

Postgraduate Certificate Hospital Pharmacy Management





Postgraduate Certificate Hospital Pharmacy Management

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

Website: www.techtute.com/us/pharmacy/postgraduate-certificate/hospital-pharmacy-management

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

Currently, hospital pharmacists have information systems and automated tools that facilitate their activities. There is no doubt that in the coming years the healthcare world and especially the pharmacist will significantly increase the use of technological innovations 5G, robotization, artificial intelligence, among others, some already available in other sectors to improve their logistical efficiency. Given the relevance of this field of study today, this program has been developed in order to provide the Pharmacy expert with exclusive content on strategies for the procurement, preparation and administration of time-sensitive therapies. This with the support of a specialized teaching staff and in a 100% online modality.



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In TECH you will delve into Hospital Pharmacy Management with exclusive and first level content”

The specialization of hospital pharmacists in clinical areas has been consolidating for more than a decade, generating an impact on pharmaceutical management in hospitals. It is therefore linked to a concept of vital current importance for the sustainability of health systems, which is the efficiency of medicines. In this way, the pharmacy service requires an involvement and commitment with the healthcare team and with patients. In this way, it is possible to improve one of the most important challenges of current healthcare systems, which is the evaluation of pharmacotherapeutic results in patients in clinical practice in the real world.

In this way, studies and research in this field have continued to advance in order to answer multiple questions, thus confirming that pharmacy professionals must continue to be at the forefront of the sector. That is why this Postgraduate Certificate will provide the expert with robust updates on Hospital Pharmacy Management and on the applicability and limitations of published data and reports to patient care.

The specialists will reinforce his competences in important areas concerning toxicokinetics and toxic effects of Acetylsalicylic Acid and Paracetamol, identifying clinical symptoms of intoxication and managing their pharmacological treatment. A university qualification that integrates a qualified teaching team and at the same time, supported by audiovisual material of the highest standards providing a dynamic space for the professionals along with the convenience of the online modality.

In this sense, TECH projects its education towards comfort and excellence, that is why this program offers the most complete and high quality academic update, being a program of great flexibility by only needing a device with the availability of Internet connection to access without complications and with comfort to the virtual platform from wherever you are.

This **Postgraduate Certificate in Hospital Pharmacy Management** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ The development of practical cases presented by experts in Pharmacy, Hospital Management, among others
- ◆ Graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ◆ Practical exercises where self-assessment can be used 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



At TECH you will continue to strengthen your competencies and develop multiple skills in the field of Hospital Pharmacy”

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This Postgraduate Certificate will provide you with important updates in Information Technology applied to Hospital Pharmacy management”

In this program you will be supported by the highest quality multimedia material, thus complementing your knowledge in the sector.

With TECH you will not have to leave your home, since you will be able to take your sessions with a device that has an Internet connection.

The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will provide the professionals with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professionals must try to solve the different professional practice situations that are presented throughout the academic course. This will be done with the help of an innovative system of interactive videos made by renowned experts.



02

Objectives

This Postgraduate Certificate in Hospital Pharmacy Management has been specifically designed to provide the professionals of the current developments updates in the field of this context. Accordingly, TECH provides different tools of academic innovation, successfully achieving the development and completion of the program. Upon completion of this program, the graduates will have acquired knowledge in the use of chelating agents in heavy metal poisoning and the antidotes used in cases of opioid analgesic overdose.



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*With the diverse technological resources that
TECH offers you, you will achieve an optimal
culmination of the academic program”*



General Objectives

- ◆ Identify 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 problems, patient- 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

- ◆ Deepen 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 to analyze the efficiency and equity in the use of resources in the health care setting
- ◆ Implement and evaluate protocols for the use of medications in the hospital, ensuring their safe and efficient use and their integration with the hospital information system

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In this Postgraduate Certificate you will strengthen your competences with the support of innovative tools in the pharmaceutical field”

03

Course Management

TECH offers elite teaching for students pursuing their university qualifications thanks to the didactic resources that manage to optimize the development of each of its programs. Thus, the graduates will have access to content created by a teaching team specialized in Clinical and Pharmaceutical Analysis, Clinical Laboratory, Pharmacotherapeutic Monitoring of HIV/AIDS patients and Clinical Pathology. Their wide experience and deep knowledge will allow the graduates to solve doubts or answer questions that may arise during the course of the program.



