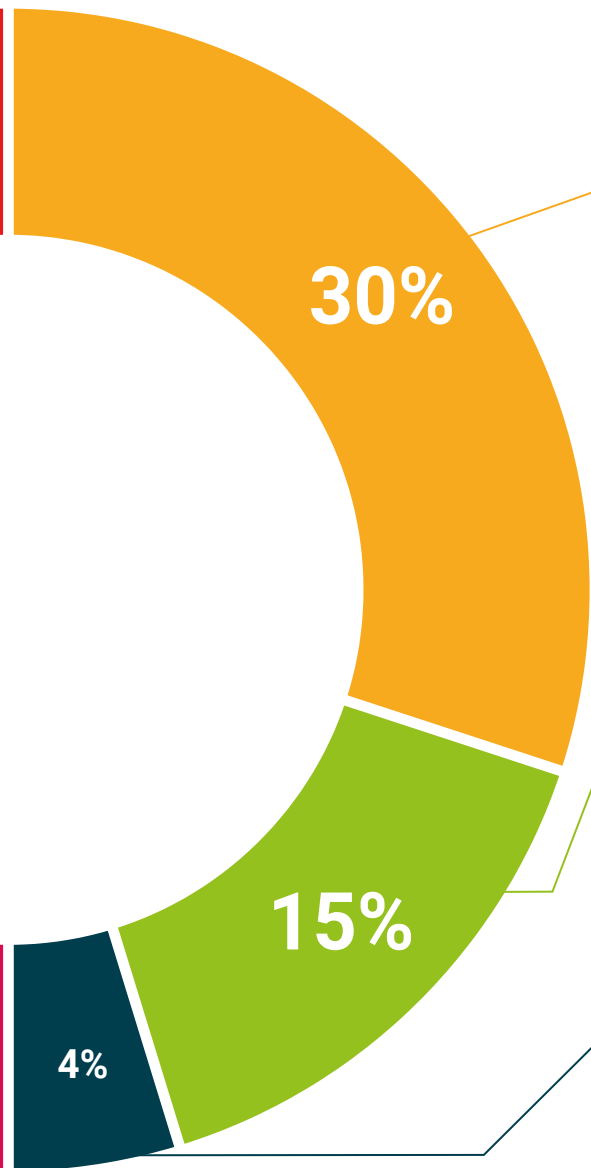
They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager needs to develop in the context of the globalization we live in.



### 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**

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.



07

# Our Students' Profiles

The Postgraduate Certificate in Lean Six Sigma in Purchasing Processes is a program aimed at those professionals in purchasing, sales, commercial, marketing and other related areas who wish to update, strengthen and master the Lean methodology Six Sigma for an efficient use of resources in the purchasing environment and advance in their professional careers.







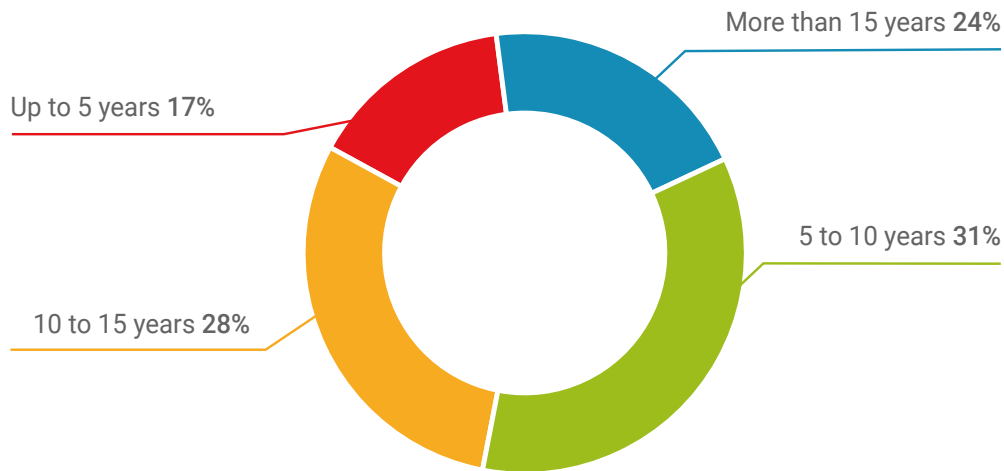
“

*If you have experience in the commercial sector and are looking for an interesting career enhancement while continuing to work, this is the program for you"*

