

# Postgraduate Certificate Advanced Nursing Care of the Critically Ill Patient



## Postgraduate Certificate Advanced Nursing Care of the Critically Ill Patient

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

Website: [www.techtute.com/us/nursing/postgraduate-certificate/advanced-nursing-care-critically-ill-patient](http://www.techtute.com/us/nursing/postgraduate-certificate/advanced-nursing-care-critically-ill-patient)

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# 01

# Introduction

The figure of the nursing professional in Critical Care Units has acquired greater relevance due to his or her mastery of care methods and to the continuous updating of their competencies in this area. In this sense, leading actions and coordinating work with other professionals has made it possible to improve the care of critically ill patients and the improvement of protocols. A reality that has led TECH to develop this Postgraduate Certificate 100% online and with the best didactic material so that the graduate obtains the most complete update on the care and the particularities of the management of the ICU patient. All this, without classes with pre-established schedules and with a flexible methodology, compatible with the most demanding responsibilities.



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*Get an effective update in Advanced Nursing Care of the Critically Ill Patient in only 6 weeks and with the best didactic material"*

The evolution of care procedures in ICU areas has led to a greater emphasis on personalized care focused on the patient's needs and preferences. At the same time, mobilization techniques have been perfected to prevent complications or the incorporation of the most sophisticated ultrasound equipment for accurate diagnoses.

A scenario that involves, in turn, interdisciplinary work and coordination of professional teams. Faced with this reality, TECH has created this Postgraduate Certificate in Advanced Nursing Care of the Critically Ill Patient of 6 weeks duration and with the most innovative didactic content of the academic panorama.

It is a syllabus that presents a theoretical-practical approach and that provides a real response to the needs of nurses in this field. Thus, the graduate will delve into the considerations prior to performing mobilizations and the existing types, isolation measures and criteria, as well as the management of Post-ICU Syndrome, among other aspects.

All this, in addition, complemented by video summaries of each topic, videos in detail, clinical case studies and specialized readings with which you can further extend the rigorous information provided by this Postgraduate Certificate.

This is a unique opportunity for professionals to update their skills through a flexible university degree that is compatible with their daily personal activities. An avant-garde academic option, designed by and for professionals in the health sector.

This **Postgraduate Certificate in Advanced Nursing Care of the Critically Ill Patient** 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 experts in Intensive Care Nursing and Intensive Care Physicians
- ♦ 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
- ♦ 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



*Thanks to the Relearning system you will be able to consolidate the most relevant concepts in less time, without investing long hours of study"*



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*You will have at your fingertips the necessary tools to manage patients with post-ICU syndrome”*

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 professional 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 professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

*Update yourself with a teaching methodology perfectly compatible with your professional responsibilities.*

*You will deepen in isolation protocols or the management and compatibility of drugs from the comfort of your Tablet.*



# 02 Objectives

This Postgraduate Certificate has been designed to offer nurses a complete update on their competencies and skills to perform critical ICU patient care. In order to achieve this goal successfully, TECH provides pedagogical tools in which it has used the latest technology applied to the academic environment and, in addition, the graduate will have the opportunity to resolve any questions about the content of this Postgraduate Certificate thanks to the proximity of the faculty.





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*Have case studies that provide a theoretical and practical approach to the care of patients with wounds and pressure ulcers in the ICU”*



## General Objectives

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- ◆ Synthesizing data to inform the assessment of the critically ill patient
- ◆ Collecting data to inform the assessment of the critically ill patient
- ◆ Use data to inform the assessment of the critically ill patient
- ◆ Plan care collaboratively and in a patient-centered manner
- ◆ Incorporate the latest evidence-based practice in critical care nursing
- ◆ Act effectively in pressurized and demanding situations
- ◆ Contextualize each action to the situation at hand







## Specific Objectives

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- ◆ Modify priorities and adapt the work plan in light of the changes
- ◆ Encourage compliance with unit and hospital guidelines, as well as national regulations, regarding medication administration in the critical care setting
- ◆ Ensuring that medication errors are avoided
- ◆ Appropriately prioritize and provide patients with the necessary care in the Intensive Care Unit setting

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*Integrate the most notable advances in work planning in Intensive Care Units into your practice”*

03

# Course Management

TECH maintains a philosophy based on providing all its students with high quality degrees. For this reason, it carries out rigorous selection processes for each and every one of the teachers that make up its Postgraduate Certificates. In this sense, the professional will have at his disposal a syllabus developed by nurses and intensive doctors with extensive experience in patient care in Intensive Care Units and in addressing multiple clinical cases in leading hospitals.



