

# Postgraduate Certificate Stage Management and Control in Turnkey Projects (EPC)





## Postgraduate Certificate Stage Management and Control in Turnkey Projects (EPC)

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online
- » Target Group: Experienced engineers, architects or experienced graduates who want to deepen and update their knowledge in the field of international turnkey construction projects

Website: [www.techtute.com/us/school-of-business/postgraduate-certificate/stage-management-control-turnkey-projects-epc](http://www.techtute.com/us/school-of-business/postgraduate-certificate/stage-management-control-turnkey-projects-epc)

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# 01

# Welcome

This program provides in-depth coordination of the main stages of the Turnkey Project (EPC). These are constructions that require in-depth work by the agents involved, whose manager stands out for his capacity for global and diverse attention, from conceptual engineering to the final testing of the installation, the training of personnel and the delivery of the final result to the client. Therefore, in order for the professionals to be able to take on a challenge of this magnitude, it is necessary for them to acquire the necessary knowledge to excel in this field, achieving the relevant competencies to perform their work in this sector. You will learn, therefore, how to perform an exhaustive analysis of one of the most important stages of the EPC project, the Construction. During this stage, you will study all the actors involved in the successful completion of the project: quality, safety, cost and schedule. Likewise, you will learn how to analyze the main deviations that may occur in an EPC project, the main way to monitor and control them, as well as mitigation alternatives. In addition, it will address the main control KPIs within an EPC project, as well as the monitoring of Production vs. Cost. All these contents will help the professional to achieve optimal project management, thus ensuring that deadlines, objectives and costs are met.



Postgraduate Certificate in Stage Management and Control in Turnkey Projects (EPC).  
TECH Technological University



“

*This Postgraduate Certificate will provide you with in-depth knowledge in the management and control of stages in EPC projects, which will catapult you professionally in a sector that is currently booming”*

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

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TECH explores the student's critical side, their ability to question things, their problem-solving skills, as well as their interpersonal skills.



### Academic Excellence

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TECH offers students the best online learning methodology. The university combines the Relearning methodology (the most internationally recognized postgraduate learning methodology) with Harvard Business School case studies. A complex balance of traditional and state-of-the-art methods, within the most demanding academic framework.



### Economy of Scale

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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 Harvard Business School case studies"*

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

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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

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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

The main objective of this TECH Postgraduate Certificate is that professionals acquire the necessary knowledge to work managing and controlling the stages of EPC projects, taking into consideration all the necessary aspects to meet deadlines, costs and clients' requirements. For this purpose, TECH has developed a quality content designed based on the latest professional premises that will enable the student to practice in this environment with a greater margin of success.



“

*Grow as a business professional focused on construction and get ready to take on great professional projects by taking this TECH training"*



Your objectives are those of TECH.

TECH works together to help you achieve them.

The Postgraduate Certificate in Stage Management and Control in Turnkey Projects (EPC) trains the student to:

01

Conduct a comprehensive analysis of EPC projects

04

In-depth breakdown of guarantees, disputes and insurance in the construction industry

02

Management of the different stages of EPC projects



03

Contract management of large-scale projects

05

Mastery of project management in a global manner

06

Cost, time and resources analysis

08

Project management with a global interdepartmental vision

09

Ability to analyze the earned value of projects

07

Solid knowledge of the integration phases of a project

10

In-depth breakdown of C-stage: Construction



11

Quality Analysis in the Construction Stage

12

Safety analysis within the construction stage

13

Construction Cost Analysis and Management





14

Construction Term Analysis and Management

15

Study of control KPIS in EPC projects

16

Production monitoring and control vs. Costs

05

# Structure and Content

The syllabus of this Postgraduate Certificate includes a structured program based on the requirements that the professional must master in the management stages of a Turnkey Project (EPC). Thus, through a complete tour along a quality and up-to-date content, prepared by experts, the students will achieve the proposed objectives, obtaining a professional and personal growth that will allow them to carry out the indicated functions.



