

# Postgraduate Certificate

## Nursing Care in Chronic Pathologies in Primary Care





## Postgraduate Certificate Nursing Care in Chronic Pathologies in Primary Care

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/nursing/postgraduate-certificate/nursing-care-chronic-pathologies-primary-care](http://www.techtute.com/us/nursing/postgraduate-certificate/nursing-care-chronic-pathologies-primary-care)

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# 01

# Introduction

With the increase in life expectancy, there has been a significant increase in the prevalence of chronic disease care in healthcare facilities. For this reason, nurses in Primary Care play a fundamental role in the care and management of these Chronic Pathologies in the elderly. Given this reality, TECH has developed this 100% online program, which offers the graduate an update in the assessment and care of people with Diabetes, COPD or who have suffered strokes. In this sense, this program gives the nursing professionals the possibility of accessing updated content at any time and place, from a digital device with an Internet connection.



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*With this 100% online Postgraduate Certificate you will get a complete update in Nursing Care in Chronic Pathologies in Primary Care”*

The improved quality of life in many parts of the world has favored the longevity of people. However, this increased life expectancy leads to an increase in the prevalence of chronic diseases. Thus, this context represents significant challenges for nursing professionals who must manage complex clinical cases with an elderly population on a daily basis.

For this reason, the nurses must be aware of the latest scientific evidence and the new complexities of these pathologies, in order to ensure quality care and improve health outcomes in citizens. Faced with this reality, TECH has developed this exclusive program aimed at nursing professionals with the objective of offering them a valuable opportunity to update their knowledge in the field of Nursing Care in Chronic Pathologies in the Primary Care setting.

Through this program, graduates will expand their competencies and skills in the assessment and care of people with musculoskeletal, gastrointestinal and oncological diseases. They will also deepen in the assessment of diseases such as Hepatitis, Tuberculosis and Meningitis.

As a result, the graduates are faced with a university program that provides them with the necessary flexibility to coordinate their daily activities with those of their day-to-day activities, not subject to attendance, nor to classes with fixed schedules. A unique academic option to study a university proposal that is at the forefront.

This **Postgraduate Certificate in Nursing Care in Chronic Pathologies in Primary Care** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ The development of case studies presented by nursing experts focused on primary care
- ◆ 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 the self-assessment process can be carried out 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



*Thanks to the best didactic material you will delve into chronic cardiovascular problems such as Heart Failure or Hypertension”*

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*In only 6 weeks you will explore in depth endocrinological problems such as Diabetes or improvements in Diabetic Foot care”*

*With this program you will learn the most advanced techniques to evaluate and address chronic respiratory diseases such as COPD.*

*Integrate into your work performance the latest evidence in the treatment of stroke, epilepsy and dementia.*

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 professionals with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professionals must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the students will be assisted by an innovative interactive video system created by renowned experts.



# 02 Objectives

The purpose of this program is to provide nursing professionals with the updated knowledge and skills necessary to perform with confidence in the field of Nursing Care in Chronic Pathologies in Primary Care. In this way, they will be able to offer comprehensive care to patients suffering from chronic diseases. This involves providing specialized care, ongoing monitoring and health education to help patients effectively manage and control their chronic conditions. This, thanks to a program that gives the clinicians the alternative of accessing multimedia resources such as detailed videos, without time restrictions.







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*Throughout this program you will identify the most innovative procedures for the management of bladder catheterization”*



## General Objectives

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- ◆ Develop knowledge about the aspects of care in Primary Care, both for individuals, families and groups and the interactions that occur between them
- ◆ Broaden the professional domains of Primary Care Nursing and acquire knowledge for greater visibility, prestige, and a higher level of job autonomy
- ◆ Actively participate in the community in terms of community health programs
- ◆ Keep abreast of advanced practice trends in primary care nursing
- ◆ Promote best practices, based on scientific evidence, in response to advances in treatment research and technology





## Specific Objectives

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- ◆ Perform nursing interventions related to the most prevalent chronic diseases, based on current evidence
- ◆ Prevent the deterioration of functional capacity, improve their quality of life and reduce progression to advanced chronic patients
- ◆ Address techniques and procedures in Cardiovascular and Respiratory, such as: vascular access (peripheral and central), ECG, airway patency, ankle arm, spirometry, EASI monitoring, electrical cardioversion, pacemakers/defibrillators, etc
- ◆ Promote the application of techniques and procedures in Digestive and Urology without forgetting Ostomy care
- ◆ Encourage the application of techniques and procedures in Neurology and sensory organs
- ◆ Participate in rehabilitation programs

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*TECH adapts to you and has created a program that is fully compatible with your professional responsibilities”*

# 03

# Course Management

TECH, through a rigorous selection process, has brought together an outstanding faculty with extensive experience in the field of Primary Care. Thus, the experts who are part of this program have extensive experience in protocols, tools and management strategies applied to the medical area. Therefore, nurses can be sure to receive an update of excellence from the hands of recognized professionals.





