

Internship Program

Hospital Pharmacy

A photograph of a healthcare professional, likely a pharmacist or intern, wearing a white lab coat and a stethoscope. They are holding a small, orange and white vial in their right hand. The background is a blurred pharmacy setting with shelves of various medications. The image is overlaid with a large green diagonal shape on the left side and a white diagonal shape on the right side.

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Internship Program
Hospital Pharmacy

Index

01

Introduction

p. 4

02

Why Study an
Internship Program?

p. 6

03

Objectives

p. 8

04

Educational Plan

p. 10

05

Where Can I Do the
Internship Program?

p. 12

06

General Conditions

p. 14

07

Certificate

p. 16

01 Introduction

Hospital Pharmacy is vital in providing comprehensive care to hospitalized patients. As such, pharmacists play a crucial role in the selection, preparation and distribution of medications, ensuring accurate administration and appropriate dosing. Likewise, their close collaboration with the medical team involves the application of their expertise in the management of pharmacotherapy, thereby contributing to greater efficacy and safety in treatments. In addition, they play a key role in the management of the drug supply chain, ensuring its timely and adequate availability. In this context, TECH has developed this innovative program, for professionals who want to broaden their experience in this field.

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Through this Internship Program, you will be directly involved in improving the quality of care, patient safety and efficiency in the management of healthcare resources”





Hospital Pharmacy plays a fundamental role in the optimization of medical treatments, ensuring the proper dispensing and administration of medications, which improves therapeutic efficacy. It also plays a crucial role in preventing medication errors and promoting patient safety. Its work also encompasses inventory management, leading to a more efficient use of resources and lower costs for healthcare institutions.

For this reason, hospital pharmacy practice must be carried out in a comprehensive and detailed manner, based on the most advanced hormonal and interventional therapies. And as the best way to perfect these skills is through practice, TECH has designed a program consisting of a 120-hour internship in a leading Hospital Pharmacy department.

In this way, during 3 weeks, graduates will become part of a team of specialists of the highest level, with whom they will work actively in the management of the different patients who need medication to treat their pathologies. In this way, they will be able to update not only on the most effective drugs, but will also be able to implement in their practice the most assertive and close communication skills to meet the patient's needs. Therefore, the professional will participate in a program that will raise their pharmaceutical talent to the highest level, increasing their human and empathic quality.

During your stay, you will be supported by an assistant tutor, who will ensure that all the requirements for which this Internship Program has been designed are met. As a result, the specialist will work with total guarantee and safety in the management of the most innovative pharmaceutical technology, as well as in the management of therapeutic plans that have given the best results today.

02

Why Study an Internship Program?

In different professional and educational fields, theory alone is not enough to achieve real progress. In the Hospital Pharmacy, it is essential not only to know the latest techniques and therapeutic approaches with medications and apply them effectively to address pathologies. For this purpose, TECH has conceived an innovative program, which consists of an intensive practical internship in the best hospital pharmacy departments globally. As such, graduates will acquire a comprehensive perspective on the recent situation in Hospital Pharmacy, guided throughout the process by experts in the field.



TECH is the only university that offers you the possibility of entering into real and highly demanding environments to deepen your knowledge of the latest advances in Hospital Pharmacy"

1. Updating from the latest technology available

Hospital Pharmacy is constantly evolving thanks to technological advances that have revolutionized the management and dispensing of medications. For example, dispensing robots allow efficient and accurate management, reducing errors and improving patient safety. In addition, the implementation of integrated information systems facilitates the traceability and tracking of medicines, from storage to administration, optimizing processes and ensuring more effective inventory management.

2. Gaining in-depth knowledge from the experience of top specialists

The large team of professionals that will accompany the specialist throughout the practical period is a first-class and an unprecedented guarantee of updating. With a specifically designated tutor, the student will be able to work with real patients and clients in a state-of-the-art environment, which will allow them to incorporate the most effective procedures and approaches in Hospital Pharmacy into their daily practice.

3. Entering first-class pharmaceutical environments

TECH carefully selects all available centers for Internship Programs. Thanks to this, the specialist will have guaranteed access to a prestigious environment in the area of Hospital Pharmacy. In this way, you will be able to see the day-to-day work of a demanding, rigorous and exhaustive sector, always applying the latest theses and scientific postulates in its work methodology.



4. Combining the best theory with state-of-the-art practice

The academic market is plagued by teaching programs that are poorly adapted to the daily work of the specialist and that require long teaching hours, often not very compatible with personal and professional life. TECH offers a new learning model, 100% practical, that allows you to get in front of state-of-the-art procedures in the field of Hospital Pharmacy and, best of all, to put it into professional practice in only 3 weeks.

5. Opening the door to new opportunities

Specialization in Hospital Pharmacy not only involves acquiring advanced knowledge in pathophysiology and pharmacotherapy, but also immersing oneself in the practical application of this knowledge through real clinical cases. Consequently, opening the door to new opportunities in this field not only translates into significant professional growth, but also represents the possibility of contributing to the continuous improvement of medical care in hospital settings, where quality and patient safety are a priority.



