



# **Executive Master's Degree**Project Management

Language: English
Course Modality: Online
Duration: 12 months

Certificate: TECH Technological University

Official N° of hours: 1,500 h.

Target group: Graduates and professionals

with demonstrable experience in project management.

Website: www.techtitute.com/pk/school-of-business/professional-master-degree/master-project-management

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# 01 **Welcome**

Today's market is constantly changing, so businesses must adapt to new situations in the environment, taking into account consumer tastes, but also their own personal and material resources, as well as the situation of competitors. In this scenario, business strategy alone can do nothing; it must be implemented through well-directed projects in order to make the necessary changes. For this purpose, this program in Project Management covers the most important areas of knowledge in the field: scope, time, costs, risks, procurement, communication and resources. All this complemented with an important financial part, PMO administration and, finally, the use and understanding of agile methodologies. A unique opportunity that will represent a high-quality plus in the education of project managers and directors.











### At TECH Technological University



#### **Innovation**

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

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



### The Highest Standards

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

95%

of TECH students successfully complete their studies



### **Networking**

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

100,000+

200+

executives trained each year

different nationalities



### **Empowerment**

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

500+

collaborative agreements with leading companies



#### **Talent**

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

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



### **Multicultural Context**

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

TECH students represent more than 200 different nationalities.



#### 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 studies in the academic community"

### Why Study at TECH? | 09 tech

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 (a postgraduate learning methodology with the highest international rating) with the Case Study. A complex balance between tradition and state-of-the-art, within the context of the most demanding academic 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 ground-breaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.





### tech 12 | Why Our Program?

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



### A significant career boost

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

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



### Develop a strategic and global vision of companies

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

Our global vision of companies will improve your strategic vision.



### Consolidate the student's senior management skills

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

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



### Take on new responsibilities

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

45% of graduates are promoted internally.



### Access to a powerful network of contacts

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

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



### Thoroughly develop business projects

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

20% of our students develop their own business idea.



### Improve soft skills and management skills

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

Improve your communication and leadership skills and enhance your career.



### Be part of an exclusive community

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

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





### tech 16 | Objectives

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

The Executive Master's Degree in Project Management will train the student to:



Increase the employability of the professional studying this program



Improve knowledge in areas complementary to project: business strategy and financial management



Improve the salary level that professionals have at the time of obtaining this degree





Move from the technical management side to the executive side within organizations



Improve the management of people and high-performance teams



Understand how to manage companies, work and people in environments of high uncertainty



Improve execution capacity



09

Improve creativity



Have a horizontal and vertical vision of the organizations



Know how to work more effectively, in an agile and aligned way, and with new technologies and current tools







Develop the ability to manage several projects at the same time

18)

Know how to distribute workloads of shared resources among several projects



Know how to prioritize and delay projects and ideas within an organization









Understand the relationship between scope, time and cost



Understand how to manage a high-performance team





Learn to communicate in changing environments and crisis environments



Learn to perform tasks in an agile way, minimizing time and eliminating tasks that do not add value



Know how to analyze the income statement of companies



Understand the main financial indicators of organizations



Design and implement PMO structures within an organization







To understand the keys to successful R+D+I management in organizations

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Calculate the viability of a project before its execution



Identify the direct and indirect costs associated with any business activity





### tech 28 | Structure and Content

### **Syllabus**

The Executive Master's Degree in Project Management at TECH Technological University is an intensive program that prepares the student to face challenges and business decisions on national and international levels. Its content is designed to promote the development of managerial skills that enable more rigorous decision-making in uncertain environments.

Over the course of 1,500 study hours, you will analyze a large number of practical cases through individual work, which will allow you to acquire the skills required to develop successfully in daily practice. It is, therefore, an authentic immersion in real business situations.

This program deals in depth with different areas of the company and is designed to specialize managers who understand project management from a strategic, international and innovative perspective.

