

Postgraduate Certificate

Diagnostic and Therapeutic Processes
in the Hospital Setting for Nursing





Postgraduate Certificate Diagnostic and Therapeutic Processes in the Hospital Setting for Nursing

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

Website: www.techtute.com/in/nursing/postgraduate-certificate/diagnostic-therapeutic-processes-hospital-setting-nursing

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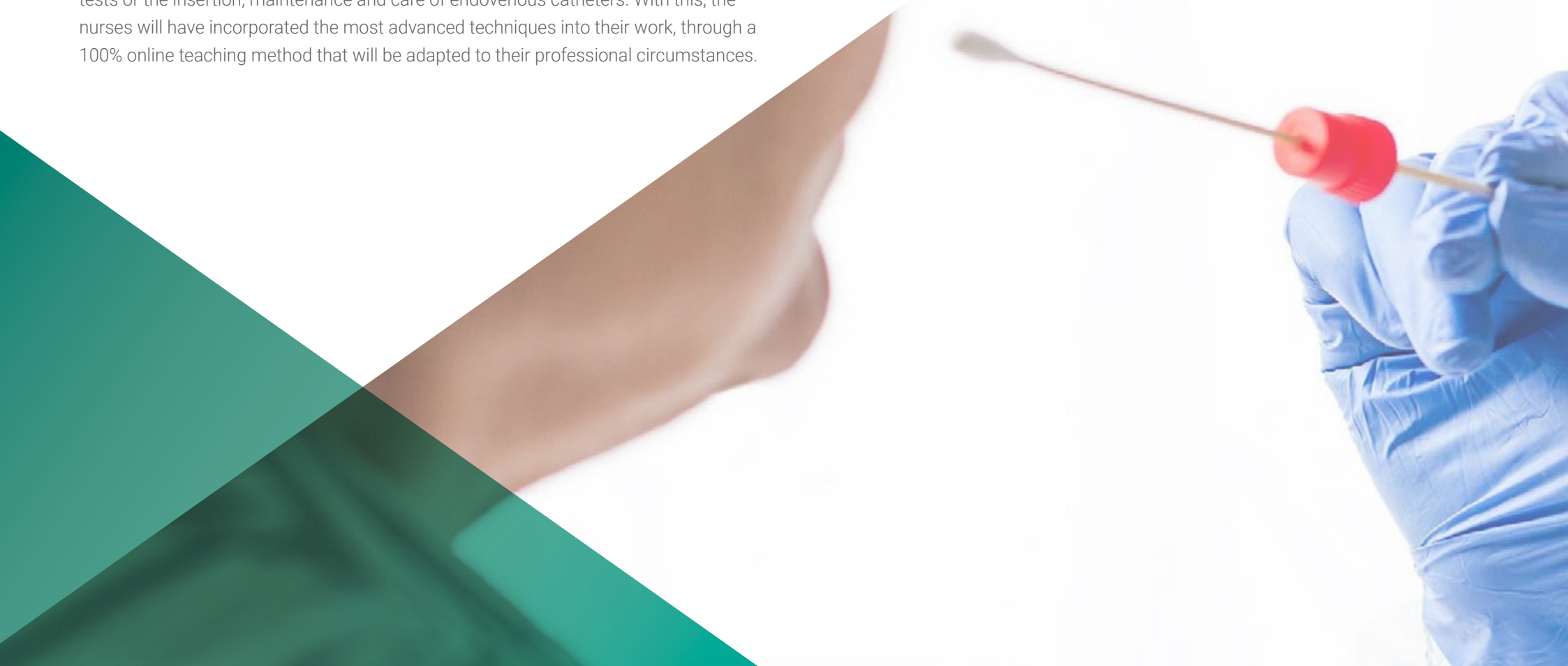
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01

Introduction

In recent years there has been a major transformation in the operation of various hospital processes. These changes have especially affected the work of nurses, who have seen how the protocols and techniques applied in diagnostics and therapeutic procedures have evolved. Thus, in order to be able to respond to the current health situation, it is necessary to have access to an updating program such as this one. This qualification offers the professional an update on issues such as circulatory diagnostic tests or the insertion, maintenance and care of endovenous catheters. With this, the nurses will have incorporated the most advanced techniques into their work, through a 100% online teaching method that will be adapted to their professional circumstances.



