

# Internship Program

## Advanced Emergency Medicine



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Internship Program  
Advanced Emergency Medicine

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# 01 Introduction

The pandemic has highlighted the need for fully qualified professionals to respond to unknown emergencies. Medical research is developing rapidly, so there is a need for experts who can keep up with the growth of technology and know how to apply it to offer faster and more efficient services. TECH provides students with a practical program that will teach them based on the keys to advanced emergency care in a 100% real scenario, where they will learn about all the latest scientific developments in this area.



*With this TECH program, you will be able to update yourself in a 100% practical way in the most advanced and effective protocols and methods of action in emergency medicine"*





The great pharmacological and medical advances in Emergency Services force students to complete their theoretical education with a practical process. For this reason, TECH proposes 3 weeks of learning in a prestigious hospital, where the student will be able to put into practice what they have learned, supported by specialists in the sector and applying the best and innovative technological tools that narrow down the diagnoses.

All this, focused on the professional development of the student in the same place where they will develop their work and with all the guarantees of obtaining a quality learning that will make them a qualified physician. To achieve this, TECH has selected reference centers that allow an Internship Program.

These practical shifts are developed from Monday to Friday and in 8 hours of exhaustive learning. In addition, the specialist will be supported by professionals who belong to the team of experts working in the health centers, who will also provide detailed follow-up and guidance in their clinical intervention. Therefore, this program is a great option for the professional who wishes to move away from pedagogical options focused on the theoretical aspect.

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*Thanks to this internship, you will be able to get up-to-date by working alongside industry specialists and facing real cases in situ”*

# 02

## Why Study an Internship Program?

In the healthcare field, professional updating must go beyond theory. However, there are few academic options that offer active and comprehensive learning in Emergency Medicine. For this reason, TECH has designed this program, with which the student will be able to get up to date in a 100% practical way in the latest protocols, techniques and procedures of action in this clinical field. In this way, the physician will be able to go into a completely real environment where they will have access to real patients, always accompanied by experts from the center where the internship will take place.



*You won't find an option like this that gives you access to real hospital environments where you can be up-to-date on the latest advances in Emergency Medicine"*

### 1. Updating from the latest technology available

The Emergency Department is under pressure situations that require constant up-to-date protocols and techniques. Within this review, technology and equipment play an important role, as they are a fundamental part in the care of patients who need immediate care and treatment. With this in mind, TECH offers this completely practical program that can be carried out in centers equipped with the latest equipment and devices, allowing the student to access a work environment where the most innovative postulates prevail.

### 2. Gaining In-Depth Knowledge from the Experience of Top Specialists

One of the bases of this academic program is the possibility of delving into the latest developments in this medical discipline with specialists of great prestige. Therefore, the student will be accompanied at all times by leading experts from the clinical center itself, who will be responsible for updating the student in this area. In addition, they will have a specifically designated tutor, ensuring that the professional experiences a high level of pedagogical practice.

### 3. Entering First-Class Clinical Environments

The centers that TECH has selected for its programs have a great prestige, and will allow the professional to develop in demanding professional environments. Therefore, they will be able to update their knowledge in the field of Emergency Medicine in a renowned clinic, being able to take advantage of their experience there to incorporate the most advanced scientific postulates into their daily work.



#### **4. Putting the acquired knowledge into daily practice from the very first moment**

One of the keys to this program is its practical and dynamic perspective, as it has been specifically designed so that the physician can immediately integrate the latest developments in the complex area of Emergency Medicine into their daily work.

#### **5. Expanding the Boundaries of Knowledge**

This Internship Program can be carried out in centers of international scope, which will favor the student's professional development. In this way, they will be able to come into contact with specialists who are working in clinics and hospitals of global recognition, expanding their own horizons towards new opportunities in environments of great health care prestige.

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*You will have full practical immersion  
at the center of your choice”*

# 03

## Objectives

The objective pursued by TECH is none other than to offer a complete and enriching education to students so that they can develop as professionals in the area of advanced emergencies. Likewise, through the internship period, it will be possible to get to know the student in depth and to personalize the learning process by the specialists who will support them in the hospital center assigned to them. In this way, students will have at their disposal all the theoretical, technical and practical keys to carry out their future actions correctly and efficiently.



