

# Postgraduate Certificate

Care Applied to the Different  
Life Stages of a Patient in the  
Emergency Department





## Postgraduate Certificate Care Applied to the Different Life Stages of a Patient in the Emergency Department

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

Website: [www.techtitute.com/in/nursing/postgraduate-certificate/care-applied-different-life-stages-patient-emergency-department](http://www.techtitute.com/in/nursing/postgraduate-certificate/care-applied-different-life-stages-patient-emergency-department)

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# 01

# Introduction

The situations that may arise in Accidents and Emergencies services are undoubtedly very diverse. In this sense, the nurse may encounter anything, from very simple cases to complex situations in which the patient is between life and death. Therefore, it is crucial that the professional is properly prepared to take on the challenges of each of the stages of patient care in the emergency department, depending on the time of life (children, pregnant women, geriatric patients). All of this as a means of providing proper primary care, as well as a diagnosis and the corresponding medical transfer.



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*Knowing how to administer the necessary care in each of the phases that the patient goes through according to his or her age is a vital competence in the nurse's curriculum”*

Hospital emergency care cannot be understood without an approach to the type of patients who come to the emergency department and their characteristics according to their age. In this sense, knowing the particularities of each of the stages of life is very important, as it will determine to a great extent the type of intervention and treatment that the patient will receive in the emergency department.

In this regard, this Postgraduate Certificate compiles the most relevant considerations to be considered when treating different vital stages of significant importance, such as pregnant patients, pediatric patients or patients in palliative care.

In the section dedicated to the pregnant woman, the anatomical and physiological changes inherent to pregnancy, the main obstetric emergencies and the most important considerations to be considered by the Nursing staff in the approach to the pregnant woman will be covered. At the same time, the algorithms of the delivery process are detailed, a situation of special relevance, both because it is unknown by most of the health personnel outside the field of obstetrics, and because it is a moment of great physical and emotional stress, both for the mother and for the newborn.

The Postgraduate Certificate will also address the main emergencies of pediatric patients, from the time immediately after birth until adulthood, exploring the different causes of morbidity and mortality at each stage and their consequent treatment, focusing on those that, due to their mortality or complex approach, require more urgent assistance.

Furthermore, this educational program includes a psycho-physical approach to other situations of special emotional impact, such as gender violence and terminal patients. In addition, the module takes a global approach, where physical and psychic therapy is addressed, giving relevance to the treatment at the emotional level with the patient and the family. Finally, the most current legislative framework in which these situations are framed will be discussed.

All this in a 100% online program that allows the professional to study where and when they want, only requiring a device with Internet connection. This way, you will not have to neglect your professional and personal obligations to continue learning to become a top-notch nurse.

This **Postgraduate Certificate in Care Applied to the Different Life Stages of a Patient in the Emergency Department** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The graphic, schematic and practical contents of the course are designed to provide all the essential information required for professional practice
- ♦ Exercises where the self-assessment process can be carried out to improve learning
- ♦ An algorithm-based interactive learning system, designed for decision-making for patients with nutritional problems
- ♦ 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



*Improve your knowledge in a comprehensive approach to the patient in Emergency Nursing, having full knowledge of the characteristics of the age or vital stage that the patient is going through”*

“ *This Postgraduate Certificate is the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge on care applied to the different life stages of a patient in the emergency department, you will obtain a qualification from one of the most reputable educational institutions: TECH Technological University*”

The program's teaching staff includes professionals from the fields of Medicine and Nursing, who bring their work experience to this education, as well as renowned specialists from prestigious reference societies and 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 professional will be assisted by an innovative interactive video system developed by renowned and experienced experts in the field of nursing.

