

Postgraduate Certificate Project Life Cycle with Predictive Methodologies



Postgraduate Certificate Project Life Cycle with Predictive Methodologies

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online
- » Target Group: IT professionals who want to specialize in project management with predictive methodologies.

Website: www.techtute.com/pk/school-of-business/postgraduate-certificate/project-life-cycle-predictive-methodologies

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01 Welcome

The project life cycle provides the basic frame of reference for managing a project. Therefore, knowledge of it is essential for project managers, who must control everything that happens from idea to implementation. Although there are various types of life cycle, long-term projects are usually divided into successive phases, the main intention being that, at the close of each phase, the steering committee can either authorize continuation or close the project at that point, which is mainly the case if it is concluded that the business case is no longer being met. In order to offer business professionals a complete vision on this subject, this program addresses the details of the management processes that are carried out throughout the life cycle and that will be common to any predictive methodology. In this way, the student is provided with the concepts of project management according to their needs and tasks to be performed, which will then be carried out following the different guidelines according to the framework or methodology chosen.



Postgraduate Certificate in Project Life Cycle with Predictive Methodologies.
TECH Technological University



“

Learning to analyze the phases of a project with predictive methodologies will allow you to manage it successfully”

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 centre for intensive managerial skills training.



“

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 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+
executives trained 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 (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 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 studies in the academic community"

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 training of the highest academic level"

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

01

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.

02

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.

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

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 areas 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

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.

04

Objectives

TECH has designed this program with the main objective of offering business professionals a unique opportunity to specialize in the life cycle of projects with predictive methodologies. In this way, students will find in this program the most relevant and useful information to apply to their daily work in the management of this type of projects. Undoubtedly, it is a unique study opportunity that will mark a before and after in the education of professionals.



“

*Specialize in the project lifecycle
and get first hand knowledge of
all phases of the project lifecycle”*

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

The **Postgraduate Certificate in Project Life Cycle with Predictive Methodologies** will enable the student to:

01

Determine why it is good practice to divide the project into phases

04

Determine the different types of project development life cycles

02

Analyze the applicable process framework within each phase



03

Examine the specificities of predictive project lifecycles

05

Analyze initiation processes, planning processes and execution processes

06

Examine control processes, governance processes and closure processes

08

Differentiate the life cycle of a project with predictive methodologies from other types of models



09

Address the importance of each activity and the influence that management errors can have on the project as a whole

07

Know how to structure each phase within the project life cycle

10

Have an overview of the life cycle of a project with predictive methodology

05

Structure and Content

The syllabus of this TECH Technological University program includes all the information necessary for business professionals to understand and know first-hand the life cycle of a project. In this way, they will be better qualified to design and manage them. Undoubtedly, it has been structured in such a way that students will be able to manage their own study time according to their learning needs. The main objective is that they learn to participate in all the design phases of a project.



“

A world class syllabus that will be indispensable to improve your qualification"

Syllabus

The Certificate in Project Life Cycle with Predictive Methodologies of TECH Technological University is an intensive program that prepares students to face challenges and business decisions in the field of integrated project management. Its content is designed to promote the development of managerial skills that enable more rigorous decision-making in uncertain environments.

Throughout 150 hours of study, the student will face a multitude of practical cases through individual work, which will allow you to acquire the necessary skills to develop successfully in your 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 for managers to understand project management from a strategic, international and innovative perspective.

A plan designed especially for students, focused on their professional improvement and that prepares them to achieve excellence in the field of leadership and business management. 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 skills to solve critical situations in a creative and efficient way.

This Postgraduate Certificate is developed over 6 weeks and is distributed into 1 module:

Module1

Project Life Cycles in Predictive Methodologies



Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate Certificate in Project Life Cycle with Predictive Methodologies completely online. Over the course of 6 weeks, you will be able to access all the contents of this program at any time, allowing you to self-manage your study time.