### General Objectives

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- Know and manage the most advanced and innovative protocols in Emergency Medicine
- Effectively address each specific case in the Emergency Department, taking into account the complexity and nature of the pathology or condition
- Respond with ease and according to the latest scientific evidence to complex situations in the Emergency Department







## Specific Objectives

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- ◆ Understand the general aspects of emergency department management and its evolution as a response to health care needs
- ◆ Acquire general notions in end-of-life care
- ◆ Acquire knowledge of donations in emergencies and pre-interview
- ◆ Know the potential scenarios for the application of new technologies in the emergency department: catastrophes and pandemic situations
- ◆ Gain deeper knowledge of the tools for adequate diagnostic tests in the emergency department
- ◆ Acquire the ability to develop action protocols for CPR in risk situations
- ◆ Apply advanced life support in adult and pediatric patients in special situations
- ◆ Review the reasons for patient consultation in the emergency department in cases of known rare diseases
- ◆ Review general aspects of clinical ultrasound in the emergency department
- ◆ Obtain basic knowledge about simulation as a tool for learning and safety in the emergency department
- ◆ Obtain general knowledge of poisoning
- ◆ Acquire knowledge of the toxicity of the most common alternative medicines and pseudotherapeutic practices
- ◆ Review the PPE (Personal Protective Equipment) required to treat these pathologies
- ◆ Gain theoretical knowledge and tools to implement protocols for high-risk respiratory pathology
- ◆ Learn about the progress and evolution of Coronaviruses from origin to present day
- ◆ Identify the main microbiological characteristics of coronaviruses

