

Postgraduate Certificate Production Planning





Postgraduate Certificate Production Planning

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online
- » Target Group: Graduates and professionals with experience demonstrable in logistics

Website: www.techtute.com/us/school-of-business/postgraduate-certificate/production-planning

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01

Welcome

The Production Planning program at TECH Global University is an intensive study that prepares you to face challenges and business decisions at a logistical level both nationally and internationally. Its main objective is to promote your personal and professional growth, helping you to achieve success. If you want to improve yourself, achieve a positive change at a professional level and interact with the best, this is the place for you.



Postgraduate Certificate in Production Planning
TECH Global University



“

The figure of the upright, inflexible and authoritarian manager has become obsolete. A new profile has emerged, much more in line with the new trends and that stands out for having technological knowledge, practicing 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 Global 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 Global 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 you 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 Production Planning** will enable the students to:

01

Develop strategies to improve the company's profitability

02

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

03

Explain the interactions and impact of operational decisions on the company's production





04

Implement advanced production and quality management techniques and systems

05

Develop advanced Sales & Operations Planning

06

Define who is in charge of ensuring that ethical criteria are met within the company.

05

Structure and Content

The Production Planning program of TECH Global University is a customized study that is taught in a 100% online format so you can choose the time and place that best suits your availability, schedule and interests. A one-month program that aims to be a unique and stimulating experience that will lay the foundations for your success as an expert in information and communication technologies.



“

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

Syllabus

The content of the Postgraduate Certificate in Production Planning is designed to promote the development of managerial skills that enable more rigorous decision making in uncertain environments. Over the course of 180 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 study deals in depth with all operational areas of the company and is designed to train managers and industry experts to understand logistics and operations from a strategic, international and innovative perspective. A plan designed for you, focused on your professional improvement and that prepares you to achieve excellence in the field of technological strategy.

A program that understands both yours and your company's needs through innovative content based on the latest trends, and supported by the best educational methodology and an exceptional faculty, which will provide you with the skills to solve critical situations, creatively and efficiently.

This Postgraduate Certificate takes place over 6 weeks and is made up of just 1 module:

Module 1

Strategic Planning and IT Project Management



Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate Certificate in Production Planning 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. Strategic Planning and IT Project Management

1.1. Global Map of IT Systems (I): ERP, MRP, SGA, MES

- 1.1.1. ERP
- 1.1.2. MRP
- 1.1.3. SGA
- 1.1.4. MES

1.2. Global Map of IT Systems (II): eCommerce, Corporate Web, BI, Simulation, Machine Learning, CMMS,

- 1.2.1. Omnichannel
- 1.2.2. eCommerce
- 1.2.3. Corporate Website
- 1.2.4. BI (Business Intelligence)
- 1.2.5. Machine Learning

1.3. IT Systems: High Availability, Security, Maintenance

- 1.3.1. Security Plan
- 1.3.2. Roles in security management
- 1.3.3. Regulatory compliance
- 1.3.4. Security: Architecture and engineering

1.4. IS strategic planning

- 1.4.1. Introduction to Business Process Management
- 1.4.2. Advantages of BPM implementation
- 1.4.3. Stages for BPM implementation
- 1.4.4. BPM Suites

1.5. IT Project Management

- 1.5.1. Organization of a project (supplier)
- 1.5.2. Organization of a project (customer)
- 1.5.3. PMO
- 1.5.4. Basic execution process
- 1.5.5. Execution process (detail)
 - 1.5.5.1. Environments
- 1.5.6. Time planning
- 1.5.7. Economic valuation

1.6. Corporate Social Responsibility in IT Projects

- 1.6.1. Corporate Social Responsibility
- 1.6.2. Principles of Corporate social responsibility
- 1.6.3. Benefits of Corporate social responsibility
- 1.6.4. Guidelines
- 1.6.5. Measurement of Corporate social responsibility
- 1.6.6. Regulations of Corporate social responsibility