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Apply in your work the best techniques in Diagnostic and Therapeutic Processes, deepening in aspects such as intravenous perfusions or electrocardiographies”

Recent changes in the functioning of the different hospital processes have also affected the work of the nurse. The pandemic situation has accelerated numerous health transformations. Hospitals have been one of the healthcare centers where the greatest changes have taken place. And, with them, services such as nursing. Thus, this Postgraduate Certificate delves into the new techniques and procedures that the nurse must know in order to face the diagnostic and therapeutic processes.

Through a 100% online teaching system, taught by the best teachers, professionals will be able to update their knowledge in a comfortable and simple way. You will choose the time and place to study, and you will have at your disposal 24 hours a day all the materials and didactic resources of the program. Thus, from an eminently practical approach, the nurse will enjoy numerous activities, videos, interactive summaries and case studies, among many other materials.

With this learning method it will be easy to access the most advanced content, so that the professional can quickly get up to date on issues such as prevention of nosocomial infections, catheterization and drainage of the patient, oxygen therapy and aerosol therapy or care in the administration of drugs.

This **Postgraduate Certificate in Diagnostic and Therapeutic Processes in the Hospital Setting for Nursing** contains the most complete and up-to-date scientific program on the market. Its most notable features are:

- ♦ The development of case studies presented by experts in Hospital Nursing
- ♦ The graphic, schematic, and eminently 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



This program will allow you to adapt to the latest developments in Diagnostic and Therapeutic Processes in the Hospital Setting, integrating the latest procedures into your daily practice"

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Advance professionally by incorporating the latest advances in hemodynamic care or antineoplastic drug delivery into your work”

The program’s teaching staff includes professionals from sector who contribute their work experience to this training program, as well as renowned specialists from leading societies and prestigious universities.

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 immersive training programmed to train in real situations.

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

TECH's online methodology will allow you to study and work at the same time, without rigid schedules or interruptions in your professional work.

You will benefit from the best teachers, who will update you with numerous multimedia resources.



02 Objectives

Given the current healthcare situation, where the work of nurses has undergone major changes, this program is presented as a great option for updating. Thus, its main goal is to bring the professional closer to the latest techniques and procedures applied to the Diagnostic and Therapeutic Processes that take place in the hospital environment. In this way, the nurses will be able to update themselves, adapting quickly to the current healthcare transformations.



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TECH knows that your goal is to keep up to date with all the latest developments in the work of nurses in the hospital setting and, for this reason, it brings them to you in this program, in a convenient and adapted way”



General Objectives

- ♦ Master the professional aptitude to integrate and apply knowledge, skills and attitudes, developing good practices during their professional practice
- ♦ Control of the different hospital areas and units and their particularities in nursing care and attention
- ♦ Master nursing care as a basis for decision-making in patient care
- ♦ High level specialized training in hospitalized patient care, to maximize specific skills in the professional or disciplinary field



You will have the best content and the best teachers to achieve your professional goals"





Specific Objectives

- ◆ Promote the responsible and safe use of medication and/or supportive care and therapeutic support devices
- ◆ Develop improvements to the current or future workplace
- ◆ Maintain the confidentiality of patient information, privacy and intimacy during patient care
- ◆ Ensure confidentiality and professional secrecy in nursing care
- ◆ Delve into the safety and comfort measures necessary to prevent risks derived from health care
- ◆ Avoid adverse events related to therapeutic management
- ◆ Develop problem solving and decision-making skills in selected clinical processes
- ◆ Safely administer drugs and other therapies used in hospitalization units

03

Course Management

This Postgraduate Certificate has the best teaching staff specialized in the participation of nurses in the Diagnostic and Therapeutic Processes in the Hospital Setting. Thus, the professionals who take this program will have at their disposal the best teachers, who are active in different healthcare positions. For this reason, the student will be able to count on the best knowledge, since it will be transferred by teachers who are up to date with all the news of the nursing service in the hospital.