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

03

Objectives

The objective of this program will be to provide pharmacists with an immersive and enriching experience that reinforces their theoretical knowledge and enables them to apply it effectively in a dynamic hospital environment. Through real clinical cases, interactions with multidisciplinary teams and access to cutting-edge technologies, this program is not only presented as an opportunity to acquire practical skills, but also as a crucial step towards professional excellence in the hospital pharmacy service, where quality and innovation are imperative for the well-being of patients.



General Objectives

- ♦ Identify the management of a wide variety of clinical situations, using available patient-specific information (e.g., age-related, risk factors, relevant acuity indices, prehospital providers)
- ♦ Develop therapeutic and monitoring plans based on medication-related issues, patient-specific and disease-specific information, and laboratory data
- ♦ Summarize strategies for the procurement, preparation, and administration of time-sensitive therapies
- ♦ Evaluate the applicability and limitations of published data and reports to patient care
- ♦ Modify the treatment plan based on monitoring the patient's response to initial therapy





Specific Objectives

- ♦ Get to know strategies and up-to-date products for the administration of medicines in cases of Cardiovascular, Respiratory, Neurological or Reproductive System Diseases, among others
- ♦ Delve into opioid overdose
- ♦ Update knowledge of acute pain management in the substance abuse patient
- ♦ Delve into the Withdrawal Syndrome
- ♦ Delve into the rational use of antibiotics, developing a complete analysis of their definitions and the most common infections to be treated with them
- ♦ Gain in-depth knowledge about the organization and efficient management of the Hospital Pharmacy Department, including the assignment of roles and responsibilities of the pharmaceutical staff
- ♦ Delve into hospital information systems, electronic medical records and automation in the preparation and dispensing of medications
- ♦ Inquire into the concepts of pharmacoeconomics and health technology assessment, in order to analyze the efficiency and equity in the use of resources in the healthcare setting
- ♦ Implement and evaluate protocols for the use of medications in the hospital, ensuring their safe and efficient use

04

Educational Plan

The Internship Program in Hospital Pharmacy consists of a practical stay in a prestigious center, lasting 3 weeks, from Monday to Friday, with 8 consecutive hours of practical learning, alongside an assistant specialist. This internship will allow the graduate to deal with real patients, always together with a team of reference pharmacists, applying the most innovative procedures and planning drug-based therapeutics for each pathology.

In this internship program, completely practical in nature, the activities are aimed at developing and perfecting the skills necessary to provide care to patients with pharmaceutical treatment needs and conditions that require a high level of qualification, oriented towards specific expertise for the practice of the activity, in a safe environment for the patient

It is, without a doubt, a unique opportunity to learn by working, treating in real time patients who require specific medication for their treatments. This is a new way of understanding and integrating pharmaceutical processes, in an ideal teaching scenario, designed to develop this innovative experience.

The practical part 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 professors and other study partners that facilitate teamwork and multidisciplinary integration as transversal skills for the practice of Hospital Pharmacy (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:

Module	Practical Activity
Research work	Observe and become familiar with the daily operations of the hospital pharmacological center
	Participate in the review and update of the department's Standard Operating Procedures (SOP)
	Collaborate in the performance of pharmacoeconomics studies and cost analyses
	Cooperate in ethics committees and clinical research protocols
Education and innovation projects	Participate in the continuous development and updating of the pharmacological department staff
	Collaborate in the research and development of new pharmacological protocols
	Assistance in the implementation of information systems and health technologies in the pharmacological field
	Cooperate in the review and updating of continuing education for pharmaceutical staff
Pharmaceutical inventory management	Manage drug inventories and ensure their proper storage
	Assist in the receipt, classification and distribution of medicines and pharmaceutical products
	Assist in the management of waste and expired pharmaceuticals in a safe and environmentally responsible manner
	Monitor temperature and environmental conditions for proper storage of medications
	Coordinate contracts with pharmaceutical suppliers

Module	Practical Activity
Preparation and dispensing of medications	Prepare and dispense medications under the supervision of professional pharmacists
	Contribute to the verification of prescriptions and ensure compliance with legal and ethical regulations
	Collaborate in the identification and management of adverse drug-related events
	Manage clinical and pharmaceutical information in electronic systems
	Assist in the elaboration of monitoring and evaluation reports of pharmacological department activities
Patient care	Cooperate in patient care, providing information on medications and possible interactions
	Collaborate in the organization and implementation of patient education programs on the proper use of medications
	Participate in the promotion of pharmacovigilance and adverse reaction reporting
	Intervene in the implementation of measures for the prevention of medication errors

