

Postgraduate Certificate Operations Management





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- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online
- » Target Group: University graduates and professionals in the field of Business Sciences who would like to further their studies in this area.

Website: www.techtitute.com/us/school-of-business/postgraduate-certificate/operations-management

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01 Welcome

This TECH Diploma in Operations Management focuses on providing business professionals with the necessary skills to manage operations within a company. Therefore, through this training the student will learn to manage the resources necessary to produce the goods and services offered by the organization, satisfying the needs of the customers in a much more effective way and improving the commercial results of the company. These competencies will be a great support for the professional when it comes to entering a labor market that increasingly demands more experts in this area.



Postgraduate Certificate in Operations Management.
TECH Technological University



“

TECH puts in your hands the most complete compendium of contents in the field with a single purpose: To prepare you to work in companies in all sectors while having full knowledge of descriptive statistics”

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:



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.



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"

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

The objectives of this program are based on meeting the format needs of business science professionals in the area of business management in various sectors and at various scales. In this sense, a complete and optimal training program has been realistically established to lead students to academic excellence and encourage them to achieve an efficient progression in their professional careers. Therefore, the training be a journey for students toward both personal and professional growth that will lead them to the highest level of performance as experts in business management.



“

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 Operations Management** qualifies students to:

01

Gain a global and general Perspectives of Surgery management and how to implement it

02

Manage operations management by applying methods, tools and procedures to ensure the quality of product development

03

Evaluate the performance of operations by means of various tests and techniques to ensure their usefulness





04

In-depth knowledge of the design of new products and the processes involved

05

Study the best way of physically distributing operational facilities

06

Analyze inventory management with demand and just in time system

05

Structure and Content

The syllabus for this Postgraduate Certificate has been designed and created by a team of experts in the field to respond specifically to the needs of Business Science professionals. This compendium of content has also been designed with a focus on applied learning, which will allow professionals to successfully intervene by means of a broad vision connected to real environments in the profession. For this reason, this syllabus will become students' main asset to successfully insert themselves into a labor market that increasingly demands more specialized professionals in Operation management.



“

The most complete syllabus on the market with a single purpose: To train the best business administrators”

Syllabus

Undoubtedly, management, administration and company work have advanced and changed considerably in recent years. What remains the same is that sound business management is the only asset an organization has to ensure success given its power to organize, plan, direct and control existing resources within a Operation.

Fully aware of this, TECH experts have designed and created this comprehensive Postgraduate Certificate in Business Management with the objective of training business professionals to optimally and effectively organize schedules, design activities, manage processes as well as human, financial and material resources within any organization.

For this reason, throughout this training, the student analyzes a multitude of case studies through individual and team work that will allow him/her to understand in depth the functioning of Operation Management. This complete immersion into real situations will give them a more complete and effective vision of the sector, which will help them understand how a correct management as managers when it comes to achieving the objectives of any organization at an

Further, the content included in this Postgraduate Certificate in Surgery Management is designed to develop skills that enable more rigorous decision-making in uncertain environments.

This complete compendium of contents that TECH puts in your hand is designed to be taught in 100% digital format. As such, all our students need is an electronic device with an Internet connection to access the largest information bank imaginable. So, they will decide when, how and where to study, so they can balance the rest of their daily activities while they continue their Be.

In summary, This program has been created to allow students to acquire the necessary knowledge in this area in an intensive and efficient manner.

An opportunity to improve training, with the convenience of the most effective online method in the teaching market. That way, TECH is sure to offer students the opportunity to take a program whose academic curriculum incorporates all the knowledge mentioned above.

If you want to improve yourself, achieve a positive change at a professional level, interact with the best through an interesting online universe and belong to the new generation of professionals, able to develop their work anywhere in the world, this may be your path.

This Postgraduate Certificate program is spread out over 6 weeks and is divided into 1 module:

Module 1

Operations Management



Where, When and How is it Taught?

You can do it completely online, wherever and whenever you want and in a connected way, attending our workshops and virtual conferences.