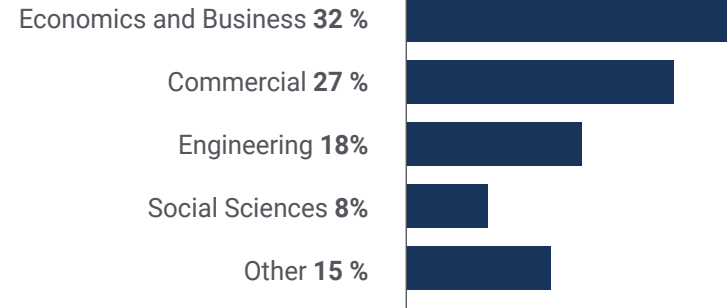
### Average Age

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

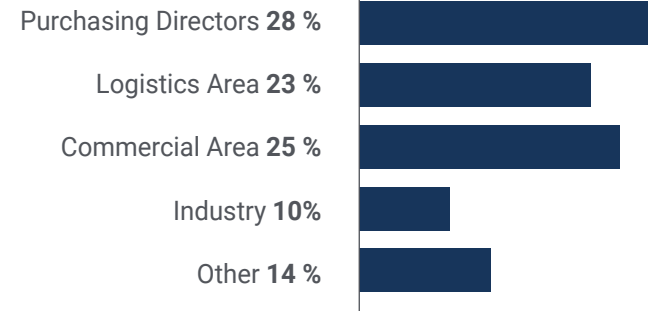
### Years of Experience



### Training

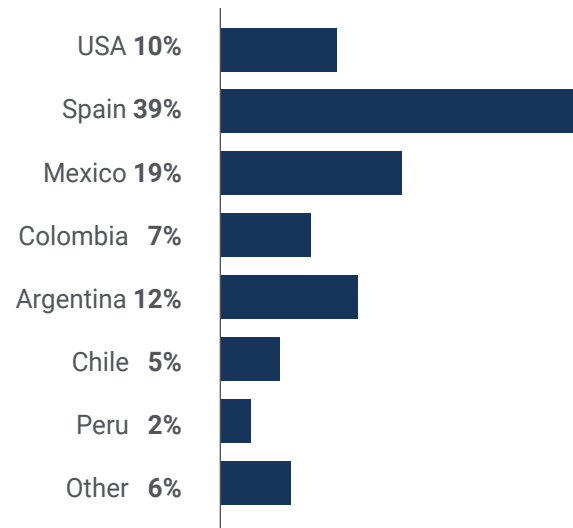


### Educational Profile



## Geographical Distribution

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## Santos Rodríguez

Purchasing Manager of a Multinational Company

*"After completing this TECH program I understood new concepts and strategies about the program field in Lean Six Sigma in Purchasing Processes that I did not study during my undergraduate years. That is why it is good to continue to continue taking specialization programs to keep up-to-date with the main developments in the sector"*

08

# Course Management

In our university we have professionals specialized in each area of knowledge, who pour their work experience into our training programs. A multidisciplinary team with recognized prestige that has come together to offer you all their knowledge on the subject.



“

*Our teaching team will give you the keys to develop you successfully in this field"*

## International Guest Director

Manuel Arens is an experienced data management professional and leader of a highly qualified team. In fact, Arens holds the position of global purchasing manager in Google's Technical Infrastructure and Data Center division, where he has spent most of his professional career. Based in Mountain View, California, he has provided solutions for the tech giant's operational challenges, such as master data integrity, vendor data updates and vendor prioritization. He has led data center supply chain planning and vendor risk assessment, generating improvements in vendor risk assessment, resulting in process improvements and workflow management that have resulted in significant cost savings.

