Postgraduate Diploma
Airport Management

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Postgraduate Diploma
Airport Management

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

Website: **www.techtitute.com/in/engineering/postgraduate-diploma/postgraduate-diploma-airport-management**

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01

Introduction

Specialization in Airport Management is essential to be able to work in this field, as it is an activity aimed at managing these large spaces in which different aspects of different nature interfere, all of them extremely important: environmental impact, security in airport spaces or the handling of fuels within them. This educational program is focused on providing updated content in this field and to offer content developed in parallel to the progress and advances that are taking place in relation to Airport Management. A training in online format, which makes available to the student all the multimedia material on the virtual platform, which, in turn, is created by prestigious experts in the field.

Introduce yourself or update your port management knowledge with this online program"

Airport Management has been evolving and changing over the years, adapting to the demands of a sector that is frequently regulated due to changes in security, environmental and other protocols. Therefore, it is important to stay updated or to be aware of these issues in order to be able to work in this field.

This Postgraduate Diploma in Airport Management focuses on the organizational and administrative issues of the areas that require the most attention at the airport. Among them, the educational program starts with the land side and terminals of the airport, with its connections to the outside, signage and the various spaces that make it up.

To continue, there is a complete section dedicated to the airport manual, the contractual document and the most important starting point of these spaces for their possible operation. It covers some important factors such as security issues, registrations, work permits, etc. There is also a module dedicated to multi-management and, finally, a section dedicated to understanding the systemic functioning of the airport.

An educational program with an online format to make it easier to combine routine and other professional or personal projects with continuous recycling. In addition, Relearning pedagogical methodology is used, based on learning by imitation and putting into practice the knowledge learned. Users can progress through the content at their own pace and speed, only requiring an internet connection and an electronic device from which to connect.

This **Postgraduate Diploma in Airport Management** contains the most complete and up-to-date program on the market. The most important features include:

- The development of case studies presented by experts in airport management
- The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- Practical exercises where the process of self-assessment can be used to improve learning
- Its special emphasis on innovative methodologies
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection

Don't wait any longer: prioritize your professional future with this fully online program"

With this Postgraduate Diploma in Airport Management, you will become an expert in the field as well as make your CV more competent"

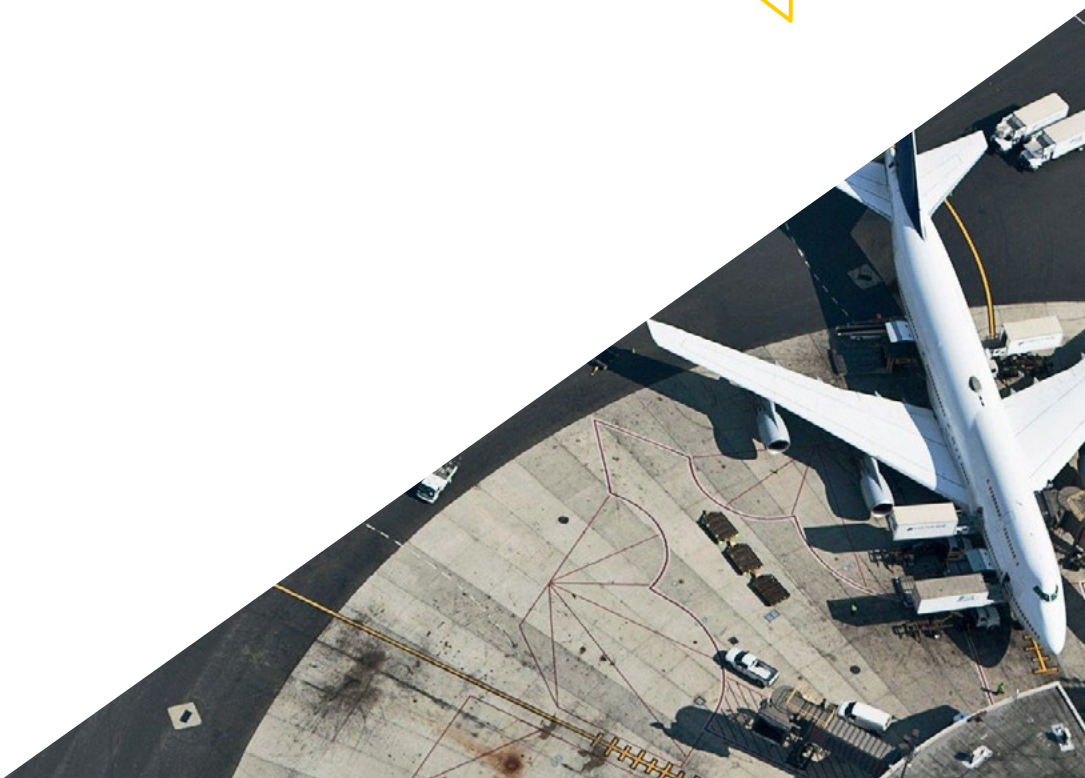
Redirect your professional career with this online Postgraduate Diploma in Airport Management.

