

Postgraduate Certificate Aeronautical Regulations in Spain for RPAS Pilots





Postgraduate Certificate Aeronautical Regulations in Spain for RPAS Pilots

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

Website: www.techtute.com/pk/engineering/postgraduate-certificate/aeronautical-regulations-spain-rpas-pilots

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 16

05

Methodology

p. 20

06

Certificate

p. 28

01

Introduction

From large aerial filming for film productions to their use for infrastructure inspection or terrain monitoring and analysis, drones have become commonly used devices in many sectors. However, it is essential to know the regulations that regulate them in order to be able to use them safely in the airspace and respecting people's privacy. For this reason, this program is born, which leads engineers to master the aeronautical legal framework that regulates the operations carried out with UAVs in Spain. All this, in a qualification with a 100% online teaching format and high quality multimedia content, developed by a team of specialists in this field.

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*Master with TECH the Spanish
aeronautical regulations for RPAS Pilots
and operate with drones respecting the
current legislation. Enroll now”*

The great boom of drone flights in recent times has led to many sectors becoming interested in their use for productive or commercial purposes, such as agriculture, cinematography, construction, or tourism. However, the proliferation of this type of unmanned vehicle has led to the updating of the existing legal regulations and the necessary knowledge of them for those who wish to pilot them.

In this sense, the engineer, in order to increase their field of action in this field, must be up-to-date in everything related to the regulations established by the corresponding aeronautical authorities. This is the origin of this Postgraduate Certificate in Aeronautical Regulations in Spain for RPAS Pilots, which lasts only 6 weeks.

It is an intensive program that will lead the graduate to delve into the Air Navigation Law and its detailed articles, the Air Traffic Regulation, the civil use of RPAS, the transport of dangerous goods or the insurance required to operate with a drone.

In addition, learning will become more dynamic thanks to the multimedia pills, detailed videos, specialized readings and case studies, which provide a much more direct and closer vision on the use of these devices and the existing limitations.

An excellent opportunity to be up-to-date in this field through a flexible academic option, which can be taken whenever and wherever the student wishes. In this way, the graduate will have greater freedom to self-manage their study time and combine their personal and/or professional activities with an education that is at the forefront of education.

This **Postgraduate Certificate in Aeronautical Regulations in Spain for RPAS Pilots** 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 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



A 100% online academic option that adapts to your motivations for professional growth in the drone piloting sector"

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The pedagogical methodology of this Postgraduate Certificate will allow you to understand the configuration of the airspace for photography and filming in a simple way"

The program's teaching staff includes professionals from the sector who contribute their work experience to this training 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 during the academic year. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

Access the syllabus of this university program that compares the rules of the air with the European standard rules of the air from anywhere in the world.

Learn about the general rules of the air, such as distress, emergency, aerodrome traffic and maneuvering signals, with the best teaching material.



02 Objectives

TECH has designed this Postgraduate Certificate with the purpose of offering the graduate the most rigorous information on the Aeronautical Regulations in Spain for RPAS Pilots. In this way, they will be able to perform flights with the necessary knowledge about the existing regulations, guaranteeing air safety and its correct use in different situations. This learning will also open up a wide range of opportunities for your professional growth.





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*Specialize in the legal framework
that regulates the transport of
dangerous goods”*



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



Thanks to the case studies provided by the teaching team, you will obtain a much closer vision that will allow you to rigorously apply aeronautical regulations in your day-to-day work"





Specific Objectives

- ♦ Specify the legislative basis of the general and specific aeronautical environment in Spain, 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

03

Course Management

One of the elements that distinguishes this program is the specialized teaching team that makes it up. Therefore, students will have the guarantee of having access to a syllabus prepared by professional experts in drones and involved in several R+D+i projects related to RPAS. In this way, the graduate will obtain a high level learning, according to their needs and from the best specialists in this sector.





