

# Postgraduate Certificate

## Pharmaceutical Nutritional Counseling in Special Situations





## Postgraduate Certificate Pharmaceutical Nutritional Counseling in Special Situations

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitute.com/pk/pharmacy/postgraduate-certificate/pharmaceutical-nutritional-counseling-special-situations](http://www.techtitute.com/pk/pharmacy/postgraduate-certificate/pharmaceutical-nutritional-counseling-special-situations)

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01

# Introduction

Nowadays, in most of the surrounding developed countries, community pharmacy is evolving towards the provision of pharmaceutical services, as the pharmaceutical profession has evolved in recent years towards a more patient-centered care profession.



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*This Postgraduate Certificate will generate a sense of security in the performance of clinical practice, which will help you grow personally and professionally”*



There is no doubt that this transformation is a consequence of Community Pharmacy adapting to a changing society, where public health has reached high levels of control and safety, facing new challenges for which the pharmacist, the health agent and the community pharmacy are resources that are close and accessible to the user.

One of these services is related to the field of Nutrition and to developing dietary recommendations. There is now ample evidence on the importance of adequate nutrition for the prevention and/or treatment of chronic diseases, such as cardiovascular diseases, type 2 diabetes mellitus and cancer, among others, and this, together with the increasing number of nutritional supplements available to users, makes it vitally important that community pharmacists have the necessary skills to dispense and advise on these products in an appropriate manner, provide good nutritional advice and know when to refer to the appropriate professional when necessary. Although traditionally in the bachelor's degree, now program in pharmacy, are taught several subjects related to bromatology, nutrition, food and food hygiene, it is necessary a more specific preparation that allows the advice to the user about the food products that are dispensed in the pharmacy, as well as their interaction with drugs.

For this reason, it is necessary to design and teach a scientific and professional theoretical and practical specialization in nutrition under the auspices of the university.

This Postgraduate Certificate works on various current concepts in nutrition, not only susceptible to be used in the daily work of a community pharmacist, but also prepares you to be able to implement a nutritional counseling service in your pharmacy and enables you to carry out nutritional campaigns in other areas of population education.

This **Postgraduate Certificate in Pharmaceutical Nutritional Counseling in Special Situations** contains the most complete and up-to-date scientific program on the market. Its most outstanding features are:

- ◆ Development of more than 75 clinical cases presented by courses in pharmaceutical nutritional counseling in special situations
- ◆ 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
- ◆ Diagnostic and therapeutic novelties on evaluation, diagnosis and intervention in Pharmaceutical Nutritional Counseling in Special Situations
- ◆ It contains practical exercises where the self-assessment process can be carried out to improve learning
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ◆ With special emphasis on evidence-based medicine and research methodologies in Pharmaceutical Nutritional Counseling in Special Situations
- ◆ All of this will be complemented by 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



*Take the opportunity to learn about the latest advances in Pharmaceutical Nutrition Counseling in Special Situations and improve your customer service”*

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*This Postgraduate Certificate may be the best investment you can make in the selection of a educational program for two reasons: in addition to upgrading your knowledge in Pharmaceutical Nutritional Counseling in Special Situations, you will obtain a Postgraduate Certificate diploma from TECH Technological University”*

*Improve your knowledge in Pharmaceutical Nutritional Counseling in Special Situations through this program, where you will find the best didactic material with real clinical cases. Find out about the latest advances in the speciality here, in order to be able to carry out quality clinical practice.*

Its teaching staff includes professionals working in the field of Pharmaceutical Nutritional Counseling in Special Situations, who contribute their work experience to this program, as well as renowned specialists belonging to leading scientific societies.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to prepare in real situations.

This program is designed around Problem-Based Learning, whereby the healthcare professional must try to solve the different professional practice situations that arise throughout the program. To do so, the professional will have the help of an innovative system of interactive videos made by recognized courses in the field of community pharmacy.



02

# Objectives

This Postgraduate Certificate in Pharmaceutical Nutritional Counseling in Special Situations is aimed at offering a complete, detailed and up-to-date vision of pharmaceutical nutritional counseling as a key element in customer care and follow-up.