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TECH has a professional team with a focus in the Hospital Pharmacy Service and pharmacotherapeutic supervision in critical patients”

Management



Mr. Ramos Rodríguez, Javier

- ◆ Pharmacist at Hospital Corporación Sanitaria Parc Taulí, Sabadell, Spain
- ◆ Coordinating member of the working group of pharmacists specializing in the Emergency Department (RedFaster)
- ◆ Pharmacist specializing in Hospital Pharmacy at Hospital Mútua de Terrassa
- ◆ Pharmacist specializing in Hospital Pharmacy at Consorci Sanitari Integral
- ◆ Resident Pharmacist at Servicio Canario de la Salud (Canary Health Service)
- ◆ Assistant Pharmacist in Pharmacy María Concepción Gutiérrez
- ◆ Assistant Pharmacist in Pharmacy Marina López González
- ◆ Master in Pharmacotherapeutic Follow-up of HIV/AIDS patients by the University of Granada

Professors

Mr. Wood, Eduardo

- ◆ Head of Hospital Pharmacy Service at ICOT Group
- ◆ Specialist in Clinical Pathology at Life Length
- ◆ Specialist in Clinical Analysis and assistant pharmacist at Pérez del Toro y Gálvez CB Laboratory Pharmacy
- ◆ Clinical Analysis Specialist in Laboratorio González Santiago SL
- ◆ Clinical Laboratory Specialist at Eurofins Megalab
- ◆ Specialist in Clinical Analysis at Dr. Negrin University Hospital
- ◆ Degree in Pharmacy from the Complutense University of Madrid



04

Structure and Content

This program has been developed and designed according to the most current studies in the pharmaceutical field, achieving a syllabus that provides an exquisite content in Hospital Pharmacy Management. This Postgraduate Certificate is oriented to provide advanced and exclusive content on antidotes used in cases of opioid analgesic overdose. All this, through a wide variety of audiovisual tools that contribute to the academic development of this university program.



