



Professional Master's Degree Port Management and Intermodal Transportation

» Modality: online

» Duration: 12 months

» Certificate: TECH Global University

» Credits: 60 ECTS

» Schedule: at your own pace

» Exams: online

» Aimed at: University graduates and postgraduates who have previously completed any of the degrees in the field of Business Sciences, Civil or N130aval Engineering

Website: www.techtitute.com/us/school-of-business/professional-master-degree/master-port-management-intermodal-transportation

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01 **Welcome**

Global trade has increased in recent decades, giving relevance to the optimization of logistics in the port sector. A key maritime area for the functioning of the world economy and that marks the present and future course of much of the planet. In this scenario, the profile of the leader, capable of directing and managing its operations, as well as the human resources involved are essential. In this sense, this 100% online program offers a specialization oriented to the increase of managerial skills, to the assumption of responsibilities in the activities of national and international port companies. All this, in addition, with a content prepared by professionals with extensive experience and numerous didactic materials at the forefront of academia.

Professional Master's Degree in Port Management and Intermodal Transportation
TECH Global University







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At TECH Global University



Innovation

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

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



The Highest Standards

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

95%

of TECH students successfully complete their studies



Networking

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

+100000

+200

executives prepared each year

different nationalities



Empowerment

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

+500

collaborative agreements with leading companies



Talent

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

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



Multicultural Context

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

TECH students represent more than 200 different nationalities.



Why Study at TECH? | 09 tech

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



Analysis

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



Academic Excellence

TECH offers students the best online learning methodology. The university combines the Relearning method (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.



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"





tech 12 | Why Our Program?

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



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.



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.



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.



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.



Access to a powerful network of contacts

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

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



Thoroughly develop business projects

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

20% of our students develop their own business idea.



Improve soft skills and management skills

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

Improve your communication and leadership skills and enhance your career.

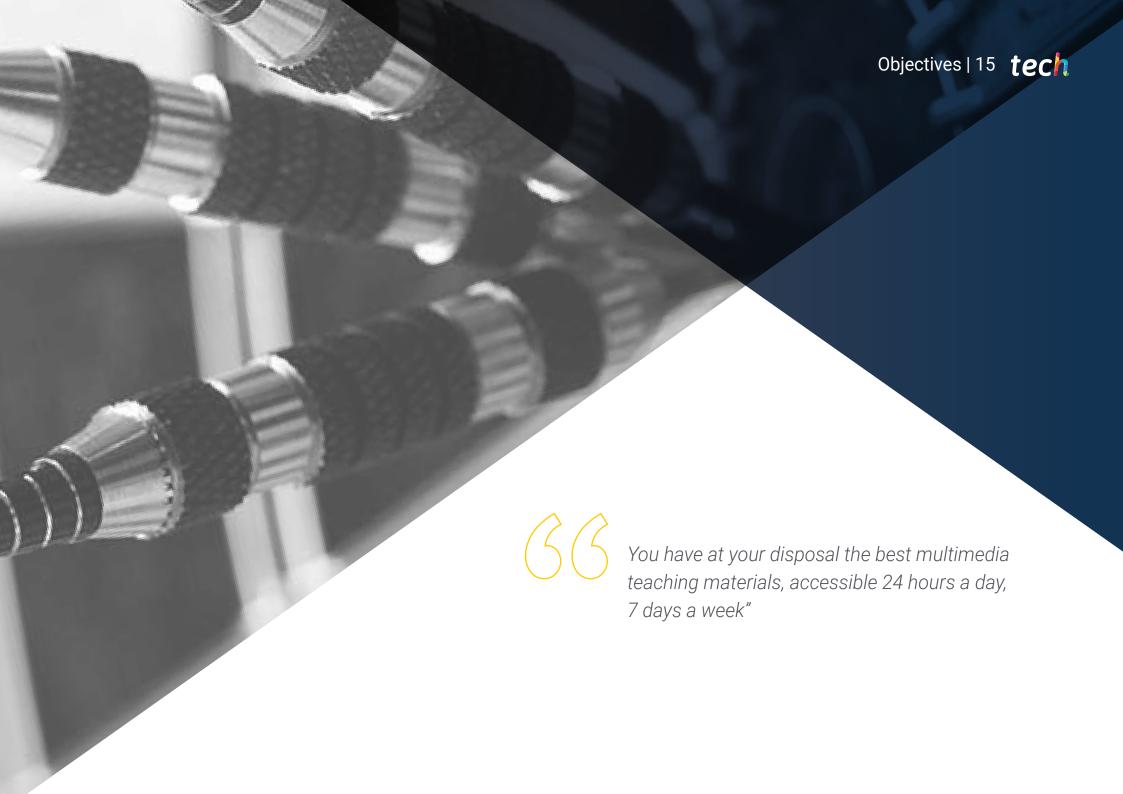


You will be part of an exclusive community

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

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





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

The Professional Master's Degree in Port Management and Intermodal Transportation qualifies students to:



