

# Postgraduate Certificate

## Nutrition in Digestive Tract Pathologies





## Postgraduate Certificate Nutrition in Digestive Tract Pathologies

- » 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/nutrition-digestive-tract-pathologies](http://www.techtitute.com/pk/pharmacy/postgraduate-certificate/nutrition-digestive-tract-pathologies)

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01

# Introduction

With this TECH University program, the student will learn the interrelation between diet and oral and dental disease, as well as most of the Digestive System Pathologies. You will have advanced didactic resources and the latest developments in the sector, with this complete program taught by professionals with extensive experience in clinical nutrition in pharmacy.



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*This Postgraduate Certificate contains the most complete and up-to-date scientific program on the market”*

Specialization in Nutrition in Pathologies of the Digestive System is essential for the pharmacist to act in the face of the pathologies of the population in matters of nutrition and health.

With this intensive program, you will learn how to detect early and evaluate quantitative and qualitative deviations of the nutritional balance due to excess or deficiency.

This program offers the student the possibility of deepening and updating knowledge, using the latest educational technology. It provides an overview of clinical nutrition while focusing on the most important and innovative aspects:

- ♦ Adult nutrition with an update on nutritional therapy in special or pathological situations
- ♦ Current trends in nutrition that emphasize the good use of the Mediterranean diet as a key tool for a healthy life

With this training you will have the opportunity to take a teaching program that brings together the most advanced and in-depth knowledge in the field, where a group of professors of high scientific rigor and extensive international experience provides you with the most complete and updated information on the latest advances and techniques in Nutrition in Digestive Tract Pathologies.

This **Postgraduate Certificate in Nutrition in Digestive Tract Pathologies** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ♦ Clinical cases presented by experts in nutrition. 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 nutrition performance for pharmacies
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ Special emphasis on test-based medicine and research methodologies in Clinical Nutrition
- ♦ 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



*This Postgraduate Certificate may be the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in Nutrition in Digestive Tract Pathologies, you will obtain a Postgraduate Certificate degree from the first educational institution in Spain, TECH"*



*Get trained through the Postgraduate Certificate in Nutrition in Digestive Tract Pathologies"*

Forming part of the teaching staff is a group of professionals in the world of clinical nutrition, who bring to this course their work experience, as well as a group of renowned specialists, recognised by esteemed scientific communities.

The 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 immersive training program to train in real situations.

This program is designed around Problem-Based Learning, whereby the Care Services must try to solve the different professional practice situations that arise during the course. For this reason, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of radiology with extensive teaching experience.

*This course allows training in simulated environments, which provide immersive learning programmed to train for real situations.*