“

*An intensive program for you to master in 6 weeks the aspects involved in managing the stages of Turnkey Projects with confidence"*

## Syllabus

The Postgraduate Certificate in Stage Management and Control in Turnkey Projects (EPC) of TECH Technological University is an intensive program that prepares the student to master all the aspects that surround the correct management of the stages of turnkey projects.

The content of the Postgraduate Certificate is designed to promote the development of managerial and administrative competencies that allow for more rigorous decision making in uncertain environments, facing the business challenges that may arise.

Throughout 150 hours of preparation, the student analyzes a multitude of practical cases through individual and teamwork. It is, therefore, an authentic immersion in real business situations.

In this way, this Postgraduate Certificate deals in depth with the world of EPC construction from the approach of project management, taking care of the control of all its stages. Thus, it is designed to specialize professionals in the business environment in order to orient them towards this sector from a strategic, international and innovative perspective.

A plan designed for the student, focused on their professional improvement that prepares them to achieve excellence in the field of management and business administration in this sector. 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 efficiently manage the stages of today's turnkey projects.

This Postgraduate Certificate takes place over 6 weeks, and it consists of 1 module:

### Module 1

### Management and Control of Stages in Turnkey Projects (EPC)





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

TECH offers the student the possibility of taking this Postgraduate Certificate in Stage Management and Control in Turnkey Projects (EPC) completely online. Throughout the 6 weeks of training, 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. Management and Control of Stages in Turnkey Projects (EPC)**

**1.1. Coordination of Stages in EPC Projects**

- 1.1.1. Stages Planning
- 1.1.2. Inter-Team Communications
- 1.1.3. Stages Incident Resolution Process

**1.2. Stage C: Main Structural Components - Quality**

- 1.2.1. Component Q Quality
- 1.2.2. Analysis of the Quality Part of the Project
- 1.2.3. Structure and Importance

**1.3. Stage C: Main Structural Components - Health and Safety**

- 1.3.1. HSE Component Health and Safety
- 1.3.2. Analysis of the Health and Safety Part of the Project
- 1.3.3. Structure and Importance

**1.4. Stage C: Main Structural Components - Costs**

- 1.4.1. Component C. Costs
- 1.4.2. Analysis of the Cost Control Part of the Project
- 1.4.3. Structure and Importance

**1.5. Stage C: Main Structural Components - Term**

- 1.5.1. Component P. Term
- 1.5.2. Analysis of the Term Control Part of the Project
- 1.5.3. Structure and Importance

**1.6. International EPC Project Management**

- 1.6.1. Project Manager Administration
- 1.6.2. Manager's Characteristics
- 1.6.3. Coordination and Communication

**1.7. International EPC Project Analysis**

- 1.7.1. Global Analysis of the Project from the Management
- 1.7.2. Management Reporting Processes
- 1.7.3. Control of the Main KPIs of the Project

**1.8. EPC Project Deviations**

- 1.8.1. Main Deviations in EPC Projects
- 1.8.2. Variance Analysis
- 1.8.3. Customer Deviation Notifications Procedure

**1.9. Analysis and Monitoring of Economic Deviations of the Project with Respect to Contract**

- 1.9.1. Production Control
- 1.9.2. Cost Control
- 1.9.3. Production Monitoring vs. Costs

**1.10. Non-Conformity Management in EPC Projects**

- 1.10.1. Main Non-Conformities in EPC Projects
- 1.10.2. Management Procedures
- 1.10.3. Analysis and Mitigation



*Learn what the structural components of each stage of an EPC project are and begin your path to the career success you deserve"*







06

# Methodology

This training program offers 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"*



## At TECH Business School we use the Harvard case method

Our program offers a revolutionary method of skills and knowledge development. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

“

*At TECH, you will experience a way of learning that is shaking the foundations of traditional universities around the world"*



*We are the first online university to combine Harvard Business School case studies with a 100% online learning system based on repetition.*



*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 intensive program from TECH Technological University School of Business prepares students to face all the challenges in this area, both nationally and internationally. We are committed to promoting personal and professional growth, the best way to strive for success, that is why TECH uses Harvard case studies, with which we have a strategic agreement that allows us to provide our students with material from the best university the world.