A plan designed for students that is focused on professional improvement and preparing you to achieve excellence in the field of business management and administration. A program that understands your 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 you with the competencies to solve critical situations in a creative and efficient way.

A program carried out over 12 months and divided into 10 modules:

Module 1	Strategic Project Management
Module 2	Project Scope and Schedule
Module 3	Project Financial Management
Module 4	Recruitment and Project Quality
Module 5	People and Resource Management
Module 6	Innovative Organizations and Projects
Module 7	Agile Methodologies
Module 8	PMO
Module 9	Project Risk Management
Module 10	Project Finances



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

TECH offers the possibility of taking this program completely online. Throughout the 12 months of the program, students will be able to access all the contents of this program at any time, which will allow them to self-manage their studies.

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

### tech 30 | Structure and Content

Mod	ule 1. Strategic Project Management						
1.1.	Strategic Project Management and the Company	1.2.	Competitive Business Strategy	1.3. 1.4.	Corporate Business Strategy Project Management Framework	1.5.	Integration and Knowledge Management
1.6.	Areas of Knowledge in Project Management	1.7.	Project Change Management: Training Management	1.8.	Stakeholder Management	1.9.	Project Communication Management
1.10.	Traditional and Innovative Methodologies						
Mod	ule 2. Project Scope and Schedule						
2.1.	Program and Project Portfolio Management	2.2.	Project Scope Management	2.3.	Requirements Gathering and Scope Definition	2.4.	Breakdown of Project Objective into Activities (WBS)
2.5.	Validate and Control the Scope	2.6.	Strategic Time Planning in Project Management	2.7.	Project Life Cycle	2.8.	Efficient Time and Deadline Planning
2.9. 2.10.	Task Estimation Tools  Schedule Execution and Control						
Mod	<b>ule 3.</b> Project Financial Management						
	Financial Plan	3.2.	Financial Model	3.3.	Project Viability Analysis	3.4.	Project Sensitivity Management
3.5.	Project Cost Management	3.6.	Project Cost Estimation	3.7.	Project Cost Control - EVM	3.8.	Economic Analysis of Decisions
3.9.	MS Project Tools	3.10	Digital Tools and Systems for Project Management				

