

Postgraduate Certificate

Medical Affairs in the Hospital Pharmacy Service





Postgraduate Certificate

Medical Affairs in the Hospital Pharmacy Service

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

Website: www.techtute.com/us/medicine/postgraduate-certificate/medical-affairs-hospital-pharmacy-service

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01

Introduction

The hospital pharmacy is one of the fundamental axes for the realization of any pharmacological study in the hospital world. Moreover, exhaustive knowledge by Medical Affairs of its operation becomes essential in an industry that seeks specialists who are aware of the new developments introduced in the field of clinical research, the preservation of patient data and the Substantial cost savings in treatments. Along these lines, this 100% online program was born, created by this academic institution thanks to a specialized teaching team with extensive professional experience in relevant hospital centers. In addition, the professional who enters this program will have innovative pedagogical tools that can be accessed 24 hours a day.





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*A 100% online Postgraduate Certificate
that offers a cutting-edge vision of Medical
Affairs in the Hospital Pharmacy Service”*

Not knowing the structure and operation of the hospital pharmacy slows down the interaction and synergies that occur between Medical Affairs and professionals that make up said service. This represents a high cost for the pharmaceutical industry in time and effort, so being up to date on this department is crucial in the professional development of any specialist who wants to function successfully.

It is therefore also highly valued to be aware of the latest trends in research assistance being carried out, as well as the advantages of being aware of drug control regulations, safety research support trends that are being carried out, as well as the advantages of being aware of the regulations on drug control, drug safety monitoring and health outcomes. Given the relevance of this knowledge, TECH has created this university degree in Medical Affairs in the Service of Hospital Pharmacy, which provides the medical professional with information most up-to-date and outstanding in this area.

A Postgraduate Certificate with a theoretical, but at the same time practical, approach, which is provided through a syllabus prepared by pharmaceutical specialists, who currently perform their duties in reference hospitals. Likewise, the multimedia teaching resources, essential readings and case studies will lead the professional to delve in a much more dynamic and attractive way into the financing of studies and contracts, the role of the pharmacist in the access and positioning of medications in the hospital or the benefits of vaccination.

Furthermore, the Relearning system, based on the repetition of content, will allow you to advance in a much more natural and progressive way through a syllabus that is at the academic forefront. On the other hand, this method facilitates the reduction of study hours and memorization so characteristic of other types of teaching.

This institution thus offers professionals an excellent opportunity to be able to study a high-level university degree that is flexible and easy to access, whenever and wherever you want. You only need an electronic device with an internet connection to be able to view the syllabus hosted on the virtual platform. An ideal program for those who wish to combine quality teaching with their work and/or personal responsibilities.

This **Postgraduate Certificate in Medical Affairs in the Hospital Pharmacy Service** 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 Medicine and in the pharmaceutical industry
- ♦ The 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



TECH adapts to you and that is why it has created a compatible university program with personal responsibilities and professionals”

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You have a library of multimedia resources that will help you update your knowledge about vaccination in a way much more attractive”

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

Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning, that is, a simulated environment that will provide an immersive training programmed to train in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different situations of professional practice that are presented throughout the Course program.

A flexible Postgraduate Certificate that allows you to learn about trends in telepharmacy and patient follow-up.

An academic option that will bring you closer to the latest developments in clinical research and clinical trials.



02

Objectives

The objective of this Postgraduate Certificate is none other than to offer the medical professional the most relevant and current information on the operation of the hospital pharmacy service, as well as the new technologies used both in research and in the collection of health data. To do this, it also has theoretical content, clinical cases that will allow you to approach real situations, whose methodology you can efficiently integrate into your daily practice.