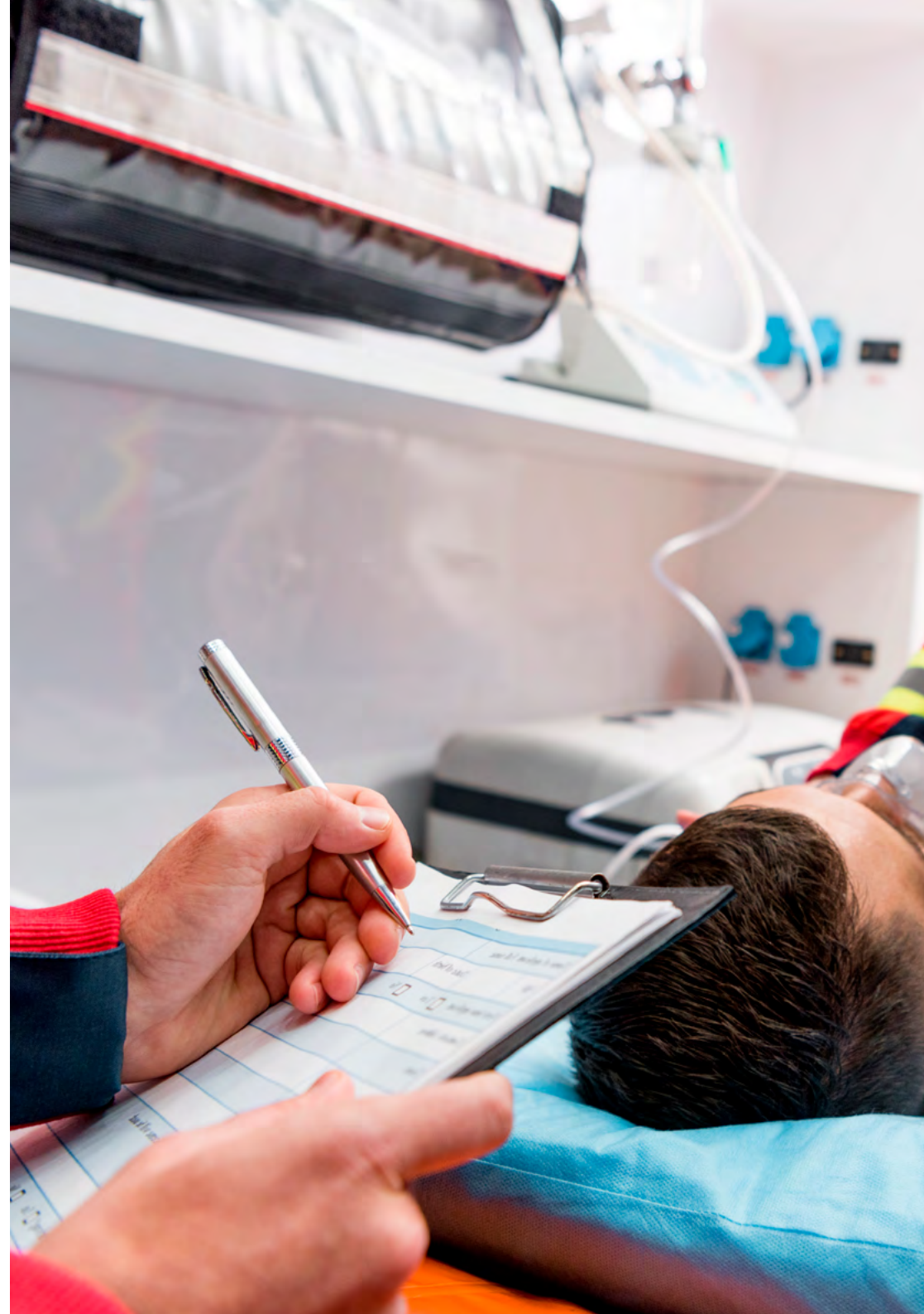
# 04 Educational Plan

The Internship Program of this program is a unique opportunity to learn from specialists currently working in the sector and to follow models of good practice. The clinical internship will be developed over three weeks in which the student will have a schedule of 8 hours from Monday to Friday, which will be very useful for them. The stay at the hospital will enable students to be able to recognize and identify the diagnosis of emergency cases and establish priorities in their actions.

In this completely practical Internship Program, the activities are aimed at developing and perfecting the skills necessary to provide healthcare care in areas and conditions that require highly qualified professionals, and are oriented towards specific expertise for practicing the activity, in a safe environment for the patient and with highly professional performance.

Thanks to TECH, the student will be part of one of the reference hospital centers recognized for its care in the Emergency Department. In this way, they will be able to learn in real time what they will encounter in their day-to-day work. In addition, by studying the theoretical concepts beforehand, they will be able to put them into practice and solve their doubts with the experts of the sector also afterwards.

The practical teaching will be carried out with the active participation of the student performing the activities and procedures of each area of knowledge (learning to learn and learning to do), with the accompaniment and guidance of teachers and other fellow trainees that facilitate teamwork and multidisciplinary integration as transversal competencies for the practice of clinical medicine (learning to be and learning to relate).





The procedures described below will form the basis of the practical part of the training, and their implementation is subject to both the suitability of the patients and the availability of the center and its workload, with the proposed activities being as follows:

Module	Practical Activity
<b>Emergency Department Management Methods</b>	Development of management plans and quality of care in the Emergency Department
	Establish triage protocols using the new IT and technological systems in the health area
	Carry out clinical simulations in the Emergency Department to improve communication and efficiency of the service
	Manage donation processes and end-of-life care in the Emergency Department, always taking into account the legal aspects and the principles of Bioethics in this service
<b>Diagnostic Techniques and Advanced Life Support in Emergencies</b>	Apply the AHA and ERC protocols in advanced life support in the Emergency Department
	Perform rapid intubation sequence according to the latest clinical postulates
	Perform resuscitation tasks, applying advanced life support to patients of different age ranges and with different conditions and pathologies
	Apply Artificial Intelligence to diagnostic imaging methods, especially in Radiography
	Perform diagnostic tests and patient follow-up using Clinical Ultrasound
<b>Rare and Infectious Diseases and Toxicology in the Emergency Department</b>	Perform ultrasound-guided procedures in central and peripheral venous access, arterial and lumbar puncture, as well as pericardiocentesis, paracentesis and thoracentesis
	Develop and apply protocols for rare and infectious diseases in the Emergency Department
	Detect and act in the presence of rare diseases in the ED, especially in cases of Hereditary Angiodema, Porphyria or congenital coagulopathies
	Apply the most accurate diagnostic approaches to cases of drugs of abuse, chemsex and alternative medicine
	Use the EPI in risk environments, according to the protocols of action in infectious diseases
	Transfer and move quickly and safely, according to the latest existing protocols, the patient who requires it to the High Isolation Unit
Act according to the most up-to-date postulates on Coronavirus in the infected patient	

# 05 Where Can I Do the Internship Program?

In its commitment to offer quality education, TECH has chosen the best hospital centers to carry out the practical modules. In addition, the objectives of students who wish to work in this area will be achieved: to be and become part of the team of experts of a health center in which multiple cases of advanced emergencies are attended. This will allow students to grow professionally and will motivate them to distinguish themselves when integrating or moving up in the labor market.



*Learn under the guidelines of the best professionals in one of the leading centers for its thousands of patients treated in the emergency area and be part of one of the most demanded sectors of physicians today”*





The student will be able to do this program at the following centers:



Medicine.