With more than a decade of work providing digital solutions and leadership for companies in diverse industries, he has extensive experience in all aspects of strategic solution delivery, including marketing, media analytics, measurement and attribution. In fact, he has received a number of accolades for his work, including the BIM Leadership Award, the Search Leadership Award, the Lead Generation Export Program Award and the Export Lead Generation Program Award and the EMEA Best Sales Model Award.

Arens also served as Sales Manager in Dublin, Ireland. In this role, he built a team of 4 to 14 members over three years and led the sales team to achieve results and collaborate well with each other and cross-functional teams. He also served as Senior Industry Analyst, Hamburg, Germany, creating storylines for over 150 clients using internal and third party tools to support analysis. He developed and wrote in-depth reports to demonstrate his mastery of the subject matter, including understanding the macroeconomic and political/regulatory factors affecting technology adoption and diffusion.



## Mr. Arens, Manuel

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- Global Procurement Manager - Google, California, United States
- Senior Manager, B2B Analytics and Technology - Google, USA
- Sales Director - Google, Ireland
- Senior Industry Analyst - Google, Germany
- Accounts Manager - Google, Ireland
- Accounts Payable at Eaton, UK
- Supply Chain Manager at Airbus, Germany

“

*Thanks to TECH you will be able to learn with the best professionals in the world"*

## Management



### D. Larrosa Guirao, Salvador

- ◆ Finance Specialist
- ◆ Expert in Market Research, Finance and Risk Analysis
- ◆ University Lecturer

## Professors

### Ms. Gomis Noriega, Silvia

- ◆ Specialist in innovation
- ◆ R&D&I Coordinator
- ◆ Technology Transformation Expert
- ◆ Teacher





09

# 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, for this reason, at TECH we put all our resources at your disposal so that you can acquire the education you need to continue with your learning process and, above all, so that you can achieve the job improvement you desire.





“

*Our main challenge is to help you achieve a better job and, therefore, we compete in quality and professionalism”*

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

TECH's Postgraduate Certificate in Lean Six Sigma in Purchasing processes is an intensive program that prepares to face challenges and decisions at the corporate level. Its main objective is to promote personal and professional growth of students by , helping them to achieve success.

If you want to improve yourself, make a positive change professionally and network with the best, this is the place for you.

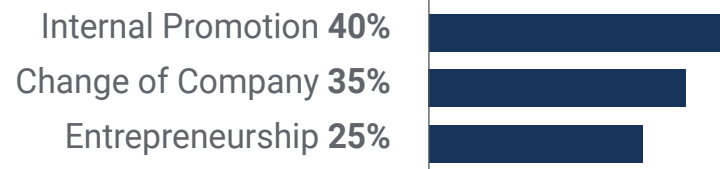
*Immerse yourself  
in the study of this  
complete program and  
get that promotion  
you want so much.*

*Achieve professional  
improvement in a  
short time thanks  
to this quality  
specialization  
offered by TECH.*

#### When the change occurs



#### Type of change



## Salary increase

---

This program represents a salary increase of more than **25.22%** for our students



10

# Benefits for Your Company

The Postgraduate Certificate in Lean Six Sigma in Purchasing Processes contributes to elevate the organization's talent to its maximum potential through the specialization of 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 education 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.



“

*Get up to date with the most effective strategies with the Postgraduate Certificate in Lean Six Sigma in Purchasing processes, and apply them in your daily work”*

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

**01**

### **Growth of talent and intellectual capital**

The professional 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 professional 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**

The professional can work on a real project or develop new projects in the field of R & D or business development of your 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 Certificate in Lean Six Sigma in Purchasing Processes guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



“

*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”*

This private qualification will allow you to obtain a **Postgraduate Certificate in Lean Six Sigma in Purchasing Processes** 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** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Lean Six Sigma in Purchasing Processes**

Modality: **online**

Duration: **6 weeks**

Accreditation: **4 ECTS**





## Postgraduate Certificate Lean Six Sigma in Purchasing Processes

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- » Duration: **6 weeks**
- » Certificate: **TECH Global University**
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# Postgraduate Certificate

## Lean Six Sigma in Purchasing Processes