*This Postgraduate Certificate allows students to exercise through simulated environments, which provide immersive learning programmed to prepare students through real situations.*

*This 100% online Postgraduate Certificate will allow you to balance your studies with your professional work while increasing your knowledge in this field.*



# 02

# Objectives

The main objective of the program is the development of theoretical and practical learning, so that the professional achieves in a practical and rigorous way the study of Accidents, Advanced Emergencies and Disasters in the daily practice of their profession. In this sense, the Postgraduate Certificate in Care Applied to the Different Life Stages of a Patient in the Emergency Department responds to the continuous demand of professionals for quality study, which serves as a means to use the different types of approaches and treatments as a preventive or therapeutic tool in maintaining the health of their patients in the different stages of their lives.





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*This refresher program will provide you with a sense of confidence in your daily work, which will help you grow both personally and professionally”*



## General Objectives

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- ◆ Acquire knowledge on the main anatomical and physiological changes of the different vital stages (pregnant woman, pediatric patient and patient in the last days of life) and, consequently, review the most relevant considerations to be considered at the time of their assessment, diagnosis and treatment
- ◆ Develop strategies for communicating bad news and approaching patients in complex life situations, such as patients subjected to abuse or palliative patients
- ◆ Recognize the main needs of the patient in their final days, and delve into the adequate management of pain



*Immerse yourself in the study of this comprehensive Postgraduate Certificate and improve your skills as a nurse”*





## Specific Objectives

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- ◆ Delve into the knowledge of the main anatomical and physiological changes that occur in the pregnant patient, as well as the assessment, diagnosis and treatment of the most prevalent obstetric emergencies and / or complex approach
- ◆ Acquire knowledge about the labor process, identifying the algorithms of it and the care associated to each stage, with the aim of identifying the care to be carried out during the dilatation periods, expulsion and delivery periods, as well as the immediate care that the newborn requires
- ◆ Know the main anatomy and physiological characteristics of the pediatric patient, which characterize its special approach and treatment, delving into the most urgent pathologies
- ◆ Delve into the therapeutics of significant life stages, such as dose management and the identification of incompatibilities and/or contraindications
- ◆ Recognize the main items to deal with patients of special vulnerability, such as those subjected to gender violence and/or abuse
- ◆ Delve into the necessary knowledge to holistically approach the patient in the last days of life, knowing the importance of the family and the psychosocial aspect  
Early recognition of incipient signs of discomfort and pain, knowledge of pain management and the main analgesic scales
- ◆ Acquire communication tools for the transmission of bad news and education for the support during the mourning process

# 03

# Course Management

The program's teaching staff includes leading specialists in Nursing of Accidents and Emergencies and other related areas, who bring their years of work experience to this educational program. In addition, other specialists of recognized prestige participate in its design and elaboration, completing the program in an interdisciplinary manner. All of this, with the aim of providing nurses with the most complete information and contents of the educational panorama so that they can practice their profession with greater guarantees of success.





“

*Learn from leading professionals, the latest advances in the field of nursing practice in each and every one of the vital phases that an emergency patient goes through”*

## Management



### Ms. Souto Novas, Ana María

- ♦ Nurse Emergency Supervisor at La Paz University Hospital
- ♦ Admission Nurse at La Paz University Hospital
- ♦ Master's Degree in Integration and Critical Problem Solving in Nursing from the University of Alcalá
- ♦ Postgraduate Diploma in Management and Nursing Services Leadership given by the School of Health Sciences
- ♦ Postgraduate Diploma in Accidents and Emergencies from the Complutense University of Madrid
- ♦ Postgraduate Certificate in Nursing from the Pontificia University of Salamanca



### D. Ruiz López, Daniel

- ♦ Nurse specialized in Nursing Services Direction and Management
- ♦ Nursing Supervisor in the Adult Emergency Department of La Paz University Hospital of Madrid
- ♦ Diploma in Nursing (D.U.E.), University School of Nursing, Cordoba
- ♦ Master's Degree in Nursing Management. Cardenal Herrera University
- ♦ University Expert in Nursing in the Hospital Emergency Department. Cardenal Herrera University
- ♦ University Expert in Management Skills for Nursing. Cardenal Herrera University
- ♦ University Expert in Quality Management for Nursing. Cardenal Herrera University
- ♦ University Expert in Management and Services Supervision for Nursing. Cardenal Herrera University
- ♦ University Expert in Direction and Management of Health Services for Nurses. Cardenal Herrera University
- ♦ Instructor of Instructors and Auditors in Triage Manchester. Spanish Triage Group
- ♦ Manchester Triage System Course. Spanish Triage Group