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

Module 1. Project Life Cycles in Predictive Methodologies

1.1. Project Development Life Cycles

- 1.1.1. Waterfall Project Development Life Cycles
- 1.1.2. Agile Project Development Life Cycles
- 1.1.3. Hybrid Project Development Life Cycles

1.2. The Generic Life Cycle for Project Management

- 1.2.1. Product Life Cycle vs. Project
- 1.2.2. Phases of a Project
- 1.2.3. Phase Revisions

1.3. Project Start

- 1.3.1. Project Start-up and Definition Issues
- 1.3.2. Act of Incorporation of a Predictive Project
- 1.3.3. Agile Project Charter

1.4. Modelling of Project Management Elements

- 1.4.1. Requirements Planning
- 1.4.2. Work Package Planning
- 1.4.3. Activity Planning

1.5. Complete Project Modelling

- 1.5.1. Scope Baseline
- 1.5.2. Baseline Schedule
- 1.5.3. Baseline Costs and Financing

1.6. Project Management Plan

- 1.6.1. Stakeholder, Communications and Resource Management Planning
- 1.6.2. Quality Management Planning and Procurement
- 1.6.3. Risk Planning

1.7. Direction and Management of Project Execution

- 1.7.1. Leading the Team
- 1.7.2. Involve Stakeholders
- 1.7.3. Knowledge Management
- 1.7.4. Implement Risk Response
- 1.7.5. Quality Management
- 1.7.6. Procurement

1.8. Monitoring and Control of the Technical Performance of the Project

- 1.8.1. Control of Baselines
- 1.8.2. Control of Resources
- 1.8.3. Risk Control
- 1.8.4. Quality Control
- 1.8.5. Procurement Control

1.9. Project Governance

- 1.9.1. Project Governance Structures: PMO, Monitoring Committee and Change Control Committee
- 1.9.2. Monitoring Communications and Stakeholder Engagement
- 1.9.3. Functions of the Project Monitoring Committee
- 1.9.4. Functions of the Project Change Control Committee

1.10. Project or Phase Closure

- 1.10.1. Essential Tasks in Closing
- 1.10.2. The Lessons Learned Register
- 1.10.3. Common Errors in Closing
- 1.10.4. Administrative Closing and Customer Closing
- 1.10.5. Closure and Dissolution of the Project Team



“

A program with a high academic level that stands out for its quality among the rest of the offerings in the market"

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 program is aimed at professionals in the area of project management who already have previous experience, but who have the need to achieve that higher qualification that will offer them a plus of quality and security in their work practice. People who believe in continuous learning as a method to advance in their profession and who are willing to self manage their time to make their studies compatible with their other obligations.





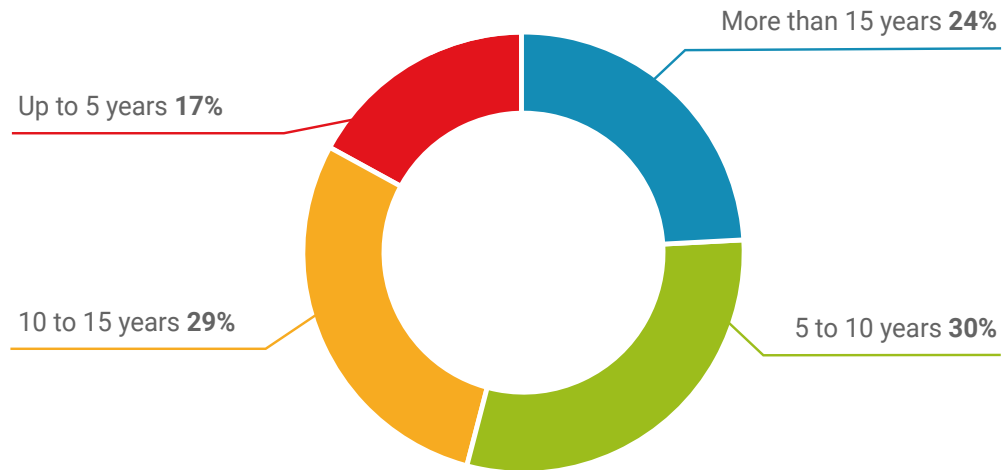
“

A program aimed at people eager to learn and improve professionally, specializing in project management”

