Postgraduate Certificate
Specific Operational Drone Procedures

tech global university

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Specific Operational
Drone Procedures

- » Modality: **online**
- » Duration: **6 weeks**
- » Certificate: **TECH Global University**
- » Credits: **6 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**

Website: **www.techtitute.com/us/engineering/postgraduate-certificate/specific-operational-drone-procedures**

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01
Introduction

The popularization of the use of drones in various sectors has increased the interest of both the public and professional engineers. In this sense, it is vital to know the essential elements to carry out operational procedures, which are not trivial in terms of safety. For this reason, TECH has designed this 100% online program that takes the graduate to delve into the conditions necessary to execute flights with unmanned aircraft, the limitations of the use of airspace, as well as the mandatory certificates. All this, compiled in an advanced syllabus, taught over 6 weeks and with the most innovative multimedia content of the current academic panorama. In this way, the graduate will obtain a vital learning for their professional progression.

" You are just one step away from increasing your professional possibilities in the drone sector thanks to this avant-garde university proposal"

The use of drones is already common in different socioeconomic sectors, so performing tasks with these devices requires knowledge of specific operational procedures. Therefore, taking them into consideration minimizes human errors in piloting and allows carrying out much safer work for both personnel and property.

For this reason, it is essential that professionals who wish to progress in this sector master all the requirements and elements that influence the flight of these unmanned aircraft in detail. This is the origin of this Postgraduate Certificate in Specific Operational Drone Procedures of 180 teaching hours, designed by specialists with extensive experience in this field.

It is an intensive program that will lead the graduate to study the essential tactical needs for the execution of safe flights, the previous study before the execution of the flight, the necessary authorization, as well as the obligation of the maintenance of the pilot's aptitude, in depth from a theoretical and practical perspective.

All this, in addition, with didactic resources in which the latest technology applied to teaching has been used and a pedagogical system that allows the student to reduce the long hours of study and memorization.

The professional has before them an ideal academic option to be able to combine daily personal activities with a flexible university proposal. Students will only need an electronic device with Internet connection to access the program's syllabus.

This **Postgraduate Certificate in Specific Operational Drone Procedures** contains the most complete and up-to-date 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

With this program, you will be up-to-date with the necessary procedures to be qualified as an operator"

"It goes deeper into the mandatory procedures to perform drone flights"

TECH adapts to you and that is why it has created a 100% online Postgraduate Certificate, which makes it easier for you to self-manage your study time. Enroll now.

Delve into the roles and responsibilities of the pilot, the Operator, and the Observer at any time and from anywhere in the world.

The program's teaching staff includes professionals from the field 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 during the academic year For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.
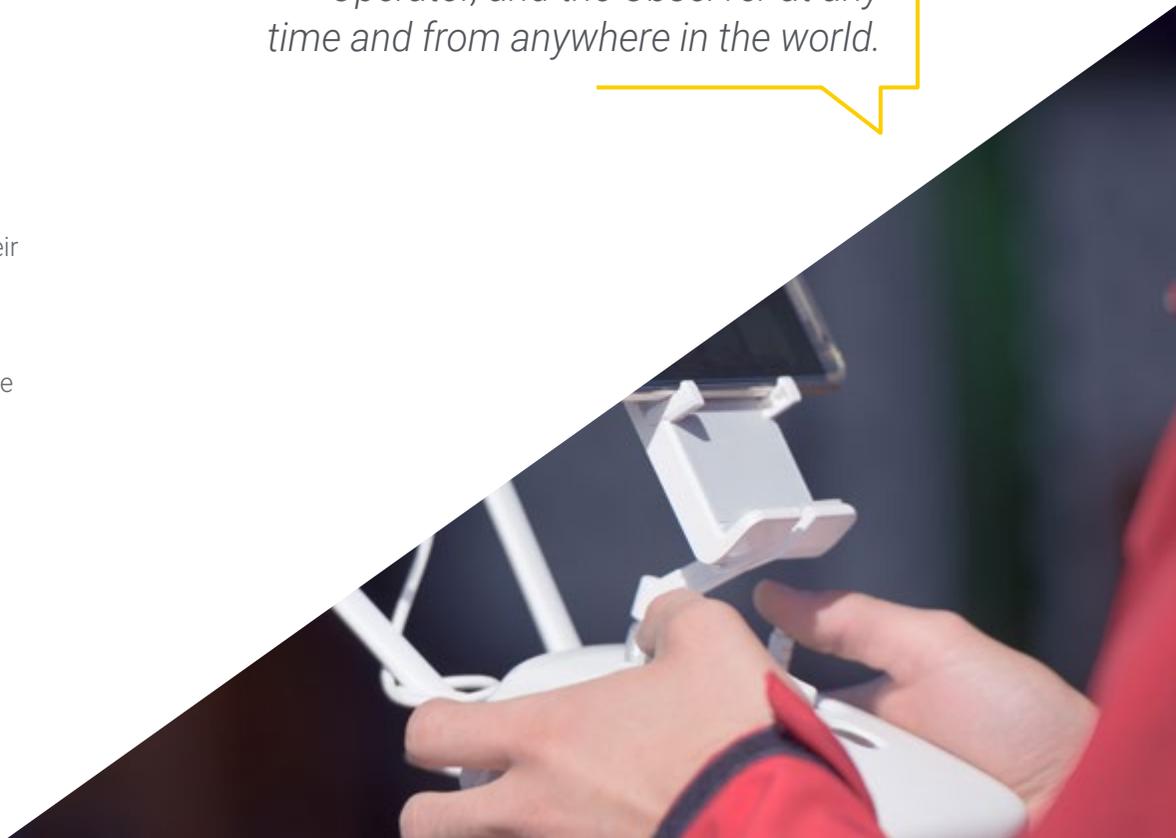
02
Objectives