## Professors

### **Dr. Estebaranz Santamaría, Cristina**

- ◆ Nurse and Researcher
- ◆ Nurse at the Adult Emergency Department of La Paz University Hospital
- ◆ Associate Professor of Nurses, Autonomous University of Madrid
- ◆ Main advisor for Nursing Clinical internships at the Autonomous University of Madrid
- ◆ PhD in Medicine and Surgery from the Autonomous University of Madrid
- ◆ Graduate in Nursing from the Autonomous University of Madrid
- ◆ Master's Degree in Accidents, Emergencies and Critical Nursing Care given by the European University of Madrid

### **D. Galbis Palma, Alejandro**

- ◆ Nurse at the Adult Emergency Department of La Paz University Hospital
- ◆ Postgraduate Certificate in Nursing
- ◆ Postgraduate Certificate in Nursing Application of Techniques in Accident and Emergency Care
- ◆ Postgraduate Certificate in Nursing Interventions in Disaster Situations
- ◆ Postgraduate Certificate in Instrumentalized Life Support
- ◆ Postgraduate Certificate in Intravenous Therapy and PICC Implantation

**D. García Garrido, Miguel Ángel**

- ◆ Nurse of the Adult Emergency Department of La Paz University Hospital
- ◆ University Diploma in Nursing
- ◆ Master's Degree in Health Emergency and Disasters given by the University of León
- ◆ Master's Degree in Critical Illness and Emergencies given by the University of Barcelona
- ◆ Master's Degree in Clinical Research given by the University of Barcelona
- ◆ Postgraduate Certificate in Advanced Life Support
- ◆ Postgraduate Certificate in Trauma Advanced Life Support
- ◆ Postgraduate Certificate in Basic and Advanced CPR in Pediatrics

**Ms. Gómez Lage, Laura**

- ◆ Nurse at the Adult Emergency Department of La Paz University Hospital
- ◆ Degree in Nursing from the Complutense University of Madrid
- ◆ Expert in Nursing Processes and Interventions for Pediatric Patients in Life-Threatening Situations by FUDEN and the Catholic University of Avila
- ◆ Expert in Emotional Development and Parenting by FUDEN and Catholic University of Avila
- ◆ Basics of Accident and Emergency Nursing by FMAE
- ◆ Emergencies in the Institutionalized Patient Care by the Puerta de Hierro Majadahonda University Hospital
- ◆ Pharmacology Residency in Accident and Emergency Care by FUDEN
- ◆ Nursing Care of the Healthy Newborn by FMAE
- ◆ Frequently Used Drugs by Diffusion Nursing Advances







**Ms. Peinado Quesada, María Angustias**

- ◆ Nurse at the Adult Emergency Department of La Paz University Hospital
- ◆ Nurse in the Intensive Care Unit of St Helier Hospital (London)
- ◆ Nurse in the Heart Unit of La Paz University Hospital
- ◆ Nurse in the Intensive Care Unit of La Paz University Hospital
- ◆ Full Professor at the Autonomous University of Madrid
- ◆ Diploma in Nursing from the Autonomous University of Madrid.
- ◆ Master's Degree in Assessment and Management of the Critically Ill Patient by St. George's University (London)
- ◆ Expert in Advanced Mechanical Ventilation for Nurses from ST George's University
- ◆ Expert in Accident Emergency and Critical Care Nursing Care by FUDEN
- ◆ American Heart Association BLS/AVS Instructor

04

# Structure and Content

The structure of the contents has been designed by a team of professionals from the best hospitals and universities of the national territory, aware of the relevance of current education in order to prevent, detect and intervene in those pathologies with which the patient may come to the emergency department and that require specific attention. All this, with the aim of educating nurses who are much more competent and prepared to care for patients with different symptomatology in accident and emergency departments both in and out-of-hospital.