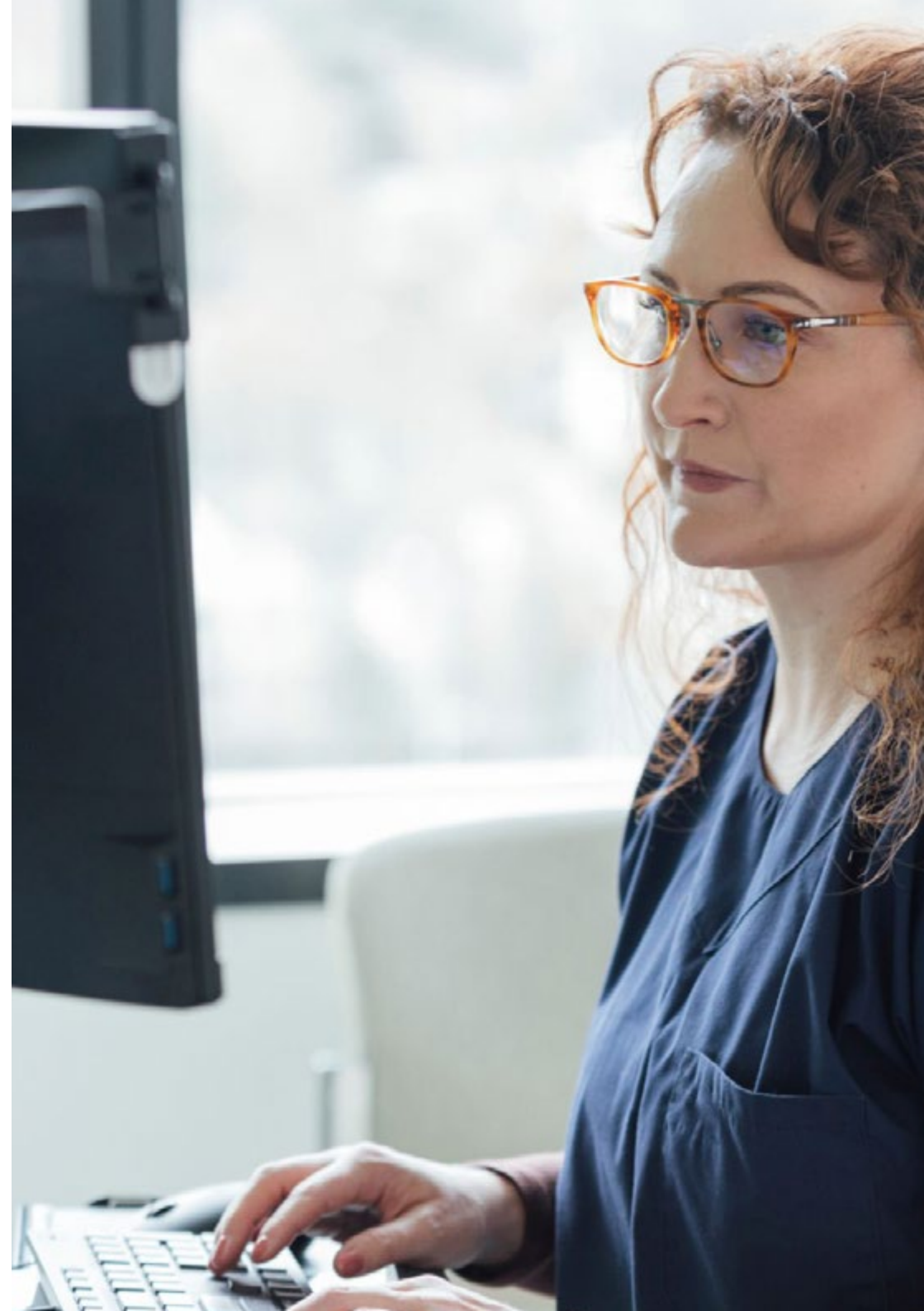


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A syllabus developed by experts and a content oriented to the general principles of poisoning management in the hospital setting”

Module 1. Hospital Pharmacology Management

- 1.1. Human Resources Management in the Hospital Pharmacy Department
 - 1.1.1. Organization of the Hospital Pharmacy Department
 - 1.1.2. Roles of the pharmaceutical staff
 - 1.1.3. Performance evaluation and professional development of the pharmaceutical staff
 - 1.1.4. Design of education and training programs for pharmaceutical personnel
- 1.2. Information technologies applied to Hospital Pharmacy management
 - 1.2.1. Hospital information systems and their integration with the Pharmacy department
 - 1.2.2. Electronic medical records and pharmacotherapeutic registries in the hospital environment
 - 1.2.3. Automation and robotics in the preparation and dispensing of medications
 - 1.2.4. Inventory management and stock control systems in the pharmacy department
- 1.3. Inventory management and pharmaceutical logistics in hospitals
 - 1.3.1. Organization and structure of the pharmacy department in the context of hospital logistics
 - 1.3.2. Selection and evaluation of pharmaceutical suppliers
 - 1.3.3. Receipt, storage and distribution of drugs and pharmaceuticals
 - 1.3.4. Rotation and expiration of inventory in the hospital environment
- 1.4. Pharmacoeconomics and health technology assessment
 - 1.4.1. Methods and techniques of health economic analysis
 - 1.4.2. Analysis of efficiency and equity in the use of resources in the health sector
 - 1.4.3. Assessment of health outcomes and health-related quality of life
 - 1.4.4. Use of health and economic indicators in clinical and administrative decision making
- 1.5. Development and monitoring of protocols for the use of drugs in hospitals
 - 1.5.1. The role of the hospital pharmacist in the development of protocols
 - 1.5.2. Design and development of protocols for the safe and efficient use of medications
 - 1.5.3. Implementation and dissemination of protocols in the health care team
 - 1.5.4. Integration of medication use protocols with the hospital information system
- 1.6. Pharmacovigilance and patient safety in the administration of medications
 - 1.6.1. Pharmacovigilance systems and databases in the hospital setting
 - 1.6.2. Reporting and recording of adverse drug-related events
 - 1.6.3. Methods for the early detection of adverse drug reactions
 - 1.6.4. Active and passive pharmacovigilance in hospital pharmacy



