Postgraduate Certificate
Maritime-Port Logistics and Port Services

tech technological university

Postgraduate Certificate
Maritime-Port Logistics and Port Services

» Modality: **online**
» Duration: **6 weeks**
» Certificate: **TECH Technological University**
» Dedication: **16h/week**
» Schedule: **at your own pace**
» Exams: **online**
» Target Group: **Graduates, postgraduate certificates and university graduates who have previously completed any of the degrees in the field of Social and Legal Sciences, Administrative and Business Administration**

Website: **www.techtitute.com/us/school-of-business/postgraduate-certificate/maritime-port-logistics-port-services**

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01
Welcome

Throughout the maritime routes, it is essential to ensure the management of the flow of goods, as it is of vital importance to the global economy. Maritime transportation drives international trade as well as the improvement of the supply chain. For this reason, TECH has developed this program so that the graduate obtains exclusive knowledge with which to face the challenges that revolve around the business world. In this way, it will provide students with the latest theoretical and practical tools in Maritime-Port Logistics, delving into port infrastructures as a way of adapting to the demands of logistics chains. In this sense, this educational program has a great comfort and flexibility, with a 100% online modality.

Postgraduate Certificate in Maritime-Port Logistics and Port Services
TECH Technological University

" *This Postgraduate Certificate will contribute to your professional growth and to your positioning in a sector that is currently booming"*

Why Study at TECH?

TECH is the world's largest 100% online business school. It is an elite business school, with a model based on the highest academic standards. A world-class center for intensive managerial skills education.

TECH is a university at the forefront of technology, and puts all its resources at the student's disposal to help them achieve entrepreneurial success"

At TECH Technological University

Innovation

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

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

The Highest Standards

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

95% of TECH students successfully complete their studies

Networking

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

+100000 executives prepared each year

+200 different nationalities

Empowerment

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

+500 collaborative agreements with leading companies

Talent

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

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

Multicultural Context

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

TECH students represent more than 200 different nationalities.

TECH strives for excellence and, to this end, boasts a series of characteristics that make this university unique:

Learn with the best

In the classroom, TECH's teaching staff discuss how they have achieved success in their companies, working in a real, lively, and dynamic context. Teachers who are fully committed to offering a quality specialization that will allow students to advance in their career and stand out in the business world.

Teachers representing 20 different nationalities.

At TECH, you will have access to the most rigorous and up-to-date case analyses in academia"

Analysis

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

Academic Excellence

TECH offers students the best online learning methodology. The university combines the Relearning method (postgraduate learning methodology with the best international valuation) with the Case Study. Tradition and vanguard in a difficult balance, and in the context of the most demanding educational itinerary.

Economy of Scale

TECH is the world's largest online university. It currently boasts a portfolio of more than 10,000 university postgraduate programs. And in today's new economy, **volume + technology = a ground-breaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.

03
Why Our Program?

Studying this TECH program means increasing the chances of achieving professional success in senior business management.

It is a challenge that demands effort and dedication, but it opens the door to a promising future. Students will learn from the best teaching staff and with the most flexible and innovative educational methodology.

We have highly qualified teachers and the most complete syllabus on the market, which allows us to offer you education of the highest academic level"

This program will provide you with a multitude of professional and personal advantages, among which we highlight the following:

01

A Strong Boost to Your Career

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

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

02

Develop a strategic and global vision of the company

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

Our global vision of companies will improve your strategic vision.

03

Consolidate the student's senior management skills

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

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

04

You will take on new responsibilities

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

45% of graduates are promoted internally.

05 Access to a powerful network of contacts

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

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

06 Thoroughly develop business projects

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

20% of our students develop their own business idea.

07 Improve soft skills and management skills

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

Improve your communication and leadership skills and enhance your career.

08 You will be part of an exclusive community

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

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

04
Objectives

Thanks to this educational program, graduates will achieve their professional objectives through competencies that will lead them to enhance essential aspects of Port Management. Therefore, TECH will provide students with different tools of educational innovation, successfully reaching the pinnacle of their professional careers. Upon completion of this program, the student will have acquired specific knowledge and skills in the traditional characteristics and functions of ports. All this in only 150 hours of study, plus unlimited access to the virtual platform.