<b>ule 4.</b> Recruitment and Project Quality	/					
Acquisition Planning	4.2.	Supplier Search Planning	4.3.	Supplier Relationship Management	4.4.	Contract Management and Administration
Project Sale Management	4.6.	Lean Management	4.7.	Process Improvement Techniques	4.8.	Total Quality Management and Advanced Project Management
Lean Tools for Project Management						
<b>ule 5.</b> People and Resource Managem	nent					
Organizational Culture Organization Management	5.3.	Talent Management and Commitment	5.4.	Motivation	5.5.	People Management and the Project Manager
Corporate Responsibility	5.7.	Professional Ethics	5.8.	Executive Skills and Management Techniques of the Project Manager	5.9.	Negotiation
Project Resource Management						
u <b>le 6.</b> Innovative Organizations and Pr	rojects					
Organizational Change Management	6.2. 6.3.	Communication in Organizations Creative Thinking: Innovation	6.4.	Process Engineering and Product Engineering	6.5.	Strategic Innovation Intelligence
Entrepreneurship and Innovation	6.7.	Launch and Industrialization of New Products	6.8.	R&D&I Management Systems	6.9.	Administration and R&D&I Project Management
	Lean Tools for Project Management  ule 5. People and Resource Managem  Organizational Culture  Organization Management  Corporate Responsibility  Project Resource Management  ule 6. Innovative Organizations and Proganizational Change Management	Project Sale Management 4.6.  Lean Tools for Project Management  ule 5. People and Resource Management  Organizational Culture 5.3.  Organization Management  Corporate Responsibility 5.7.  Project Resource Management  ule 6. Innovative Organizations and Projects  Organizational Change 6.2.  Management 6.3.	Project Sale Management  Lean Tools for Project Management  Ule 5. People and Resource Management  Organizational Culture Organization Management  Corporate Responsibility  5.7. Professional Ethics  Project Resource Management  Ule 6. Innovative Organizations and Projects  Organizational Change Management  6.2. Communication in Organizations Management  Entrepreneurship and Innovation  6.7. Launch and Industrialization of New	Project Sale Management  4.6. Lean Management  4.7. Lean Tools for Project Management  Ule 5. People and Resource Management  Organizational Culture Organization Management  Corporate Responsibility  5.7. Professional Ethics  5.8. Project Resource Management  Ule 6. Innovative Organizations and Projects  Organizational Change Management  6.2. Communication in Organizations Management  6.3. Creative Thinking: Innovation  Entrepreneurship and Innovation  6.7. Launch and Industrialization of New  6.8.	Project Sale Management  4.6. Lean Management  4.7. Process Improvement Techniques  Lean Tools for Project Management  Ule 5. People and Resource Management  Organizational Culture Organization Management  Corporate Responsibility  5.7. Professional Ethics  5.8. Executive Skills and Management Techniques of the Project Manager  Project Resource Management  Ule 6. Innovative Organizations and Projects  Organizational Change 6.2. Communication in Organizations Management Tending and Product Engineering  Entrepreneurship and Innovation  6.7. Launch and Industrialization of New 6.8. R&D&I Management Systems	Project Sale Management 4.6. Lean Management 4.7. Process Improvement Techniques 4.8.  Lean Tools for Project Management  Ule 5. People and Resource Management  Organizational Culture 5.3. Talent Management and Commitment  Corporate Responsibility 5.7. Professional Ethics 5.8. Executive Skills and Management Techniques of the Project Manager  Project Resource Management  Ule 6. Innovative Organizations and Projects  Organizational Change 6.2. Communication in Organizations Management 6.3. Creative Thinking: Innovation  Entrepreneurship and Innovation 6.7. Launch and Industrialization of New 6.8. R&D&I Management Systems 6.9.

### tech 32 | Structure and Content

Module 7. Agile Methodologies							
7.1.	Introduction to Agile Methodologies	7.2.	Iterative, Adaptive, Predictive and Hybrid Lifecycles	7.3.	Introduction to Scrum	7.4.	Agile Team Management
7.5.	Scrum Events	7.6.	Artifacts in Scrum	7.7.	Agile Estimating and Planning	7.8.	Metrics
7.9.	Collaborative Tools	7.10.	Organizational Agility				
Module 8. PMO							
8.1.	Introduction to the Project Management Office	8.2.	Functions of the Project Management Office	8.3.	Creating the Conditions for Change Leading Organizational Change	8.4.	PMO Vision and Strategy
8.5.	PMO Model Design	8.6.	PMO Resource Plan	8.7.	PMO Implementation	8.8.	PMO Operation and Tools
8.9.	Project Management Culture and Organization Knowledge Management	8.10.	Agile PMO				

### Structure and Content | 33 tech

Module 9. Project Risk Management			
<ul><li>9.1. Introduction to Risk Management</li><li>9.2. Project Risk Management Planning</li></ul>	9.3. Risk Identification	9.4. Qualitative Risk Analysis	9.5. Risk Prioritization
9.6. Quantitative Risk Analysis	9.7. Scenario Analysis and Risk Response Plans	<ul><li>9.8. Implementation of Risk Response</li><li>9.9. Risk Monitoring and Control</li></ul>	9.10. Lessons Learned and Knowledge Management
Module 10. Project Finances			
10.1. Introduction to Corporate Finance	10.2. Financial Statements and Cash Flows	10.3. Time Value of Money and Discounted Cash Flows	10.4. Fixed Income Valuation
10.5. Equity Valuation	10.6. Financial Investment Criteria:	10.7. Project Analysis	10.8. Risk and Return: The Cost of Capital
. ,	Capital Budgeting		· ·



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.



