Postgraduate Certificate

Security, Security against Unlawful Acts against Civil Aviation, AVSEC
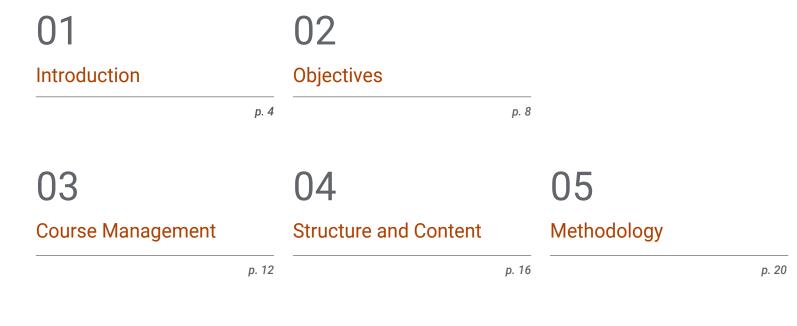
tech technological university

Postgraduate Certificate
Security, Security against Unlawful Acts against Civil Aviation, AVSEC

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

Website: **www.techtitute.com/in/engineering/postgraduate-certificate/security-security-against-unlawful-acts-against-civil-aviation-avsec**

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01
Introduction

The 9/11 attacks marked a turning point in civil aviation and the security measures implemented for both aircraft and airport infrastructures. For this reason, from the conception of new facilities, their remodeling or in the daily management, both the existing regulations and the indispensable elements to guarantee them are taken into account. For this, the engineers must be aware of the evolution of the attacks suffered, as well as the corrections made in equipment, air cargo or aircraft themselves. Thus, this 100% online program was born, which offers students a unique learning opportunity in this field through a syllabus prepared by real specialists in the sector.

Enroll now in a 100% online Postgraduate Certificate that will allow you to update your knowledge in Security against Unlawful Acts against Civil Aviation"

In the development of the aeronautical sector, it has had to face numerous challenges that go beyond aerodynamics or the reduction of polluting gas emissions into the atmosphere. The acts of hijacking of airplanes or attacks as transcendental for the world as the one that happened in the United States in 2001 have led to a continuous evolution and adaptation of security measures both in the airlines themselves and in the equipment and facilities.

A reality, where the engineering professional contributes an essential value in the design and planning of airport infrastructures, manufacture and maintenance of aircrafts. A deep knowledge that will be easier to obtain thanks to this Postgraduate in Security, Security against Unlawful Acts against Civil Aviation, AVSEC of only 6 weeks of duration.

It is an academic itinerary of 150 teaching hours that brings together the most important information on national and international regulations on security, how to integrate it into the different airports and airlines, as well as the promotion of security culture and the involvement of all industry players.

An advanced syllabus that, multimedia pills, specialized readings and Simulation studies are available 24 hours a day, from an electronic device with an Internet connection. Furthermore, thanks to the *Relearning* method, based on the reiteration of key concepts, students will not invest a large number of hours of study time.

TECH offers a unique opportunity to obtain a first class education through a flexible program. The fact is that, with no classroom attendance or fixed class schedules, the graduates will have greater autonomy to manage their time to access the program and reconcile their professional and/or personal activities with a quality academic proposal.

This **Postgraduate Certificate in Security, Security against Unlawful Acts against Civil Aviation, AVSEC** contains the most complete and up-to-date program on the market. The most important features include:

- Development of case studies presented by experts in Aeronautical engineering
- 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 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

Promotes projects in aeronautical engineering according to the measures and elements of indispensable security to avoid illicit acts"

Do you want to be aware of the promotion of safety culture and its promotion in the aeronautical sector? Do it now with this Postgrauate Certificate.

"
An academic itinerary of 150 hours of the most relevant information on special measures and regulations of reference in Airline Security"

With this program, delve into the influence of safety in the design of airports and integrate it into your engineering practice.

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.

Its multimedia content, developed with the latest educational technology, will provide the professionals with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professionals must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the students will be assisted by an innovative interactive video system created by renowned experts.