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*Benefit from a program developed by  
the best specialists in Primary Care”*

## Management



### Dr. Sánchez Castro, Juan José Augusto

- Head of Primary Care Service at A Estrada Health Center
- Specialist in Family and Community Medicine in the Galician Health Service
- Executive Director of Infomercados Financial Services
- Master's Degree in Business Valuation from Center for Financial Studies (CEF)
- Diploma in Health by the Ministry of Health and Consumption
- Degree in Medicine and Surgery from the University of Santiago de Compostela



## Professors

### **Ms. López García, Salomé**

- ◆ Nurse in the Catalan Health Service
- ◆ Graduate in Nursing from the University of Santiago de Compostela

### **Ms. Martín Ventoso, Carlota**

- ◆ Primary Care Nurse Specialist
- ◆ Nurse in Galician Health Service
- ◆ Graduate in Nursing from University School of Nursing of Lugo

### **Ms. Doval Cajaraville, Patricia**

- ◆ Work Nurse at Ibersys Seguridad y Salud S.L
- ◆ Master's Degree in Occupational Risk Prevention from the Oberta de Vitoria University
- ◆ Grade in Nursing from the University of Santiago de Compostela

### **Dr. Neira Varela, Noemi**

- ◆ Nurse in the Galician Health Service
- ◆ Master's Degree in Oncology Nursing in Barcelona
- ◆ Graduate in Nursing from Povisa University School

# 04

# Structure and Content

The content presented in this program addresses concepts related to Nursing Care in Chronic Pathologies in Primary Care. Thus, it includes the evaluation and care of patients with Arterial Hypertension, the use of techniques such as ECG, MAPA and AMPA and the management of electrical cardioversion. In addition, the graduates will be able to update in the techniques for the management of bladder catheterization and the abdominal paracentesis procedure. All this, in a program that will allow the nurses to have an easy access to the contents, since it can be done from a device with Internet connection.





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*With the Relearning method you will have the opportunity to consolidate the key concepts in a much easier way”*

## Module 1. Chronic Illness Care. Nursing Techniques and Procedures

- 1.1. Psychology in Primary Care
  - 1.1.1. Depression
  - 1.1.2. Anxiety
  - 1.1.3. Stress
  - 1.1.4. Sleep Disorders
- 1.2. Nursing assessment and care of people with chronic cardiovascular problems
  - 1.2.1. Heart Failure
  - 1.2.2. High Blood Pressure Standardized nursing processes in patients with hypertension
  - 1.2.3. Nursing procedures and techniques. ECG MAP and AMPA.INR. Ankle arm. Vascular and peripheral accesses EASI monitoring system
  - 1.2.4. Electrical Cardioversion. Pacemaker Defibrillators
- 1.3. Nursing assessment and care of people with endocrinological problems
  - 1.3.1. Diabetes Other problems. Self-management. Feeding in diabetic patients
  - 1.3.2. Hypoglycemic treatment and insulins
  - 1.3.3. Standardized nursing processes in patients with Diabetes
  - 1.3.4. Examination and care of the diabetic foot
  - 1.3.5. Retinography
- 1.4. Nursing assessment and care of people with chronic respiratory problems
  - 1.4.1. Acute Chronic Obstructive Pulmonary Disease (COPD). Standardized nursing processes in patients with hypertension
  - 1.4.2. Asthma
  - 1.4.3. Nursing Procedures: Pulse oximetry, spirometry, bronchodilator test, arterial blood gases, cooximetry, oxygen therapy and other techniques
  - 1.4.4. Handling of inhalers, aerosol therapy
  - 1.4.5. Respiratory Rehabilitation
- 1.5. Nursing assessment and care of people with chronic Neurological problems
  - 1.5.1. Stroke
  - 1.5.2. Epilepsy
  - 1.5.3. Cognitive impairment dementia
  - 1.5.4. Standardized nursing processes in patients with Dementia. Assessment of the family and social situation. Support to the main caregiver and family
- 1.6. Nursing assessment and care of people with renal system problems
  - 1.6.1. Main renal and urological problems. Nursing procedures and techniques
  - 1.6.2. Bladder catheterization: concept, indications and contraindications
  - 1.6.3. Management of bladder catheterization in the family and community setting
- 1.7. Nursing assessment and care of people with problems in the musculoskeletal system
  - 1.7.1. Main problems of the Locomotor System
  - 1.7.2. Bandages
  - 1.7.3. Immobilization
  - 1.7.4. Other Techniques
- 1.8. Nursing assessment and care of people with Gastrointestinal problems
  - 1.8.1. Main Digestive Problems
  - 1.8.2. Nursing procedures and techniques in the management of ostomies
  - 1.8.3. Digestive probes
  - 1.8.4. Enemas and irrigations
  - 1.8.5. Rectal touch
  - 1.8.6. Fecaloma Removal
  - 1.8.7. Abdominal paracentesis
- 1.9. Nursing assessment and care of people with oncological problems nursing procedures and techniques
  - 1.9.1. Antineoplastic drugs: classification and side effects
  - 1.9.2. Adjuvant drugs
  - 1.9.3. Handling of cytostatic drugs in primary care, reservoirs and infusers
  - 1.9.4. Emotional support to patients and relatives
- 1.10. Nursing assessment and care in patients with infectious disease processes
  - 1.10.1. Hepatitis
  - 1.10.2. Tuberculosis
  - 1.10.3. AIDS
  - 1.10.4. Meningitis
  - 1.10.5. Sexually transmitted diseases (STDs)
  - 1.10.6. Nursing procedures and techniques: Blood Culture Urine Culture Stool Culture Prevention and Control Measures