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

Module 1. Operations Management

1.1. Communications Management

- 1.1.1. Concept
- 1.1.2. History
- 1.1.3. Main approaches

1.2. Operations Management

- 1.2.1. Functions
- 1.2.2. Objectives
- 1.2.3. Education

1.3. Strategy management

- 1.3.1. Competencies
- 1.3.2. Strategic Analysis
- 1.3.3. Strengths and Weaknesses

1.4. Design of New Products

- 1.4.1. The Design Process
- 1.4.2. The time factor
- 1.4.3. Design and development techniques

1.5. Selection of New Products

- 1.5.1. Economies of scope
- 1.5.2. Focused factories
- 1.5.3. Efficacy

1.6. New product process design

- 1.6.1. Reengineering
- 1.6.2. Process Automation
- 1.6.3. Evaluation and implementation

1.7. The physical layout of the facilities

- 1.7.1. Types of Plant Layout
- 1.7.2. Facilities Distribution Model
- 1.7.3. Assessment

1.8. The Human Factor

- 1.8.1. Concept and Structure
- 1.8.2. Productivity
- 1.8.3. Ergonomics

1.9. The Human Factor II

- 1.9.1. Safety and Hygiene
- 1.9.2. Incentive plans
- 1.9.3. A Learning Curve

1.10. Quality Management

- 1.10.1. Concept and dimensions
- 1.10.2. Costs and management
- 1.10.3. Awards for excellence

1.11. Short- and medium-term operations planning

- 1.11.1. Concepts
- 1.11.2. Aggregate planning
- 1.11.3. Master Breeding Plan

1.12. Inventory Management

- 1.12.1. The Nature of Inventory
- 1.12.2. Models
- 1.12.3. Economic Journalism

1.13. Inventory management with demand

- 1.13.1. Planning and elements
- 1.13.2. Evolution and valuation

1.14. The Just in Time System

- 1.14.1. Philosophy
- 1.14.2. Elements and Advantages
- 1.14.3. Pull and push systems

1.15. Supply Chain Management

- 1.15.1. Procurement and Logistics
- 1.15.2. Warehouse management
- 1.15.3. Physical distribution

1.16. Project Planning

- 1.16.1. Planning and elements
- 1.16.2. Programming and Control

1.17. IT Project Control

- 1.17.1. and control Programming Techniques
- 1.17.2. Limitations of the CPM/Pert method



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.



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

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch to present executives with challenges and business decisions at the highest level, whether at the national or international level. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and business reality is taken into account.

“ *You will learn, through collaborative activities and real cases, how to solve complex situations in real business environments”*

The case method has been the most widely used learning system among the world's leading business schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question we face in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They must integrate all their knowledge, research, argue and defend their ideas and decisions.

Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

Our online system will allow you to organize your time and learning pace, adapting it to your schedule. You will be able to access the contents from any device with an internet connection.

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our online business school is the only one in the world licensed to incorporate this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.



In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and 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.

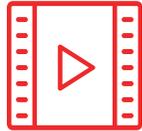
Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

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.