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*Specialists with accumulated experience
as drone flight instructors integrate this
first level university program"*

Management



Mr. 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



04

Structure and Content

The syllabus of this university proposal is made up of a syllabus that covers from operational definitions and technical abbreviations to detailed information on the existing laws and regulations in the Spanish regulation of drone flights. For this purpose, the students have at their disposal advanced pedagogical tools, which provide greater dynamism and clarity to this learning process of 150 teaching hours. A unique experience that only TECH, the largest online university in the world can offer.





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*A complete curriculum that will
take you deep into the regulatory
framework of drones in Spain"*

Module 1. Aeronautical Regulations in Spain for RPAS Pilots

- 1.1. Definitions
 - 1.1.1. Operational Definitions
 - 1.1.2. Technical Abbreviations
 - 1.1.3. Operational Abbreviations
- 1.2. Law 48/1960 on Air Navigation
 - 1.2.1. Mandatory
 - 1.2.2. Referring to Pilots
 - 1.2.3. Referring to the Aircraft
- 1.3. Air Traffic Regulations
 - 1.3.1. Book One
 - 1.3.2. Book Two
 - 1.3.3. General Rules
 - 1.3.4. Book Six
 - 1.3.5. Attachments
 - 1.3.6. Appendices
- 1.4. Regulation of the Air (SERA)
 - 1.4.1. ATC and SERA
 - 1.4.2. ATC Updates
 - 1.4.3. Airspace Configuration for Photography and Filming
- 1.5. Royal Decree 1036/2017, December 15, which regulates the civil use of remotely piloted aircraft, and amends Royal Decree 552/2014, June 27, which develops the Air Regulations and common operating provisions for air navigation services and procedures, and Royal Decree 57/2002, January 18, which approves the Air Traffic Regulations
 - 1.5.1. Scope
 - 1.5.2. RPAS Operation
 - 1.5.3. Articulated





- 1.6. Category and Type of Equivalent Aircrafts
 - 1.6.1. Settings
 - 1.6.2. Weight
 - 1.6.3. Control Systems
 - 1.6.4. Loans
- 1.7. Transport of Dangerous Goods
 - 1.7.1. Definition
 - 1.7.2. Legal Framework
 - 1.7.3. Articulated
 - 1.7.4. Classification
- 1.8. Insurance in Compliance with Regulations
 - 1.8.1. Legal Framework
 - 1.8.2. Operator Requirements
 - 1.8.3. Articulated
- 1.9. Notification of Accidents and Incidents
 - 1.9.1. e-Notification Systems
 - 1.9.2. Electronic Channel
 - 1.9.3. Traditional Channel
- 1.10. Limitations Established by the Law 1/1982 on the Protection of Personal Honor and Intimacy
 - 1.10.1. Query
 - 1.10.2. Justified Response
 - 1.10.3. Regulatory Framework