Objectives

TECH provides the graduates with first level pedagogical tools that will allow them, throughout 6 weeks, to increase their knowledge on Security against Unlawful Acts against Civil Aviation and integrate it in their future professional projects. In this way, this academic institution provides an education with a theoretical-practical perspective that will lead the engineers to enhance, in a short time, their skills and abilities in this booming sector.
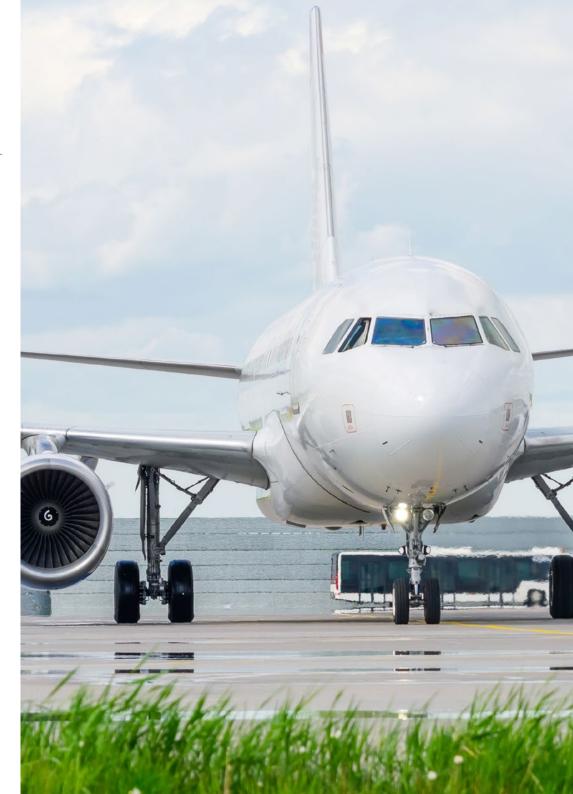
" *The simulated scenarios in this program will allow you to learn the methods used to ensure quality in the application of safety*"

General Objectives

- Provide the professionals with the specific and necessary knowledge to perform, with a critical and informed opinion, in any phase of planning, design, manufacture, construction or operation in the various companies of the aviation sector

- Identify the problems in aeronautical designs and projects in order to know how to propose effective, viable and sustainable overall solutions

- Acquire the fundamental knowledge of existing technologies and innovations under development in transport systems, in order to be able to conduct research, development and innovation studies in aeronautical companies and technology centers

- Analyze the main conditioning factors involved in the aeronautical activity and how to efficiently apply the latest techniques used in the aviation sector today

- Acquire a specialized approach and be able to monitor the management of any aeronautical department, as well as to execute the general management and the technical management of designs and projects

- Delve into the knowledge of the different critical aeronautical areas according to their different relevant actors, as well as achieve the knowledge, understanding and ability to apply the applicable aeronautical or non-aeronautical legislation and regulations

Specific Objectives

- Examine national and international regulations
- Identify the most important aspects of implementing security measures
- Determine the various ways of reducing operational impact
- Analyze the human and material means used in the implementation of security measures
- Defining the safety culture and how to promote it
- Define how to ensure quality in the implementation of safety measures
- Propose how to integrate security into the daily operations of airports and airlines

It explores the different actors that influence the correct application of security measures in airport infrastructures"

03
Course Management

Students who access this Postgraduate Certificate will have at their disposal a syllabus prepared by distinguished professionals within the aeronautical and airport sector. Their excellent knowledge of this industry is a guarantee for the graduate who seeks to obtain the most current information on Security through the best experts. In addition, thanks to their proximity, you will be able to resolve any questions you may have about the content of this program.

"
TECH has selected a unique faculty with accumulated experience in the aeronautical sector that are a guarantee for the students"

Management

D. Torrejón Plaza, Pablo

- Engineering Technician at ENAIRE
- Head of the Regulatory Unit of the National Airports Autonomous Organization
- Head of the Analysis Section of the National Airports Autonomous Organization Cabinet of the General Director
- Head of the Operations Section, Head of the Airport Security Office and Service Executive at Tenerife Sur Airport
- Head of the Procedures and Organization Section in the Office of the General Director of Aena Airports
- Head of the Programming Department and in the Office of the President of Aena
- Head of the Institutional Coordination and Parliamentary Affairs Division
- Associate Professor and Collaborator in the Aeronautical Management Degree at the Universidad Autónoma de Madrid
- Head of the Regulatory Unit of the National Airports Autonomous Organization
- Head of the Analysis Section of the National Airports Autonomous Organization Cabinet of the General Director
- Head of the Operations Section, Head of the Airport Security Office and Service Executive at Tenerife Sur Airport
- Master's Degree in Airport Systems from the Polytechnic University of Madrid
- Master in Organizational Management in Knowledge Economy from the Universitat Oberta de Catalunya (Open University of Catalonia)
- Master's Degree in Executive MBA from the Instituto de Empresa in Madrid
- Aerospace Engineer from the University of León
- Aeronautical Technical Engineer by Universidad Politécnica de Madrid
- Aeronautical Manager from the Autonomous University of Madrid
- Honorary decoration "Alférez Policía Nacional del Perú Mariano Santos Mateos gran General de la Policía Nacional del Perú" for exceptional services in aeronautical consultancy and training

