



# Postgraduate Diploma

Professional Pharmaceutical Services Aimed at Evaluating Health Outcomes

» Modality: online

» Duration: 6 months

» Certificate: TECH Global University

» Credits: 16 ECTS

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/pharmacy/postgraduate-diploma/postgraduate-diploma-professional-pharmaceutical-services-aimed-evaluating-health-outcomes

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# tech 06 | Introduction

Research and increasingly promising results in various scientific disciplines are the fruit of a great effort on the part of professionals in different fields in order to achieve increasingly effective and beneficial procedures and strategies in line with a series of objectives. The same is true in the pharmaceutical field, which, in conjunction with medical practice, is responsible for designing treatments to alleviate, prevent and treat the effects of diseases. This is made more effective by continuously monitoring the effects on different patients, analyzing results and establishing increasingly accurate guidelines for initial objectives.

For this reason, and given the importance of these procedures, TECH and its team of experts in Community Pharmacy care have developed this comprehensive Postgraduate Diploma in Professional Pharmaceutical Services Aimed at Evaluating Health Outcomes, a multidisciplinary program at the forefront of science that painstakingly gathers the most innovative and exhaustive information on the subject. The syllabus includes 400 hours of theoretical, practical and supplementary content that students will be able to use to investigate the different areas of pharmaceutical care, as well as the best guidelines to monitor the effects of a given treatment applied to various diseases, implementing the most innovative strategies for pharmacological adherence and drug addiction treatment.

All this is delivered 100% online through a state-of-the-art Virtual Campus where you can find all the content, from the beginning of the program. This content will be presented in different formats: detailed videos, research articles, complementary readings, news, images, interactive resources, frequently asked questions, etc. In this way, students will be able to contextualize the topics, as well as exploring each section in a personalized way, based on their needs. It is, therefore, a unique opportunity to improve their skills with the guaranteed support of one of the best digital universities in the world.

This Postgraduate Diploma in Professional Pharmaceutical Services Aimed at Evaluating Health Outcomes contains the most complete and up-to-date scientific program on the market. Its most notable features are:

- The examination of practical cases presented by experts in Community Pharmacy
- Graphic, schematic, and practical contents which provide scientific and practical information on the disciplines that are essential for professional practice
- Practical exercises where self-assessment can be carried out to improve learning
- A special emphasis on innovative methodologies
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection work
- Content that is accessible from any fixed or portable device with an Internet connection



You will work intensively to improve your skills for the effective evaluation of health outcomes of medicines and medical devices"



You will have 400 hours of the best theoretical, practical and supplementary material to explore new developments on topics such as pharmaceutical home care or drug dependence treatment"

The teaching staff is made up of professionals from the sector who bring their experience to this program, in addition to renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide professionals with situated and contextual learning, i.e., a simulated environment that will provide immersive education designed to prepare them for real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

You will have access to a state-of-the-art Virtual Campus where you will find all the content, right from the beginning of this academic experience.







# tech 10 | Objectives



### **General Objectives**

- Gain up to date knowledge on the differentiation of the different vascular risk factors and their treatment
- Gain detailed knowledge of the guidelines to identify the professional pharmaceutical services that can be provided to patients by the Community Pharmacy in different health care settings



This is an academic experience enabling you to incorporate the most effective strategies for pharmacotherapeutic monitoring in your practice"







### **Specific Objectives**

#### Module 1. Pharmaceutical Care in Community Pharmacy

- Analyze the influence of pharmaceutical care in community pharmacy, its contributions and scope
- Differentiate between the different services provided in community pharmacy
- Review new pharmaceutical services in patient healthcare
- Differentiate the role of the community pharmacist in each of the different healthcare settings
- Identify PPS related to veterinary drugs to be provided in the community pharmacy

# Module 2. PPCS Aimed at Assessing and Improving Health Outcomes of Medicines and Medical Devices

- Acquire 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
- Acquire the necessary knowledge to implement a smoking cessation service
- Describe the syringe exchange program







# tech 14 | Course Management

### Management



#### Dr. Baixauli Fernández. Vicente Javier

- Community Pharmacist
- Pharmacist owner of a community pharmacy in Mislata (Valencia)
- Vice President of the Spanish Society of Family and Community Pharmacy (SEFAC)
- PhD in Pharmacy from the Cardenal Herrera University CEU
- Degree in Food Science and Technology from the E.T.S. of Agricultural Engineers of the Polytechnic University of Valencia
- University expert in pharmacotherapeutic monitoring from the University of Granada