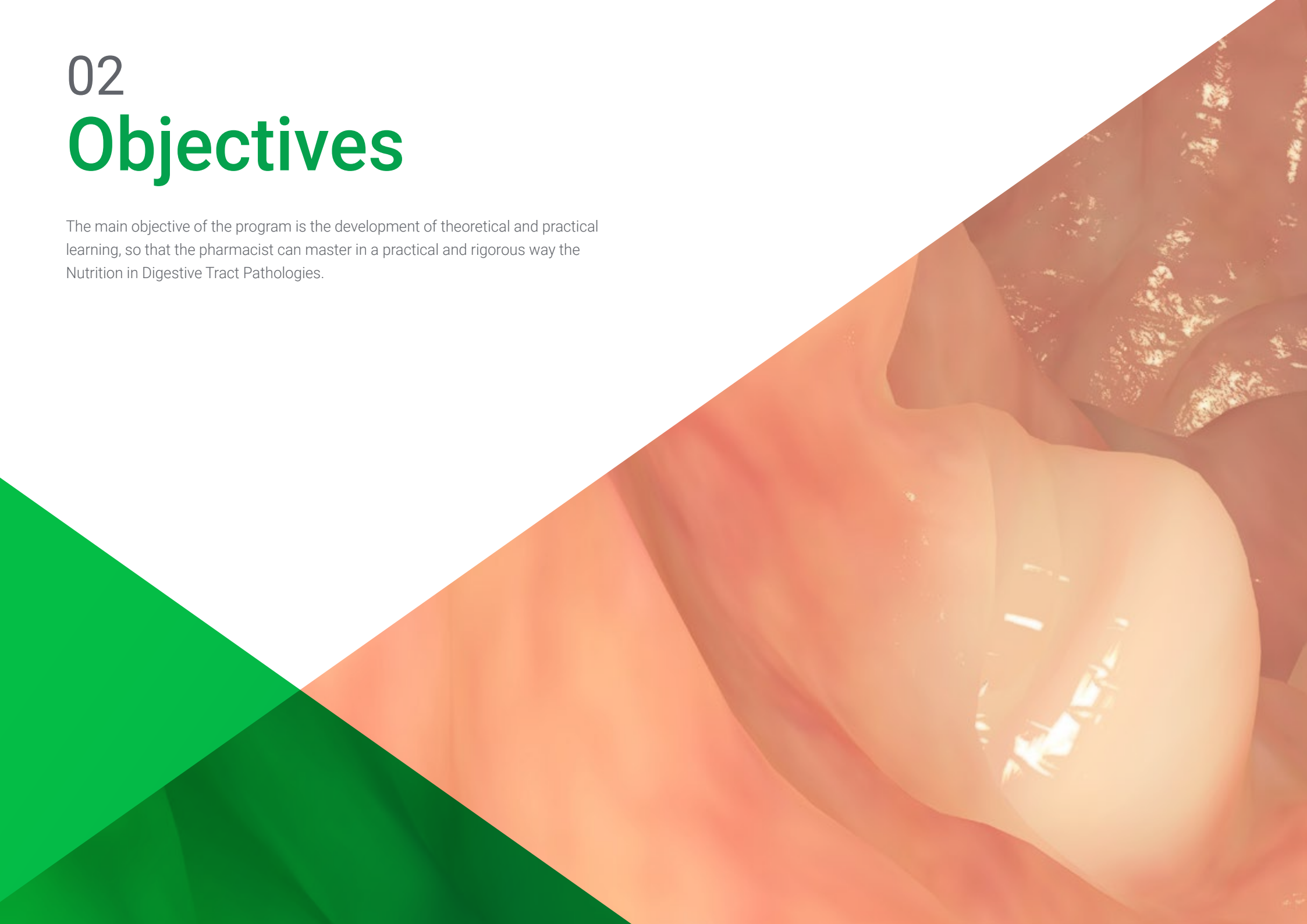
*It includes clinical cases to bring the program as close as possible to the reality of medical care.*



02

# Objectives

The main objective of the program is the development of theoretical and practical learning, so that the pharmacist can master in a practical and rigorous way the Nutrition in Digestive Tract Pathologies.





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*This refresher program will generate a sense of confidence in pharmacy practice, which will help you grow both personally and professionally”*



## General Objectives

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- Update the knowledge of the pharmacy professional on new trends in human nutrition, both in health and pathological situations through evidence-based pharmacy
- Promote work strategies based on the practical knowledge of the new trends in nutrition and its application to child and adult pathologies, where nutrition plays a fundamental role in treatment
- Encourage the acquisition of technical skills and abilities, through a powerful audiovisual system, and the possibility of development through online simulation workshops and/or specific training
- Encourage professional stimulus through continuing education and research
- Train the professional for research into patients with nutritional problems



*Make the most of the opportunity and take the step to get up to date on the latest developments in Nutrition in Digestive System Pathologies”*





## Specific Objectives

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- ◆ Analyze the different methods for assessing nutritional status
- ◆ Interpret and integrate anthropometric, clinical, biochemical, hematological, immunological, and pharmacological data in the patient's nutritional assessment and dietary-nutritional treatment
- ◆ Early detection and assessment of quantitative and qualitative deviations from the nutritional balance due to excess or deficiency
- ◆ Describe the composition and utilities of new foods
- ◆ Gain up-to-date knowledge on the dietetic treatment of oral cavity pathologies in adults paying special attention to sensory disorders and mucositis
- ◆ Study the interrelationship between diet and oral disease
- ◆ To identify nutritional factors involved in gastroesophageal reflux and ulcers
- ◆ Gain up-to-date knowledge of the management of patients with swallowing problems
- ◆ Understand the implications that nutrition can have in the treatment of liver diseases
- ◆ Describe the management of nutritional support in inflammatory diseases
- ◆ Reflect on the etiology of constipation and its relationship to diet in adults
- ◆ Determine the dietary guidelines for adults with chronic renal failure and on dialysis
- ◆ Gain up-to-date knowledge on the most common food allergies and intolerances
- ◆ Reflect on new techniques in digestive and intestinal surgery and their impact on patient nutrition
- ◆ Determine the management of the small intestine
- ◆ Know the dietary treatment for biliary and pancreatic pathologies
- ◆ Describe the main malabsorption syndromes and how they are treated
- ◆ Identify the signs and symptoms of the most prevalent colonic pathology and its nutritional treatment
- ◆ Determine the role of the intestinal microbiota and its implications in pathologies

03

# Course Management

This program includes highly regarded health professionals in the field of psychology in its teaching staff, who bring the experience of their work to this training.

