

# Internship Program

## Emergency Nursing, Advanced Emergencies and Disasters



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Internship Program  
Emergency Nursing, Advanced  
Emergencies and Disasters

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# 01 Introduction

Emergency and Catastrophe work has been considerably up-to-date. To achieve adequate assessment and monitoring of critically ill patients, nursing staff must become more qualified. Paradoxically, many professionals do not achieve high levels of preparedness because most programs in these areas are very theoretical and do not focus on skills acquisition. TECH has set out to leave that model behind through this degree. The program devotes 3 weeks to on-site study of the most advanced skills in a renowned hospital center. There, graduates will handle the most current technological resources and apply state-of-the-art protocols on real patients, with the guidance of the best experts.

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*Add to your daily practice, as a nurse, the latest clinical criteria to simplify the number or type of drugs used in cardiopulmonary resuscitation”*







The most modern care protocols, in relation to cardiopulmonary resuscitation in hospital emergency rooms, advocate increasingly novel criteria. An example of this is the procedure manuals that insist on reducing or simplifying the number of pharmacological products used during these interventions. Nursing staff must be up to date on these aspects to enhance advanced health care for physicians and patients. However, many of these professionals are not kept up to date because the programs on the educational market focus on the theoretical aspects of these subjects and neglect their more concrete applications.

For this reason, TECH has designed an academic modality 100% practical and face-to-face, in which the student will assimilate the latest criteria for their professional performance. The training consists of an intensive and exhaustive stay in a hospital center of international prestige. The graduate will dedicate 3 weeks, in consecutive 8-hour days, to learning the latest tools and work protocols in situ. The entities selected for this program have excellent resources and will facilitate access to real patients from the first day of studies.

They also have a staff of highly experienced experts who, throughout their career, have accumulated the most current knowledge for advanced nursing intervention in Emergencies, Emergencies and Catastrophes. In addition, an assistant tutor will be in charge of supervising the entire practical study process. This figure, appointed by TECH, will insert tasks and other tasks of greater complexity to enhance the development of state-of-the-art skills in each of the participants.

# 02

## Why Study an Internship Program?

This TECH Practical Training is the ideal qualification for all those nursing professionals who want to improve their qualification in Emergency and Catastrophe situations. This academic modality, 100% face-to-face and intensive, will enable the graduates to approach real cases, with different difficulties and traumatic situations. In this way, you will be able to directly implement a wide range of first-class procedures and work tools. Throughout the 3 weeks of this program, you will be in close contact with the best experts in the field and learn first-hand their most advanced skills.



*TECH will provide you with a rigorous and intensive up-to-date through which you will incorporate into your practice the latest criteria for triage and patient management in hospital emergency departments"*

### 1. Updating from the Latest Technology Available

Through this program, nurses will have access to ultrasound devices that facilitate the cannulation of veins and to state-of-the-art mechanical ventilation equipment with which to assist patients whose breathing is compromised. The approach to all these working tools will provide you with optimal skills to assist physicians and contribute to better patient care.

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

During this Practical Training, the nurse will be supervised by an assistant tutor. This academic figure will be in charge of advising their progress at all times, ensuring the acquisition of complex skills through dynamic tasks. At the same time, you will have the opportunity to discuss strategies and intervention protocols with experts with extensive professional experience.

### 3. Entering First-Class Clinical Environments

TECH has meticulously chosen the facilities that are part of this Practical Training. All the selected hospitals have state-of-the-art technological resources capable of facilitating the practice of nursing. At the same time, they have a staff of experts dedicated to this professional area, backed by the widest experience.



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

In the educational market, there is an abundance of degrees with a high theoretical load on the role of Emergency and Disaster Nursing. However, degrees aimed at developing specific skills are not common. For this reason, TECH has developed a rigorous academic modality that will allow nurses to be linked to a prestigious hospital center during 3 weeks of intensive classroom learning.

#### 5. Expanding the Boundaries of Knowledge

Through TECH, the nurse will have at their disposal hospital centers located in different cities. You can then choose the installation that best suits your geographical location. This is an Advantage only available to the world's largest digital university.