**“** *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

Our university is the first in the world to combine Harvard University case studies with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance Harvard case studies 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**

They will complete a selection of the best business cases used at Harvard Business School. Cases that are presented, analyzed, and supervised by the best senior management specialists in Latin America.



**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 multimedia content presentation training Exclusive system 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 your goals.



07

# Our Students' Profiles

This Postgraduate Certificate is aimed at university graduates who have previously completed any of the following degrees in the field of Social and Legal Sciences, Administrative and Economic Sciences, as well as engineers, architects or graduates with experience who want to deepen and update their knowledge in the field of international construction projects from a business perspective.

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

Professionals who, being university graduates in any area, have two years of work experience in a related field, may also take the Postgraduate Certificate.





“

*Learn how to manage and coordinate the stages of an EPC project in just 6 weeks thanks to TECH"*

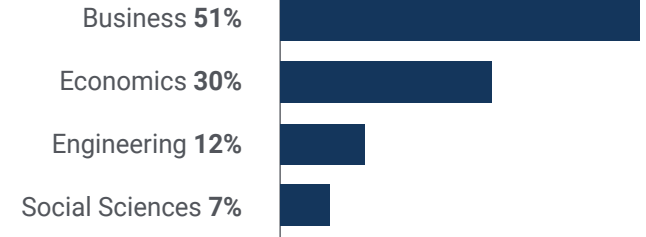
### Average Age

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

### Years of Experience



### Training



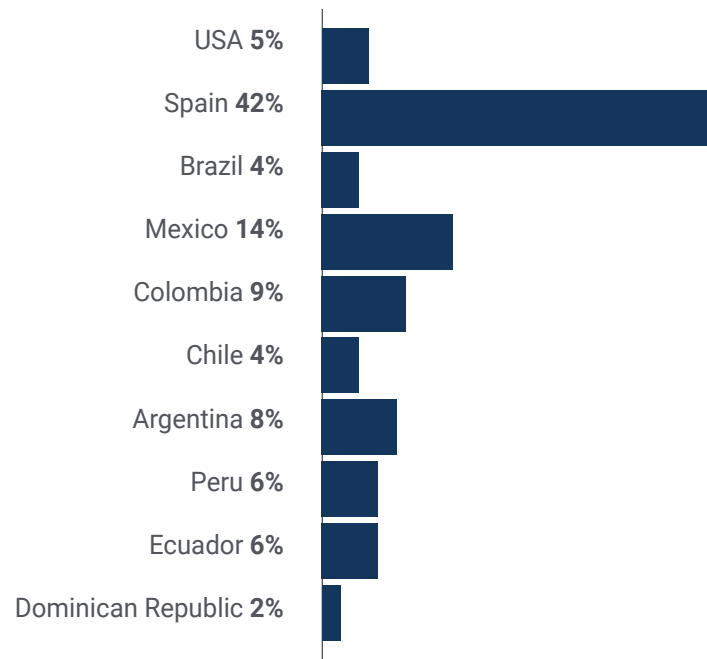
### Academic Profile





## Geographical Distribution

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## Salvador Gil

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**Coordinator in a Construction Services Company**

*"Thanks to this Postgraduate Certificate I have deepened in the different stages that a turnkey project goes through, specializing in its management and the coordination of the departments that are part of the projects of my company. Its clear content and up-to-date information make this Postgraduate Certificate perfect if, like me, you need to know more about this sector"*

08

# Course Management

The program's faculty includes leading experts in the field of engineering and the business world oriented towards EPC projects. In this way, professionals from different disciplines with a common approach have poured into this curriculum their knowledge and extensive experience in their professional careers, in addition to other experts of recognized prestige in related areas that complete the agenda of this Postgraduate Certificate in an interdisciplinary way, making it a unique academic experience for the student.