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*Get an efficient update from real experts in Critical Care Nursing”*



## Management



### Ms. Fernández Lebrusán, Laura

- ◆ Nurse in the Medical ICU at the Puerta De Hierro Hospital
- ◆ ICU Nurse at the Hospital Universitario del Sureste
- ◆ Surgical ICU Nurse at Hospital General Universitario Gregorio Marañón
- ◆ ICU Nurse at the Hospital Quirón Salud
- ◆ Associate Teacher at the University Francisco of Vitoria
- ◆ Graduate in Nursing at the Francisco de Vitoria University
- ◆ Professional Master's Degree in Critical Care and Intrahospital Emergency Care
- ◆ HEMS Specialist (Helicopter Emergency Medical Services), University of Alicante
- ◆ Advanced Clinical Simulation Instructor by Francisco de Vitoria University



## Professors

### Ms. Juncos Gonzalo, Mónica

- ◆ Head of the Surgical ICU Nursing Unit at the Hospital General Universitario Gregorio Marañón, Madrid
- ◆ ICU Nurse at the Hospital General Universitario Gregorio Marañón, Madrid, Spain
- ◆ ICU Nurse at the Southeast Hospital
- ◆ Critical Care Nurse Pool at the Hospital General Universitario Gregorio Marañón
- ◆ Researcher in the project "Assessment of analgesia, sedation, restraints and delirium in patients admitted to adult Intensive Care Units in Spain"
- ◆ Researcher in the project "Adaptation and validation of frailty scales in critically ill patients admitted to Critical Care Units in Spain"
- ◆ Degree in Nursing from the Complutense University of Madrid
- ◆ Professional Master's Degree in Human Resources Management from the European University of Madrid
- ◆ Postgraduate Diploma in Nursing Management and Leadership by the Catholic University of Avila
- ◆ Postgraduate Diploma in Processes and Interventions by the Catholic University of Avila
- ◆ Member of: Spanish Society of Intensive Nursing and Coronary Units (SEIUC), Spanish Wound Society (SEHER), Spanish Society of Nursing Anesthesia, Resuscitation and Pain Therapy (A-SEEDAR)

**Ms. Gil Hernández, Cristina**

- ◆ Nurse at the Ramón y Cajal University Hospital
- ◆ Nurse in Primary Care Management
- ◆ Nurse at San Francisco de Asis University Hospital
- ◆ Nurse at the Móstoles University Hospital
- ◆ Researcher in the BPSO Working Group at Hospital Sureste
- ◆ Graduate in Nursing from the Complutense University of Madrid
- ◆ Expert in Out-of-hospital Emergencies and Emergencies, Universidad Complutense de Madrid Expert in School Health, Universidad Católica de Ávila

**Ms. Sánchez Hernández, Mónica**

- ◆ Post-Surgical Critical Care Unit (UCPQ) Nurse at the Hospital
- ◆ Postgraduate Diploma Puerta de Hierro University
- ◆ Responsible for Patient Safety and referral nurse in Chronic Wound Care
- ◆ Nurse in Primary Care substitutes in several Area V Centers
- ◆ Collaborating Nurse in the Center for Vascular Ulcer Cures (CCUV)
- ◆ Clinical teaching collaborator at the UAM
- ◆ Postgraduate Certificate in Nursing from the Escuela Universitaria de Enfermería Puerta de Hierro, a center attached to the Universidad Autónoma de Madrid
- ◆ Member of: Commission of Dermal Ulcers. Commission of Pressure Ulcers and Chronic Wounds







**Dr. Villén Villegas, Tomás**

- ◆ Assistant to Medical Coordination in Emergency Hospital Nurse Isabel Zandal
- ◆ Adjunct Emergency Specialist at Hospital Universitario La Paz
- ◆ Assistant Emergency Specialist at Ramón y Cajal University Hospital
- ◆ Adjunct Emergency Specialist at Hospital Infanta Sofia
- ◆ Postdoctoral Fellow at Harvard University
- ◆ Vice-president of the World Interactive Network Focus on Critical Ultrasound (WINFOCUS) Ibérica
- ◆ Member of: Working Group on Ultrasound of the European Society of Emergency Medicine (EuSEM), Society of Ultrasound in Medical Education (SUSME) Spanish Society of Emergency Medicine (SEMES)

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

# 04

## Structure and Content

The syllabus of this Postgraduate Certificate has been planned to bring together over 150 hours the most advanced and rigorous information on the care of the critically ill patient. To this end, the graduate has an exhaustive syllabus, complemented with numerous additional didactic material that will allow him/her to be up to date with the techniques for the assessment from Nursing of ultrasound, mobilization techniques, as well as the criteria to perform isolation.