### **Professors**

#### Dr. Abellán-García Sánchez, Fernando

- Director of Health Law Advisors
- Legal Advisor President of the Spanish Society of Clinical Family and Community Pharmacy (SEFAC)
- Lawyer and Doctor in Forensic Medicine at the Complutense University of Madrid

#### Mr. Acosta Gómez, Jaime Antonio

- Management of Healthcare Institutions from IESE (2013) and a specialist in Pharmaceutical Care from the University of Minnesota
- Member of the Technology Forum and consultant for FIP Community Pharmacy Projects
- Member of the Community Pharmacy Section of the FIP

#### Mr. Alba Palomo, José Enrique

- Master's Degree in Business Administration
- Community pharmacist in Malaga
- Degree in Pharmacy

### Ms. Andraca Iturbe, Leire

- Community Pharmacist in Barakaldo (Vizcaya)
- Degree in Pharmacy

#### Dr. Aparicio Cercós, Mª Angeles

- Community Pharmacist in Valencia, Spain
- PhD in Pharmacy

#### Mr. Barris Blundell, Damià

- Community Pharmacist in Benalmádena (Málaga)
- Degree in Pharmacy

#### Dr. Bellver Monzó, Otón

- PhD in Pharmacy
- Community Pharmacist in Valencia

#### Ms. Bellver Beltrán, Sara

- Community pharmacist in Onda (Castellón)
- Degree in Pharmacy

#### Mr. Boleda Relats, Xavier

- Community Pharmacist in Sant Pere de Ribes
- Degree in Pharmacy

#### Ms. Caelles Franch, Neus

- Community Pharmacist in Reus (Tarragona)
- Degree in Pharmacy

#### Mr. Cano Ivorra, Miguel

- Community Pharmacist in La Nucía (Alicante)
- Degree in Pharmacy

#### Mr. Casamayor Sebastián, Francisco A.

- Degree in Human Nutrition and Dietetics
- Community Pharmacist in Andorra (Teruel)
- Degree in Pharmacy

#### Ms. Celada Carrizo, Ana

- Community Pharmacist in Madrid
- Diploma in Human Nutrition and Dietetics
- Degree in Pharmacy

#### Dr. Climent Catalá, María Teresa

- PhD in Pharmacy
- Community Pharmacist in L'Olleria (Valencia)

#### Mr. Colomer Molina, Vicente

- Degree in Pharmacy
- Community Pharmacist in Bocairent (Valencia)

#### Dr. Eyaralar, María Teresa

- Community Pharmacist in Carbayin Alto (Asturias)
- Doctor of Pharmacy
- Community Pharmacist in Cangas de Morrazo, Pontevedra
- PhD in Pharmacy
- Master's Degree in Pharmaceutical Attention

### Dr. García Zaragozá, Eugenia

- Community Pharmacist in L'Alfás del Pi, Alicante
- PhD in Pharmacy

### Dr. Gastelurrutia Garralda, Miguel Angel

- Community Pharmacist in San Sebastián (Gipuzkoa)
- Doctor of Pharmacy

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#### Ms. Gil-Girbau, Montserrat

- Researcher at the "Institut de Recerca Sant Joan de Déu" (IRSJD), Barcelona
- Degree in Pharmacy

#### Mr. Gómez Martínez, Jesús Carlos

- Community Pharmacist in Barcelona
- Degree in Pharmacy

#### Ms. Gutiérrez Muñoz, Lucrecia

- Technical Director of El Boalo Pharmacy
- Graduate in Pharmacy from the UCM
- Postgraduate in Dermocosmetics applied to the Pharmacy Office

#### Ms. Huarte Royo, Joaquina

- Community Pharmacist in Pamplona (Navarra)
- Degree in Pharmacy

#### Ms. Iracheta Todó, Montse

- Community Pharmacist in Sta Coloma de Gramenet, Barcelona
- Master's Degree in Pharmaceutical Care and Health Care Pharmacy
- Degree in Pharmacy and Biology

### Mr. Jiménez Moreno, Pablo

- Community Pharmacist in Wiltshire (England)
- Degree in Pharmacy

#### Ms. Magro Horcajada, Mari Carmen

- Community Pharmacist in Madrid
- Degree in Pharmacy

#### Ms. Malo Manso, Izaskun

- Community Pharmacist in Málaga
- Degree in Pharmacy

#### Ms. Matarranz i Torres, Laia

- Community pharmacist in Sabadell
- Master's Degree in Digital Business, ESADE Business School
- Degree in Pharmacy

#### Ms. Mateos Lardiés, Ana Ma

- Community Pharmacist in Zaragoza
- Degree in Pharmacy and Biochemistry
- Degree in Human Nutrition and Dietetics

