Postgraduate Certificate
The Airport Manual

tech *technological university*

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Postgraduate Certificate
The Airport Manual

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

Website: **www.techtitute.com/us/engineering/postgraduate-certificate/airport-manual**

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01
Introduction

There is a document that is the starting point and main contractual element for each airport called the Airport Manual. It is a mandatory document that delves into the way in which the airport manager has been authorized by the aeronautical authority to operate at the airport. Knowing the procedures that have more implication in the airport operation, as well as learning how to analyze the airport's to analyze the annex airport plans and know how to consult its chapters is the purpose of this educational program. This is a totally online program that will be very useful for professionals in the field, who will be able to use this manual whenever they need it.

" *It comprises all the dimensions that make up the Airport Manual, the document that is the starting point for airport infrastructures"*

This Postgraduate Certificate is a guide to learn how to consult, understand and use the Airport Manual, the most important contractual document for the operation of airport infrastructures. Therefore, you will be able to know in greater depth the procedures that have more implication in the airport operation and the reading of its different sections.

The content of this educational program is of a specialized nature and covers both the more formal and operational aspects of this manual. It goes in depth into access control, airside inspections, airfield work procedures, apron operations, wildlife risk management, control of protection areas and surfaces.

A section is dedicated to analyzing the airport plans annex, a section that gathers the necessary information to determine the state of the airport's airside infrastructures. The module dedicates a topic to examine chapters of the Airport Manual related to the operation or construction of infrastructures.

As can be seen, a complete study plan on everything there is to know about the Airport Manual, in a fully online training made up of the most up-to-date pedagogical resources and multimedia material. In addition, it is tutored by a teaching staff made up of prestigious professionals in the sector.

This **Postgraduate Certificate in The Airport Manual** 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 infrastructure operation through the use of the Airport Manual

- The graphic, schematic, and practical contents with which they are created, provide practical information on the disciplines that are essential for professional practice

- Practical exercises where the self-assessment process can be carried out 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

Thanks to this training you will delve into the Airport Manual and be able to interpret and use it for the operation of airport infrastructures"

" Update your knowledge without sacrificing other personal or professional projects with this fully online program and all its content offered on the virtual platform"

Learn how to manage and operate airport infrastructures through the Airport Manual.

With an excellent teaching staff that will follow you throughout the duration of this Postgraduate Certificate, there will be no doubt that can be left unresolved.
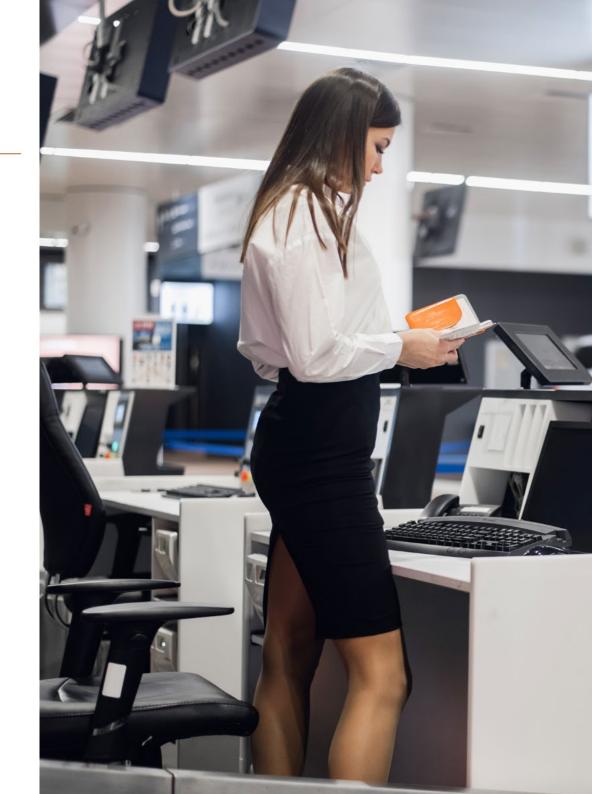
The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn 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 educational program is to learn the procedures that have the most implication in airport operation, as well as to learn how to analyze the airport's annex plans and to know how to consult its chapters in relation to the management and operation of the airport. TECH Technological University divides its study plans by objectives in order to make it easier to acquire knowledge progressively.

The objective of this Postgraduate Certificate is to learn how to use all the possibilities offered by the Airport Manual in the operation of airport infrastructures"

General Objectives

- Provide the professional with the specific and necessary knowledge to perform with a critical and formed opinion in any phase of planning, design, construction or operation of the airport
- Determine the problems of airport design and look for solutions adjusted to the airport's needs
- Master the main constraints involved in an airport project
- Acquire a specialized approach and be able to monitor the management of any airport department
- Apply the latest techniques used in the industry today
- Outline the new trends that airports plan to implement in the post-COVID era
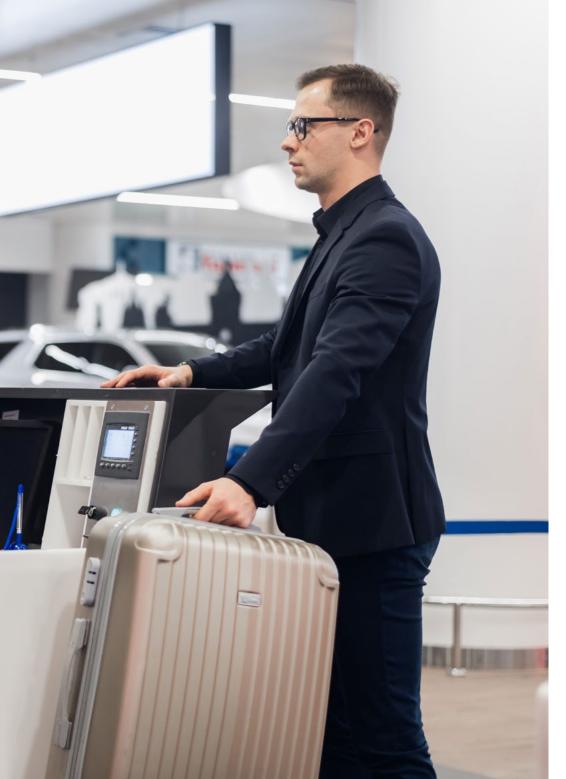- Deepen the knowledge of the different critical and common airside infrastructures and their design