Professors

D. Sanz Dodero, José

- Head of Aena's Safety Regulations Department
- Head of Aena's Safety Division
- Head of the Airline Service Division of the Adolfo Suarez Madrid-Barajas Airport
- Head of the Management Office of the Adolfo Suarez Madrid-Barajas Airport
- Head of the Services Division, Adolfo Suarez Madrid-Barajas Airport
- Deputy Director of Adolfo Suarez Madrid-Barajas Airport
- Director of Security at the Ministry of the Interior
- Strategy Management and Planning at the University of Deusto
- International Consultant for New Slot Policy for El Salvador Airport; ORAT Project in Panama; DGAC Bolivia Transport Project or ACDM definition for Lima Airport, Peru
- AVSEC, IATA, ICAO trainer
- IATA courses in Emergency Management, Airport Certification, Airport Operations Management and Airport Facilitation
- Aeronautical Engineer from the Polytechnic University of Madrid
- Order of Merit of the Civil Guard with white badge
- Cross of Police Merit with white badge
- Commendation of Merit of Isabel la Catolica

04
Structure and Content

The academic itinerary of this Postgraduate Certificate leads students to know in detail all the material and human safety elements that influence Civil Aviation and the design of airport infrastructures. To this end, not only does it have an advanced syllabus, but the graduates also have access to numerous additional materials integrated in a very complete Virtual Library, accessible 24 hours a day, from an electronic device with Internet connection.

An advanced Civil Aviation Security syllabus based on the most comprehensive and current information"

Module 1. Security, Security against Unlawful Acts against Civil Aviation, AVSEC

1.1.   Security/Safety
    1.1.1.   Definition of Security according to ICAO Annex 17
    1.1.2.   History of Security
    1.1.3.   Evolution of Security Attacks/Measures

1.2.   Regulations
    1.2.1.   Security Regulations
    1.2.2.   International Civil Aviation and EU Regulations
    1.2.3.   One Stop Security and other agreements between countries

1.3.   Facilitation vs. Security/Safety
    1.3.1.   Analysis of the balance that must exist between security and facilitation for the correct functioning of the airport operation
    1.3.2.   Existing Regulations
    1.3.3.   Necessary Equipment

1.4.   Material Resources. Equipment
    1.4.1.   Available Equipment
    1.4.2.   Certification, Homologation
    1.4.3.   New Technologies

1.5.   Material Resources. Facilities
    1.5.1.   Integral Security Systems
    1.5.2.   Physical Resources
    1.5.3.   Electronic Security Means

1.6.   Infrastructure Planning
    1.6.1.   The influence of security on the design of airports
    1.6.2.   Materials
    1.6.3.   Passenger Flows
    1.6.4.   Adequate Facilities for Security Systems

1.7.   Human Resources
    1.7.1.   Education
    1.7.2.   Roles and Responsibilities
    1.7.3.   Management of Private Security Services

1.8.   Airline Security
    1.8.1.   Aircraft
    1.8.2.   Facilities
    1.8.3.   Reference Standards
    1.8.4.   Special Measures

1.9.   Air Cargo Security
    1.9.1.   Cargo
    1.9.2.   Mail
    1.9.3.   Onboard supplies
    1.9.4.   Airport supplies

1.10.   Safety Quality
    1.10.1.   Quality Control Plan
    1.10.2.   Audits
    1.10.3.   Corrective Actions

Analyzes through the most innovative didactic material the evolution of the rules that regulate against unlawful acts in civil aviation"

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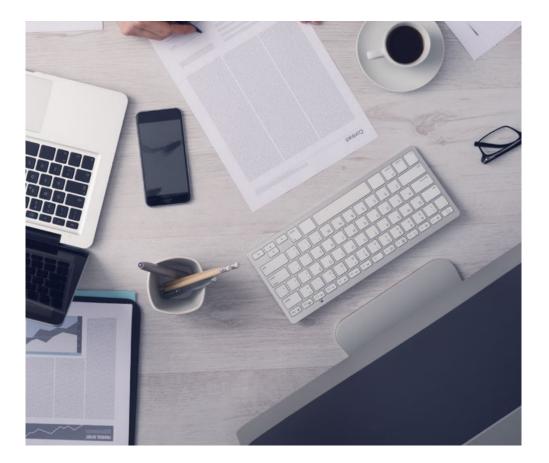
At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world"

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

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.

Certificate

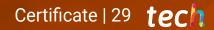The Postgraduate Certificate in Security, Security against Unlawful Acts against Civil Aviation, AVSEC guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.

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

This **Postgraduate Certificate in Security, Security against Unlawful Acts against Civil Aviation, AVSEC** contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery*.

The certificate 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 Security, Security against Unlawful Acts against Civil Aviation, AVSEC**

Official Nº of hours: **150 h.**

tech technological university

Awards the following
CERTIFICATE
to

Mr./Ms. _____, with identification number _____.
For having passed and accredited the following program

POSTGRADUATE CERTIFICATE
in
Security, Security against Unlawful Acts against Civil Aviation, AVSEC

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

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