With this program you will develop specialized knowledge in the evolution of the logistics function in ports"

TECH makes the goals of their students their own goals too
Working together to achieve them
The **Postgraduate Certificate in Maritime-Port Logistics and Port Services** qualifies students to:

01 Conceptualize logistics and place it in the current economic environment

02 Conceptually define the processes that compose it and give rise to the different types of logistics

03 Justify the importance of maritime transport in globalization

04 Examine the main maritime traffics and transport vessels

05 Delve into the main maritime traffics

06 Specify the international legislation in maritime transport

08 Analyze the latest innovation trends

09 Define a future port model in a context of in-depth and global transformation

07 Examine the alternative of port infrastructure specialization as a way of adapting to the demands of logistics chains

10 Analyze with maximum objectivity these aspirations, from a technical point of view

Structure and Content

The Postgraduate Certificate in Maritime-Port Logistics and Port Services is a qualification that offers essential knowledge regarding the reception service of waste generated by ships, as well as the main agents of the Port Community. All this, from a theoretical-practical program developed by a respected teaching team, with a high level of experience and background in this area.

"A syllabus developed by a professional team specialized in Maritime-Port Logistics, with which you will achieve the most ambitious objectives in the working field"

Syllabus

This Postgraduate Certificate consists of 6 educational weeks in which businessmen will be able to position themselves at the top of their professional career, specializing in the challenges of Maritime-Port Logistics. In this way, this program has several exclusive competences and technical skills focused on ports as logistic nodes in the global supply chain.

In order to achieve these objectives, the teaching team has designed a syllabus with 1 module, thanks to which the graduate will expand his specific knowledge in cargo handling services, electrical power supply to ships and technical-nautical services.

Graduates will not only achieve a position within an important company, but will also be able to lead and coordinate work teams. TECH will offer them tools focused on leadership, so that they will be able to implement them in their professional career. In addition, you will have the support of high quality multimedia content and a load of 150 teaching hours that you will be able to distribute in any way to present your sessions at any time.

In this way, TECH emphasizes efficiency and excellence in the best way, offering the most complete and first level update. Students will only need an electronic device with internet coverage to easily access the virtual platform from the comfort of the place where they are.

This Postgraduate Certificate is developed over 6 weeks and is divided into 1 module.

| Module 1 | Maritime-Port Logistics and Port Services |

Where, When and How is it Taught?

TECH offers the possibility to study this Postgraduate Certificate in Maritime-Port Logistics and Port Services completely online. During the 6 weeks of the specialization, the student will be able to access all the contents of this program at any time, which will allow the students to self-manage their study time.

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

Module 1. Maritime-Port Logistics and Port Services

1.1. Port Community
1.1.1. Port Community
1.1.2. Principal Port Community Agents
1.1.3. Quality Management Systems applied to the Port Community

1.2. Port Operations
1.2.1. Port operations and port activities
1.2.2. Information systems in port operations
1.2.3. Information Flows in port operations

1.3. Port Logistics
1.3.1. Port Logistics
1.3.2. Ports as logistics hubs in the global supply chain
1.3.3. Logistics in container transport

1.4. General port management
1.4.1. General organization of maritime and inland traffics in a port
1.4.2. Entry of ships into port
1.4.3. Assignment of anchorage and berthing places
1.4.4. Ship stays and inland movements
1.4.5. Circulation of vehicles and people in port
1.4.6. Passengers and goods

1.5. Management of a port terminal
1.5.1. Analysis Levels
1.5.2. Port terminal planning
1.5.3. Productivity indicators

1.6. Port Services
1.6.1. Port Services Regulation
1.6.2. Public service obligations
1.6.3. Port Service Types

1.7. Technical-nautical services
1.7.1. Mooring
1.7.2. Port towing
1.7.3. Pilotage

1.8. Cargo, passenger and waste reception services
1.8.1. Cargo handling service
   1.8.1.1. Loading and stowage activities
   1.8.1.2. Unstowing and unloading activities
   1.8.1.3. Possible exempted stevedoring and unstowage operations
1.8.2. Reception service for ship-generated waste
1.8.3. Passenger service

1.9. Commercial services to the ship
1.9.1. Provision of victualling
1.9.2. Supply of fuel
1.9.3. LNG supply
1.9.4. Supply of electric power to ships

1.10. Maritime signaling service
1.10.1. Types of Navigation Aids
1.10.2. Visual aids
1.10.3. Hearing aids
1.10.4. Radio aids
1.10.5. VTS
1.10.6. The IALA Maritime Maritime Beaconing System

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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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.

30%

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.

10%

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.

8%

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.