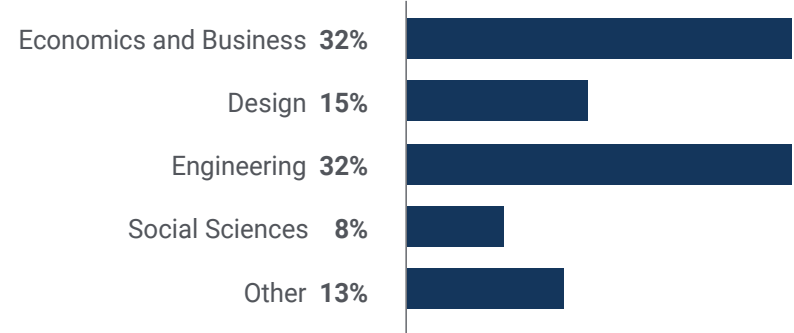
Average Age

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

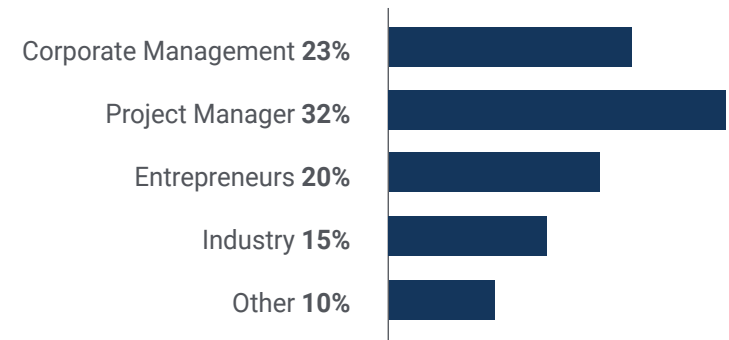
Years of Experience



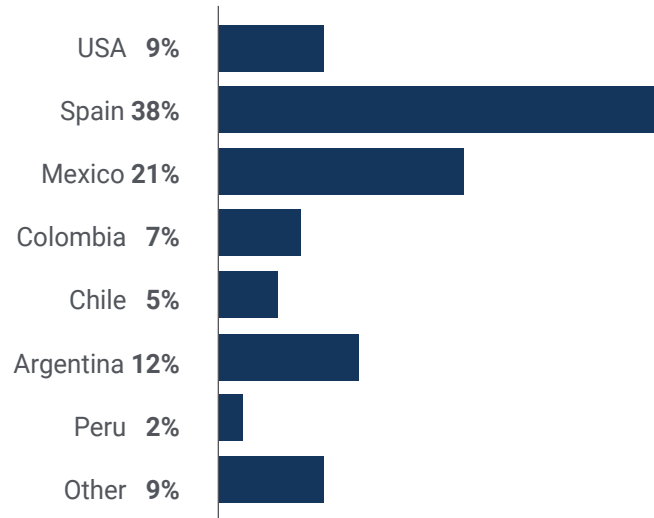
Training



Academic Profile



Geographical Distribution



Jaime Díaz

Project Manager

"Knowing in depth the life cycle of projects has been very useful for my daily practice, because, although I had been working in project management for years, I noticed that there were issues that I needed to improve. Undoubtedly, in TECH I found everything I needed: a totally up to date syllabus, high quality teachers and a 100% online format to be able to self manage my study"

08

Course Management

The professionals who have developed this program are people with extensive experience in project management, but also in teaching. In this way, they have the necessary experience and wisdom to offer students the most relevant information about this field, through high level didactic tools that will make the study more effective. Undoubtedly, it is the perfect combination to achieve the objective of quality education that TECH proposes with all its programs.