Learn how to effectively manage the different infrastructures that make up an airport.

The program's teaching staff includes professionals from the sector who bring to this program the experience of their work, in addition to recognized specialists from prestigious reference societies and universities.

Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning, that is, a simulated environment that will provide an immersive education programmed to prepare in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.



02

Objectives

The purpose of this Postgraduate Diploma is to provide the professional with skills for Airport Management. This study plan aims for the graduate student to acquire not only theoretical notions and knowledge, but also practical and, above all, professional skills to successfully manage any area or infrastructure that is part of an airport. Therefore, by taking this Postgraduate Diploma, the professional will be qualified to be responsible for the management of the airport areas that form part of an airport.

Acquire professional judgment and professional skills to be responsible for or manage any area of an airport"

General Objectives

- Identify the state of the art regarding rail connections to airports
- Detail the functional problems of airport accesses
- Know the airport accesses and airport parking areas
- Master the functional requirements of each terminal area
- Master terminal simulation software

Add value to your resume and career with this Postgraduate Diploma in Airport Management"

Specific Objectives

Module 1. Landside and Terminal

- Identify the state of the art regarding rail connections to airports
- Detail the functional problems of airport accesses
- Know the airport accesses and airport parking areas
- Master the functional requirements of each terminal area
- Master terminal simulation software

Module 2. Operations Manual

- Master the contents of the airport manual
- Delve into the content of the access control procedure
- Master the content of the procedure for the control of inspections of the movement area
- Know the contents of the procedure for work on the aerodrome
- Identify the contents of the apron management procedure
- Recognize the content of the wildlife hazard management procedure
- Know the content of the surface and protection area control procedure
- Master the content of the procedure for the transfer of disabled aircraft
- Know the content of other procedures affecting operation and exploitation (maintenance, degraded atmospheric conditions, and aircraft operations beyond those authorized)

Module 3. Multi-Management

- Examine the existence and scope of the airport regulatory document, as well as the operational safety management systems
- Examine the existence and scope of environmental management systems
- Determine the existence of the quality system and processes, safety management systems and their scope
- Delve into the existence of CGA and CEOPS management centers and their functions
- Know the particularities of the network operation and its impact on the HR involved
- Detail the annual budgets
- Identify the particularities of the change management process for the maintenance of the airport certificate

Module 4. Systemic Airport Management

- Identify the relationships of each stakeholder in the management of an airport
- Delve into the use of scorecards as a decision-making tool
- Master the global management of an airport

03

Course Management

Highly prestigious professionals in the sector and experts in the field are part of the management and teaching staff of this Postgraduate Diploma. With the best pedagogical resources and a long professional trajectory, they guarantee the best theoretical and practical learning, but also the acquisition of professional skills and abilities for the performance of work challenges. In addition, they will always be available to assist and and tutor the student during the course of the program.

Learn from the best experts in a growing and changing industry, acquire professional skills to face new job challenges"

Management

D. Moreno Merino, Rafael

- High Speed Projects Technician. Risk Assessment Expert at INECO
- Airport Maintenance Project Manager at INECO
- Engineer at INECO
- Director of the Master's Degree in Project, Construction and Operation of Airport Infrastructures
- Head of Occupational Risk Prevention and Production at ACCIONA
- Professional Master's Degree in Business Administration at Polytechnic University of Madrid
- Professional Master's Degree in Business Administration from Polytechnic University of Madrid
- Degree in Civil Engineering from Universidad Católica San Antonio de Murcia

Departures

04

Structure and Content

The content of this program is structured in 4 modules that contemplate notions about everything necessary to correctly manage the airport infrastructure, being therefore the first module related to the ground side of the airport and the terminal, the second is related to the airport manual. The third module deals with multi-management and different aspects related to it, and the fourth and last module deals with systemic airport management.