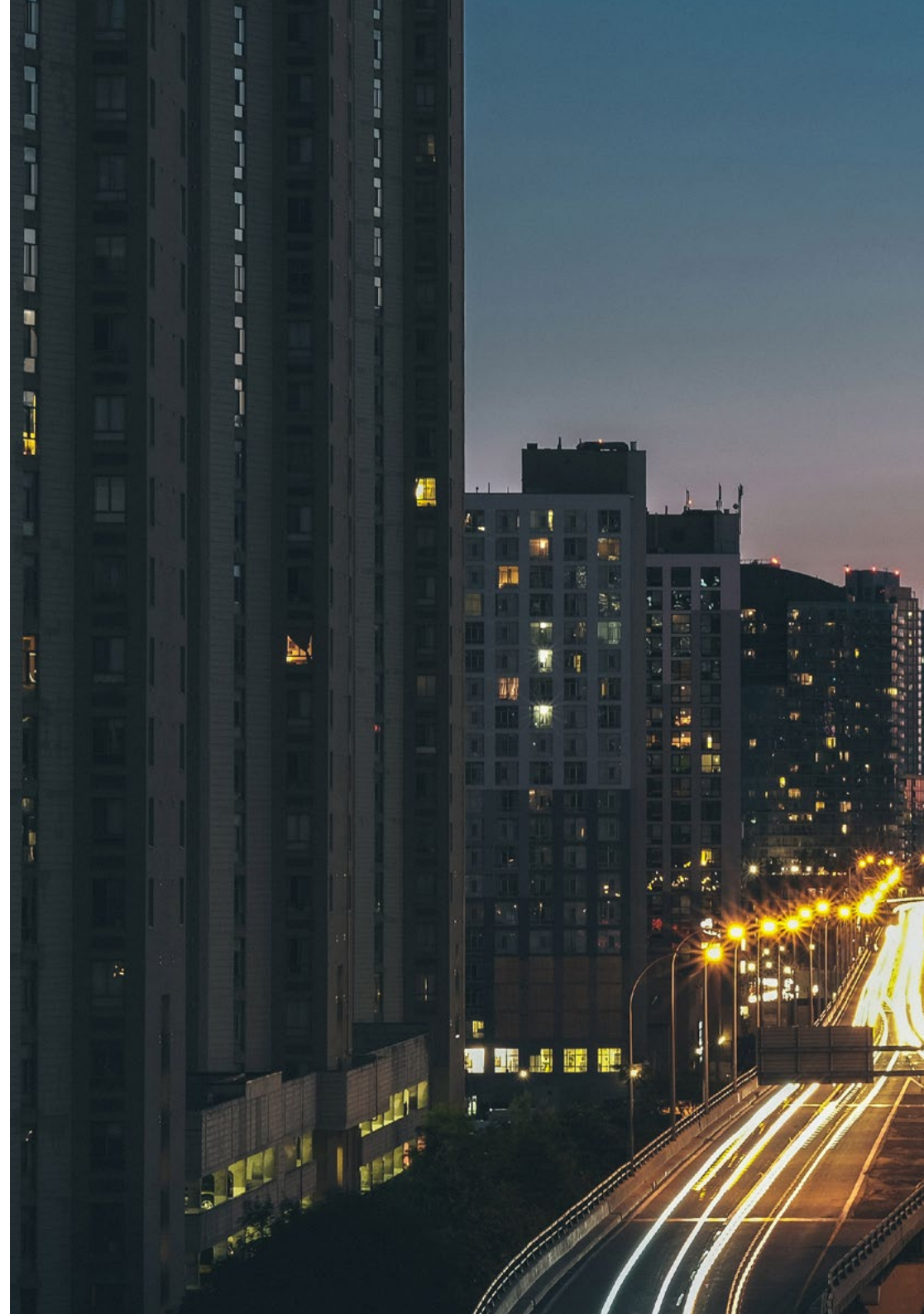
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Where Can I Do the Internship Program?

This intensive Internship Program will take place in a leading hospital pharmacy department. Here, professionals will apply in a practical way all their knowledge in the field of Hospital Pharmacy. In addition, to make this program more accessible, TECH will give the opportunity to carry it out in hospitals throughout the country. In this way, the institution reiterates its commitment to educational excellence and availability to all.

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Enrich your background with an unsurpassed practical experience in Hospital Pharmacy. You will achieve success through your participation in this program offered by TECH!"





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



Pharmacy

**Fundación Investigación Biomédica
del Hospital de la Princesa**

Country

Spain

City

Madrid

Address: Calle de Diego de León,
62, Salamanca, 28006 Madrid

Reference center for clinical research and biosanitary
innovation

Related internship programs:

- Hospital Pharmacy
- MBA in Management and Monitoring of Clinical Trials



*Make the most of this opportunity
to surround yourself with expert
professionals and learn from their
work methodology"*

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 learning 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 program agreement shall be as follows: 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 Hospital Pharmacy** 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 certificate issued by TECH will reflect the grade obtained in the test.

Title: **Internship Program in Hospital Pharmacy**

Duration: **3 weeks**

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

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



future
health confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present quality
online training
development languages
virtual classroom

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