Conceptualizing logistics and placing it in today's economic environment



Analyze the general composition of today's intermodal chains



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





Understand what each of these processes consists of and the purpose for which they were conceived



Update the student's knowledge in the field of multimodal transport



Substantiate the importance of maritime transport in globalization



Examine the main maritime traffics and transport vessels



09

Examine the main maritime traffics in more detail



Analyze what multimodality is and its role within the logistics chain



Specify the international legislation in maritime transport



Delve into the traditional characteristics and functions of ports and their historical evolution



Analyze the latest trends in innovation



Delve into the evolution of the logistic function in the ports and to give rise to the different typologies of logistics



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



Define the different models of port governance of ports



Examine the evolution of port governance in relation to the level of in connection with the degree of development of countries



Define a port model for the future in a context of profound and global transformation



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



Provide a context for the governance structure of a typical port



Identify the importance of consensus, communication and transparency in the process of formulating the strategy of a port system that has important repercussions on society as a whole, both economically and socially







Generate a strategy for a port system that responds to the aspirations of society as a whole, i.e. the general interest of citizens



Develop the capacity to respond to crises and emergencies in the port environment, designing effective action plans, coordinating communication with stakeholders and conducting drills to ensure an efficient response in adverse situations





Develop in detail the operation of each of the port services with public service obligations in the ports, as well as the main commercial activities of the vessel



Analyze the specific threats and vulnerabilities of port environments, identifying possible risk scenarios and assessing their potential impact on port operations





Establish comprehensive port security strategies, including physical, technological and managerial measures, in order to mitigate risks and ensure the protection of port infrastructure and activities



Apply international regulations and standards related to port security, ensuring compliance with current regulations and promoting world-class security practices

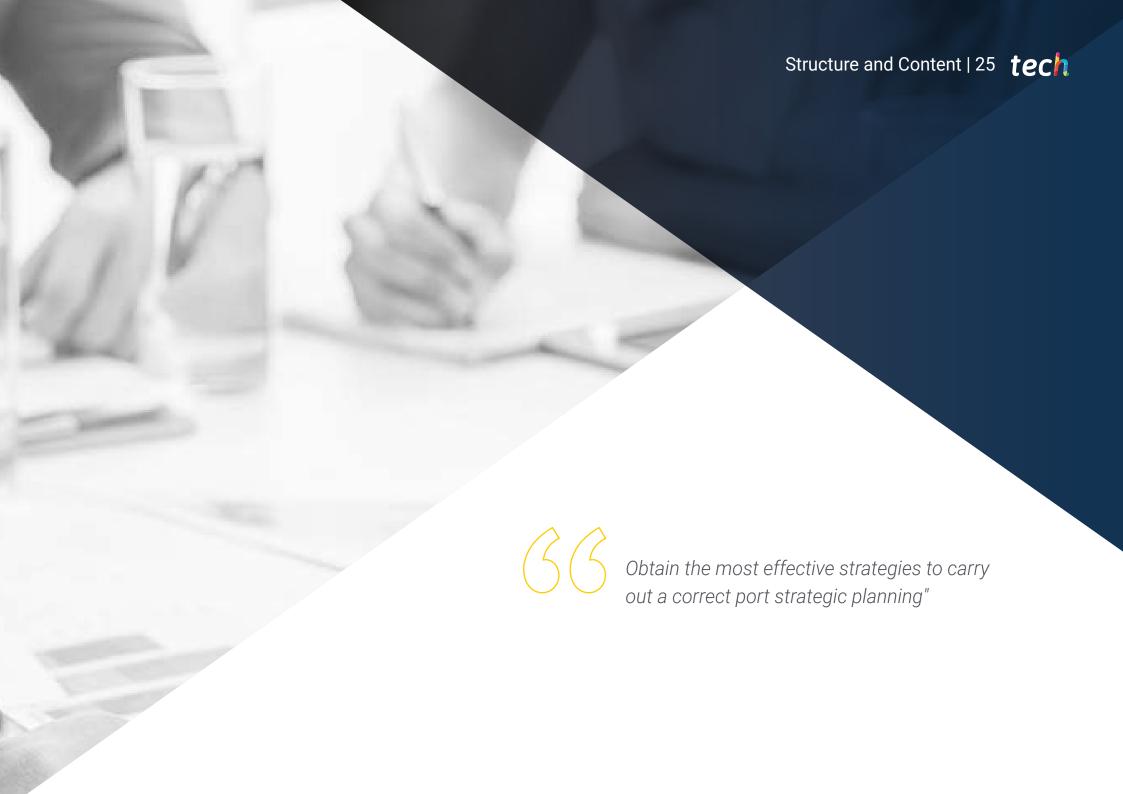


Planning and coordinating human resources in a port entity



Realize the strategy through a port's business plan based on the strategic model of a port system





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Syllabus

This program consists of 1,500 teaching hours that will prepare students to face the new challenges of Port Management and Intermodal Transportation. This is why this program covers the techniques, leadership skills and competencies necessary to master port governance models, infrastructure development and environmental sustainability, among other aspects.