Content that is up to date and progresses in parallel with the advances and developments in the sector"

Module 1. Landside and Terminal

1.1. Railway Accesses
- 1.1.1. Metro
- 1.1.2. AVE
- 1.1.3. Suburban
- 1.1.4. Streetcars

1.2. Access for Vehicles and Municipal Services
- 1.2.1. Private Vehicle Access
- 1.2.2. Cab Exchange and VTC Platforms
- 1.2.3. Bus Stations
- 1.2.4. Municipal Police and Tow Truck

1.3. Public and Staff Parking Lots
- 1.3.1. Design
- 1.3.2. Construction
- 1.3.3. Operation

1.4. The Terminal Surgery Area
- 1.4.1. Dimensioning
- 1.4.2. Functionality
- 1.4.3. Operation

1.5. The Terminal Surgery Area
- 1.5.1. Dimensioning
- 1.5.2. Functionality
- 1.5.3. Operation

1.6. Baggage Claim Area
- 1.6.1. Dimensioning
- 1.6.2. Racetracks
- 1.6.3. Operation

1.7. The Terminal Commercial Areas
- 1.7.1. Passenger Flows Domestic and International Flights
- 1.7.2. Commercial Areas Location
- 1.7.3. Security Filter Management

1.8. Accessibility and Signage
- 1.8.1. Accessibility
- 1.8.2. Signage
- 1.8.3. Wayfinding Intelligent

1.9. Airport Passenger Services
- 1.9.1. Information
- 1.9.2. PMRs
- 1.9.3. Facilities

1.10. Airport Software
- 1.10.1. ARTport Utilities
- 1.10.2. ARTport Operation

Module 2. Operations Manual

2.1. Structure and Maintenance of the Airport Manual
- 2.1.1. Structure and Contents of the Manual
- 2.1.2. Operational Uses Document
- 2.1.3. Manual Updates Change Management

2.2. Access Control to the Movement Area
- 2.2.1. Mandatory Controls Scope
- 2.2.2. Random Checks
- 2.2.3. Records

2.3. Inspections of the Movement Area
- 2.3.1. Track Inspections Methodology. Frequency (F)
- 2.3.2. Other Inspections
- 2.3.3. Records

2.4. Work at the Airfield
- 2.4.1. Instructions for the Execution of in Airports Works
- 2.4.2. Work Permits
- 2.4.3. Records

2.5. Platform Operation
- 2.5.1. Platform Operation
- 2.5.2. Platform Saturation
- 2.5.3. Platform Management Software Restrictions and Incompatibilities
- 2.5.4. Other situations
- 2.5.5. Records

2.6. Wildlife Hazard Management
- 2.6.1. The Wildlife Coordinator
- 2.6.2. Bird Repellents
- 2.6.3. Wildlife Control Programs
- 2.6.4. Obligations
- 2.6.5. Records

2.7. Control of Airport Protection Areas and Surfaces
- 2.7.1. Surveillance Inside the Airport
- 2.7.2. Frangibility
- 2.7.3. Surveillance Inside the Airport
- 2.7.4. Records

2.8. Transfer of Disabled Aircraft
- 2.8.1. BORRAR
- 2.8.2. Necessary Resources Agreements
- 2.8.3. Records

2.9. Nexus planes
- 2.9.1. Air side Infrastructure plans
- 2.9.2. Operational Drawings
- 2.9.3. Maintenance and Updating of Plans

2.10. Other Operational Procedures
- 2.10.1. Maintenance Plans
- 2.10.2. Operations in Non-Standard Weather Conditions
- 2.10.3. Higher Key Aircraft Operations Affections to Pavements

Module 3. Multi-Management

3.1. The Airport Regulatory Framework AESA
- 3.1.1. Legal Framework
- 3.1.2. AESA and EASA Lines of Action
- 3.1.3. AESA Inspection Activity

3.2. DORA
- 3.2.1. Investment Obligations
- 3.2.2. Planned Airport Capacity
- 3.2.3. Pricing
- 3.2.4. Ministerial Follow-Up

3.3. SGSO
- 3.3.1. Structure of SGSO
- 3.3.2. Risk Management
- 3.3.3. Annual Operational Safety Program

3.4. Security/Safety
- 3.4.1. Security Responsible Parties. FFCCSSEE
- 3.4.2. Airport Security Management
- 3.4.3. Safety Versus Convenience