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This program will allow you to be up to date on research and use “state-of-the-art software”



General Objectives

- ♦ Recognize the organizational structure of a hospital center
- ♦ Simulate an incident notification system
- ♦ Know the importance of vaccines and their need
- ♦ Define the benefits of general vaccination
- ♦ Recognize risk groups and risk situations for the use of vaccines
- ♦ Learn new ways of researching with the use of cutting-edge software
- ♦ Describe sound data as support for truthful research





Specific Objectives

- ♦ Describe the characteristics, structure and functions of a hospital pharmacy
- ♦ Investigate the role of the hospital pharmacist in terms of access and positioning and selection of medications in the hospital
- ♦ Learn about the new telepharmacy patient monitoring models
- ♦ Define the Safety in the Use of Medicines
- ♦ Recognize the importance of safe medication use and reporting medication errors
- ♦ identify new technologies applied to health data management

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This qualification will allow you you to go in depth whenever you wish, from your computer, in the latest methodologies for the of HTA evaluation”.

03

Course Management

There is no doubt, the professional background of the teaching team that teaches this program provides support and guarantee for the specialist who takes this program. Their extensive knowledge in the field of hospital pharmacy service, as well as the functions of medical affairs will be reflected in the syllabus to which the students who enter this program will have free access, 24 hours a day. Furthermore, given the proximity of the teaching staff, the graduate will be able to resolve any questions that may arise about the syllabus throughout the 6 weeks of this program.





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TECH has brought together pharmaceutical professionals in this 100% online program of hospital centers reference"

Management



Dr. Cuchí Alfaro, Miguel Ignacio

- ♦ Medical Director of the Puerta de Hierro Majadahonda University Hospital in Spain
- ♦ Medical Coordinator of Hospital Audit in the Madrid Service
- ♦ Deputy Manager of the Ramón y Cajal University Hospital of Madrid
- ♦ Deputy Medical Director of the Ramón y Cajal University Hospital of Madrid
- ♦ Degree in Medicine

Professors

Mr. Hernández Terciado, Carlos

- ♦ Urology the Athlete, Puerta del Hierro University Hospital, Majadahonda
- ♦ Researcher and specialist in the of Antibiotics study
- ♦ Degree in Pharmacy from the University of Salamanca

Mr. Alcaraz López, Juan Ignacio

- ♦ Urology the Athlete, Puerta del Hierro University Hospital, Majadahonda
- ♦ Pharmacology researcher
- ♦ Graduated in Pharmacy from the Complutense University of Madrid

Ms. Gumiel Baena, Inés

- ♦ Urology Pharmacist, Puerta del Hierro University Hospital, Majadahonda
- ♦ Master's Degree in Medical Devices from the University of Granada.
- ♦ Hospital Pharmacy. Specialist at the Puerta de Hierro Majadahonda University Hospital
- ♦ Graduate in Pharmacy from the Complutense University of Madrid.



Ms. Armendáriz Patier, Lucía

- ◆ Researcher at the Biomedical Research Foundation of the Puerta de Hierro University Hospital in Spain
- ◆ Master in Management and Monitoring of Clinical Trials by TECH Technological University
- ◆ Degree in Pharmacy from the Complutense University of Madrid.

Ms. Lozano Llano, Carla

- ◆ Urology Pharmacist, Puerta del Hierro University Hospital, Majadahonda
- ◆ Pharmacy Assistant Technician
- ◆ Degree in Pharmacy from the Complutense University of Madrid.

Ms. De Santiago Álvarez, Raquel

- ◆ Urology Pharmacist, Puerta del Hierro University Hospital, Majadahonda
- ◆ Master's Degree Own in Pharmaceutical Oncology by the University of Valencia
- ◆ Degree in Pharmacy from the Complutense University of Madrid.

Dr. López Sanromán, Javier

- ◆ Head of Preventive Medicine at the MD Anderson Cancer Center Madrid
- ◆ Master in Total Quality from the UP of Madrid
- ◆ Master's Degree in Health Services Management at the University of Alcalá
- ◆ Specialist in Preventive Medicine and Public Health, Hospital Universitario La Paz.