To achieve this goal successfully, the teaching team has developed a syllabus consisting of 10 modules, where students will delve into Logistics Operators, Multimodal transportation, Intermodality and Logistics Platforms, the business plan, Human Resources management or port services.

A comprehensive content that becomes even more attractive and dynamic thanks to the multimedia didactic resources, specialized readings or simulations of case studies. In addition, the Relearning system, used by TECH, will allow the graduates to reduce the long hours of study and achieve effective learning in less time.

Undoubtedly, an excellent opportunity for professional growth through an advanced qualification and a teaching methodology that adapts to the students' agenda and professional motivations. All you need is an electronic device (cell phone, tablet, computer) with Internet connection to view the content of this academic option at any time of the day.

This Professional Master's Degree is developed over 12 months and is divided into 10 modules.

Module 1	Logistics and Logistics Operators
Module 2	Multimodal Transport, Intermodality and Logistics Platforms
Module 3	Maritime Transport
Module 4	Ports and Port Terminals
Module 5	Port Governance Models
Module 6	Strategic Port Planning
Module 7	Port Business Plan and HR Management
Module 8	Maritime-port Logistics and Port Services
Module 9	Planning and Development of Infrastructure and Environmental Sustainability
Module 10	Port Security and Security



Where, When and How is it Taught?

TECH offers the possibility of developing this Professional Master's Degree in Port Management and Intermodal Transportation in a totally online way. Throughout the 12 months of the educational program, 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.

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Mod	dule 1. Logistics and Logistics Operators						
1.1. 1.1.1. 1.1.2. 1.1.3.	economic flow Logistics and supply chain. Differences	1.2. 1.2.1. 1.2.2. 1.2.3.	Logistic areas and typologies Logistics areas Internal logistics vs. external logistics Logistics key elements	1.3. 1.3.1. 1.3.2. 1.3.3. 1.3.4.	Logistics operations Operations of logistics companies The logistics process and its elements Stages of the logistics chain Problems that arise in logistics environments	1.4.2. 1.4.3.	Logistics adapted to current market needs Logistics in e-commerce. Distribution Logistics Reverse Logistics Logistics Indicators Current logistics
1.5.1. 1.5.2. 1.5.3. 1.5.4.	Information systems applied to logistics	1.6. 1.6.1. 1.6.2. 1.6.3.	Logistics of the future Challenges facing logistics Green Logistics New trends in logistics	1.7. 1.7.1. 1.7.2. 1.7.3. 1.7.4.	Logistics Operators Global Logistics Figure of the logistics operator Evolution of logistics operators up to the present day The Logistics Operator. Requirements	1.8.2.	Logistics Operators and the Outsourcing Contract The Outsourcing Contract. Clauses, SLA's Services provided by logistics operators Advantages offered by logistics operators
1.9. 1.9.1. 1.9.2. 1.9.3. 1.9.4.	Party Logistics (PL). Uses Types of logistics operators. Services and infrastructures	1.10.1 1.10.2	Freight forwarder Vs Logistics operator Freight Forwarder vs Logistics Operator. Differences and similarities Evolution of the Freight Forwarder towards the figure Logistics Operator The freight forwarder and the LSP system Bringing services together				

2.1. 2.1.1. 2.1.2. 2.1.3. 2.1.4.	The Warehouse Phases of the logistics activity. Role of the warehouse in the supply chain Warehouse activities Types of warehouses Storage alternatives	 2.2.1. Warehouse Vs Logistics platform. Differentiating Elements 2.2.2. Types of logistics platforms 2.2.3. Operation of a logistics platform. Infrastructures, space organization and human and mechanical resource 		Logistics platforms as an integrating element of the intermodal chain Types of logistics platforms Location as a differentiating element of logistics platforms. HUB warehouses Micro logistics platforms. Urban SLPs	2.4.2.	by road Key elements for the management of roat transport companies
2.5. 2.5.1. 2.5.2. 2.5.3.	Rail freight transport Rail transport. Situation of international rail freight networks Railway operators Types of rail transport	 2.6. Maritime transport of goods 2.6.1. International regulatory bodies 2.6.2. Relevant legislation 2.6.3. Long distance maritime transportation 2.6.4. Short sea shipping and highways of the transport of goods by inland waterways 2.6.5. Maritime Transport Key Aspects 	ne sea 2.7.4.	International regulatory bodies International legal framework Essential infrastructures Aircraft. Typology	2.8. 2.8.1. 2.8.2. 2.8.3.	in the logistics chain
2.9. 2.9.1. 2.9.2. 2.9.3.	Multimodal and combined transport Multimodal and combined transport Multimodality Vs Intermodality Role of Multimodal Transport Operators (MTOs)	2.10. Intermodal transport 2.10.1. Intermodal transport 2.10.2. Types of intermodality 2.10.3. Role of the warehouse in intermodality Cross-docking 2.10.4. The intermodal transport operator 2.10.5. Intermodal transport systems 2.10.6. Intermodal transport. Advantages, Prand Challenges	,			