At the end of the 6-week program, students will have a deep knowledge of Drone Specific Operational Procedures. In this way, they will improve their skills and attitudes to progress in a booming sector that requires professional engineers with a broad technical-scientific knowledge of the unmanned aircraft themselves and the factors that influence a flight. To achieve this goal, students will have access to case studies, which will provide them with a much more practical and real vision of aeronautical navigation.

" *Increase your knowledge about drone piloting safely and guided by a content developed by the best experts"*

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

Case studies provided by specialists will allow you to establish the most effective methods in preventing drone flying accidents"

Specific Objectives

- Establish procedures as a fundamental basis for flight and air operations
- Develop a critical capacity and prioritize flight safety and the review of procedures in accordance with the company's internal legal formalities and external aviation regulations
- Acquire an overview of the MO and make it a particular Procedure Guide, observe it and communicate possible improvements through the regulatory channel
- Identify and respect the different operational scenarios in which we are going to carry out our aerial activity
- Understand the responsibility of being flight personnel: both pilot and observer
- Understand how to become an operator
- Be sensitized to record flight times and aircraft maintenance
- Inform pilots of the maintenance of their competence and skills
- Understand operating procedures and clearances

Course Management

This Postgraduate Certificate is distinguished by the great teaching team that conforms it. Therefore, the trajectory in the drone sector and their experience in the aeronautical navigation of this type of aircraft is evident throughout this program. In addition, thanks to its proximity, students will have the opportunity to resolve any questions they have during the course of this high quality university proposal.

TECH rigorously selects each of the teachers that make up its programs to ensure high quality content"

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

Structure and Content

The syllabus of this Postgraduate Certificate has been carefully prepared by an excellent teaching team with experience in the piloting of unmanned aircraft. This way, the graduate has an updated and realistic content on drone operational procedures. In addition, in order to successfully achieve TECH provides numerous additional didactic material accessible 24 hours a day, 7 days a week, 7 days a week.

You have at your fingertips numerous additional teaching resources to further extend the information provided in this university program"

Module 1. Operational Procedures

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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:
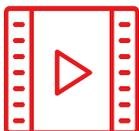
Study Material