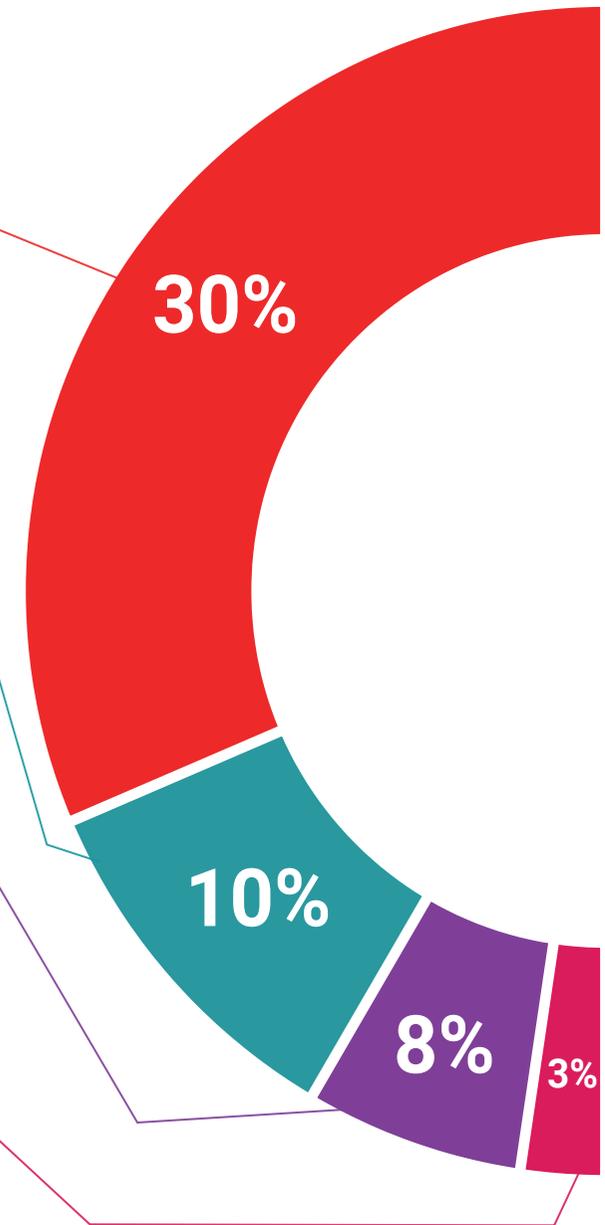
Management Skills Exercises

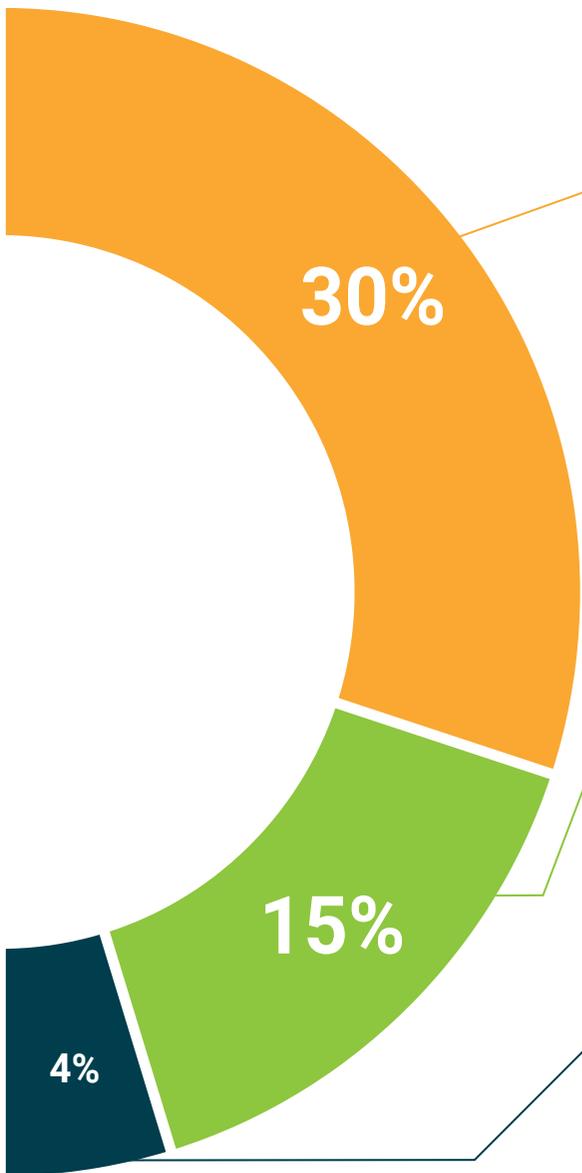
They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager needs to develop in the context of the globalization we live in.



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

This Postgraduate Certificate in Operations Management is a program aimed at Business and Marketing professionals who want to update their knowledge in the area of mathematical operations management applied to business, and advance their professional career towards a promising future in the field. The compendium of knowledge they will acquire after completing this comprehensive program will enable them to practice in the field with guarantees of success and to position themselves as experts in digital entrepreneurship.





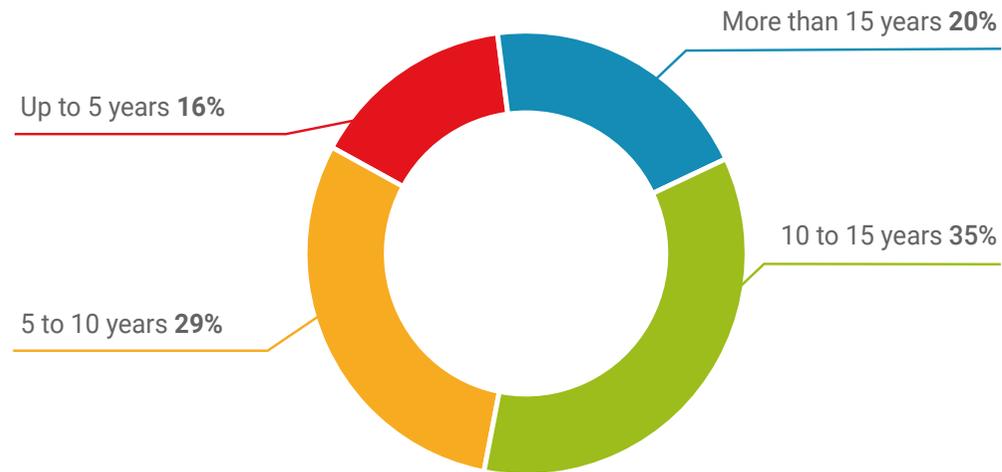
“

If you want to achieve an interesting improvement in your professional career while continuing to work, this is the program for you"

