Postgraduate Certificate

Aeronautical Regulations in Spain and Latin America for RPAS Pilots and Operators

tech technological university

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Postgraduate Certificate
Aeronautical Regulations in Spain and Latin America for RPAS Pilots and Operators

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

Website: **www.techtitute.com/pk/engineering/postgraduate-certificate/aeronautical-regulations-spain-latin-america-rpas-pilots-operators**

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01

Introduction

The use of drones is integrated into various sectors such as inspection, mapping, agriculture or security. For this reason, the interest of engineers in piloting these unmanned aerial vehicles has increased, increasing their possibilities for professional growth. However, this work requires a thorough knowledge of the legal framework that regulates their use or the institutions that ensure compliance. In this line, TECH has designed this program, which provides the graduate with the most accurate concepts on the aeronautical regulations that regulate the piloting of these devices both in Spain and in Latin American countries. All this will be possible thanks to a 100% online teaching methodology and cutting-edge multimedia teaching resources, prepared by excellent specialists in the field.

A 100% online and flexible Postgraduate Certificate, which will increase your field of action as an expert drone engineer"

The great utility of drones and their widespread use in all parts of the world have led to the adaptation and regulation of existing regulations to maintain air safety in the exercise of this activity. Given this reality, engineers who wish to expand their capabilities and progress in various sectors must master the current legal framework in this field.

Therefore, to promote this knowledge in a dynamic way and with a great practical application, this academic institution has launched this 6-week Postgraduate Certificate in Aeronautical Regulations in Spain and LATAM for RPAS Pilots and Operators.

This program consists of a syllabus prepared by experts in this field with a consolidated trajectory as drone flight instructors. In this way, students will delve in detail into the current regulations and the possibilities offered in the performance of their work optimally, generating confidence in those customers or companies that request their services as pilots of these vehicles.

In addition, this program becomes even more attractive thanks to the multimedia didactic resources and the Relearning system, which favors the solid learning of key concepts and reduces the long hours of study and memorization.

Students are also faced with an ideal academic option for combining their most demanding responsibilities with quality teaching. Students only need a device with an Internet connection to be able to visualize the contents hosted on the virtual platform at any time. Undoubtedly, an avant-garde university proposal that responds to the real needs of professionals.

This **Postgraduate Certificate in Aeronautical Regulations in Spain and Latin America for RPAS Pilots and Operators** contains the most complete and up-to-date educational program on the market. The most important features include:

- Practical cases presented by experts in Drone Piloting
- 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 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

Acquire the most comprehensive knowledge about the regulations governing drone flight in Colombia, Chile and Peru, among other countries"

Enroll in a program that allows you to self-manage your study time and access your syllabus whenever you want"

Solve any doubts you may have about the syllabus with the specialized faculty that integrates this academic option.

Learn more about the State Aviation Safety Agency, which oversees compliance with civil aviation regulations in all aeronautical activity in Spain.

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.