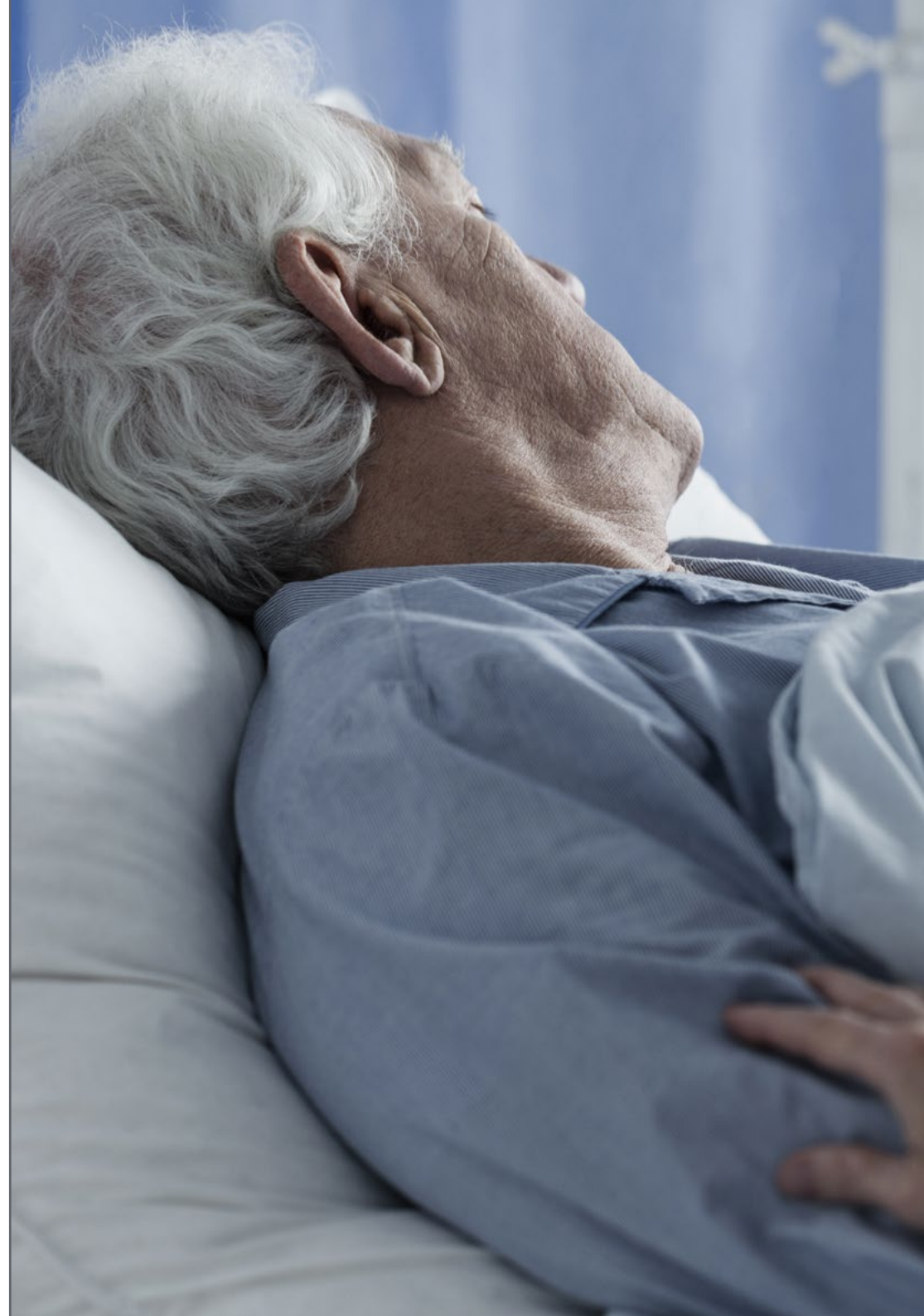


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## Module 1. Care Applied to the Different Life Stages of a Patient in the Emergency Department