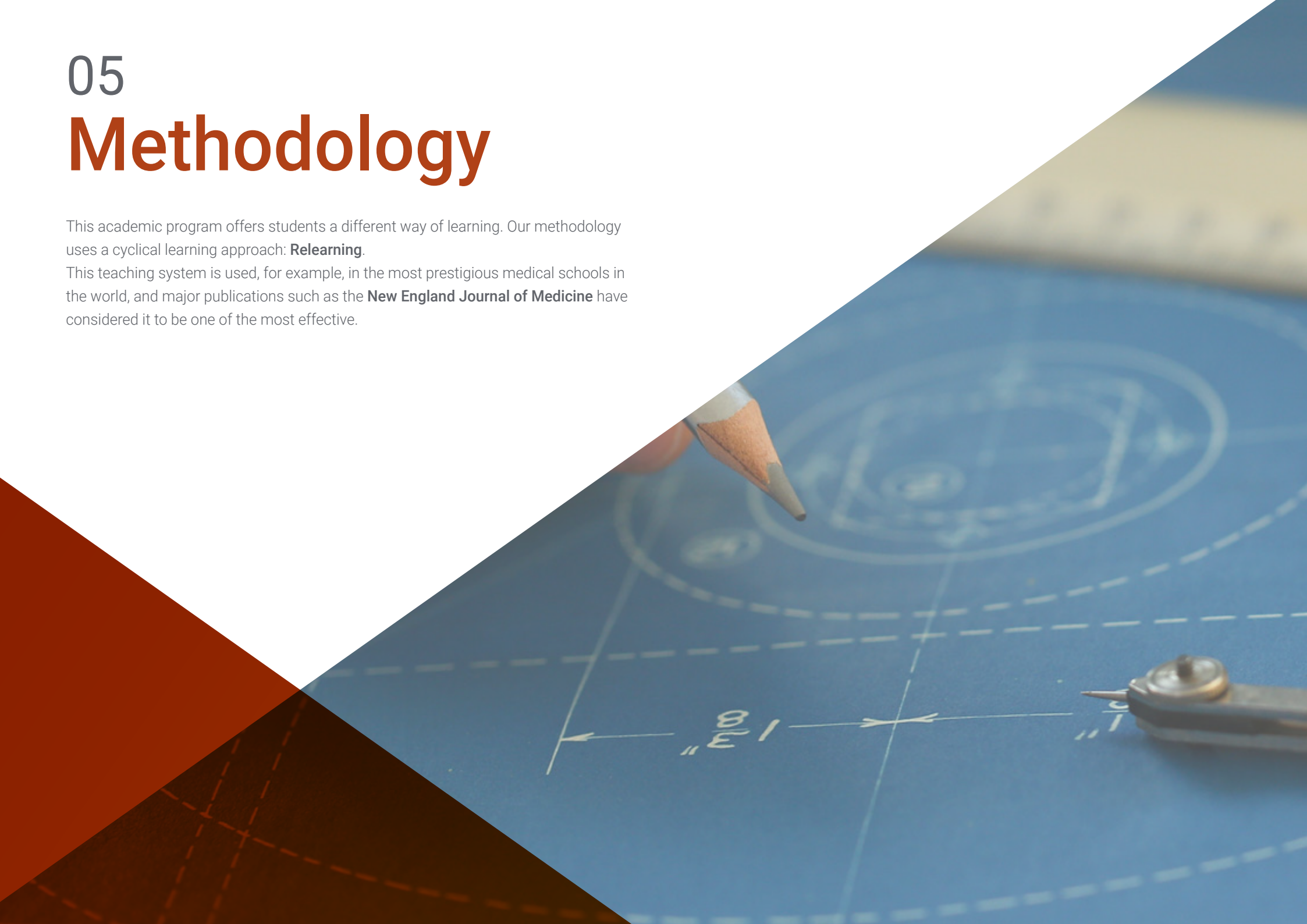


Enroll now and increase your chances of professional growth in one of the most cutting-edge sectors today: drones"

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.





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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.