3.5. Environmental Management Systems
- 3.5.1. The Environmental Management System
- 3.5.2. Noise Actions
- 3.5.3. Actions on Light Pollution
- 3.5.4. Other Lines of Action

3.6. Quality
- 3.6.1. The Quality Management System
- 3.6.2. The Quality of Aeronautical Data
- 3.6.3. Quality Required from Suppliers
- 3.6.4. Internal Audits and Other Actions

3.7. The EGC and CEOPS
- 3.7.1. CEOPS Aeronautical Management
- 3.7.2. CGA Airport Management
- 3.7.3. Coordination with Air Navigation

3.8. Networks Management and HR Management
- 3.8.1. Network Concept
- 3.8.2. Alternative Airport
- 3.8.3. HR Management H24; H12
- 3.8.4. Agreements

3.9. Annual Budget
- 3.9.1. Aeronautical Revenues
- 3.9.2. Aeronautical Revenues
- 3.9.3. Annual Budget Follow-Up and Compliance
- 3.9.4. Restrictions and Financial Obligations

3.10. Change Management for Certificate Maintenance
- 3.10.1. Information and Authorization from AESA
- 3.10.2. Change Request File
- 3.10.3. HR Training for Change

Module 4. Systemic Airport Management

4.1. Air Transportation
- 4.1.1. Elements of Air Transportation
- 4.1.2. Air Transport Institutions
- 4.1.3. Impact on Socioeconomic Development
- 4.1.4. Relationship of Air Transportation with Other Transportation Systems

4.2. Airport Technical Office
- 4.2.1. Air Side Plans
- 4.2.2. Land Side Plans
- 4.2.3. As Built and DFO
- 4.2.4. Other functionalities

4.3. Infrastructure
- 4.3.1. Interrelation Between Track and Shooting
- 4.3.2. Interrelation between Track and Platform
- 4.3.3. Interrelation between Track and Electrical Systems
- 4.3.4. Runway Extensions
- 4.3.5. Track Reductions
- 4.3.6. Platform Modifications

4.4. HR at Airports
- 4.4.1. Airport Buses
- 4.4.2. Public Service
- 4.4.3. Agreements

4.5. Financial Management
- 4.5.1. Aeronautical Revenues
- 4.5.2. Aeronautical Revenues
- 4.5.3. Project Profitability

4.6. The Airport's Public Service
- 4.6.1. Territorial Cohesion
- 4.6.2. Non-Commercial Flights
- 4.6.3. Utility Flights

4.7. Types of Files
- 4.7.1. State Contracts Law
- 4.7.2. Contests
- 4.7.3. Grants

4.8. Airport Project Management
- 4.8.1. The Airport Project Manager
- 4.8.2. Scope
- 4.8.3. Cost Estimation and Control
- 4.8.4. Project Quality Management
- 4.8.5. Contractual Term. Project Planning
- 4.8.6. Transition and Training

4.9. The Scorecard at the Airport
- 4.9.1. Descriptive Scorecards
- 4.9.2. Control Panels
- 4.9.3. Implementation of the Scorecard in Airport Management
- 4.9.4. Case Study

4.10. The Systemic Approach to the Airport
- 4.10.1. Relationships between Infrastructure and Operations
- 4.10.2. Relationships between Infrastructure and HR
- 4.10.3. Relationships between Operation and HR

05

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"

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"

You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.

The student will learn to solve complex situations in real business environments through collaborative activities and real cases.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. 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 professional reality is taken into account.

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

The case method is the most widely used learning system in the best faculties in the world. 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 that you are presented with in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