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The best teachers, now at your disposal thanks to this TECH program"

Management



Ms. Santano Magariño, Almudena

- ♦ Nursing Director. Puerta de Hierro Hospital. Madrid
- ♦ Assistant Director of Nursing. Gregorio Marañón Hospital. Madrid
- ♦ Head of Nursing Department. Department of Emergencies and Critical Care. Gregorio Marañón Hospital. Madrid
- ♦ Head of Department. Department of Emergencies and Critical Care. Gregorio Marañón General University Hospital, Madrid
- ♦ Associate Professor in Nursing. Complutense University of Madrid. Madrid
- ♦ Degree in Nursing. Complutense University of Madrid
- ♦ Diploma in Nursing. Salus Infirmorum University, Pontificia University of Salamanca.
- ♦ Degree in Social and Cultural Anthropology. San Antonio Catholic University Murcia
- ♦ Master's Degree in Health Humanization European University of Madrid
- ♦ Master's Degree in Health Management and Planning for Health Managers. European University of Madrid
- ♦ Master's Degree in Health Services Management and Administration. Center for Management Studies. Complutense University of Madrid
- ♦ Master's Degree in Health Care, Management and Care. Santiago de Compostela University La Coruña

Professors

Ms. Bodes Pardo, Rosa María

- ♦ Supervisor of the Hospitalization Functional Area, Puerta de Hierro Majadahonda University Hospital
- ♦ Clinical teaching collaborator at the Faculty of Medicine of the UAM and clinical practice tutor for nursing students
- ♦ Member of different hospital commissions and committees: Hemotherapy, Care, Perceived Quality and Dangerous Drugs

Ms. Álvarez Bartolomé, Blanca

- ♦ HUPH Psychiatry Acute Care Unit
- ♦ Diploma in Nursing at the Red Cross University School of Nursing
- ♦ Master's Degree in Pharmacotherapy for Nursing
- ♦ University expert in nursing processes and interventions for adult patients in common hospitalization situations
- ♦ Intravenous drug application course for nurses in emergencies



Ms. Peralta Castro, Patricia

- ♦ Assistance Nurse and Head of Quality and Patient Safety at the Dialysis Unit of the Puerta de Hierro University Hospital in Majadahonda.
- ♦ Degree in Nursing

Mr. Sánchez Herrero, Héctor

- ♦ Research Nurse Health Care Research Unit. Puerta de Hierro University Hospital.
- ♦ Coordinator of the Mentoring Group of the Spanish Society of Epidemiology.
- ♦ Vice-president of the Spanish Group of Young Epidemiologists.
- ♦ Degree in Nursing from the University of Salamanca
- ♦ Master's Degree in Public Health from the National School of Health, Carlos III Institute of Health

Mr. Ayala Gambín, José Antonio

- ♦ Nurse in the Psychiatry Service. Puerta de Hierro University Hospital (Madrid)

04

Structure and Content

This program has integrated all relevant and up-to-date knowledge in the Diagnostic and Therapeutic Processes of the Hospital Setting. And it has done so on the basis of 1 specialized module, further subdivided into 10 topics. In this module, the nurse will find the latest and most recent information on issues such as the main variables that affect hemodynamic monitoring, diagnostic tests of fluids and biological tissues or the administration of blood products and blood components.





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This program has it all: the most prestigious and experienced faculty, the best teaching system and the most complete and up-to-date content”

Module 1. Diagnostic and Therapeutic Processes in the Hospital Environment

- 1.1. Care for the Comfort and Safety of the Hospitalized Patient
 - 1.1.1. Hygiene Care
 - 1.1.1.1. Bedding, Cleanness and Personal Hygiene
 - 1.1.1.2. Promoting Comfort
- 1.2. Epidemiology Nosocomial Infections
 - 1.2.1. Asepsis and Infection Management
 - 1.2.2. General Hospital Isolation Measures
- 1.3. The Surgical Process
 - 1.3.1. Surgical Procedures and Care
- 1.4. Diagnostic Processes in the Hospital Environment
 - 1.4.1. Clinical Documentation and Informatics Tools
 - 1.4.1.1. Procedures, Registration and Archiving of Documentation
- 1.5. Hemodynamic Care
 - 1.5.1. Vital Signs
 - 1.5.2. Main Variables Affecting Monitoring
 - 1.5.3. Electrocardiography
- 1.6. Consciousness and Pain Care
 - 1.6.1. Neurological Assessment Scales
 - 1.6.2. Pain Treatment
- 1.7. Diagnostic tests
 - 1.7.1. Of Biological Fluids and Tissues
 - 1.7.2. Circulatory
 - 1.7.3. Radiological
 - 1.7.4. Functional Tests
 - 1.7.5. Endoscopic