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

# 03

## Objectives

This program represents a unique updating opportunity for nursing professionals. Through this hands-on training, you will have access to a high-level hospital environment, where you will deploy state-of-the-art procedures and work tools. All this, under the close supervision of an assistant tutor and advice of leading experts.



### General Objectives

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- ♦ Acquire the necessary knowledge, skills and attitudes in the area of emergencies that allow, in an adequate manner, to make decisions in critical moments based on the patient's needs
- ♦ Examine the main bioethical issues most recent and be able to deal with them
- ♦ Recognize the characteristics of emergency saturation, in order to adopt a proactive attitude, anticipating in the decision-making process
- ♦ To up-to-date competencies on the different casualty classification systems in any field or environment, taking into account the new management tools for large-scale events that require intervention by nurses.



### Specific Objectives

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- ♦ Prepare students to act appropriately in vital emergency situations, according to internationally recognized updated protocols
- ♦ Provide accurate theoretical knowledge to be able to understand and correctly apply basic life support and advanced life support maneuvers and treatments
- ♦ Master the algorithms for basic life support and advanced life support actions, both in adult and pediatric patients
- ♦ Learn the peculiarities of resuscitation in special situations
- ♦ Recognize the main cardiovascular diseases that are highly life-threatening
- ♦ Differentiate the multiple therapies and treatments recommended for the resolution of a heart disease event
- ♦ Identify time-dependent cardiac pathology to achieve an orderly response from the different resources involved
- ♦ Improve the necessary knowledge for the management of patients in need of advanced respiratory support
- ♦ Know the basics of mechanical ventilation, the different existing ventilatory therapies, as well as the challenges and complications that the artificial airway itself entails
- ♦ Examine alternatives to conventional mechanical ventilation through new ventilatory devices
- ♦ Delve into the advanced care applicable to a patient with a respiratory pathology
- ♦ Prepare Possess extensive knowledge for a comprehensive approach to patients with other serious or potentially serious pathologies that require early identification and priority, complex and multidisciplinary care
- ♦ Acquire advanced The knowledge of the main hydroelectrolytic and acid-base alterations
- ♦ Review infection management in the emergency services and recommendations on the use of catheters



- ♦ Delve into volume replacement therapies
- ♦ Delve into the advanced management of patients with severe trauma, major burns and their associated complications
- ♦ Review the main damage control resuscitation strategies and their application in different health care settings
- ♦ Examine the effective strategies for the patient's pain control from a biopsychosocial approach
- ♦ Review the main relevant rare pathologies in hospital emergency for their advanced management
- ♦ Gain insight into the pathophysiology and transmission mechanism of SARS- CoV2 disease and its subsequent effects
- ♦ Prepare students for the identification and management of diseases characterized by hemorrhagic fevers
- ♦ Develop protocols related to individual protection equipment, waste management and occupational safety
- ♦ Acquire The knowledge on the main anatomical and physiological changes of the different vital stages (pregnant woman, pediatric patient and patient in the last days of life) and, consequently, review the most relevant considerations to be considered at the time of their assessment, diagnosis and treatment
- ♦ Develop strategies for communicating bad news and approaching patients in complex life situations, such as patients subjected to abuse or palliative patients
- ♦ Recognize the main needs of the patient in their final days, and delve into the adequate management of pain
- ♦ Possess extensive knowledge for the comprehensive management of acutely poisoned patients and approach to the main toxicological emergencies
- ♦ Develop knowledge of the main abuse drugs and the antidotes used in emergency department
- ♦ Review the main psychiatric pathologies that require the use of an emergency service, and update on the nursing care of patients with mental disorder
- ♦ Increase knowledge of epidemiology, legislation and nursing assistance to the psychiatric patient
- ♦ Enhance theoretical knowledge on ultrasound functioning, as well as its practical application in emergency care
- ♦ Understand the elements shown in the ultrasound scanning
- ♦ Develop effective strategies in the transmission of knowledge to other professionals through the use of scenarios, workshops or simulation exercises

# 04

## Educational Plan

TECH has designed this degree based on an innovative academic modality. In this program, the nurse will join the team of professionals of a first level hospital for 3 weeks. Together with them, they will discuss strategies for triage, assessment, intervention and monitoring of patients admitted to Emergency and Catastrophe units. In addition, an assistant tutor will be responsible for monitoring their progress and incorporating complex tasks into the learning dynamics.