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Mod	dule 3. Maritime Transport						
3.1.1. 3.1.2. 3.1.3. 3.1.4.	Maritime Transport and International Trade Maritime Transport International Trade Maritime traffic	3.2.2. 3.2.2. 3.2.2. 3.2.3.	Types of Vessels in Maritime Transport Types of Vessels in Maritime Transport according to their cargo Evolution of the maritime transport ships The Container 3.2.3.1. Types of maritime containers	3.3.2.	Maritime Transportation Market Maritime Transportation Market World fleet World Shipping Requirement	3.4.2. 3.4.3. 3.4.4.	Maritime Transportation Costs Cost distribution Fixed Costs Variable Costs Loading/unloading costs Factors influencing cost
	Maritime Traffic Oil traffic Bulk solids traffic General cargo	3.6. 3.6.1. 3.6.2. 3.6.3.	1 9 9	3.7.1. 3.7.2. 3.7.3.	Contracts for the Operation of the Vessel Economic operation of the vessel Bareboat Lease Chartering Passenger contract	3.8.2.	Freight Market Freight Market Evolution Periods Supply/Demand
3.9.1. 3.9.2. 3.9.3.	Marine Accident and Marine Insurance Accidents in navigation Types of damage Marine insurance	3.10.2 3.10.3	Emissions. International regulation Emissions from maritime transport International regulation Forms of compliance with regulations Reduction of CO ₂ emissions				

Mod	dule 4. Ports and Port Terminals				
4.1. 4.1.1 4.1.2 4.1.3	. Functions of a commercial port . Ports and the supply chain	 4.2. Models of Ports according to the flows of goods 4.2.1. Ports as essential nodes of logistics chains 4.2.2. Port typology according to flow freight 4.2.2.1. Import/export ports 4.2.2.2. Hub ports 4.2.3. Adapting to changing trends in the flow of goods 	4.3. Port Terminals4.3.1. Port Specialization4.3.2. Scheme and Zones of a Port Terminal4.3.3. Typology of port terminals	4.4. 4.4.1. 4.4.2. 4.4.3.	the vessel
4.5. 4.5.1 4.5.2 4.5.3	and container terminals Multi-purpose or multi-purpose terminals Container terminal	4.6. Bulk terminals4.6.1. Solid bulk terminals4.6.2. Liquid bulk terminals4.6.3. Special facilities	4.7. Rolling Cargo Terminals4.7.1. Rolling Cargo Terminals4.7.2. Containers on platforms with wheels4.7.3. Automotive	4.8.2.	Passenger terminals and other specialized terminals Passenger terminals Sport Marinas Fishing terminals
4.9.1 4.9.2 4.9.3	and Automation Smart Ports	4.10. Latest trends in port innovation 4.10.1. Artificial Intelligence and its application to ports 4.10.2. Simulation based training (SBT) 4.10.3. Digital port twins			

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Mod	lule 5. Port Governance Models						
5.1. 5.1.1. 5.1.2. 5.1.3.	Port Governance Evolution of port governance	5.2. 5.2.1. 5.2.2. 5.2.3.	Port governance models Public and private ports Tool ports The landlord port model	5.3. 5.3.1. 5.3.2. 5.3.3.	Trends in port governance Stabilization of the governance model: towards a nuanced landlord Vertical and horizontal integration Control and supervision of competition	5.4.2.	The landlord model and the public domain The management of the port public domain Revenue from fees Revenue from tariffs
5.5. 5.5.1. 5.5.2. 5.5.3.	The landlord model in continental Europe	5.6. 5.6.1. 5.6.2. 5.6.3.	The port services regime Nature of service (public, private). Requirements for the provision of the service Administrative link /contract, license) Form or requirements for access to the provision of the service. Concurrence. Limitation of the number of providers	5.7. 5.7.1. 5.7.2. 5.7.3.	Coordination of port systems at the country level Centralized Systems Decentralized systems Mixed Systems	5.8. 5.8.1. 5.8.2. 5.8.3.	Intra-port governance Port management Model organization chart and functional areas Port planning and operation areas
5.9. 5.9.1. 5.9.2. 5.9.3.	Management of Human Resources	5.10.1 5.10.2	Relations between the port with its environment Port-city interrelations The urban-port network. Urban planning considerations Institutional activities and collaboration with the environment				