# 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 Nursing School we use the Case Method

In a given situation, what should a professional do? 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. Nurses learn better, faster, and more sustainably over time.

*With TECH, nurses can experience a learning methodology 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, in an attempt to recreate the real conditions in professional nursing 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. Nurses who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.
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 case studies with a 100% online learning system based on repetition combining a minimum of 8 different elements in each lesson, which is a real revolution compared to the simple study and analysis of cases.



*The nurse 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 we have trained more than 175,000 nurses with unprecedented success in all specialities regardless of practical workload. 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 really 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.



### Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, 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 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 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 suggesting that observing third-party experts can be useful.

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 Nursing Care in Nursing Care in Chronic Pathologies in Primary Care in Primary Care 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”*

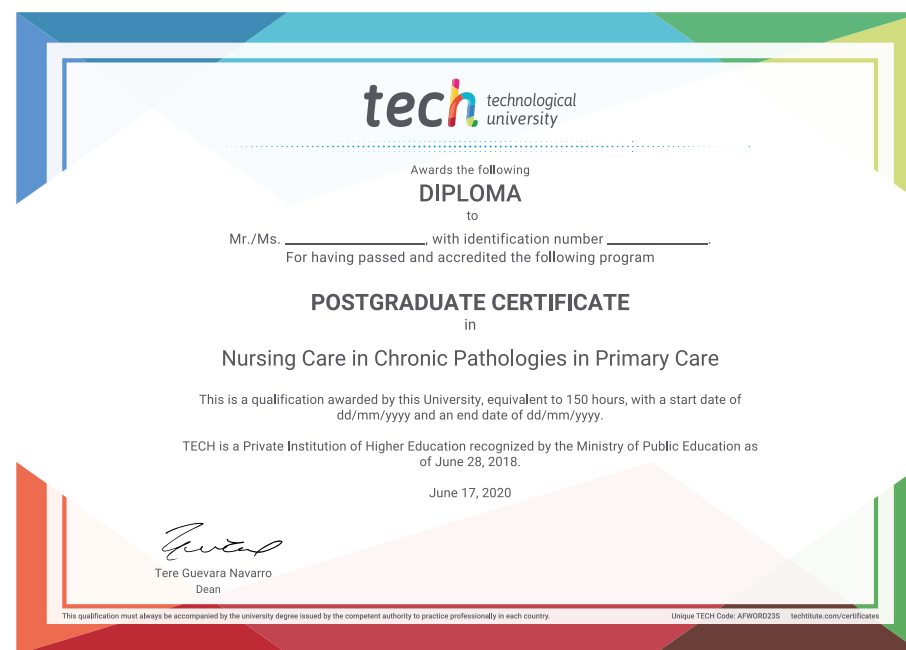
This **Postgraduate Certificate in Nursing Care in Chronic Pathologies in Primary Care** contains the most complete and up-to-date scientific program on the market.

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

The diploma 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 Nursing Care in Chronic Pathologies in Primary Care**

Official N° of Hours: **150 h.**



\*Apostille Convention. In the event that the student wishes to have their paper diploma 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



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