Relearning Methodology

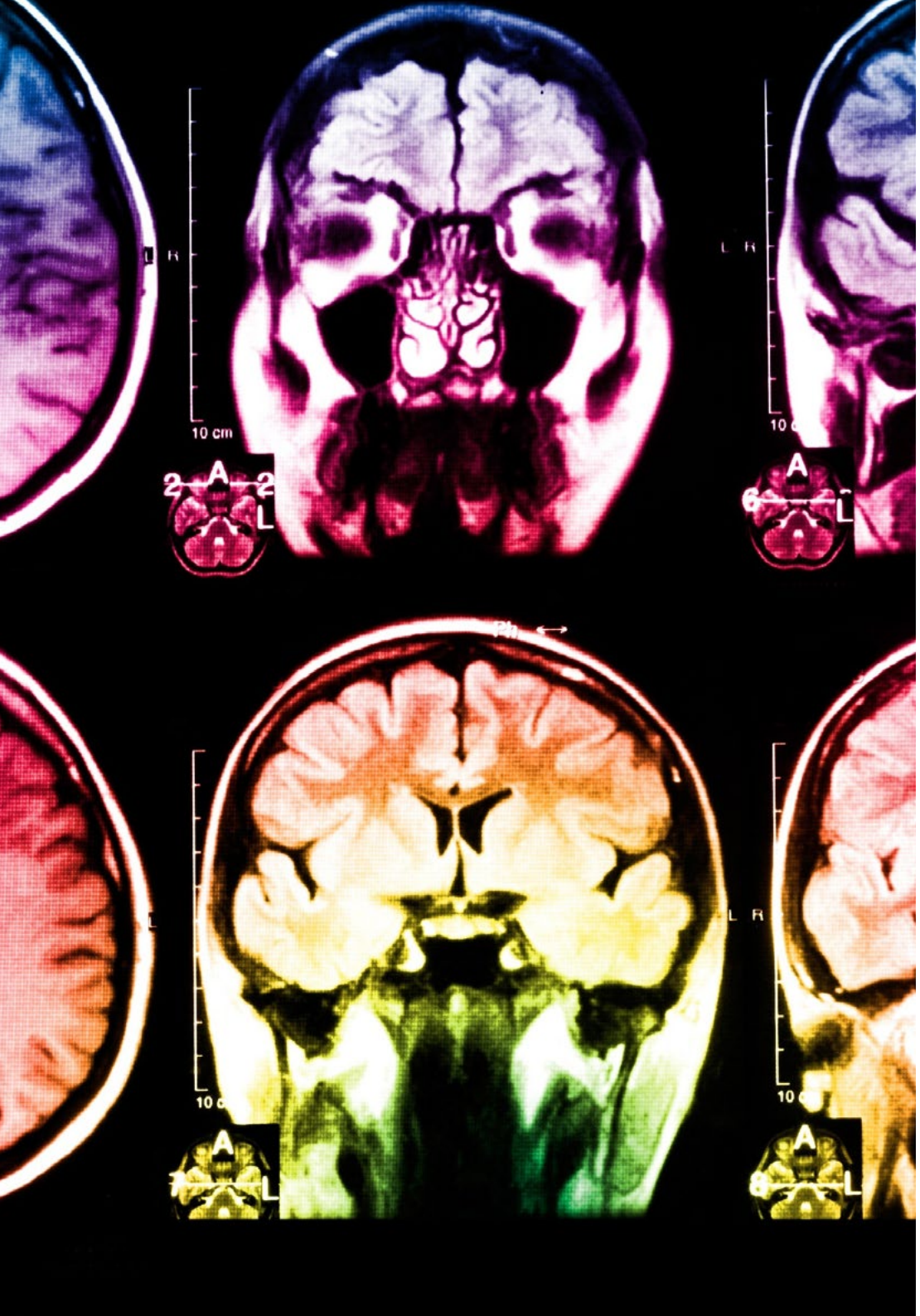
TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

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

In 2019, we obtained the best learning results of all online universities in the world.

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 university is the only one in the world authorized to employ 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. This methodology has 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, and financial markets and 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 training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for 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.