Specific Objectives

◆ 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)

Learn how to master the Airport Manual just like real professionals in the industry do"

03

Course Management

A group of professional experts in airport planning, construction and operation make up the management and teaching staff of this comprehensive Postgraduate Certificate. They have developed the curriculum based on the main requirements to be met by professionals in the field. In addition, they have all worked at the forefront of a growing industry, and have backed up this experience with their specialized studies and research. They will be available to answer any questions or issues that arise during the program.

"The expert faculty members of this Postgraduate Certificate are professionals who have worked at the forefront of this sector"

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 San Antonio Catholic University of Murcia

Professors

Ms. Redondo de la Mata, Elisa
- Aerospace Engineer Aviation and Safety Expert
- System security engineer. Plan Safe, Australia
- Expert in Airport Operations Security. Aena
- Team Leader of airport projects at Ineco
- ATCO training specialist. SAERCO (Aeronautical services control and navigation S.L)
- ATM security specialist. FerroNATS
- Degree in Aerospace Engineering, Navigation and Aerospace Systems. Polytechnic University of Madrid
- Professional Master's Degree in Industrial Management, Project Management. Polytechnic University of Madrid
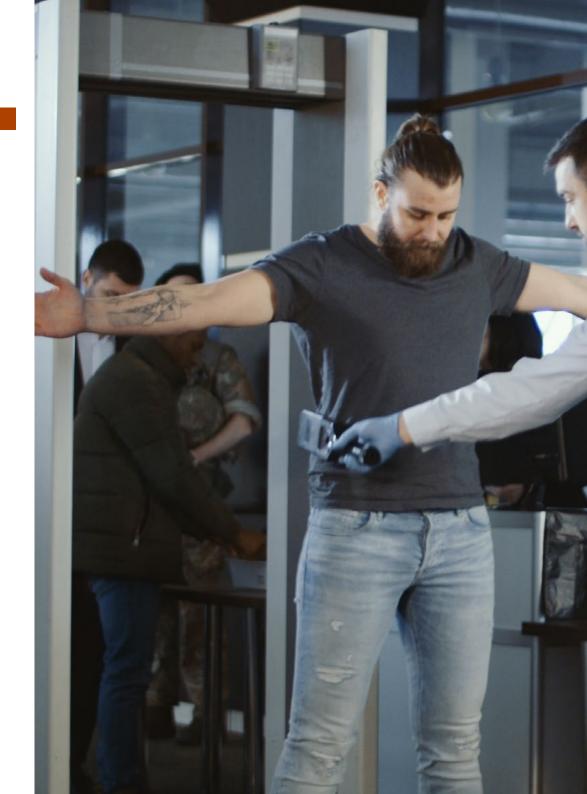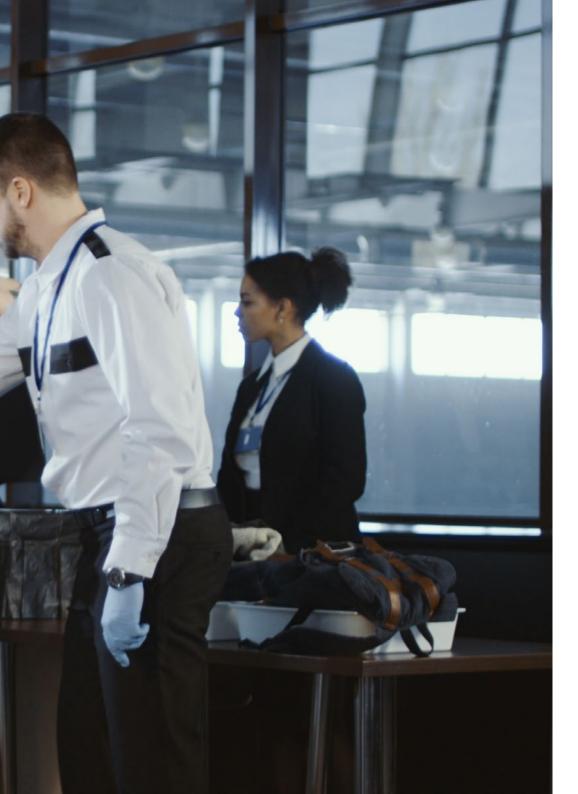
04

Structure and Content

Organized in convenient subsections and sections, this Postgraduate Certificate in Airport Manual has a specific purpose: that this document is mastered to perfection to be used at the convenience of the possible professional challenges that may arise. Several important aspects of the content are distinguished, such as the in-depth study of the chapters of special interest, their interpretation and their application in the practical dimension.

"

In this Postgraduate Certificate, in addition to going deeper into the chapters of special interest of the Airport Manual, you will learn to how to use its practical dimension"

In 10 simple subsections you will be able to understand and apply the Airport Manual when you need it"

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.

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.

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

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.

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. 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.

30%

10%

8%

20%

25%

4%

3%

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 Certificate in The Airport Manual 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 The Airport Manual** 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** diploma 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 The Airport Manual**

Official Nº of hours: **150 h.**

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Awards the following

DIPLOMA

to

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

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

The Airport Manual

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

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 diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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