Mod	ule 6. Strategic Port Planning						
6.1. 6.1.1. 6.1.2. 6.1.3. 6.1.4. 6.1.5.	The Port System Port authorities. Coordination Economic perspective Environmental perspective Social Perspective Performance criteria	6.2. 6.2.1. 6.2.2. 6.2.3. 6.2.4.	Economically profitable ports Financing Budgeting Prices associated with the port reality Redistribution of resources between ports	6.3. 6.3.1. 6.3.2. 6.3.3.	general interest	6.4.1 6.4.2 6.4.3 6.4.4	Economically and socially profitable Infrastructure connectivity
6.5.6.5.1.6.5.2.6.5.3.6.5.4.	Monitoring of the provision of services	6.6.1. 6.6.2. 6.6.3. 6.6.4.	Innovation and digitalization of ports Electronic administration Digital ports Promotion of innovation Innovation at the service of the general interest	6.7. 6.7.1. 6.7.2. 6.7.3.	International projection International Relations Brand Image The competitiveness of ports in the international context	6.8. 6.8.1. 6.8.2. 6.8.3. 6.8.4. 6.8.5. 6.8.6.	Environmental Sustainability Environmental Management Quality and environmental measurements Consumption and waste management Sustainable mobility Climate Change The port and the citizen
6.9. 6.9.1. 6.9.2. 6.9.3.	Security/Safety Industrial Safety Port security Cybersecurity	6.10.1 6.10.2 6.10.3 6.10.4 6.10.5	Ethical corporate culture and human capital Ethical Codes Supervision and Control Transparency Organizational Structure Equality Training and Career Communication and participation				

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Mod	Module 7. Port Business Plan and HR Management								
7.1. 7.1.1. 7.1.2. 7.1.3. 7.1.4. 7.1.5.	Port Business Plan as a Planning Tool The Business Plan as concretion of the global strategy of a port system The Business Plan as a coordinating element of planning SWOT Analysis Strategic Map Other planning instruments of the Port	7.2. 7.2.1. 7.2.2. 7.2.3. 7.2.4. 7.2.5.	Perspectives of a Port Business Plan Port traffic Inversions Economic-financial Human resources Environment and sustainability	7.3. 7.3.1. 7.3.2. 7.3.3.	Management control through the Business Plan Monitoring of objectives Evolution of management ratios Corrective Actions	7.4.2.	Human capital Socio-labor context of the Ports HR planning within the global and port strategy Industrial relations and negotiation		
7.5. 7.5.1. 7.5.2. 7.5.3. 7.5.4.	Need for change. Professionalization of the Ports Resistance to Change How to manage change Professionalize the ports Transparency and communication	7.6. 7.6.1. 7.6.2. 7.6.3.	Competency-based management as a facilitator of change Knowledge competences "Soft" competences The different aspects of management by competences	7.7. 7.7.1. 7.7.2. 7.7.3.	Jobs Establishment of Jobs Job evaluation Professional classification and organizational structure	7.8.2. 7.8.3.	Training Plan Plan of formation of the harbor system Training plan at port level The "corporate university" The virtual classroom		
7.9. 7.9.1. 7.9.2. 7.9.3.	Pay system Pay system The remuneration structure Performance evaluation and variable remuneration	7.10.1 7.10.2	Prevention of Occupational Hazards Prevention memories. Prevention strategic Prevention of occupational risks in a port Psychosocial Risks						

Mod	dule 8. Maritime-port Logistics and Port	t Services			
8.1. 8.1.1. 8.1.2. 8.1.3.	. Port Community . Key Actors of the Port Community	 8.2. Port Operations 8.2.1. Port operations and activities in port 8.2.2. Information systems in the port operations 8.2.3. Information flows in the port operations 	 8.3. Port logistics 8.3.1. Port logistics 8.3.2. Ports as logistical nodes in the global supply chain 8.3.3. Logistics in transport by container 	8.4.2. 8.4.3. 8.4.4. 8.4.5.	traffic in a port Entry of ships into port Allocation of mooring and docking posts Stays of ships and internal movements Movement of vehicles and persons in port
8.5. 8.5.1. 8.5.2. 8.5.3.	. Planning of port terminals	8.6. Port Services8.6.1. Regulation of port services8.6.2. Public service obligations8.6.3. Types of port services	8.7. Technical and nautical services8.7.1. Mooring8.7.2. Port trailer8.7.3. Pilotage	8.8.2.	Goods, passengers and waste reception services Goods handling service 8.8.1.1. Loading and stowing activities 8.8.1.2. Activities in the field of waste disposal 8.8.1.3. Possible operations exempted from stowage and disposal Ship generated waste reception service Passenger service
8.9. 8.9.1. 8.9.2. 8.9.3. 8.9.4.	. Fuel supply	8.10. Maritime signalling service 8.10.1. Types of Aids to navigation 8.10.2. Visual aids 8.10.3. Acoustic aids 8.10.4. Radio aids 8.10.5. VTS 8.10.6. The Marking System Maritime IALA			