#### Dr. Martín Oliveros, Adela

- Doctor of Pharmacy
- Internship Professor at UFV. Pharmacy Licence-Holder Alcaide
- MBA (IE Business School)
- Graduate in Human Nutrition and Dietetics

#### Ms. Mendoza Barbero, Ana

- Community Pharmacist in Reus (Tarragona)
- Degree in Pharmacy

#### Ms. Mera Gallego, Inés

- Community Pharmacist in Maella, Zaragoza
- Degree in Pharmacy
- Graduate in Nutrition and Dietetics

#### Dr. Molinero Crespo, Ana

- Community Pharmacist in Fuenlabrada (Madrid)
- PhD in Pharmacy

#### Ms. Mora Luque, María José

- Community Pharmacist in Sevilla
- Degree in Pharmacy

#### Mr. Mora Pérez, Fernando

- Community Pharmacist in Mislata (Valencia)
- Degree in Pharmacy

#### Mr. Moranta Ribas, Francesc Xavier

- Community Pharmacist in Palma (Balearic Islands)
- Degree in Pharmacy

#### Ms. Moreno Fernández, Paqui

- Substitute Pharmacist at Ocata Pharmacy
- Master's Degree in Pharmaceutical Care from the University of Valencia
- President SEFAC Catalonia
- Graduate in Pharmacy from the University of Barcelona

#### Dr. Moreno Royo, Lucrecia

- Dean of the Faculty of Health Sciences, CEU
- Honorary Member of the Valencian Medical Institute
- Director of the DeCo Chair for the study of Cognitive Impairment

- Degree in Pharmacy
- PhD in Pharmacy
- British Medical Journal Case Reports Reviewer
- Member of the scientific committee of professional publications, community pharmacists, the young pharmacist pharmaceutical care Spain, pharmaceutical care- European journal of clinical pharmacy, Ars pharmaceuticals

#### Ms. Morillo Lisa, Rosa Ma

- Community Pharmacist at Alcalá de Ebro (Zaragoza)
- Degree in Pharmacy

#### Dr. Mud Castelló, Fernando

- Community Pharmacist in Ondara
- PhD in Pharmacy

#### Dr. Murillo Fernández, María Dolores

- Community Pharmacist in Sevilla
- PhD in Pharmacy

#### Dr. Perseguer Torregrosa, Zeneida

- Community Pharmacist in Petrer (Alicante)
- PhD in Pharmacy

#### Dr. Plaza Zamora, Francisco Javier

- Community Pharmacist in Javalí Viejo (Murcia)
- PhD in Pharmacy

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#### Dr. Prats Más, Rosa

- Community Pharmacist Denia (Alicante)
- PhD in Pharmacy

### Mr. Roig Sena, Juan Carlos

- Community Pharmacist in Quart (Valencia)
- Degree in Pharmacy

#### Ms. Rodríguez Sampedro, Ana

- Community Pharmacist
- Master's Degree in Nutrition and Dietetics
- Postgraduate Degree in Nutrition, Dietetics and Diet Therapy
- University Expert in Education and Promotion of Health
- Coordinator of the SEFAC nutrition and digestive group
- Degree in Pharmacy

### Ms. Ruiz González, E. Desirée

- Community Pharmacist in Valencia
- Degree in Pharmacy

### Dr. Salar Ibáñez, Luis

- PhD in Pharmacy
- Community Pharmacist in Valencia

### Ms. Sánchez Ávila, Adela

- Community Pharmacist in Salamanca
- Degree in Pharmacy





# Course Management | 19 tech

### Mr. Sanz Estalayo, Andrés

- Community Pharmacist in Valladolid
- Degree in Pharmacy

### Mr. Satué de Velasco, Eduardo

- Community Pharmacist in Maella (Zaragoza)
- Degree in pharmacy and philosophy

#### Mr. Tous i Trepat, Salvador

- Community Pharmacist in Barcelona
- Degree in Pharmacy

### Mr. Velasco Martínez, Javier

- Community Pharmacist in Alhaurín el Grande (Málaga) and Boots U.K. (United Kingdom)
- Degree in Pharmacy and Biochemistry

#### Dr. Velert Vila, Josefina

- Community Pharmacist in Alboraya (Valencia)
- PhD in Pharmacy

### Ms. Vergoñós, Ares

- Community Pharmacist in Barcelona
- Degree in Pharmacy Colomer Molina, Vicente
- Degree in Pharmacy
- Community Pharmacist in Bocairent (Valencia)