1.7. Finance and Responsible Investment in IT Projects

- 1.7.1. Sustainable finance
 - 1.7.1.1. Sustainable finance products
 - 1.7.1.2. Main functions of sustainable finance
- 1.7.2. Socially responsible investment
 - 1.7.2.1. Economic-financial analysis
 - 1.7.2.2. Initial steps to make a socially responsible investment
 - 1.7.2.3. ESG criteria
- 1.7.3. Examples of international sustainability indices
- 1.7.4. SRI strategies
- 1.7.5. Benefits of SRI investment

1.8. Business and the Environment in IT Projects

- 1.8.1. Climate Change
- 1.8.2. Environmental management
 - 1.8.2.1. Sustainable development and strategy
 - 1.8.2.2. Sustainable enterprise
 - 1.8.2.3. Commitment and environmental diagnosis
 - 1.8.2.4. Environmental initiatives in companies
 - 1.8.2.5. Benefits of being sustainable
- 1.8.3. Examples of companies with environmental initiatives

1.9. Systems and Tools for Responsible Management in IT

- 1.9.1. CSR: corporate social responsibility
- 1.9.2. Essential aspects for implementing a responsible management strategy
- 1.9.3. Steps for the implementation of a corporate social responsibility management system
 - 1.9.3.1. Analyzing the current situation
 - 1.9.3.2. Assessing social responsibilities
 - 1.9.3.3. Design the action program
 - 1.9.3.4. Develop and implement the action plan designed
 - 1.9.3.5. Evaluate and monitor compliance with the CSRs
 - 1.9.3.6. Learning and continuous improvement
- 1.9.4. CSR tools and standards

1.10. Business ethics in IT projects

- 1.10.1. Ethics and business ethics
- 1.10.2. Values of business ethics
- 1.10.3. Characteristics of the code of ethics
- 1.10.4. Benefits of business ethics
- 1.10.5. Are the ethical criteria met?
- 1.10.6. Who is in charge of ensuring that ethical criteria are met within the company?



“

A unique, key and decisive learning experience, to boost your professional development and make the ultimate leap”

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.