9.9.3. Projects

Mod	lule 9. Planning and Development of Infi	rastruc	ture and Environmental Sustainability				
9.1. 9.1.1. 9.1.2. 9.1.3.	Sustainable Port Planning Legislation: Fit for 55 and EU ETS Relations with other continents Relations with the International Maritime Organisation (IMO)	9.2.2.9.2.3.	Port planning instruments and adaptation to the new climate reality Master Plans Planning Tools for Infrastructure Development Port terminal design and redesign: electrification plans Sustainable port-city relations: Climate change and design of port-city spaces	9.3.9.3.1.9.3.2.9.3.3.	Environmental assessment of instruments port planning Programs for the development of infrastructure Evaluation of development plans infrastructure Evaluation of Infrastructure Projects	9.4.1.	Project financing of sustainable development of port infrastructure The European Investment Bank The World Bank The Inter-American Development Bank International investment funds Issuance of green bonds
9.5.1. 9.5.2. 9.5.3.	Ports and coastal erosion: Working with Nature Projects for the preservation of estuaries Coastal regeneration projects Projects for the re-use of sediments	9.6.2.	Renewable energy investment projects Wind power generation projects on shore and off shore Photovoltaic energy projects on shore and off shore Other renewable energy sources	9.7.1. 9.7.2. 9.7.3. 9.7.4. 9.7.5. 9.7.6.	Assessment of the profitability of investment projects. MEIPORT methodology Analysis of the project context and objectives Analysis of Alternatives Project definition Financial Analysis Economic Analysis Sensitivity and risk analysis	9.8. 9.8.1. 9.8.2. 9.8.3.	Applied BIM technology to ports Design of port terminals Design of dock electrification projects Design of access projects land to ports
9.9. 9.9.1. 9.9.2.	Monitoring instruments and protection of the marine environment Measuring nets: buoys, tide gauges and high frequency radar Elements for maritime climate prediction and change scenarios	9.10.1 9.10.2	Blue Economy Blue Economy Dimensions Projects for the preservation of marine ecosystems Ports and climate research centres and marine: towards a long-term relationship				

Module 10. Port Security and Security			
10.1. Port Security 10.1.1. Port Security 10.1.2. Safety and security 10.1.3. Regulations and international standards	 10.2. Technological and Industrial Safety in Ports 10.2.1. Management of dangerous goods 10.2.2. Prevention of industrial accidents 10.2.3. Safety procedures in the handling and transport of goods 	10.3. Port security Planning for the safety10.3.1. Threat identification and vulnerabilities10.3.2. Risk analysis and assessment protective10.3.3. Risk mitigation strategies. Protection plans	10.4. Physical and electronic protection 10.4.1. Design of physical protection systems 10.4.2. Access control and monitoring 10.4.3. Security technologies in ports
 10.5. Logical and cyber security in ports 10.5.1. Cyber threats and specific vulnerabilities 10.5.2. Strategies for port cybersecurity 10.5.3. Responding to cyber incidents 	10.6. Crisis and Emergency Management 10.6.1. Emergency response planning 10.6.2. Coordination with agencies public safety 10.6.3. Simulations and response exercises	 10.7. Relations with the Community and Communication in Crisis 10.7.1. Importance of communication with the community 10.7.2. Communication strategies in crisis situations 10.7.3. Corporate social responsibility in ports 	 10.8. Management of a Department security 10.8.1. Management of public and private security 10.8.2. Safety planning 10.8.2. Material Resources 10.8.3. Human resources management and training
10.9. Prevention and Protection 10.9.1. Recommendations for antisocial risks 10.9.2. Recommendations for fire risk 10.9.3. Recommendations for occupational risks	 10.10. Innovation and the Future of Port Security 10.10.1. Technological trends in port security 10.10.2. Artificial intelligence and data analysis 10.10.3. Preparing for future challenges 		



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.



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TECH Business School uses the Case Study to contextualize all content

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





This program prepares you to face business challenges in uncertain environments and achieve business success.



Our program prepares you to face new challenges in uncertain environments and achieve success in your career.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch to present executives with challenges and business decisions at the highest level, whether at the national or international level. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and business reality is taken into account.



You will learn, through collaborative activities and real cases, how to solve complex situations in real business environments"

The case method has been the most widely used learning system among the world's leading business schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question we face in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They must integrate all their knowledge, research, argue and defend their ideas and decisions.

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Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

Our online system will allow you to organize your time and learning pace, adapting it to your schedule. You will be able to access the contents from any device with an internet connection.

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our online business school is the only one in the world licensed to incorporate this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.



Methodology | 43 tech

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

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.

tech 44 | Methodology

This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



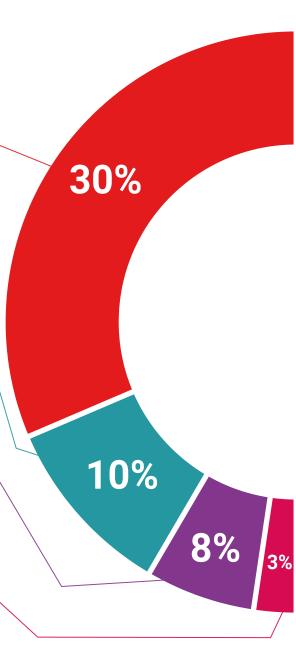
Management Skills Exercises

They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager needs to develop in the context of the globalization we live in.