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*This Postgraduate Certificate is designed to help you improve your knowledge in Pharmaceutical Nutritional Counseling in Special Situations, with the use of the latest educational technology, to contribute with quality and safety to the decision making process in the implementation of professional pharmaceutical services”*



## General Objectives

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- ♦ Have the necessary knowledge to provide professional pharmaceutical services in the field of nutrition
- ♦ Update the community pharmacist's nutrition knowledge
- ♦ Promote nutritional Counseling strategies in community pharmacy based on patient and user approach
- ♦ Advise patients and users on foods, supplements and nutritional supplements dispensed at community pharmacies
- ♦ Encourage the acquisition of skills, through a powerful audiovisual system, and the possibility of development through online simulation workshops and/or specific skills
- ♦ Encourage professional stimulation through continuous education and research



*Make the most of the opportunity and take the step to get up to date on the latest developments in nutritional counseling in community pharmacy”*







## Specific Objectives

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- ◆ Advise on different hygienic and dietary measures
- ◆ Acquire the knowledge to be able to give appropriate nutritional advice in special situations
- ◆ Review the different products available as adjuvants for these pathologies
- ◆ Understanding the effects of cancer and cancer therapy on nutrition
- ◆ Assessing nutritional care in cancer patients
- ◆ Incorporating the latest nutritional trends in chemoprevention
- ◆ Distinguishing between common allergens
- ◆ Differentiate between different food intolerances and allergies in order to advise patients suffering from them
- ◆ Recognising allergens in breastfeeding
- ◆ Analyse nutrition-related factors that influence the development and functioning of the immune system
- ◆ Understand how different food compounds modulate immune homeostasis and immune responses involved in the individual's defence against bacteria, viruses, allergens, toxins or malignant cells
- ◆ Analysis of the immunomodulatory characteristics of food components
- ◆ Assess the nutritional and immunological status of at-risk groups and the products that can be dispensed at the community pharmacy

03

# Course Management

The program's teaching staff includes leading specialists in Community Pharmacies, who bring the experience of their work to this training program. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.







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*Learn from leading professionals,  
the latest advances in the field of  
Pharmaceutical Nutritional Counseling  
in Special Situations”*



## Management



### Ms. Rodríguez Sampedro, Ana

- Community Pharmacist
- Coordinator of the SEFAC nutrition and digestive group
- Master's Degree in Nutrition and Dietetics
- Degree in Pharmacy
- Postgraduate Degree in Nutrition, Dietetics and Diet Therapy
- University ExperT in Education and Promotion of Health
- Co-author of "Guidelines and consensus documents Probiotics and prebiotics in community pharmacy SEFAC-SEPYP"



04

# Structure and Content

The structure of the contents has been designed by a team of professionals from the best research centers and universities in the country, aware of the current relevance of specialization in the safe use of medicines with a solid scientific basis based on evidence, and committed to quality teaching through new educational technologies.





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*This Postgraduate Certificate in Pharmaceutical Nutritional Counseling in Special Situations contains the most complete and up-to-date scientific program on the market”*

## Module 1. Nutritional Advice from the Community Pharmacy in Special Situations

- 1.1. Effects of Cancer on Nutrition
- 1.2. The Effect of Oncotherapy on Nutrition
- 1.3. Cancer and the Immune System
- 1.4. Nutritional Care of Oncology Patients
- 1.5. Current Trends The Role of Nutrition in Chemoprevention
- 1.6. Introduction. Adverse Reactions to Food: Advice and Prevention
- 1.7. Adverse Reactions to Food by the Non-immunological Mechanism: Food Intolerance and DAO Deficiency
- 1.8. Adverse Reactions to Food involving the Immunological Mechanism: Food Allergy, Celiac Disease and Chronic Histaminosis
- 1.9. Food Allergy in Infancy
- 1.10. Functioning of the Immune System Immunonutrition in Health and in Sickness
- 1.11. Micronutrients and the Immune System
- 1.12. Antioxidants and the Immune System
- 1.13. Fatty Acids and Immune System
- 1.14. Prebiotics and Probiotics and the Immune System
- 1.15. Diet, Physical Activity and the Immune System
- 1.16. Epigenetics
- 1.17. Nutrigenomics
- 1.18. Functional food







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*A unique, key, and decisive educational experience to boost your professional development”*

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.