3%

30%

15%

4%

Case Studies

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best senior management specialists in the world.

Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.

07

Our Students' Profiles

The Postgraduate Certificate is aimed at university graduates and graduates who have previously completed any of the following degrees in the fields of Business Sciences, Civil Engineering or Naval Engineering.

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

The Postgraduate Certificate can also be taken by professionals who, being university graduates in any area, have two years of work experience in the field of Maritime-Port Logistics.

If you have experience in Maritime-Port Logistics and are looking for an interesting improvement in your career while continuing to work, this is the program for you"
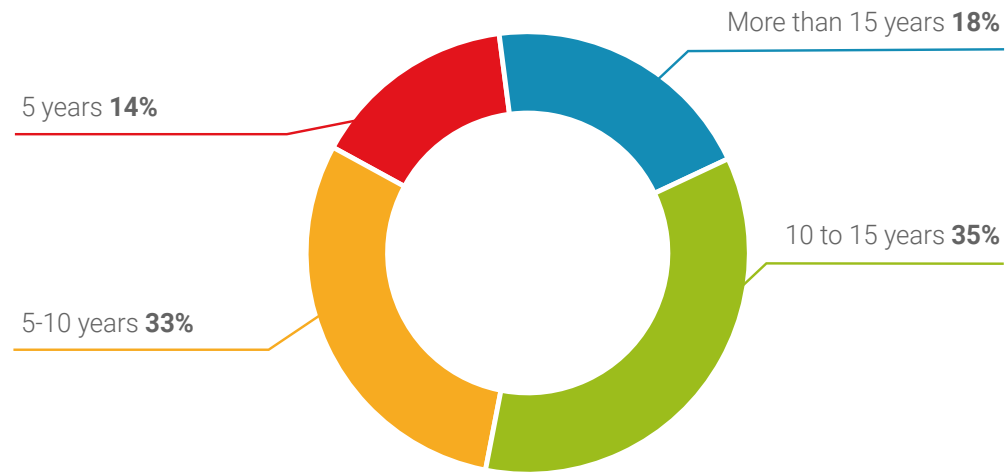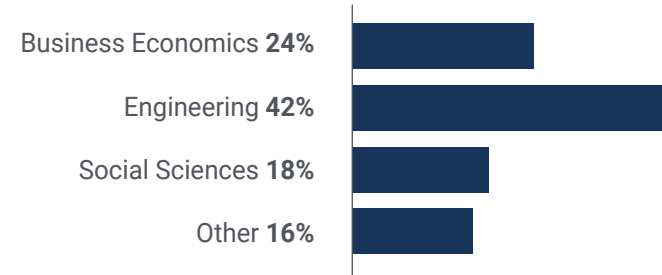
Average Age

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

Years of Experience

More than 15 years **18%**

5 years **14%**

10 to 15 years **35%**

5-10 years **33%**

Training

Business Economics **24%**

Engineering **42%**

Social Sciences **18%**

Other **16%**

Academic Profile

Industry **39%**

Administration **24%**

Transportation **27%**

Other **10%**
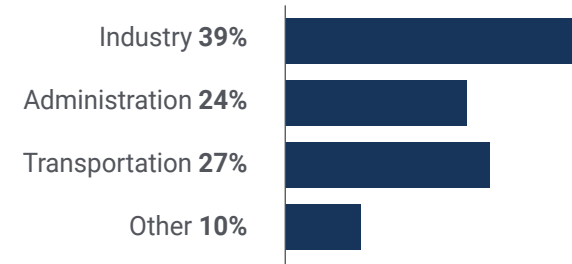
Geographical Distribution

U.S.A. **14%**

Spain **42%**

Mexico **33%**

Colombia **11%**
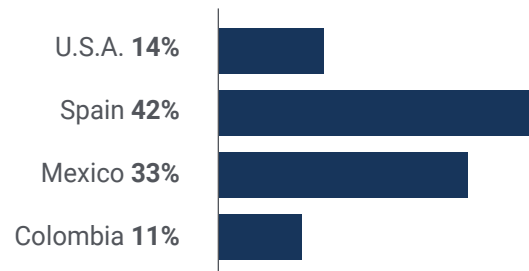
Ana María Calvo Ortiz

CEO of a Port Authority

"I learned not only the theoretical fundamentals, but also the practical application of logistics in port environments. And it has allowed me to understand the real challenges of the industry, as well as develop skills that I am eager to apply in my career. I am grateful for this educational opportunity that has broadened my perspective and prepared me to contribute meaningfully to this field"

Course Management

By offering an education of excellence accessible to all, TECH has assembled a distinguished group of experts in Maritime-Port Logistics and Port Services. In this way, graduates will have access to material created by a faculty specialized in Maritime Works Projects and Port Management and Planning and Intermodality in Ports. Its robust experience and its great background in the sector will allow students to face the different adversities in their professional career.