In addition, renowned specialists, members of prestigious national and international scientific communities, are involved in designing and preparing the program.





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*Learn about the latest advances in Nutrition in Digestive System Pathologies from leading professionals”*

## Management



### Ms. Auni3n Lavarías, María Eugenia

- ◆ Pharmacist and Clinical Nutrition Expert
- ◆ "Author of the reference book in the field of Clinical Nutrition "Dietetic Management of Overweight in the Pharmacy Office". (Panamerican Medical Publishing House)
- ◆ Pharmacist with extensive experience in the public and private sector
- ◆ Pharmacist in Valencia Pharmacy
- ◆ Pharmacy Assistant in the British pharmacy and health and beauty retail chain Boots, UK
- ◆ Degree in Pharmacy and Food Science and Technology. University of Valencia
- ◆ Director of the University Course "Dermocosmetics in the Pharmacy Office"



04

# Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of training in daily pharmaceutical practice in nutrition, aware of the relevance of current events to be able to act before the athlete, with quality teaching through new educational technologies.







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*This Postgraduate Certificate in Nutrition in Digestive Tract Pathologies contains the most complete and up-to-date scientific program on the market”*

## Module 1. Assessment of Nutritional Status and Diet Practical Application

- 1.1. Energy Needs
  - 1.1.1. Methods of Assessing Energy Expenditure
- 1.2. Assessment of Nutritional Status
  - 1.2.1. Body Composition Analysis
  - 1.2.2. Clinical Diagnosis. Symptoms and Signs
  - 1.2.3. Biochemical, Hematological and Immunological Methods
- 1.3. Intake Assessment
  - 1.3.1. Methods for Analyzing Food and Nutrient Intake
  - 1.3.2. Direct and Indirect Methods
- 1.4. Update on Nutritional Requirements and Recommended Intakes
- 1.5. Nutrition in a Healthy Adult Objectives and Guidelines The Mediterranean diet
- 1.6. Nutrition in Menopause
- 1.7. Nutrition in the Elderly

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





## Module 2. Nutrition in Digestive Tract Pathologies

- 2.1. Nutrition in Oral Disorders
  - 2.1.1. Taste
  - 2.1.2. Salivation
  - 2.1.3. Mucositis
- 2.2. Nutrition in Esophageal and Gastric Disorders
  - 2.2.1. Gastroesophageal Reflux
  - 2.2.2. Gastric Ulcers
  - 2.2.3. Dysphagia
- 2.3. Nutrition in Post-Surgical Syndromes
  - 2.3.1. Gastric Surgery
  - 2.3.2. Small Intestine
- 2.4. Nutrition in Bowel Function Disorders
  - 2.4.1. Constipation
  - 2.4.2. Diarrhea
- 2.5. Nutrition in Malabsorption Syndromes
- 2.6. Nutrition in Colonic Pathology
  - 2.6.1. Irritable Bowel
  - 2.6.2. Diverticulosis
- 2.7. Nutrition in Inflammatory Bowel Disease (IBD)
- 2.8. Most Frequent Food Allergies and Intolerances with Gastrointestinal Effects
- 2.9. Nutrition in Liver Diseases
  - 2.9.1. Portal Hypertension
  - 2.9.2. Hepatic Encephalopathy
  - 2.9.3. Liver Transplant
- 2.10. Nutrition in Biliary Diseases. Biliary Lithiasis
- 2.11. Nutrition in Pancreatic Diseases
  - 2.11.1. Acute Pancreatitis
  - 2.11.2. Chronic Pancreatitis

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 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 Nutrition in Digestive Tract Pathologies 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 degree  
without travel or laborious paperwork”*

This **Postgraduate Certificate in Nutrition in Digestive Tract Pathologies** 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 Nutrition in Digestive Tract Pathologies**

Official N° of Hours: **175 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  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development language  
virtual classroom



**Postgraduate Certificate**  
Nutrition in Digestive  
Tract Pathologies

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

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