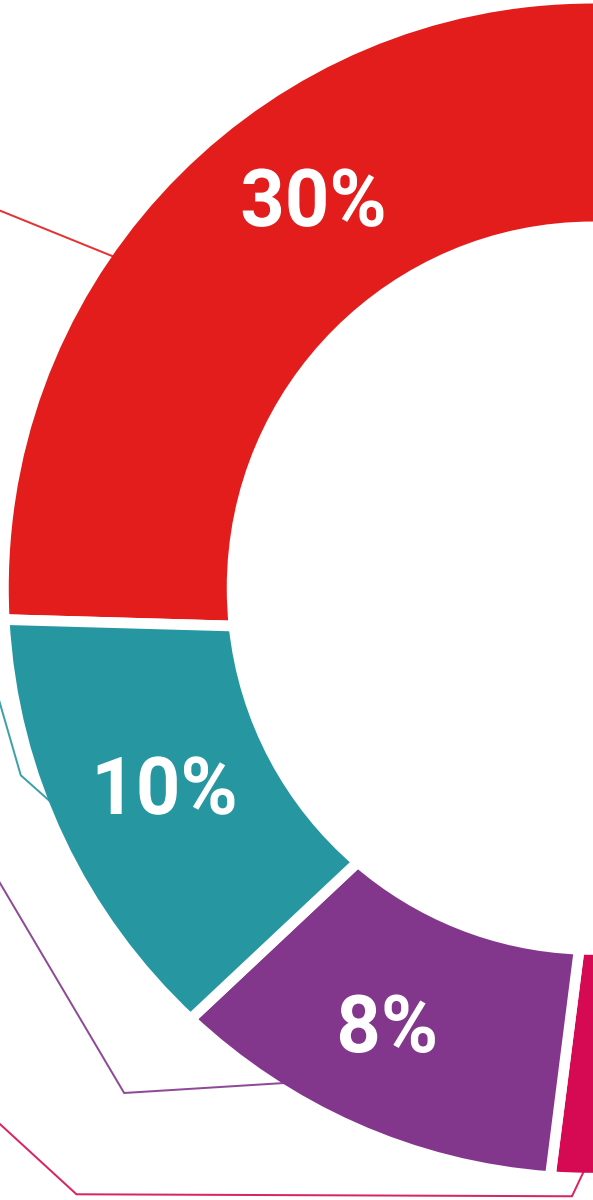
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

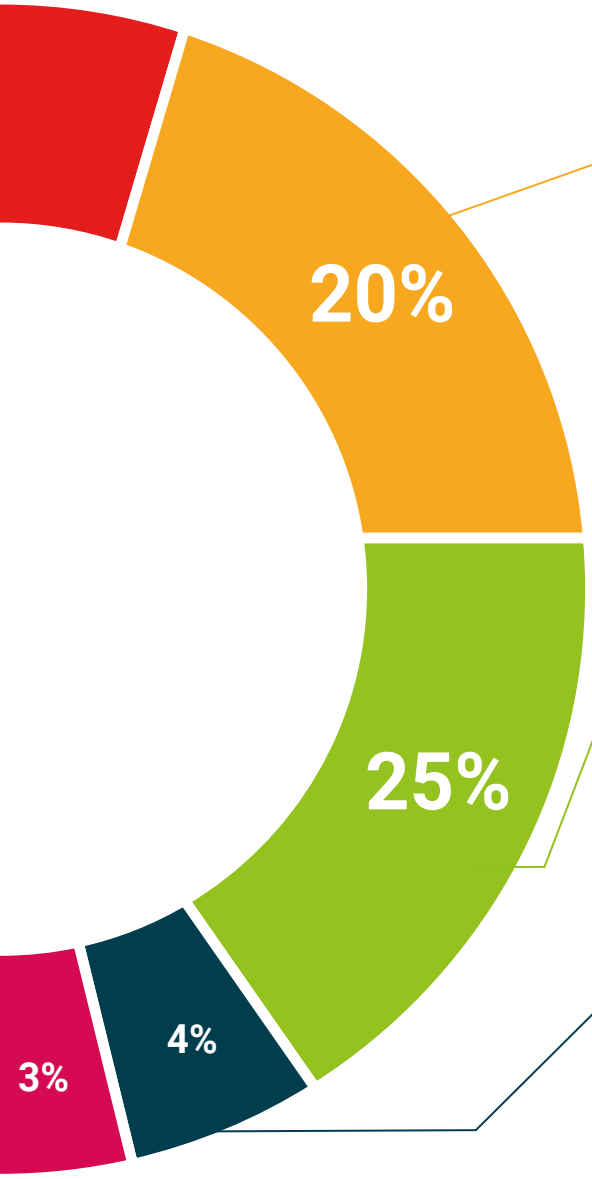
Practising Skills and Abilities

They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.

Additional Reading

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





Case Studies

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

06

Certificate

The Postgraduate Diploma in Airport Management guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma 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 Diploma in Airport Management** 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 Diploma** issued by **TECH Technological University** via tracked delivery*.

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

Title: **Postgraduate Diploma in Airport Management**

Official Nº of hours: **600 h.**

tech technological university

Awards the following

CERTIFICATE

to

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

For having passed and accredited the following program

POSTGRADUATE DIPLOMA

in

Airport Management

This is a qualification awarded by this University, equivalent to 600 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

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

*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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Postgraduate Diploma
Airport Management

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

Postgraduate Diploma
Airport Management

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