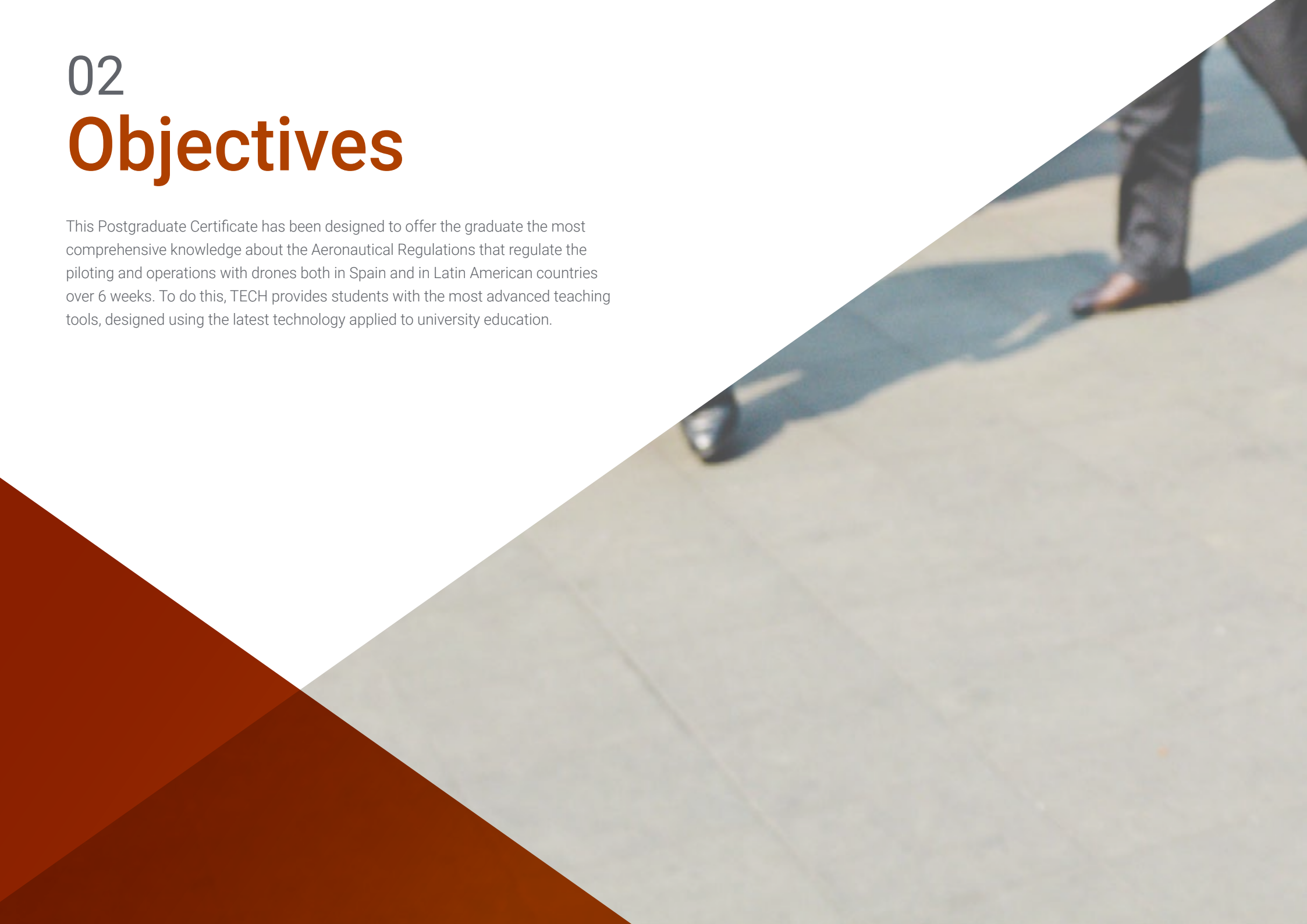
The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn in real situations.

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

02

Objectives

This Postgraduate Certificate has been designed to offer the graduate the most comprehensive knowledge about the Aeronautical Regulations that regulate the piloting and operations with drones both in Spain and in Latin American countries over 6 weeks. To do this, TECH provides students with the most advanced teaching tools, designed using the latest technology applied to university education.



All of this will be possible thanks to the case studies provided by the teaching team that has developed this program"

General Objectives

- Carry out professional safe flights in the different scenarios, following the normal and emergency procedures established in the Operations Manual
- Carry out the test flights necessary for the development of air operations following the manufacturer's maintenance manual indications and the legislation in force
- Identify the work procedures involved in each intervention, both flight and maintenance, in order to select the required technical documentation
- Evaluate situations of occupational risk prevention and environmental protection. Propose and apply prevention and protection measures, both personal and collective, according to the applicable regulations in the work processes, in order to guarantee safe environments

Specific Objectives

- Specify the legislative basis of the generic and specific aeronautical environment in different countries in Latin America, based on the reliability of the sources of information for its interpretation and application in different operational scenarios
- Apply the knowledge acquired to professional flights, following safety criteria for people and goods
- Develop the ability to put into practice the guidelines published by the aviation authority
- Identify and apply current regulations as a basis for specialization
- Update on the future legislative contents on normal and emergency procedures in the different phases of flight
- Identify the aeronautical authority of each country, its limitations and criteria for the development of professional flights in each location

With this program you will be able to analyze how to put into practice the Spanish aeronautical regulations in force to operate with drones"

03

Course Management

TECH remains committed to offering its students quality education that is accessible to all. For this reason, this institution has carried out a rigorous selection process of the teachers that make up this Postgraduate Certificate. In this way, students have the guarantee of access to a program developed by professional instructors of unmanned flight vehicles and with experience in R & D projects related to this sector.