### tech 36 | Methodology

### 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.





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.

#### tech 38 | Methodology

#### 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.



#### Methodology | 39 tech

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically. With this methodology we have trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, markets, and financial instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

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.

#### tech 40 | Methodology

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.



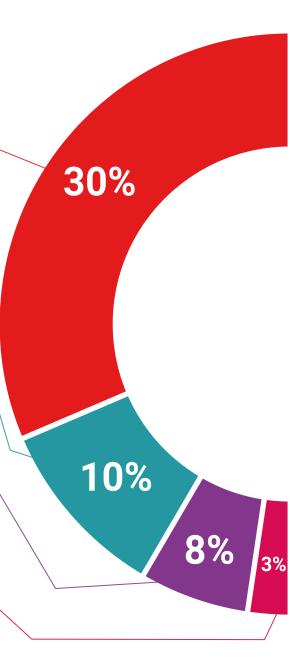
#### **Management Skills Exercises**

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.





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.

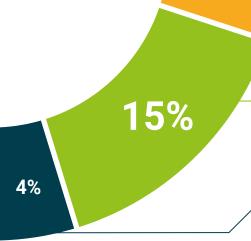


This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

#### **Testing & Retesting**

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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.

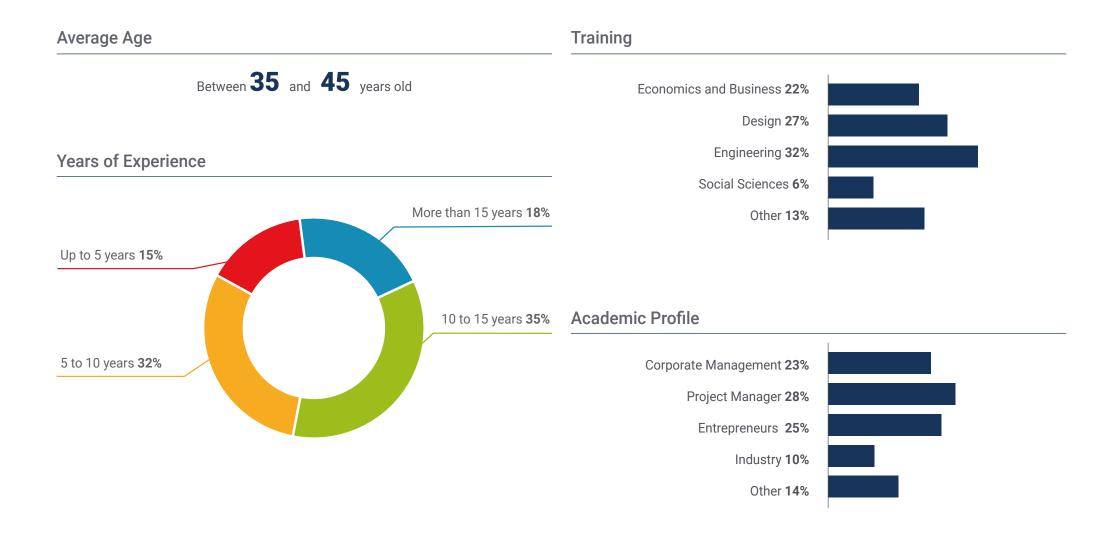


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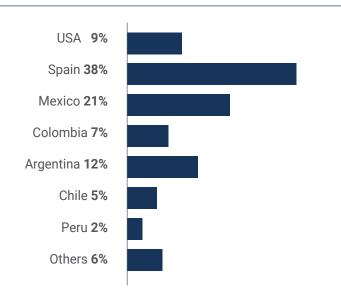




#### tech 44 | Our Students' Profiles



#### **Geographical Distribution**





## Luis Martínez

#### **Project Manager**

"This academic program has provided an excellent opportunity for me to improve my skills as a professional. The best part has been its teaching methodology, which has allowed me to acquire in-depth knowledge on the subject in a practical way, thanks to which I have been able to perform more efficiently at work"