### Hospital Recoletas Campo Grande

Country	City
Spain	Valladolid

Address: Pl. de Colón, s/n, 47007 Valladolid

Clinical center specialized in multidisciplinary healthcare

**Related internship programs:**

- Intensive Care Nursing
- Gynecologic Oncology



Medicine.

### Hospital HM Modelo

Country	City
Spain	La Coruña

Address: Rúa Virrey Osorio, 30, 15011, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine.

### Hospital Maternidad HM Belén

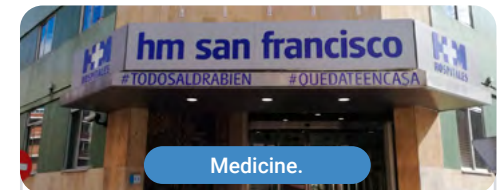
Country	City
Spain	La Coruña

Address: R. Filantropía, 3, 15011, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Update in Assisted Reproduction
- Hospitals and Health Services Management



Medicine.

### Hospital HM San Francisco

Country	City
Spain	León

Address: C. Marqueses de San Isidro, 11, 24004, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Trauma Nursing



Medicine.

### Hospital HM Regla

Country: Spain City: León

Address: Calle Cardenal Landázuri, 2, 24003, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Update on Psychiatric Treatment in Minor Patients



Medicine.

### Hospital HM Nou Delfos

Country: Spain City: Barcelona

Address: Avinguda de Vallcarca, 151, 08023 Barcelona

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Aesthetic Medicine
- Clinical Nutrition in Medicine



Medicine.

### Hospital HM Madrid

Country: Spain City: Madrid

Address: Pl. del Conde del Valle de Súchil, 16, 28015, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Palliative Care
- Anaesthesiology and Resuscitation



Medicine.

### Hospital HM Montepíncipe

Country: Spain City: Madrid

Address: Av. de Montepíncipe, 25, 28660, Boadilla del Monte, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Palliative Care
- Aesthetic Medicine





Medicine.

### Hospital HM Torrelodones

Country	City
Spain	Madrid

Address: Av. Castillo Olivares, s/n, 28250, Torrelodones, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine.

### Hospital HM Sanchinarro

Country	City
Spain	Madrid

Address: Calle de Oña, 10, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine.

### Hospital HM Puerta del Sur

Country	City
Spain	Madrid

Address: Av. Carlos V, 70, 28938, Móstoles, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Palliative Care
- Clinical Ophthalmology



Medicine.

### Hospital HM Vallés

Country	City
Spain	Madrid

Address: Calle Santiago, 14, 28801, Alcalá de Henares, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Gynecologic Oncology
- Clinical Ophthalmology

# 06 General Conditions

## Civil Liability Insurance

This institution's main concern is to guarantee the safety of the trainees and other collaborating agents involved in the internship process at the company. Among the measures dedicated to achieve this is the response to any incident that may occur during the entire teaching-learning process.

To this end, this entity commits to purchasing a civil liability insurance policy to cover any eventuality that may arise during the course of the internship at the center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. In this way, the professional will not have to worry in case he has to face an unexpected situation and will be covered until the end of the internship program at the center.





## General Conditions of the Internship Program

The general terms and conditions of the internship agreement for the program are as follows:

**1. TUTOR:** during the Internship Program, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor, whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.

**2. DURATION:** The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

**3. ABSENCE:** If the students does not show up on the start date of the Internship Program, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor.

**4. CERTIFICATION:** Professionals who pass the Internship Program will receive a certificate accrediting their stay at the center.

**5. EMPLOYMENT RELATIONSHIP:** The Internship Program shall not constitute an employment relationship of any kind.

**6. PRIOR EDUCATION:** Some centers may require a certificate of prior education for the Internship Program. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed.

**7. DOES NOT INCLUDE:** The Internship Program will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

# 07 Certificate

This **Internship Program in Advanced Emergency Medicine** contains the most complete and up-to-date program in the professional and academic landscape.

After the student has passed the assessments, they will receive their corresponding Internship Program diploma issued by TECH Technological University via tracked delivery\*.

The diploma issued by TECH will reflect the grade obtained in the test.

Title: **Internship Program in Advanced Emergency Medicine**

Duration: **3 weeks**

Attendance: **from Monday to Friday, 8 consecutive hour shifts**

Total Hours: **120 h. of professional practice**



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Advanced Emergency Medicine

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