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*Extend the information of this Postgraduate Certificate even further with the scientific literature provided by the specialized teaching team of this program”*

## Module 1. Advanced nursing care in the critically ill patient

- 1.1. Nursing care and planning in the day-to-day care of the critically ill patient
  - 1.1.1. Skin cleansing and hydration
  - 1.1.2. Early mobilization
  - 1.1.3. Considerations in the immobilized patient
- 1.2. Mobilization of the critically ill patient
  - 1.2.1. Preliminary Considerations
  - 1.2.2. Lateral decubitus/Left lateral decubitus position
  - 1.2.3. Supine position
  - 1.2.4. Prone Position
- 1.3. Isolation measures
  - 1.3.1. Isolation criteria
  - 1.3.2. Contact insulation
  - 1.3.3. Isolation by droplets
  - 1.3.4. Airborne insulation
  - 1.3.5. Reverse insulation
- 1.4. Wounds and PUs
  - 1.4.1. Pressure ulcers: prevention and devices
  - 1.4.2. Surgical wounds
  - 1.4.3. Moisture wounds
- 1.5. Collaboration with other professionals. Transversal skills
  - 1.5.1. Intraprofessional and interprofessional communication
  - 1.5.2. Leadership
  - 1.5.3. Interprofessional support and support
- 1.6. Post-ICU syndrome
  - 1.6.1. Physical sequelae
  - 1.6.2. Emotional and psychological sequelae
  - 1.6.3. Risk screening and prevention
- 1.7. Therapeutic Effort Limitation
  - 1.7.1. Criteria and considerations
  - 1.7.2. How to proceed
  - 1.7.3. Spiritual considerations







- 1.8. Ultrasound: assessment and nursing intervention
  - 1.8.1. Assessment and prevention
  - 1.8.2. Assessment and prevention
  - 1.8.3. A must in the cannulation of vascular accesses
- 1.9. Vascular Access
  - 1.9.1. ICU catheters
  - 1.9.2. Nursing Care
  - 1.9.3. Drug management and compatibility
- 1.10. Intrahospital transfers
  - 1.10.1. Before transfer
  - 1.10.2. During the transfer
  - 1.10.3. After the transfer

“ Enhance your intraprofessional and interprofessional communication skills through this high quality university proposal”

# 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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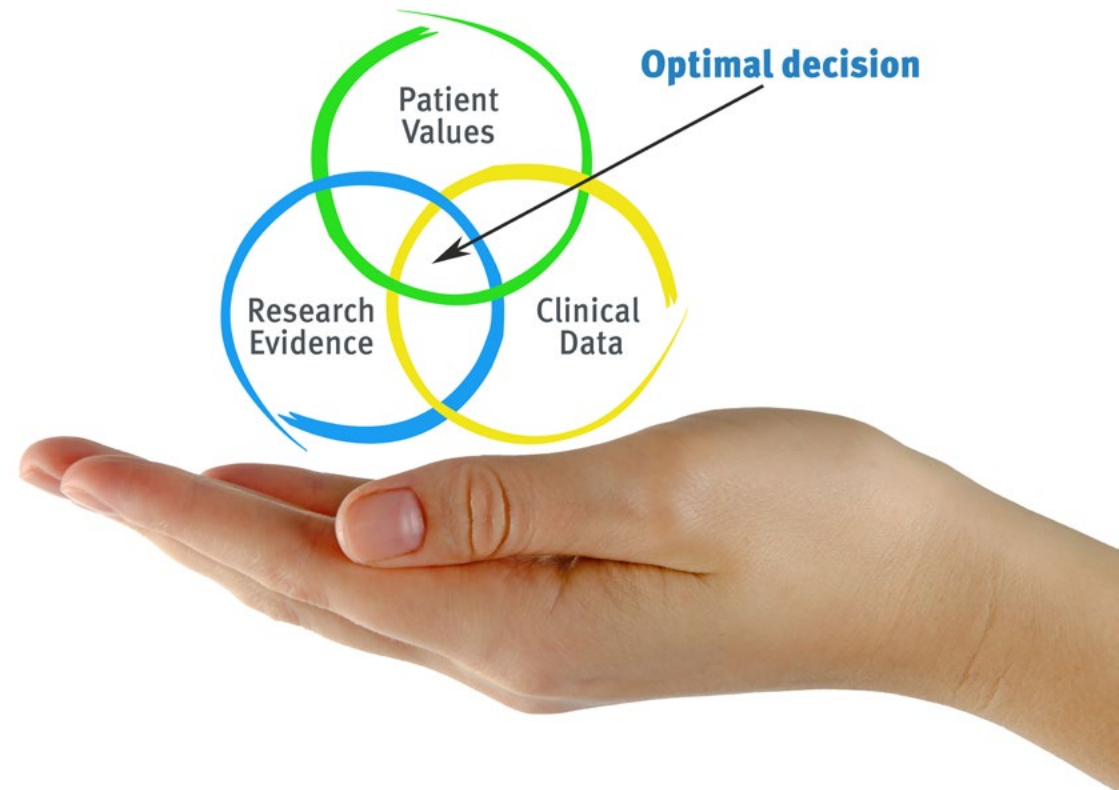
*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*



## 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 Advanced Nursing Care of the Critically Ill Patient guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.





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

This **Postgraduate Certificate in Advanced Nursing Care of the Critically Ill Patient** 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 Advanced Nursing Care of the Critically Ill Patient**

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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# Postgraduate Certificate

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