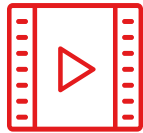
*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

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

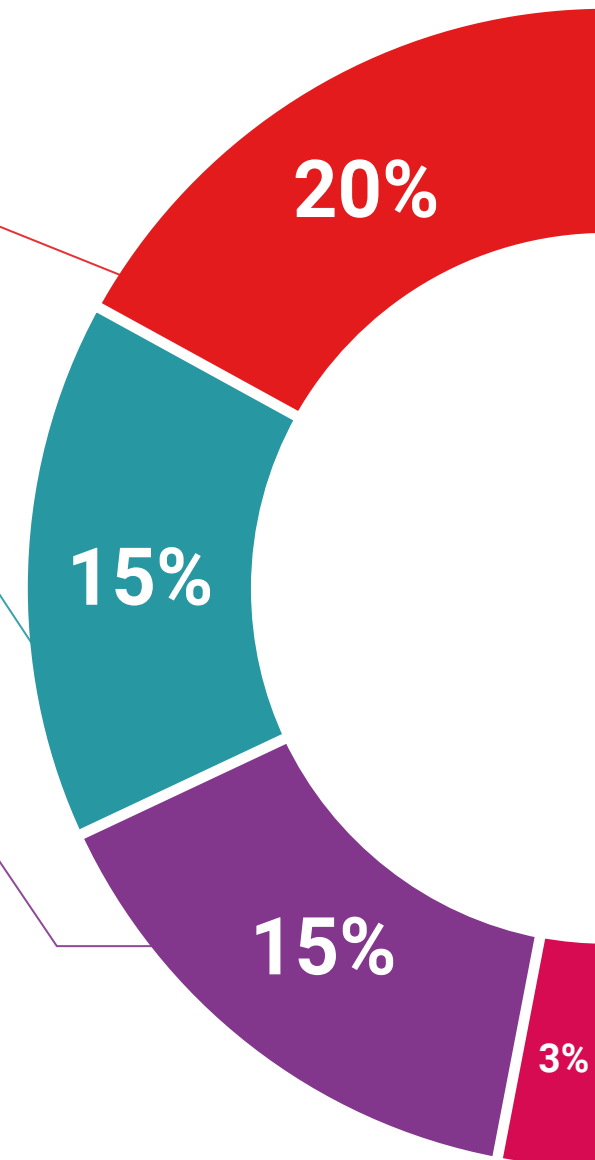
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

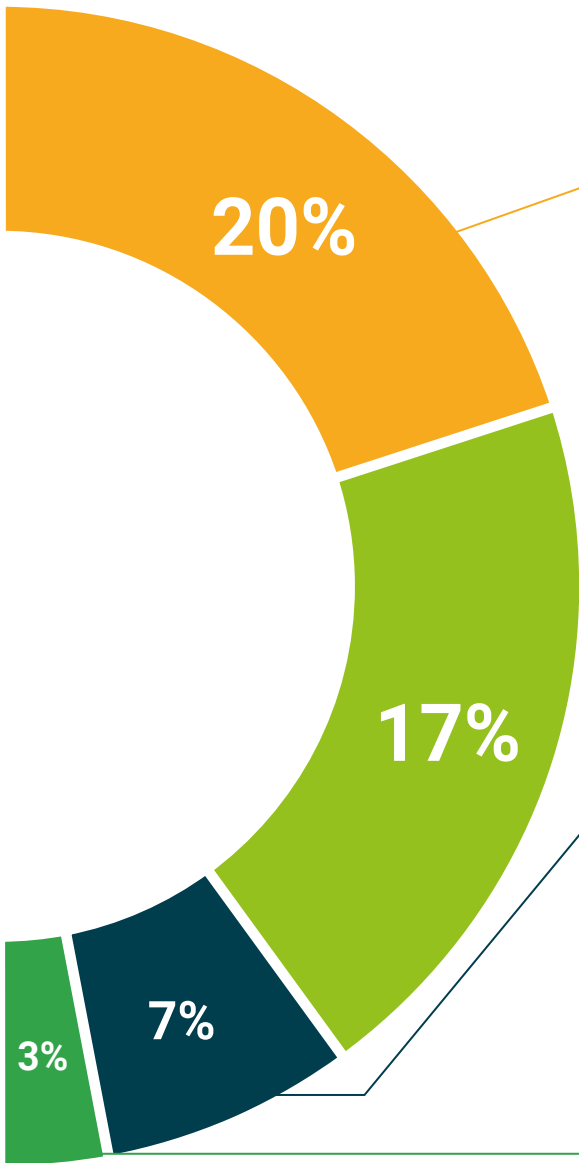
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



### 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 Nutritional Counseling in Special Situations guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.







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*Successfully complete this program  
and receive your university qualification  
without having to travel or fill  
out laborious paperwork”*

This **Postgraduate Certificate in Pharmaceutical Nutritional Counseling in Special Situations** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Pharmaceutical Nutritional Counseling in Special Situations**

Official No. of Hours: **150 h.**



\*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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



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- » Dedication: 16h/week
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