

# Postgraduate Certificate

## Professional Pharmaceutical Services and Health Outcomes

Endorsed by:





## Postgraduate Certificate Professional Pharmaceutical Services and Health Outcomes

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 8 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/pharmacy/postgraduate-certificate/professional-pharmaceutical-services-health-outcomes](http://www.techtute.com/us/pharmacy/postgraduate-certificate/professional-pharmaceutical-services-health-outcomes)

# 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

The pharmacist is involved in the comprehensive approach to health problems, in carrying out educational work, monitoring treatments and detecting their adverse effects. In this way, Community Pharmacy has become a key pillar for healthcare systems and the wellbeing of society as a whole. A role that implies a continuous renovation of the services they can perform and the processes used in the evaluation of patients' results. This is the focus of this program created by TECH to promote the update on pharmacovigilance, strategies for drug addiction or adherence to treatment. All this, in an exclusively online format and with the most innovative pedagogical resources.





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*A 100% online Postgraduate Certificate,  
unique and compatible with your  
professional and personal responsibilities"*

Beyond the process of dispensing medicines, pharmacists have demonstrated through their knowledge that they are amply qualified to offer other types of services aimed at patient health and the improvement of treatment monitoring processes.

In this sense, as part of this work methodology, the Community Pharmacy pharmacist is essential in the evaluation of the results of each therapy, the translation of the information prescribed by other specialists or the performance of tasks focused on drug addiction. Based on these functions, TECH has created this program in Professional Pharmaceutical Services and Health Outcomes, which provides a complete upgrade in this field.

In this way, students will follow a 6-week academic course, where they will be able to effectively update on pharmacovigilance protocols, pharmacotherapeutic monitoring or programs for smoking cessation or methadone dispensing for opiate addiction.

All this, in addition, with pedagogical tools in which this institution has used the latest technology applied to university teaching. A set of resources that make up the excellent virtual library of this program.

Thus, the pharmacist will be able to study a flexible program that is perfectly compatible with the most demanding responsibilities. And the fact is that, without attendance or classes with fixed schedules, the graduate will be able to self-manage their study time and access the syllabus, whenever and wherever they wish.

This **Postgraduate Certificate in Professional Pharmaceutical Services and Health Outcomes** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The examination of practical cases presented by experts in Community Pharmacy
- ♦ 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



*240 advanced teaching hours that will allow you to expand your competencies in the Professional Pharmaceutical Services you provide"*

“*You are facing an academic option that will allow you to incorporate new strategies in the pharmaceutical care you provide on a daily basis”*

*A 100% online diploma that will take you deeper into the analysis of vascular risk factors and their intervention as a pharmacist.*

*In this program, you will delve deeper into the existing programs for syringe exchange in community pharmacy.*

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 professional with situated and contextual learning, i.e., a simulated environment that will provide an immersion education programmed to learn 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 professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.



# 02 Objectives

This program in Professional Pharmaceutical Services and Health Outcomes is designed to provide professionals with a complete education in this field in just 6 weeks and supported by numerous innovative teaching materials. Pedagogical resources that you can access comfortably, at any time of the day and from an electronic device with internet connection. A unique academic opportunity that only TECH offers.





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*Delve at any time of the day in the services oriented to tobacco cessation and its real results”*



## General Objectives

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- Update the knowledge of community pharmacists in the different professional pharmaceutical care services
- Promote pharmaceutical care strategies based on the approach to the patient from the community pharmacy in the socio-health and home environment
- Encourage the acquisition of skills, through a powerful audiovisual system, and also allows development through online simulation workshops and/or specific
- Encourage the professional stimulation of community pharmacists through continuing education and research
- Incorporate the provision of the different Professional Pharmaceutical Care Services to the usual pharmaceutical practice of the Community Pharmacy
- Promote the professional development of the professional community pharmacist in the field of Community Pharmacy





## Specific Objectives

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- ◆ Acquire the knowledge for the provision of each of the different services aimed at assessing and improving the results of medicines and medical devices
- ◆ Assess the clinical outcome of medications used by patients
- ◆ Detect the main adverse reactions that a patient may suffer
- ◆ Differentiate the different vascular risk factors and their intervention
- ◆ Learn the necessary knowledge to perform the smoking cessation service
- ◆ Describe the syringe exchange program

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*You will be able to perfect your skills in the detection of adverse drug reactions thanks to this Postgraduate Certificate”*

03

# Course Management

TECH has brought together in this program a magnificent team of professionals with extensive professional experience as pharmacists in Community Pharmacy, specialists in Pharmaceutical Care, Nutrition and Bromatology. Thanks to this specialized group, the graduate will obtain the most rigorous and current information on Professional Pharmaceutical Services and Health Outcomes. In addition, their proximity will allow you to resolve any doubts you may have about the content of this program.



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*If you have any doubts about the content of this syllabus, you will have at your disposal outstanding pharmacists specialized in Community Pharmacy”*

## Management



### Dr. Baixauli Fernández, Vicente Javier

- ♦ Community Pharmacist
- ♦ Pharmacist owner of a community pharmacy in Valencia
- ♦ Vice-president of the Spanish Society of Community Pharmacy (SEFAC)
- ♦ Member of the governing board of the micof of valencia
- ♦ PhD in Pharmacy from CEU Cardenal Herrera University
- ♦ Degree in Food Science and Technology from the ETS of Agricultural Engineers of the Polytechnic University of Valencia
- ♦ University expert in pharmacotherapeutic monitoring from the University of Granada
- ♦ Experience teaching in several editions of university masters and educational courses
- ♦ Author of ACOFAR, El Farmacéutico, Offarm, Pharmaceutical Care Spain, Community Pharmacists
- ♦ Co-author of more than 23 books