Increase your possibilities of professional progression thanks to the syllabus developed by great specialists in drone piloting"

Management

Dr. Pliego Gallardo, Ángel Alberto

- Airline Transport Pilot ATPL and RPAS Instructor
- Drone flight instructor and examiner at Aero-cameras
- Project Manager at ASE Pilot School
- Flight Instructor at FLYBAI ATO 166
- RPAS specialist teacher in university programs
- Author of publications related to the field of Drones
- Researcher in R+D+i projects related to RPAS
- Airline Transport Pilot ATPL by the Ministry of Education and Science
- Degree in Primary Education Teaching from the University of Alicante
- Certificate in Pedagogical Aptitude, University of Alicante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REC

04

Structure and Content

Thanks to the effectiveness of the Relearning method, based on the continuous reiteration of the key contents, the students who take this program will obtain a solid learning about the Aeronautical Regulations in Spain and LATAM for RPAS Pilots and Operators. Likewise, you will be able to further extend the information provided in this program with the specialized readings that make up the Virtual Library of this Postgraduate Certificate.

You have at your disposal the best multimedia didactic material, which will allow you to deepen in a dynamic way in the theory and practice necessary for RPA Pilots"

Module 1. Aeronautical Regulations in Spain and Latin America for RPAS Pilots and Operators

1.1. Aeronautical Authority: AESA
- 1.1.1. The State Aviation Safety Agency
- 1.1.2. Professional Use of RPA
- 1.1.3. Frequently Asked Questions

1.2. Guide Material
- 1.2.1. Guide Material
- 1.2.2. Acceptable Means of Compliance
- 1.2.3. Regulatory Framework

1.3. RPA Pilot
- 1.3.1. Theoretical Education
- 1.3.2. Internship Program
- 1.3.3. Medical Requirements

1.4. Regulations in Chile
- 1.4.1. Specific Definitions
- 1.4.2. Legislative Application
- 1.4.3. ICAO, SRVSOP and DGAC

1.5. Regulations in Colombia
- 1.5.1. Definitions
- 1.5.2. Specific Acronyms and Abbreviations
- 1.5.3. Legislative Application
- 1.5.4. Remotely Piloted Aircraft
- 1.5.5. Limitations
- 1.5.6. General Rules
- 1.5.7. UAEAC Database Information
- 1.5.8. Personal Skills
- 1.5.9. Coordination with the FAC (Colombian Airforce)
- 1.5.10. General Rules

1.6. Regualtions in Ecuador
- 1.6.1. Considerations
- 1.6.2. Legislative Application
- 1.6.3. Regulatory Framework

1.7. Regulations in Peru
- 1.7.1. Specific Definitions
- 1.7.2. Legislative Application
- 1.7.3. Regulation

1.8. Regulations in Uruguay
- 1.8.1. Classification
- 1.8.2. Limitations and Requirements
- 1.8.3. RPAS Dedicated to Sport or Recreation

1.9. Operator Guide I. Spain
- 1.9.1. Requirements in Spain
- 1.9.2. Steps to Become an Operator in Spain
- 1.9.3. Diagram of the Process in Spain

1.10. Operator Guide II. Latin America
- 1.10.1. General Aspects in Chile
- 1.10.2. Requirements in Chile
- 1.10.3. Format of Documents in Chile
- 1.10.4. Requirements in Peru

Enroll now and master perfectly the specific aeronautical regulations for RPAS Pilots and Operators in Latin American countries"