- 1.1. The Anatomical and Physiological Changes in the Pregnant Woman
- 1.2. Major Pregnancy Urgent Pathologies
- 1.3. Delivery Assistance and Immediate Care
- 1.4. Anatomical and Physiological Characteristics of the Pediatric Patient
- 1.5. Major Pediatric Urgent Pathologies
- 1.6. Special Considerations in Therapeutics and Pharmacology
- 1.7. Gender Violence and Abuse
- 1.8. Situation of the Last Days Palliative Sedation and Euthanasia
- 1.9. Communication with the Family and Coping with Mourning





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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.





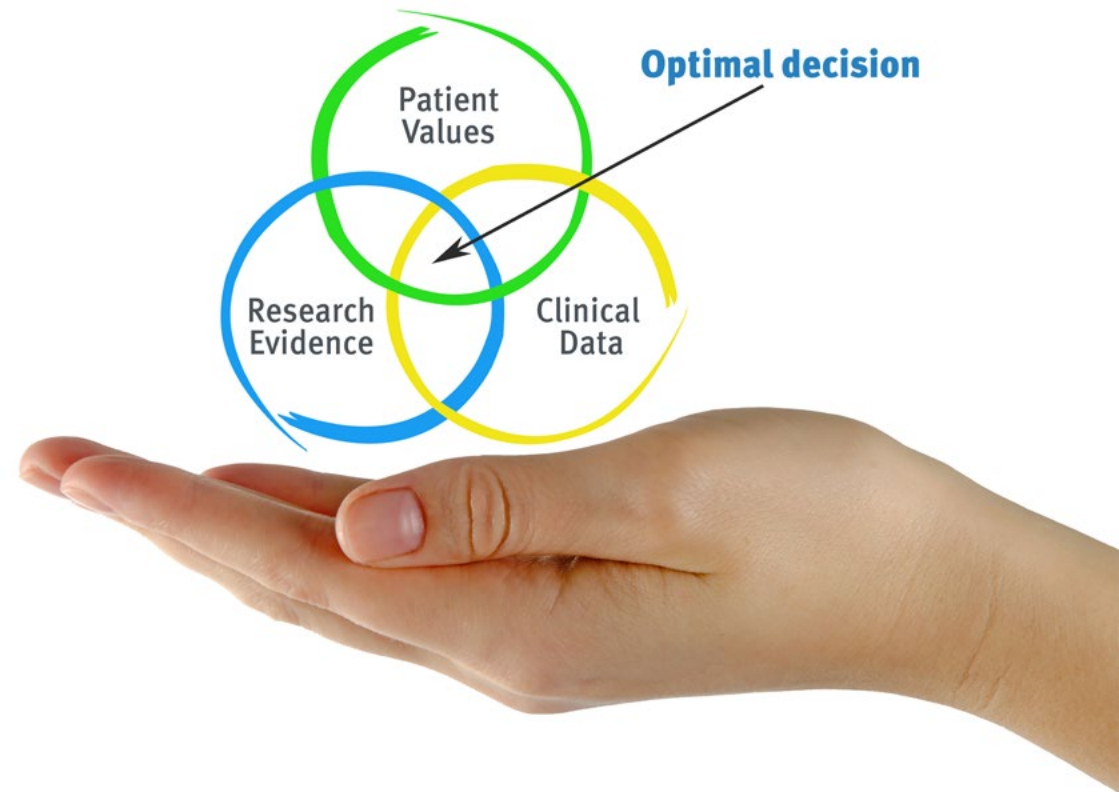
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## 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 Care Applied to the Different Life Stages of a Patient in the Emergency Department 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 Care Applied to the Different Life Stages of a Patient in the Emergency Department** 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 Care Applied to the Different Life Stages of a Patient in the Emergency Department**

Official N° 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.





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