## Professors

### Dr. Velert Vila, Josefina

- ♦ Community Pharmacist Alboraya, Valencia
- ♦ Doctor of Pharmacy
- ♦ Author of The pharmacist's role in stress management

### Dr. Velet Vila, Mar

- ♦ Community Pharmacist in Valencia
- ♦ Author of several specialized articles
- ♦ Doctor of Pharmacy

### Ms. Mateos Lardiés, Ana María

- ♦ Community Pharmacist Zaragoza
- ♦ Degree in Pharmacy and Biochemistry
- ♦ Graduate in Human Nutrition and Dietetics
- ♦ Member of: President of the Scientific Committee of the VIII Congress of Community Pharmacists of the Spanish Society of Clinical, Family and Community Pharmacy

**Dr. Gastelurrutia Garralda, Miguel Ángel**

- ♦ Community Pharmacist in San Sebastian
- ♦ Lecturer at the University of Granada
- ♦ Doctor of Pharmacy, University of Granada
- ♦ Degree in Pharmacy from the University of Navarra
- ♦ President of the Official College of Pharmacists of Gipuzkoa
- ♦ President of the Spanish Society of Community Pharmacy
- ♦ President of the Scientific Committee of the Spanish Society of Community Pharmacy
- ♦ Academician of the Iberoamerican Academy of Pharmacy
- ♦ Trustee of the Pharmaceutical Care Foundation of Spain

**Mr. Moranta Ribas, Francesc Xavier**

- ♦ Community Pharmacist Expert in Nutrition and Bromatology
- ♦ Community Pharmacist. Palma de Mallorca, Balearic Islands
- ♦ Ex-president of the delegation of the Spanish Society of Community Pharmacy in the Balearic Islands (SEFAC)
- ♦ Degree in Pharmacy
- ♦ Member of: Spanish Society of Family and Community Pharmacy (SEFAC)

**Dr. García Zaragoza, Eugenia**

- ♦ Community Pharmacist
- ♦ Head Pharmacist at the Orthopedics Pharmacy Eugenia García Zaragoza
- ♦ Community Pharmacist in Alfaz del Pi. Alicante
- ♦ Clinical Analyst
- ♦ Doctor of Pharmacy from the University of Valencia
- ♦ Diploma in Pharmacy

**Dr. Gil-Girbau, Montserrat**

- ♦ Researcher of the research group in Primary Care and Mental Health (PRISMA) at the San Juan de Dios Research Institute
- ♦ Expert in Qualitative Research
- ♦ Master in Welfare Pharmacy and Pharmaceutical Care at the University of Barcelona
- ♦ PhD in Pharmacy from the University of Barcelona
- ♦ Degree in Pharmacy
- ♦ Member of: Member and referent of adherence in the Spanish Society of Family and Community Pharmacy (SEFAC) of Catalonia

**Mr. Gómez Martínez, Jesús Carlos**

- ♦ Community Pharmacist in Pharmacy
- ♦ Head of Managed Care, Management Areas, Scientific Societies and National Projects at Hoechst Marion Roussel Inc.
- ♦ Product Manager of Infectious Pathology and Antibiotics Area
- ♦ Sales Delegate at Roussel Ibérica
- ♦ Degree in Pharmacy with Clinical Analytical Orientation from the University of Barcelona
- ♦ Master in Pharmaceutical Attention by the University of Barcelona
- ♦ Master's Degree in Marketing and Business Management by EADA
- ♦ Master's Degree in Food and Nutrition from the European University of the Canary Islands
- ♦ Vice-president of the Economic and Projects Area of SEFAC

# 04

## Structure and Content

The agenda of this program focuses on providing the most relevant and current information on Professional Services oriented to the improvement of evaluation procedures and health outcomes through medicines. Advanced content, where the graduate will be able to deepen in a much more dynamic way thanks to the multimedia didactic resources, the specialized readings and the case studies provided by the specialized team.





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*A curriculum that provides you with the most advanced content on methods for assessing adherence to pharmacological treatment"*

**Module 1. PPCs Aimed at Assessing and Improving Health Outcomes of Medicines and Medical Devices**

- 1.1. Monitoring
  - 1.1.1. Pharmacotherapeutic Monitoring System
  - 1.1.2. Pharmacosurveillance System
- 1.2. Adherence to Pharmacological Treatment
  - 1.2.1. System for Aiding Therapeutic Adherence
- 1.3. Drug Dependency Treatment
  - 1.3.1. Benzodiazepine Cessation System
  - 1.3.2. Tobacco Cessation System
  - 1.3.3. Opiate Withdrawal Through Methadone Dispensation System





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*Get current on the most effective strategies for performing benzodiazepine cessation services”*

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. 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, 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 Pharmaceutical Professional Services and Health Outcomes guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.





*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 Professional Pharmaceutical Services and Health Outcomes** 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 Professional Pharmaceutical Services and Health Outcomes**

Modality: **online**

Duration: **6 weeks**

Accreditation: **8 ECTS**





**Postgraduate Certificate**  
Professional Pharmaceutical  
Services and Health  
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- » Modality: **online**
- » Duration: **6 weeks**
- » Certificate: **TECH Global University**
- » Credits: **8 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**

# Postgraduate Certificate

## Professional Pharmaceutical Services and Health Outcomes

Endorsed by:

The background of the slide is a composite image. The top right portion shows a close-up of a person in a white lab coat writing on a clipboard with a pen. The bottom right portion shows a collection of fresh fruits, including several red and green apples, a whole orange, and several slices of orange. A large green diagonal shape is on the left side of the slide.

**tech** global  
university