#### tech 48 | Course Management

#### Management



#### Mr. Pampliega, Carlos

- Architect specializing in Project and Risk Management
- Certified Project Management Professional (PMP)
- Professional Scrum Master, certified by Scrum.org
- Active member of PMI-Madrid Spain Chapter. Since 2013
- Director of PMI Castilla y León Branch, the delegation in Castilla y León. 2013
- He regularly participates as a speaker in presentations and courses, as well as in congresses organized by PMI
- Consultant and Trainer in Project Management at different universities and business schools
- Member of the Editorial Board of the scientific journal Building & Management
- Member of the PMO Global Alliance Awards PMO Judges Committee

#### **Professors**

#### Dr. Roji Ferrari, Salvador

- Vice-Dean of International Relations, Faculty of Economics and Business Studies, Complutense University of Madrid
- PhD in Accounting and Finances, at the Complutense University of Madrid. 1997
- Degree in Journalism, Complutense University of Madrid, 1971-1977
- Master of Science in Finance, University of Maryland & Baltimore 1990
- Master in Business Administration (MBA), University of Maryland & Baltimore, 1989
- Professor of the Faculty of Economics and Business Administration, Department of Financial Administration and Accounting. Since 1994
- He has published 6 books on finance and business economics, as well as a multitude of articles and chapters on both divulgation and research







In order to see positive change at a professional level, we need to make an effort and update our knowledge. Don't think twice and enroll with us.

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

The Executive Master's Degree in Project Management at TECH Technological University is an intensive program that prepares you for challenges and business decisions on both national and international levels. Its main objective is to promote your personal and professional growth Helping students achieve success.

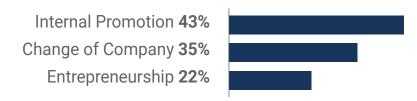
If you want to improve yourself, make a positive change at a professional level and interact with the best, this is the place for you.

TECH is the best option you can find to improve your professional skills.

#### When the change occurs



#### Type of change



#### Salary increase

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

Salary before 57,900 € A salary increase of

25.22%

Salary after **72,500 €** 





### tech 56 | Benefits for Your Company

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



#### **Intellectual Capital and Talent Growth**

Bringing to the company new concepts, strategies and perspectives that can bring about relevant changes in the organization.



## Retaining high-potential executives to avoid talent drain

This program strengthens the link between the company and the executive and opens new avenues for professional growth within the company.



#### **Building agents of change**

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



#### Increased international expansion possibilities

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





#### **Project Development**

Be able to work on a real project or develop new projects in the R&D or Business Development area of your company.



#### Increased competitiveness

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







#### tech 60 | Certificate

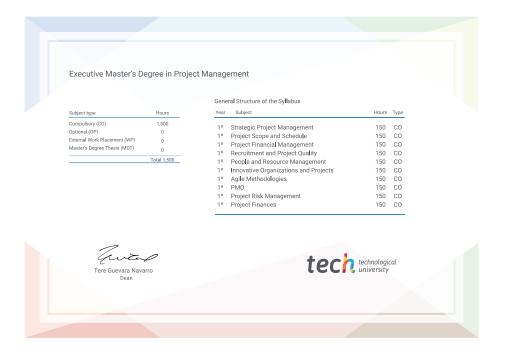
This **Executive Master's Degree in Project Management** contains the most complete and updated program on the market.

After the student has passed the assessments, they will receive their corresponding **Executive Master's Degree** issued by **TECH Technological University** via tracked delivery\*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Executive Master's Degree, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: Executive Master's Degree in Project Management Official N° of hours: 1,500 h.





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



# Executive Master's Degree Project Management

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Course Modality: Online
Duration: 12 months

Certificate: TECH Technological University

Official No of hours: 1,500 h.