“

Prestigious professionals have joined forces to offer you the best education on the market”

Management



Mr. Pérez Pérez, Manuel Felipe

- ◆ Senior Project Manager – EQUIDEA
- ◆ Project Manager - AYDEM Consulting
- ◆ Consultant/Trainer in Organizational Development and Project Management
- ◆ Head of Training for Postgraduate Studies of the College of Computer Engineers of Madrid
- ◆ Technical Telecommunications Engineering - UPM
- ◆ Telecommunication Systems Engineering - UPM
- ◆ European Engineer EUR-ING - FEANI
- ◆ PMP ® (Project Management Professional) - PMI ID: 1767390 Nov 2014
- ◆ Advanced Agile Project Management Program. SCRUM

Professors

Mr. Barato, José

- ◆ Director of PMPEOPLE
- ◆ Freelance Trainer
- ◆ Telecommunications Engineer. Polytechnic University of Madrid
- ◆ PMP ® (Project Management Professional) ID: 70285
- ◆ PMI-ACP ® (Agile Certified Practitioner) ID: 1624784
- ◆ Diploma in Accounting and Finance. ESINE
- ◆ Regular Speaker at Project Management Conferences



09

Impact on Your Career

TECH Technological University is aware that taking a program of these characteristics is a great economic, professional and, of course, personal investment for the student. The ultimate goal of this great effort should be to achieve professional growth. This is achieved thanks to an academic program that offers the best educational offer of the moment in this sector. A program designed to support students at the educational level, so that they develop the necessary skills to successfully manage in this field.





“

Advanced education is necessary in all areas in order to improve professionally. In this case, TECH shows you the main advances in project management"

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

The Postgraduate Certificate in Project Life Cycle with Predictive Methodologies of TECH Technological University is an academic program that is developed in an intensive way and aimed at improving students' work skills in an area of wide competence. Undoubtedly, it is a unique opportunity to improve professionally, but also personally, as it involves effort and dedication.

Those who wish to improve themselves, achieve a positive change at a professional level and interact with the best, will find their place at TECH.

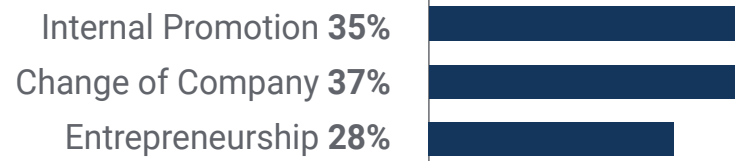
An indispensable program to enhance your education in a short period of time.

If you are looking for a radical change in your career, don't think twice. At TECH you will find everything you need.

When the change occurs



Type of change



Salary increase

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



10

Benefits for Your Company

TECH's Postgraduate Certificate in Project Life Cycle with Predictive Methodologies contributes to elevate the organization's talent to its maximum potential through the specialization of high level leaders. A program that adapts to students so they acquire the necessary tools that, later on, they will be able to apply in their daily practice, achieving great benefits for their company. In addition, participating in this academic itinerary is a unique opportunity to access a powerful network of contacts in which to find future professional partners, clients or suppliers.





“

This program will help you lead your projects effectively, achieving the maximum benefit for your company"

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

01

Intellectual Capital and Talent Growth

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

02

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.

03

Building agents of change

The professional 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 will be work on a current project or develop new projects in the field of R&D or Business Development within their company.

06

Increased competitiveness

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

11

Certificate

The Postgraduate Certificate in Project Life Cycle with Predictive Methodologies guarantees students, in addition to the most rigorous and up to date Postgraduate Certificate, access to a 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 Project Life Cycle with Predictive Methodologies** 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 certificate issued by **TECH Technological University** will reflect the qualification obtained in the **Postgraduate Certificate**, and meets the requirements commonly demanded by job exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Project Life Cycle with Predictive Methodologies**

Official N° of hours: **150 h.**



*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.



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

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