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%
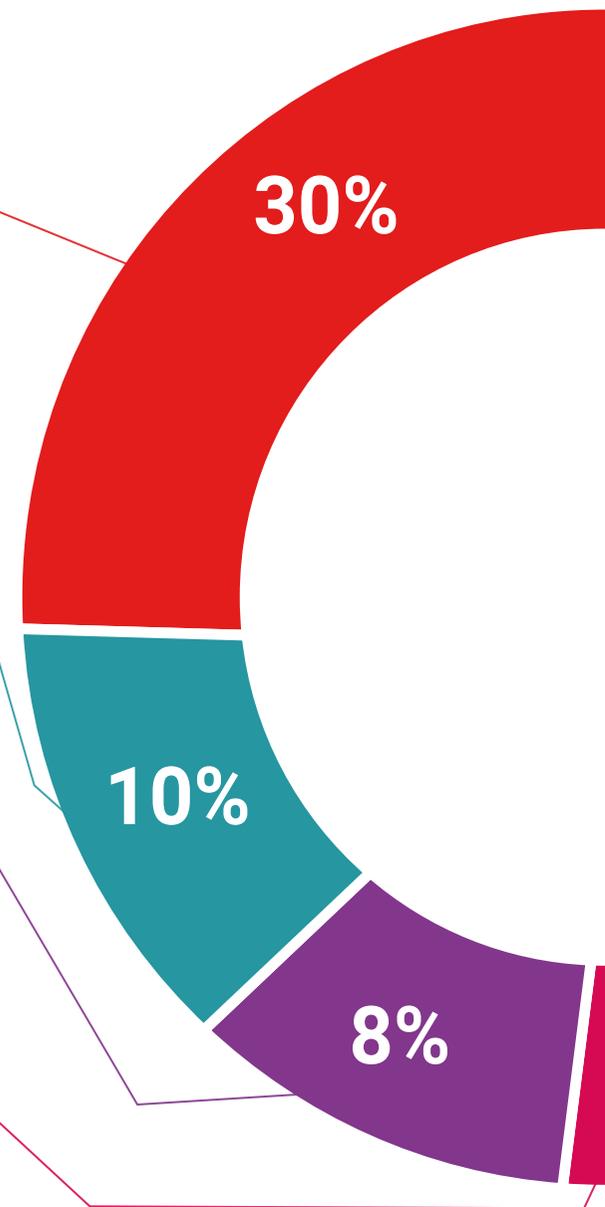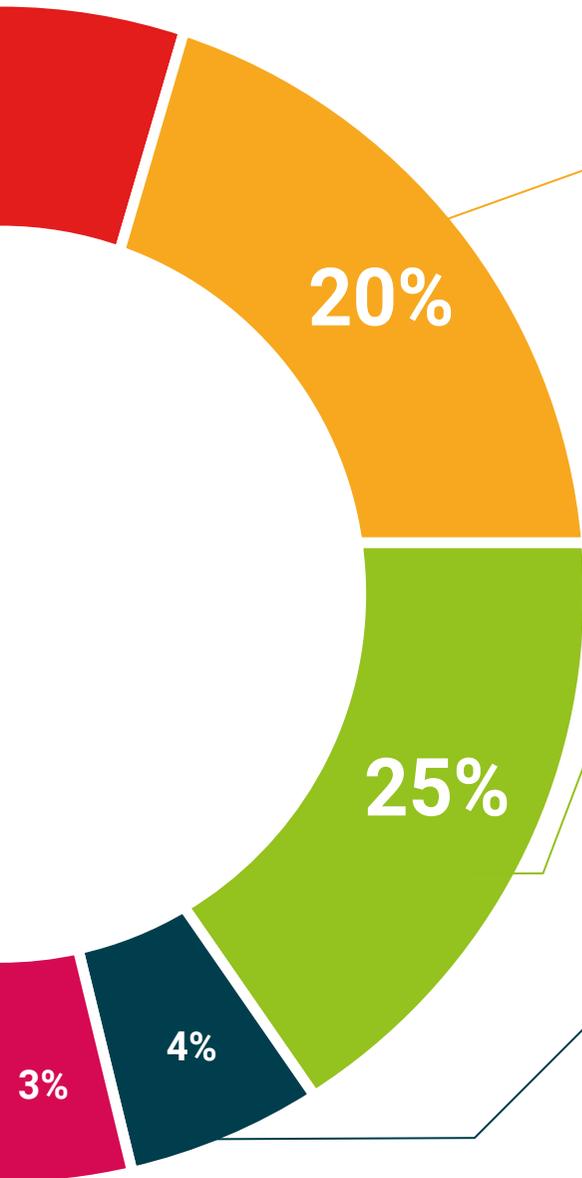
Case Studies

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.

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Titulación

The Postgraduate Certificate in Specific Operational Drone Procedures guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.

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

This program will allow you to obtain your **Postgraduate Certificate in Specific Operational Drone Procedures** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra (*official bulletin*). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Specific Operational Drone Procedures**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**

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Mr./Ms. _____, with identification document _____ has successfully passed and obtained the title of:

Postgraduate Certificate in Specific Operational Drone Procedures

This is a program of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Rector

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 Global University will make the necessary arrangements to obtain it, at an additional cost.

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