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

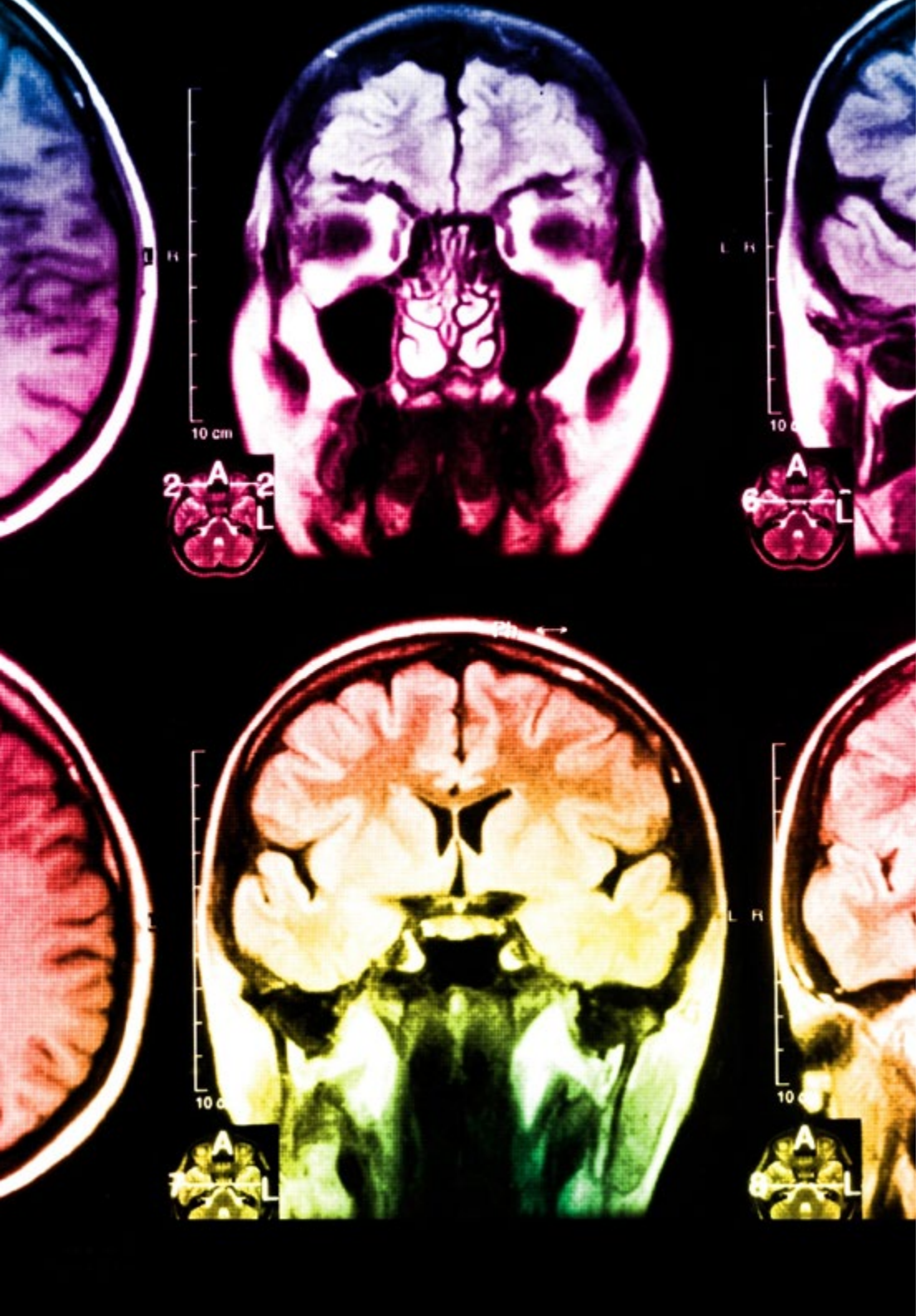
TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

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.