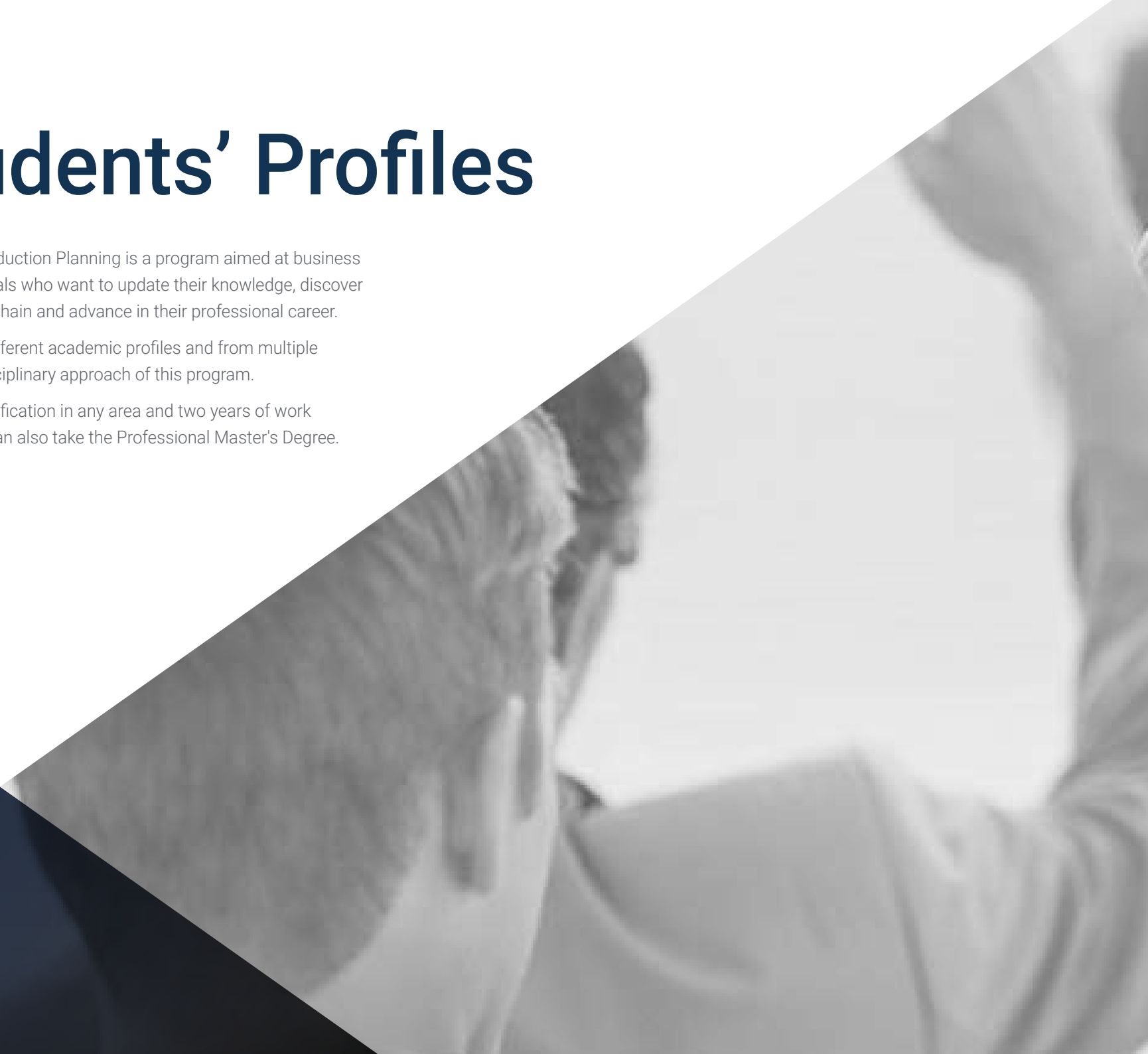
07

Our Students' Profiles

The Postgraduate Certificate in Production Planning is a program aimed at business logistics and operations professionals who want to update their knowledge, discover new ways of managing the supply chain and advance in their professional career.

The diversity of participants with different academic profiles and from multiple nationalities makes up the multidisciplinary approach of this program.

Professionals with a university qualification in any area and two years of work experience in the field of logistics can also take the Professional Master's Degree.





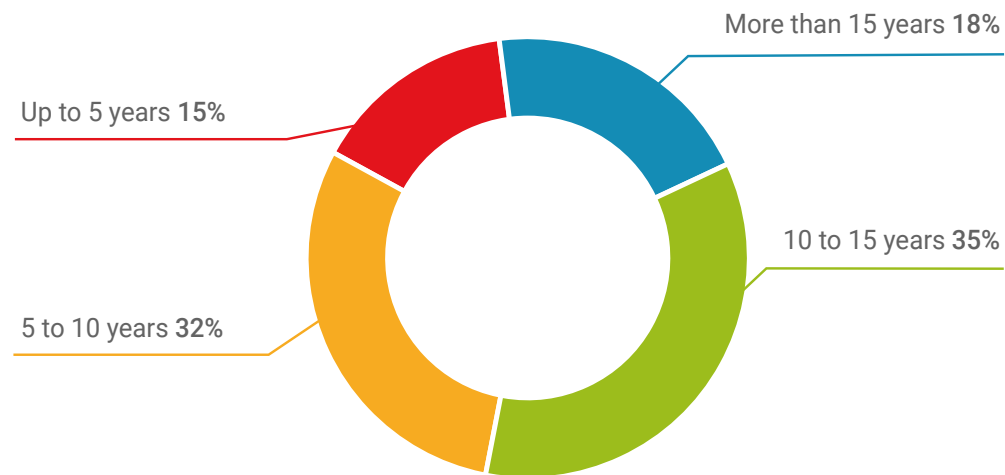
“

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”