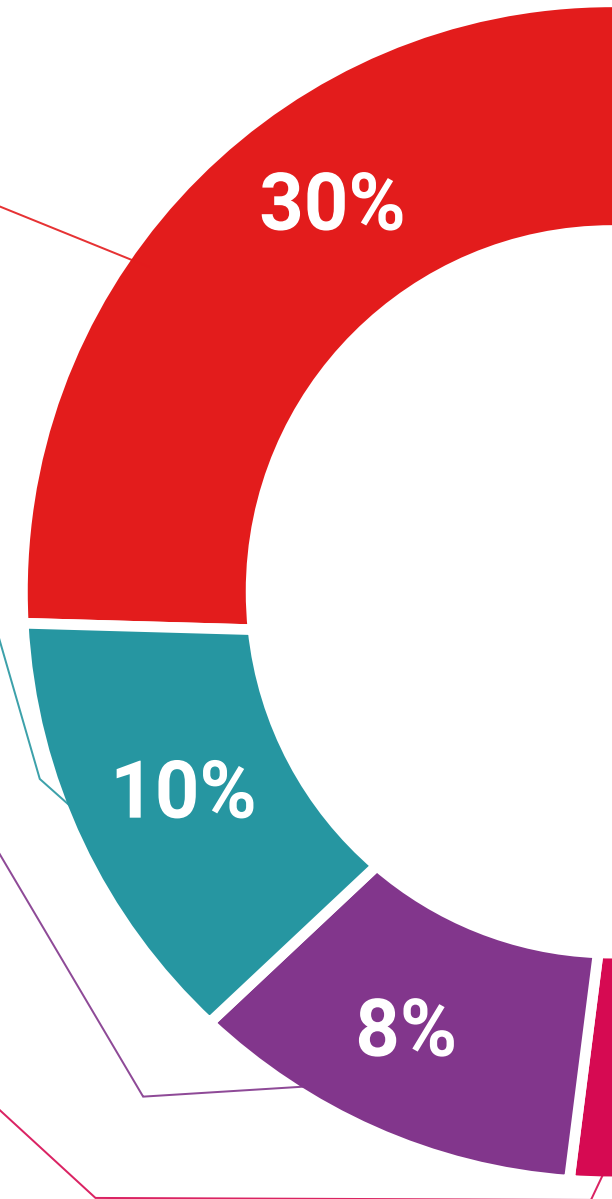
Practising Skills and Abilities

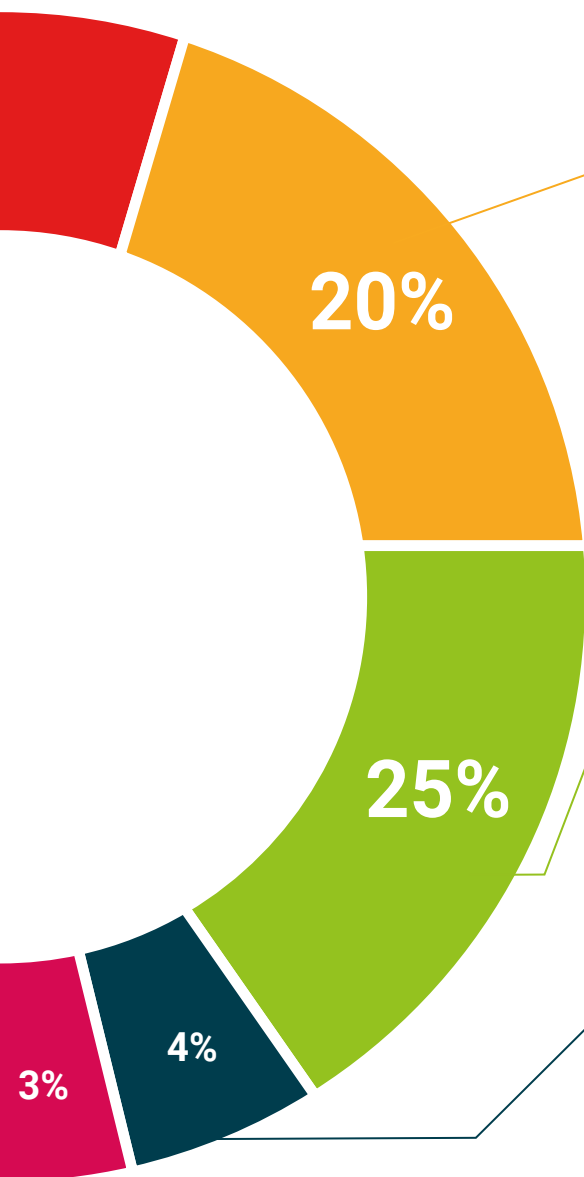
They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



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 for RPAS Pilots guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



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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 for RPAS Pilots** 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 for RPAS Pilots**

Official N° of Hours: **150 h.**





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Postgraduate Certificate

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