- 1.7. Ambulatory clinical pharmacy and outpatient care
 - 1.7.1. Models of outpatient pharmaceutical care in the hospital setting
 - 1.7.2. Pharmaceutical evaluation of outpatients: collection and analysis of clinical and pharmacotherapeutic data
 - 1.7.3. Elaboration of pharmacological treatment plans and outpatient monitoring
 - 1.7.4. Use of information technologies in outpatient pharmaceutical care
- 1.8. Quality Management and Continuous Improvement in Hospital Pharmacy
 - 1.8.1. quality standards applicable to hospital pharmacy
 - 1.8.2. Implement of quality management system
 - 1.8.3. Evaluation and improvement of processes in the hospital pharmacy area
 - 1.8.4. Internal and external audits in hospital pharmacy quality management
- 1.9. Integration of hospital pharmacy in multidisciplinary health teams
 - 1.9.1. Models of interprofessional and multidisciplinary care in the hospital setting
 - 1.9.2. Roles and responsibilities of the pharmacist in multidisciplinary health teams
 - 1.9.3. Effective communication and collaboration among health care professionals in the hospital setting
 - 1.9.4. Clinical cases and case discussion in multidisciplinary teams
- 1.10. Project Management and Strategic Planning in Hospital Pharmacy
 - 1.10.1. Processes and methodologies for project management in the field of hospital pharmacy
 - 1.10.2. Identification and formulation of pharmaceutical projects in hospital pharmacy
 - 1.10.3. Planning and organization of resources for the implementation of projects
 - 1.10.4. Implementation and follow-up of pharmaceutical projects



TECH offers you time flexibility with the 100% online modality. Are you going to let this opportunity pass you by?"

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.





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"

At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will be confronted with multiple simulated clinical cases based on real patients, in which they will have to investigate, establish hypotheses and ultimately, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Pharmacists learn better, more quickly and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gervas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, attempting to recreate the actual conditions in a pharmacist's professional practice.

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Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”

The effectiveness of the method is justified by four fundamental achievements:

1. Pharmacists who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

Our University is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which represent a real revolution with respect to simply studying and analyzing cases.

Pharmacists will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 115,000 pharmacists have been trained with unprecedented success in all clinical specialties, regardless of the surgical load. This pedagogical methodology is developed in a highly demanding environment, with a university student body with a high socioeconomic 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 specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

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.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is created specifically for the course by specialist pharmacists who will be teaching the course, so that the didactic development is highly specific and accurate.

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.



Video Techniques and Procedures

TECH introduces students to the latest techniques, to the latest educational advances, to the forefront of current pharmaceutical care procedures. All of this, first hand, and explained and detailed with precision to contribute to assimilation and a better understanding. And best of all, you can watch them as many times as you want.



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 unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



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.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



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.



Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



06

Certificate

The Postgraduate Certificate in Hospital Pharmacy Management guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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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 Hospital Pharmacy Management** 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 Hospital Pharmacy Management**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



*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.

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



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