“

*The best have joined in this Postgraduate Certificate to give you the tools with which you will manage each and every stage of an EPC project with excellence”*

## Management



### Mr. Ruiz Cid, Martin Joaquín

- ◆ Technical Manager EPC Project Group - EPC *Project Manager* Leader at Soltec Renewable Energies
- ◆ Industrial Technical Engineer specializing in Mechanics/Structures from the Polytechnic University of Cartagena.
- ◆ Industrial Engineer in Electricity from the Polytechnic University of Cartagena.
- ◆ Official Master's Degree in Power Electronics and Adaptive Control
- ◆ MBA in Strategic Management of the Company by UNED
- ◆ Official Master's Degree in Renewable Energies and Environment
- ◆ *Project Manager* Professional Course
- ◆ Turnkey EPC Project Management Course
- ◆ Industrial Instrumentation Course





09

# Impact on Your Career

TECH is aware that taking a program of these characteristics is a great economic, professional and, of course, personal investment. The ultimate goal of carrying out this great effort should be to achieve professional growth, so that the professional's job placement or promotion in this sector is in line with their expectations. TECH is committed to this objective and achieves it through the design of competitive programs with the best experts in the sector.



“

*Take a step further in your professional career by specializing with this Postgraduate Certificate that only TECH can offer you"*

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

TECH's Postgraduate Certificate in Stage Management and Control of Turnkey Projects (EPC) is an intensive program that prepares the student to face challenges and business decisions related to the management of EPC project stages, training the student in the knowledge of a booming sector. Therefore, its main objective is to promote the personal and professional growth of the professional to achieve success in this field of work.

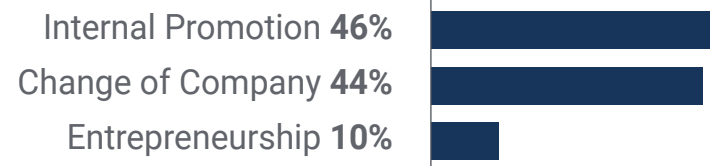
*Achieve the change you were hoping for by taking this TECH program.*

*If you want to make a positive change in your profession, the Postgraduate Certificate in Stage Management and Control in Turnkey Projects (EPC) will help you achieve it.*

### When the change occurs



### Type of change



## Salary increase

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



10

# Benefits for Your Company

The Postgraduate Certificate in Stage Management and Control in Turnkey Projects (EPC) contributes to elevate the organization's talent to its maximum potential through the promotion of high-level leaders.

Participating in this Postgraduate Certificate is a unique opportunity to access a powerful network of contacts in which to find future professional partners, customers or suppliers.





“

*Growing professionally in a short time and with a quality curriculum is possible. Thanks to the TECH method you will reach your work goal"*

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

01

### Intellectual Capital and Talent Growth

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 of the world economy.



05

### Project Development

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

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06

### Increased competitiveness

This Postgraduate Certificate will equip your professionals with the skills to take on new challenges and thus drive the organization forward.

11

# Certificate

The Postgraduate Certificate in Stage Management and Control in Turnkey Projects (EPC) guarantees, in addition to the most rigorous and updated training, access to a Postgraduate Certificate issued by TECH Technological University.





“

*Successfully complete this Postgraduate Certificate in only 6 weeks and receive your diploma by mail"*



This **Postgraduate Certificate in Turnkey Projects (EPC)** contains the most complete and updated program on the market.

After the student has passed the evaluations, 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 it meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Stage Management and Control in Turnkey Projects (EPC)**

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

# Postgraduate Certificate

## Stage Management and Control in Turnkey Projects (EPC)