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





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



Interactive Summaries

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

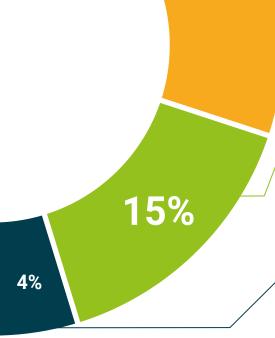


This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

Testing & Retesting

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

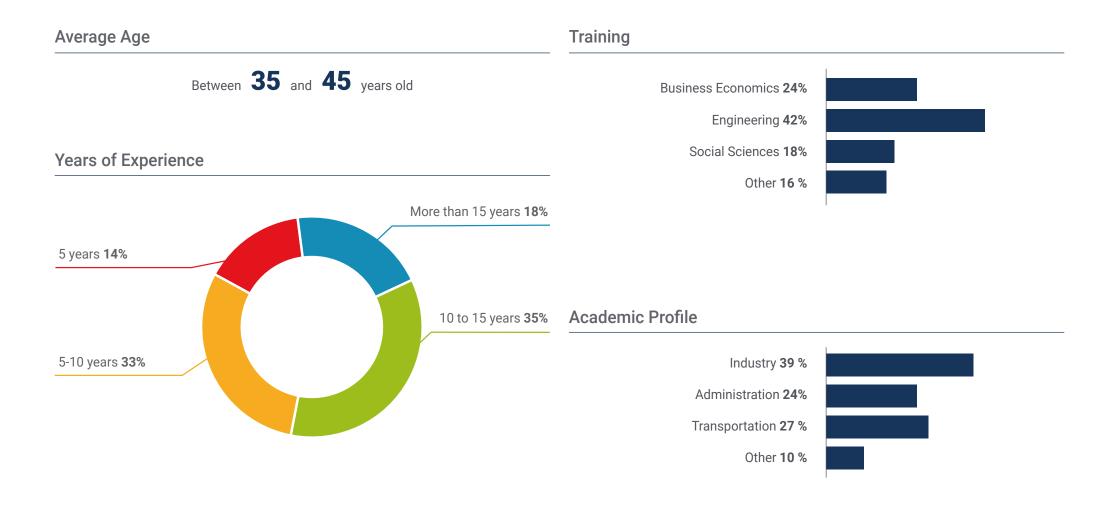


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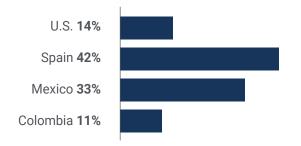




tech 48 | Our Students' Profiles



Geographical Distribution





Ruth Gutiérrez

Manager of logistic and harbor infrastructures

"This qualification enabled me to incorporate the most effective operation in the shipping company and also offer me different strategies to solve recurrent problems in this sector. This way, I achieved the promotion I was looking for in the company and consolidate myself in it"





Management



Mr. López Rodríguez, Armando

- Technical Consultancy Area Head in the Office of the President of Puertos del Estado
- Head of Strategic Planning Area in Puertos del Estado
- Project Manager at Puertos del Estado
- Head of the Resources and Information and Communications Technology Area at Puertos del Estado
- Head of the Development Area in Puertos del Estado
- Head of Corporate Relations Area in Puertos del Estado
- Head of Strategic Planning Area in Puertos del Estado
- Associate Professor at the School of Industrial Organization
- AENOR Associate Professor
- Associate Professor at UBT Lab
- Telecommunications Engineer from Polytechnic University of Madrid
- Degree in History from the National University of Distance Education (UNED)
- PhD in History from the National University of Distance Education (UNED)
- Professional Master's Degree in Advanced Methods and Techniques of Historical, Artistic and Geographical Research from the National Distance
- Education University (UNED)
- Postgraduate Certificate in Management Development Program (PDD) from the IESE of the University of Navarra

Professors

Mr. Emilio Martín Gasull

- Director Refrigerated Transport Division at Zanotti Appliance
- General Manager at HI Logistics Group
- Regional Director Levante at ERTRANSIT
- Branch Manager Levante at Agencia Fernández de Sola
- Intermodal Transport Division Manager at Kuehne & Nagel Spain
- Maritime Division Director Spain and Portugal at DHL Global Forwarding
- Intermodal Transport Division Manager at DHL Global Forwarding
- Regional Technical Director at JF Hillebrand Spain
- Maritime and Inland Logistics Director at Evergreen Shipping Spain
- Teacher in the Professional Master's Degree in Port Management and Intermodal Transport
- Degree in Law from the University of Valencia Academic Background
- Commissioner of Average by the College of Merchant Marine Officers