- 1.8. Therapeutic Process
 - 1.8.1. Insertion, Maintenance and Care of Endovenous Catheters
 - 1.8.2. Medical and Nursing Prescriptions
 - 1.8.3. Drug Administration
 - 1.8.3.1. Drug Interactions
- 1.9. Intravenous Perfusions
 - 1.9.1. Intravenous Perfusions
 - 1.9.1.1. Dose Calculation and Handling of Infusion Devices
 - 1.9.2. Administration of Blood Derivatives and Blood Components
 - 1.9.3. Dangerous Drugs
 - 1.9.3.1. Administration of Antineoplastic Drugs
- 1.10. Other Therapeutic Processes in the Hospital Environment
 - 1.10.1. Probing and Draining of the Patient
 - 1.10.2. Oxygen Therapy and Aerosol Therapy
 - 1.10.3. Other Therapeutic Techniques: Paracentesis, Thoracentesis, Others
 - 1.10.4. Physiotherapy



There is no more complete program on the educational market than this one: enroll now and check it out"

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.

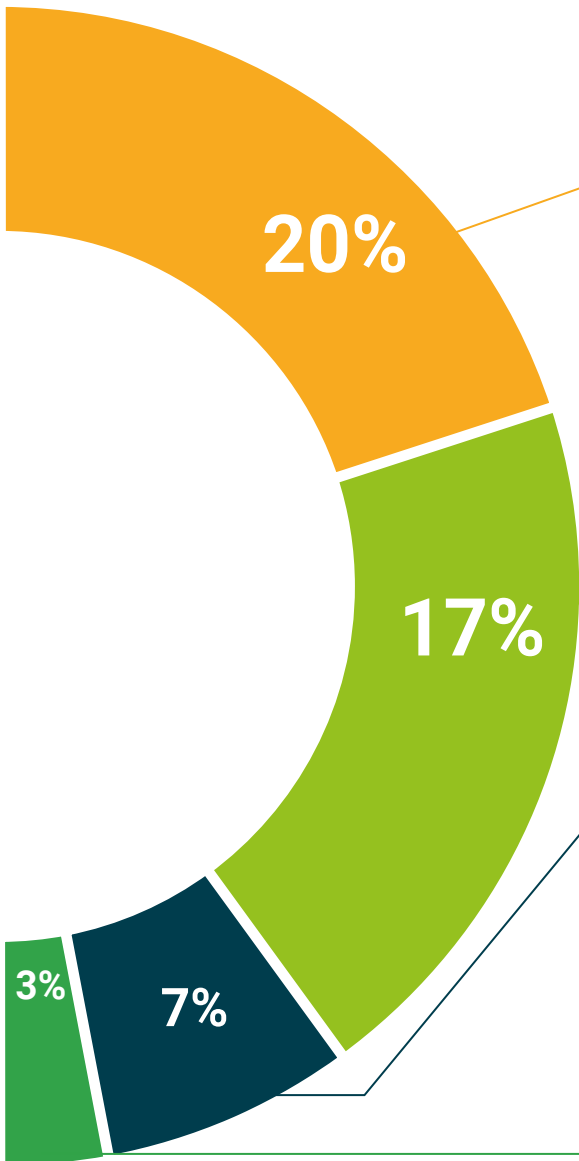
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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 Diagnostic and Therapeutic Processes in the Hospital Setting for Nursing guarantees, in addition to the most rigorous and up-to-date training, access to a certificate issued by TECH Technological University.





*Successfully complete this training program
and receive your university certificate
without travel or laborious paperwork"*

This **Postgraduate Certificate in Diagnostic and Therapeutic Processes in the Hospital Setting** 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 job markets, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Diagnostic and Therapeutic Processes in the Hospital Setting for Nursing**

Official N° of Hours: **150 hours**.



*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
classroom



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