04

Structure and Content

TECH has designed a study plan that provides professionals with an update of knowledge about Medical Affairs in the Hospital Pharmacy Service. In order to do this, this syllabus with a theoretical, but at the same time practical, approach will take you to know the latest developments in this service, as well as clinical research and the tools currently used. The library of multimedia resources, available at any time of the day, will facilitate expansion objectives of concepts by the students.



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A study plan that will keep you up to date on new technologies applied to research, analysis and data processing”

Module 1. Visions from hospital pharmacy, clinical research and new tools for research

- 1.1. Structure and Function of the Hospital Pharmacy. Service
 - 1.1.1. Structure and Organisation of the Hospital Pharmacy. Service
 - 1.1.2. Objectives and Functions of a Hospital Pharmacy Service
 - 1.1.3. Prioritization in the Development of the Functions of a Pharmacy Service
 - 1.1.4. Portfolio of Services and Work Areas
 - 1.1.5. Resources. Teamwork
- 1.2. Research with medications in the hospital: vision of the hospital pharmacy
 - 1.2.1. Clinical Research and Trials
 - 1.2.2. Medication used and Participants in a Clinical Trial
 - 1.2.3. Functions of the Pharmacy Department / Management of the target medication of the clinical trial
 - 1.2.4. Financing of Studies and Contracts
- 1.3. Role of the pharmacist in the access and positioning of medications at the hospital
 - 1.3.1. Authorization and Marketing of Medicines
 - 1.3.2. Medication Selection: - Medication Selection
 - 1.3.3. Medication selection: - Evidence-Based Medicine
 - 1.3.4. Therapeutic Positioning Reports
- 1.4. Pharmacotherapeutic monitoring: health results and telepharmacy
 - 1.4.1. Patient Perceived Health Outcomes (PROMs): What Are They and How to Measurement Them?
 - 1.4.2. Patient-reported experience health outcomes (PREMs): What Are They and How to Measurement Them?
 - 1.4.3. APN Clinical Practice Application
 - 1.4.4. Telepharmacy towards a new patient monitoring model
- 1.5. Safety in the Use of ICTs in the At Hospital
 - 1.5.1. The Importance of Security/Safety
 - 1.5.2. Medication Errors
 - 1.5.3. Risk Management and Notification Systems Incident
 - 1.5.4. Prevention of Medication Errors



- 1.6. Advantages of Vaccines in General:
 - 1.6.1. Why are vaccines necessary?
 - 1.6.2. Impact of Vaccines on Health
 - 1.6.3. Vaccine Safety
 - 1.6.4. Phases in the Development of vaccines are
- 1.7. Vaccination in Risk Groups
 - 1.7.1. Risk Groups
 - 1.7.2. Risk Situations
 - 1.7.3. Vaccination Highlights: What's New
- 1.8. Platform to support research in the hospital
 - 1.8.1. State of the art of software as an aid to research
 - 1.8.2. Website Architecture
 - 1.8.3. Necessary regulatory requirements
- 1.9. The Healthy Data
 - 1.9.1. The Logistics of Healthy Data
 - 1.9.2. Data Certification
- 1.10. New technology applied to research
 - 1.10.1. La New Technologies in Data Visualization
 - 1.10.2. New technology in data analysis
 - 1.10.3. New technology in data prediction in research



You will be able to reduce the hours of memorization and study thanks to the Relearning method used by TECH”

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.



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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 face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, 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. Gérvas, 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, trying to recreate the real conditions in the physician'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. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of 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.

This 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, a real revolution with respect to the mere study and analysis of cases.

Professionals will learn through real cases and by resolving 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 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

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 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.



Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



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".



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, TECH presents real cases in which the expert will guide students, 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 Medical Affairs in the Hospital Pharmacy Service 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 Medical Affairs in the Hospital Pharmacy Service** 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 Medical Affairs in the Hospital Pharmacy Service**

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.



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