In this completely practical Internship Program, the activities are aimed at developing and perfecting the skills necessary to provide healthcare 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.

The Practical Training will be held from Monday to Friday, until completing 120 educational hours. During this period of time, the nurse will manage technological resources and state-of-the-art therapeutic procedures. The practical stay, face-to-face and intensive, will allow you to deal with real situations and acquire the necessary preparation and skills to perform a first level praxis at the end of this program.

The practical education will be carried out with the active participation of the student performing the activities and procedures of each area of competence (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 Current La nursing practice(learning to be and learning to relate).

The procedures described below will form the basis of the practical part of the internship, 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:



*Receive specialized education in an institution that can offer you all these possibilities, with an innovative academic program and a human team that will help you develop your full potential"*



Module	Practical Activity
<b>New technologies in the Emergency Room for nursing Nursing</b>	Locate by means of ultrasound equipment the venous accesses in the Emergency Room
	Long-term Catheter Insertion, Feasibility and Alternatives to Short Peripheral Cannulae
	Perform bladder catheterization, nasogastric catheterization and sampling using ultrasound-guided techniques
<b>The Evaluation of Catastrophes From an Nurses s Point of View</b>	Coordinate the organization and operation of medical transport with emphasis on communication, reporting and the integration of intensive care teams
	Implement, according to catastrophic situations, different emergency plans and action procedures
	Classify patients according to the latest triage systems and specific clinical criteria.
	Initiate resuscitation with a sequence of 30 chest compressions for 2 ventilations (BLS) as part of the Advanced Life Support protocols
	Consider the application of a precordial thump for a witnessed arrest when the defibrillator is not available and in previously monitored patients
	Diagnose the cardiac rhythm of the patient in arrest by applying the defibrillator-monitor paddles to the bare chest
	Simplify the number or type of drugs used in cardiopulmonary resuscitation (CPR)
<b>Urgencies and emergencies in the adult approached from Nursing</b>	Evaluate the different health conditions of the patient after a polytraumatic injury and report them to the physician
	Apply analgesic or sedation drugs according to the criteria of the physician in charge of your care
	Use Invasive and Non Invasive Mechanical Ventilation techniques according to the according to the recommendations of the physician in charge
<b>Urgencies and emergencies in the Pediatric Patient from Nursing</b>	Manage difficult to access airways with specialized instruments
	Access to the peripheral and central venous system through the most up-to-dated techniques of cannulation
	Use different psychological tools to communicate grief news to family members and offer bereavement support
<b>Advanced Role of Nursing in coronavirus infections</b>	Determine the state of respiration of the patient hospitalized in emergency units taking into account whether it is too fast, slow or with latent difficulties
	Measure patients' blood oxygenation and note previous comorbidities such as possible elevated blood pressure
	Implement different personal protective equipment to prevent the spread of the virus



# 05 Where Can I Do the Internship Program?

After a careful selection process, TECH has chosen high-level centers for this Practical Training. In these facilities, the nurse will have access to the latest technology in the health sector for the evaluation and monitoring of real patients with injuries and pathologies caused by Emergencies, Emergencies and Catastrophes. At the same time, you will find a staff of experts who will advise you on your progress in a masterly manner. In this way, you will achieve a high number of advanced competencies in the most efficient way possible.

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*Enroll now with TECH and update your skills for critical patient transport and all the nurse's responsibilities during those processes”*







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

**hm san francisco**  
#TODOSALDRABIEN #OUEDATEENCASA

Nurses

**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.

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**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Nursing in the Traumatology Department



*You will learn firsthand the reality of working in the area, in a demanding and rewarding environment."*

# 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. That way professionals will not have to worry in case of having 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. TUTORING:** 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. ABSENCES:** 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 Emergency Nursing, Advanced Emergencies and Disasters** 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 certificate issued by TECH Technological University via tracked delivery\*.

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

Title: **Practical Training in Emergency Nursing, Advanced Emergencies and Disasters**

Duration: **3 weeks**

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

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





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