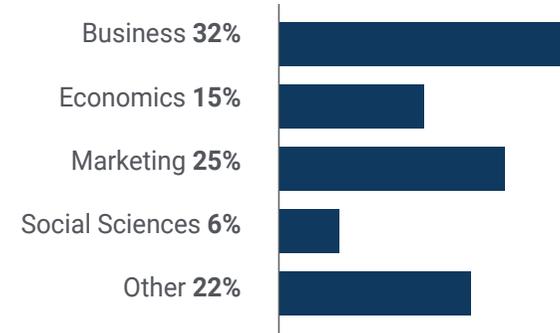
Average Age

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

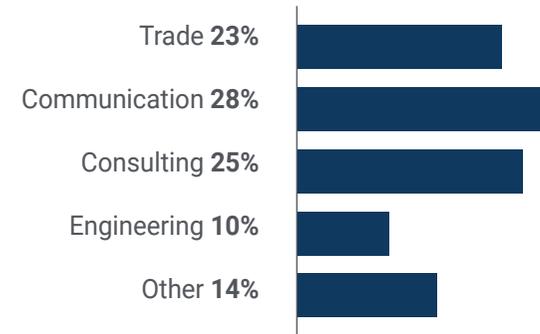
Years of Experience



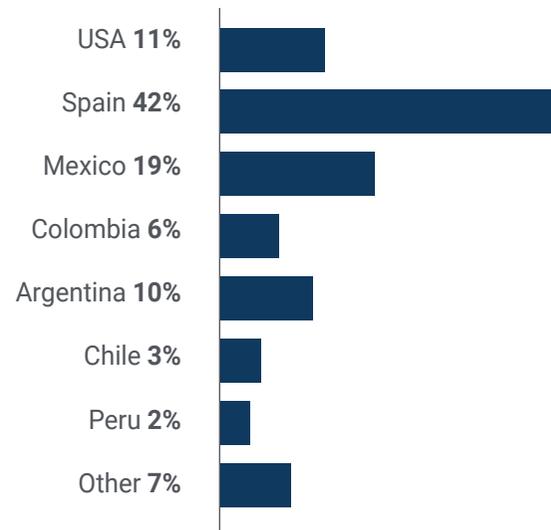
Training



Educational Profile



Geographical Distribution



Francisco Andrade

Administrative and Project Manager

"Being able to manage and lead projects is key and fundamental to success in business. I am aware of this and that led me to take this TECH Diploma and I am completely surprised with the results, especially because I believe that studying through multimedia material always favors learning"

08

Impact on Your Career

We are aware that studying a program like this entails great economic, professional and, of course, personal investment.

The ultimate goal of this great effort should be to achieve professional growth. And, therefore, we put all our efforts and tools at your disposal so that you acquire the necessary skills and abilities that will allow you to achieve this change.





“

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

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

With this program able to drastically advance in your profession, although there is no doubt that, in order to do so, you will have to make an investment in different areas, such as economic, professional and personal.
However, the goal is to improve in your professional life and, to do so, it is necessary to fight.
Generating Positive Change

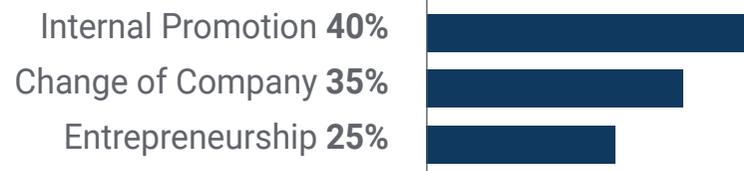
Achieve the change you are looking for in your career by specializing at TECH.

Thanks to this program you will receive a large number of job offers with which you will be able to start your professional growth.

Time of change



Type of change



Salary increase

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



09

Benefits for Your Company

The Postgraduate Certificate in Operations Management contributes to elevate the organization's talent to its maximum potential through the specialization of high-level leaders. Participating in this program is a unique opportunity to access a powerful network of contacts in which to find future professional partners, customers or suppliers.





“

You will be able to contribute new concepts, strategies and perspectives to the company that can bring about essential changes in the organization”

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.

10 Certificate

The Postgraduate Certificate in Operations Management guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



“

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

This **Postgraduate Certificate in Operations Management** contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** by tracked delivery.

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

Title: **Postgraduate Certificate in Operations Management**

Official N° of Hours: **150 h.**



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



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

Postgraduate Certificate Operations Management