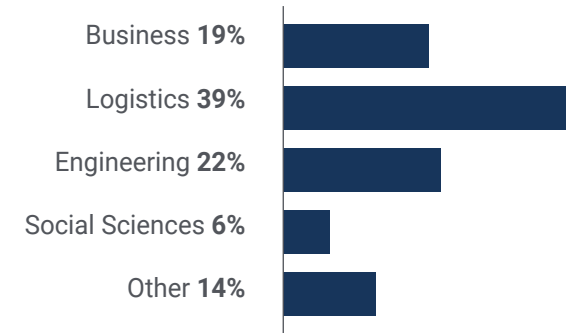
Average Age

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

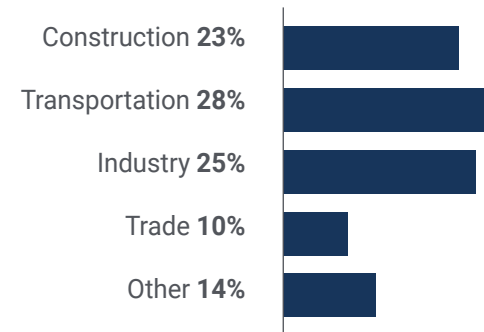
Years of Experience



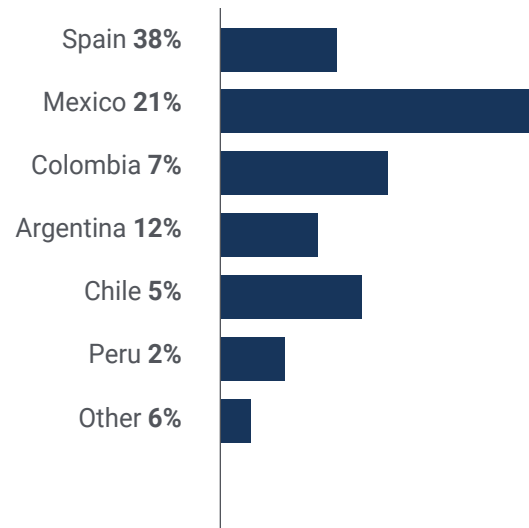
Training



Educational Profile



Geographical Distribution



Olivia Murphy

Logistics Manager

"After years of experience in logistics management, I sought to advance my career and move into management roles, recognizing the need to broaden my knowledge. At TECH, I found a program that matched my goals and needs, resulting in one of the best educational decisions of my life. I now occupy a position commensurate with my skills and knowledge"

08

Course Management

This academic program includes the most specialized teaching staff in the current educational market. They are specialists selected by TECH to develop the whole syllabus. In this way, starting from their own existence and the latest evidence, they have designed the most up-to-date content that provides a guarantee of quality in such a relevant subject.



“

TECH offers the most specialized teaching staff in the field of study. Enroll now and enjoy the quality you deserve”

International Guest Director

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

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

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

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



D. Shama, Mahmoud

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

“

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

08

Impact on Your Career

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

Therefore, the ultimate goal of carrying out this great effort is to achieve professional growth.



“

Our challenge is to generate a positive change in your professional career. We are fully committed to helping you achieve it”

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

TECH's Postgraduate Certificate in Production Planning is an intensive program that prepares you to face challenges and business decisions in the logistics field. The main objective is to promote your personal and professional growth. Helping you achieve success.

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

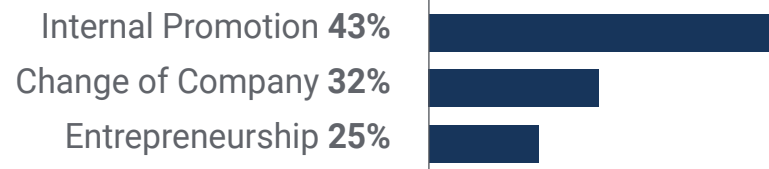
Do not miss the opportunity to train with TECH and you will notice how you will get the improvement you were looking for.

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

Time of change



Type of change



Salary increase

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



09

Benefits for Your Company

This program contributes to elevating the organization's talent to its maximum potential through the instruction of high-level leaders.

In addition, participating in this university option is a unique opportunity to access a powerful network of contacts in which to find future professional partners, customers or suppliers.



“

In the digital era, managers must integrate new processes and strategies that bring about significant changes and organizational development. This is only possible through university training and updating"

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 Production Planning 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 program will allow you to obtain your **Postgraduate Certificate in Production Planning** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

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

Title: **Postgraduate Certificate in Production Planning**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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



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