# tech 22 | Structure and Content

### Module 1. Pharmaceutical Care in Community Pharmacy

- 1.1. Introduction
  - 1.1.1. Pharmaceutical Care (PC)
  - 1.1.2. PPS in CP and Professional Pharmaceutical Care Services (PPCS)
- 1.2. PPS
  - 1.2.1. PPS in Community PC
  - 1.2.2. PPS in Sociosanitary CP: Community Pharmacy Service
  - 1.2.3. PPS in Home PC
- 1.3. Environment
  - 1.3.1. Situation in Different Countries
  - 1.3.2. Research in PPS

# **Module 2.** PPCS Aimed at Assessing and Improving Health Outcomes of Medicines and Medical Devices

- 2.1. Monitoring
  - 2.1.1. Pharmacotherapeutic Monitoring System
  - 2.1.2. Pharmacosurveillance System
- 2.2. Adherence to Pharmacological Treatment
  - 2.2.1. System for Aiding Therapeutic Adherence
- 2.3. Drug Dependency Treatment
  - 2.3.1. Benzodiazepine Cessation System
  - 2.3.2. Tobacco Cessation System
  - 2.3.3. Opiate Withdrawal Through Methadone Dispensation System







Opt for this university program, and embark on a journey that will lead you to excellent pharmaceutical practice thanks to the use of the most innovative and effective professional techniques"

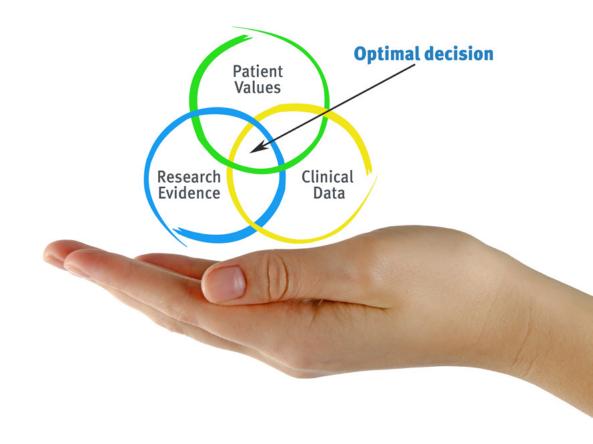


# tech 26 | Methodology

#### 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.



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.



### Methodology | 29 tech

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**

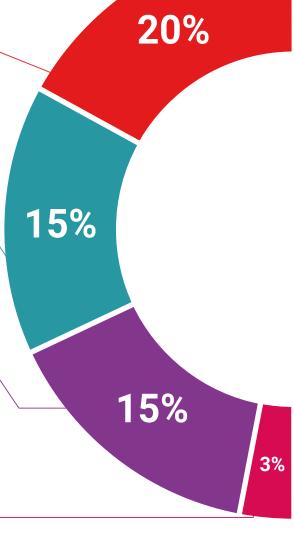
TECH introduces students to the latest techniques, to the latest educational advances, to the forefront of current pharmaceutical care procedures. All of this, first hand, and explained and detailed with precision to contribute to assimilation and a better understanding. And best of all, you can watch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

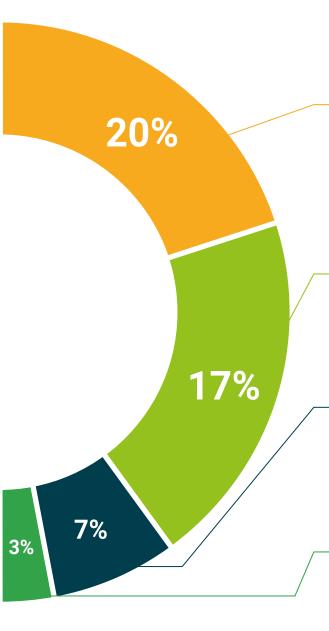
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".





#### **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.







# tech 34 | Certificate

This private qualification will allow you to obtain a **Postgraduate Diploma in Professional Pharmaceutical Services Aimed at Evaluating 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** private qualification 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 Diploma in Professional Pharmaceutical Services Aimed at Evaluating Health Outcomes

Modality: online

Duration: 6 months

Accreditation: 16 ECTS



Mr./Ms. \_\_\_\_\_, with identification document \_\_\_\_\_ has successfully passed and obtained the title of:

#### Postgraduate Diploma in Professional Pharmaceutical Services Aimed at Evaluating Health Outcomes

This is a private qualification of 480 hours of duration equivalent to 16 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024



<sup>\*</sup>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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# Postgraduate Diploma

Professional
Pharmaceutical Services
Aimed at Evaluating
Health Outcomes

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 16 ECTS
- » Schedule: at your own pace
- » Exams: online