Dr. López Ansorena, César

- Postgraduate Diploma in Port Management
- Port Facility Security Officer by competent authority in the field of maritime security
- Director of Private Security recognized by the Ministry of the Interio
- PhD in Civil Engineering Systems (Land and Environment Program)
 with Outstanding Cum Laude from the Polytechnic University of Madrid
- Civil Engineer from the Polytechnic University of Madrid
- Professional Master's Degree in Intelligence Analysis

Ms. Ana María García

- Chief Advisor to the Presidency of ESPO
- Head of State Port Planning Area
- Head of Human Resources Development in Ports of the State
- Transport and Industry Business Development Manager at Indra
- Head of the Technical Department of Commercial and Marketing in Ports of the State
- Professor of the Professional Master's Degree of Port Management and Planning and Intermodality
- Degree in Psychology Specialty Psychology of Work and Organizations from the Pontifical University of Comillas (ICAI-ICADE) and Complutense University of Madrid
- Professional Master's Degree in Business Administration, IESE, from the University of Navarre
- Leadership Program in Public Management, IESE, by the University of Navarra
- Member of: Port Governance Committee, Member of the General State Administration in the Port Authorities of Motril, Vigo, Gijón, A Coruña, Alicante, Tenerife and Cartagena

Mr. Lubián García, José Miguel

- Postgraduate Diploma in human resources management in the port sector
- HR consultant
- Direction and coordination of the Master of Port Management of State Ports
- Professor at INAP, IIR and EOI
- Deputy Director of Port Studies
- Deputy Director of Business Plans
- Deputy Director of HR

tech 54 | Course Management

Mr. Martín Santodomingo, Francisco Javier

- Deputy Director of Operation and Navigation Aids in Ports state
- Head of Division for Maritime Works Projects in the Dragados Group and Construction
- Professional Master's Degree in Port Management and Planning and Intermodality in Ports of the State, Polytechnic University of Madrid, University of Oviedo, University of Cádiz and University of A Coruña
- Engineer of Roads, Canals and Ports with the specialty in Transport by the Polytechnic University
- Professiona Master's Degree in European Union from the Polytechnic University of Madrid
- Professional Master's Degree in Port Management and Intermodal Transport by ICADE at the Pontifical University of Comilla
- Head of HR Organization and Planning Area
- Degree in Economic and Business Sciences from the Autonomous University of Madrid
- Professional Master's Degree in Human Resources Management by Business School Executive in Port Sector Management from IESE Business School
- Member of: Board of Directors of the Port Authorities of Castellón, Tarragona, A Coruña, Almería and Pasaje

Mr. Muriente Núñez, Carlos

- Naval and Oceanic Engineer at Alten Spain
- Degree in Naval Architecture, Polytechnic University of Madrid
- Professional Master's Degree in Naval and Ocean Engineering, Polytechnic University of Madrid
- Professional Master's Degree in Renewable Energies from TECH Technological University of Madrid
- Course on Future in Materials of the Future in Industry, Construction and Technology by the Polytechnic University of Madrid







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

TECH's Professional Master's Degree in Port Management and Intermodal Transportation is an intensive program that prepares you to face challenges and business decisions in the port sector. Its main objective is to promote your personal and professional and professional growth. Helping you achieve success.

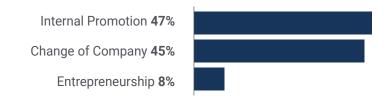
Increase your vision of the port sector and successfully plan its management in the short, medium and long term.

You will achieve the salary increase you are looking for after completing this Professional Master's Degree

When the change occurs



Type of change



Salary increase

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

\$60,000

A salary increase of

25%

\$75,000





tech 62 | Benefits for Your Company

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



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.



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.



Building agents of change

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



Increased international expansion possibilities

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





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.



Increased competitiveness

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







tech 66 | Certificate

This program will allow you to obtain your **Postgraduate Diploma in Port Management** and Intermodal Transportation endorsed by **TECH Global University**, the world's largest online university.

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

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

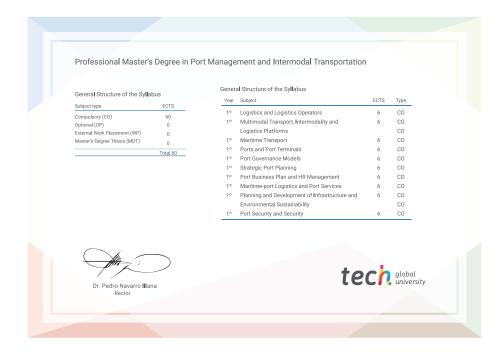
Title: Postgraduate Diploma in Port Management and Intermodal Transportation

Modality: online

Duration: 12 months

Accreditation: 60 ECTS





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



Professional Master's Degree

Port Management and Intermodal Transportation

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Global University
- » Credits: 60 ECTS
- » Schedule: at your own pace
- » Exams: online