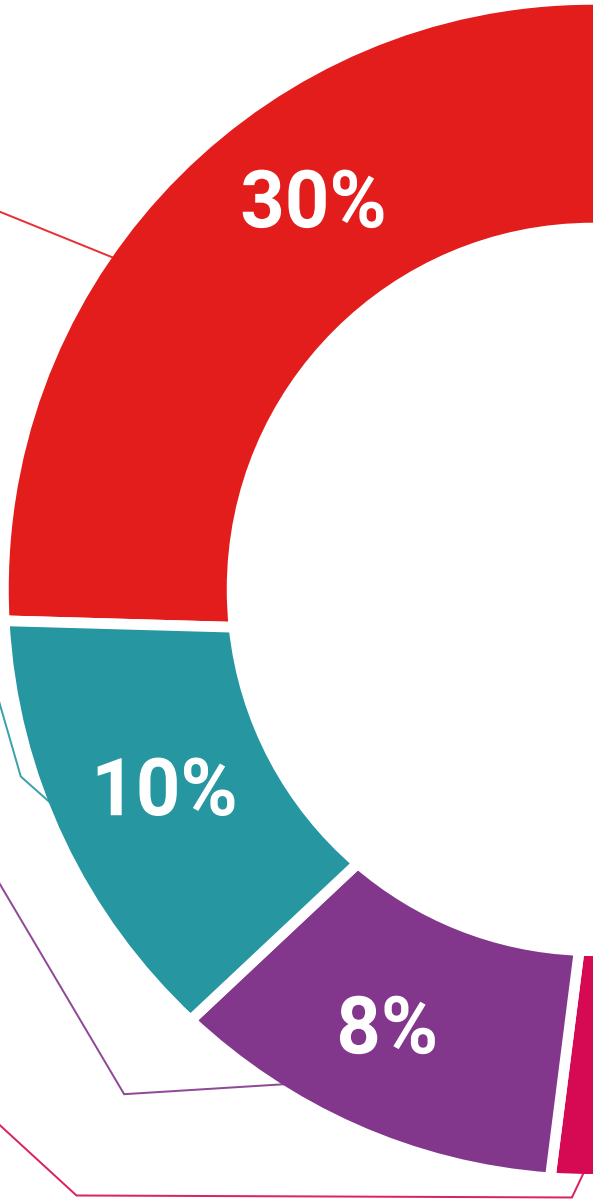
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

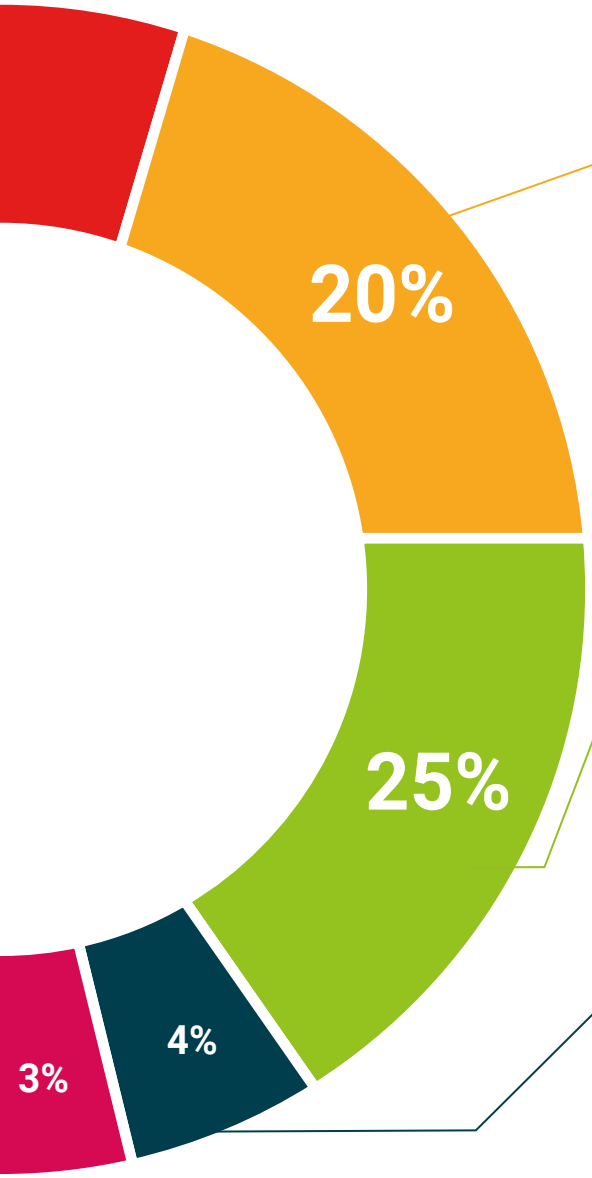
Practising Skills and Abilities

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 Certificate in Aeronautical Regulations in Spain and Latin America for RPAS Pilots and Operators 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 Aeronautical Regulations in Spain and Latin America for RPAS Pilots and Operators** 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 Aeronautical Regulations in Spain and Latin America for RPAS Pilots and Operators**

Official Nº of Hours: **150 h.**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Awards the following

CERTIFICATE

to

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

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Aeronautical Regulations in Spain and Latin America for RPAS Pilots and Operators

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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