If you want to succeed, do it with the best and acquire the necessary skills to excel in the Port Management sector"

Address

Mr. López Rodríguez, Armando

- Head of Technical Advisory Area in the Office of the President of Ports of the State
- Head of Strategic Planning Area at Ports of the State
- Project Manager at Ports of the State
- Head of the Resources and Information and Communications Technology Area at Ports of the State
- Head of Development Ports of the State
- Head of Corporate Relations Area at Ports of the State
- Head of Strategic Planning Area at Ports of the State
- Head of the Strategic Planning Area at Ports of the State
- AENOR Associate Professor
- UBT Associate Professor Lab
- Telecommunications Engineer from Universidad Politécnica de Madrid
- Degree in History from the National University of Distance Education (UNED)
- PhD's Degree in History from the National University of Distance Education (UNED)
- Master's Degree in Advanced Methods and Techniques of Historical, Artistic and Geographic Research from the National University of Distance Education (UNED)
- Management Development Program (PDD) from the IESE of the University of Navarra

Professors

Mr. Martín Ramos, Francisco Javier

- Deputy Assistant Director of Operation and Navigation Aids at Ports of the State
- Head of Maritime Works Projects Division at Grupo Dragados y Construcciones
- Professor in Master in Port Management and Planning and Intermodality in Ports of the State, Polytechnic University of Madrid, University of Oviedo, University of Cadiz and University of A Coruña
- Civil Engineer with specialization in Transport from the Polytechnic University
- Master's Degree in European Union from the Polytechnic University of Madrid
- Master's Degree in Port Management and Intermodal Transport by ICADE at Comilla Pontifical University

An unique, key, and decisive training experience to boost your professional development"

09

Impact on Your Career

This program has been created with the purpose of providing students with innovative knowledge for the port area. In this way, TECH is excellence at the highest levels, so it will be important for students to know that they will be able to acquire skills of the highest quality and specialized in Maritime-Port Logistics, positioning themselves in the best companies in the sector at national and international level.

"

Assigning mooring and berthing positions is one of the skills that, without a doubt, you will master at the end of this Postgraduate Certificate"

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

TECH's Postgraduate Certificate in Maritime-Port Logistics and Port Services is an intensive program that prepares you to face challenges and business decisions in the field of Port Management. The main objective is to promote your personal and professional growth. Helping you achieve success.

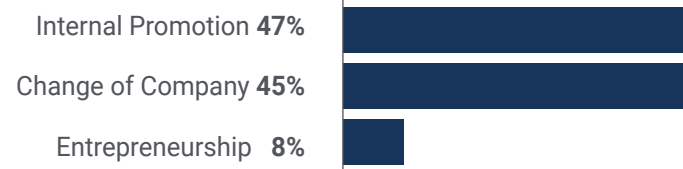*A Postgraduate Certificate designed and formulated for the best. Enroll now!"*

At TECH, you will be able to expand your skills in container shipping logistics.

When the change occurs

During the program	During the first year	After 2 years
11%	**63%**	**26%**

Type of change

Internal Promotion **47%**

Change of Company **45%**

Entrepreneurship **8%**

Salary increase

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

| Salary before $60,000 | A salary increase of 25% | Salary after $75,000 |

10

Benefits for Your Company

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

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

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

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

01

Growth of talent and intellectual capital

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

02

Retaining high-potential executives to avoid talent drain

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

03

Building agents of change

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

04

Increased international expansion possibilities

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

tech

05

Project Development

The professional can work on a real project or develop new projects in the field of R & D or business development of your company.

06

Increased competitiveness

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

11
Certificate

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

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

This **Postgraduate Certificate in Maritime-Port Logistics and Port Services** 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** via tracked delivery*.

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

Title: **Postgraduate Certificate in Maritime-Port Logistics and Port Services**

Official Nº of Hours: **150 h.**

tech technological university

Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Maritime-Port Logistics and Port Services

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

Unique TECH Code: AFWORD23S   techtitute.com/certificates

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

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