

# Postgraduate Certificate Advanced Approach in Trauma Emergencies





## Postgraduate Certificate Advanced Approach in Trauma Emergencies

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

Website: [www.techtute.com/us/nursing/postgraduate-certificate/advanced-approach-trauma-emergencies](http://www.techtute.com/us/nursing/postgraduate-certificate/advanced-approach-trauma-emergencies)

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# 01

# Introduction

Accidents, and the consequences they have on people's health, are the order of the day. Consequently, hospital and out-of-hospital emergency departments are flooded with patients with injuries and trauma of varying levels of severity on a daily basis. Therefore, it is crucial that the Nursing professional is able to provide correct primary care to this type of patients, referring them and administering the correct treatment when necessary. Aware of this, TECH professionals have designed this comprehensive program that aims to instruct professionals in the diagnostic and treatment methods in cases of trauma conditions in the emergency department.





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*Knowing how to manage and refer trauma patient emergency care is a vital competency in the nurse's curriculum, as it enables them to work at a much higher level”*

Currently, one of the most complex healthcare environments to work in are the Accident and Emergency care departments of hospitals and all types of health centers. This is because the professionals who work there encounter critical situations of all kinds on a daily basis which put their response capacities and knowledge on trial.

In this sense, trauma is one of the main causes of mortality in the young population and one of the most recurrent cases in the emergency department. Therefore, understanding the advanced approach to these scenarios is highly necessary for Nurses to provide excellent care to these types of patients. In this Postgraduate Certificate, the guidelines for a correct assessment and identification of these people, as well as the most advanced treatments and associated therapies that should be known by the Nursing staff when intervening in patients with trauma, are presented.

Moreover, it will be highlighted and analyzed in-depth those cases where polytraumatized patients are involved. In this regard, and given its magnitude and complexity, the type of therapy to be followed with these patients will be addressed, and resuscitation maneuvers will be applied. Likewise, wounds and burns will be approached from a more detailed focus, with emphasis on the severe burn patient, which involves a high level of complexity.

On the other hand, it will include those activities that Nursing professionals must be familiar with, such as the performance of sutures with advanced techniques or the placement of splints; where pain management must be approached holistically throughout the entire care.

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 Advanced Approach in Trauma Emergencies** contains the most complete and up-to-date 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 specialization 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 course, discussion forums on controversial issues and individual reflection papers
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*Improve your knowledge in polytrauma patient care through this program, where you will find the best didactic material with real cases”*

**“** *This Postgraduate Certificate is the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge in care of the trauma patient, you will obtain a certificate from one of the most reputable educational institutions: TECH Global 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 allow the professional a situated and contextual learning, that is, a simulated environment that will provide an immersive education programmed to prepare 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 created by renowned and highly experienced experts in emergency nursing.

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

*This 100% online Postgraduate Certificate will allow you to combine 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 Advanced Approach in Trauma Emergencies 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.





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*With this Postgraduate Certificate, TECH sets only one goal: to help you grow in your professional career and to become a prestigious nurse”*



## General Objectives

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- Delve into the advanced management of patients with severe trauma, major burns and their associated complications
- Review the main damage control resuscitation strategies and their application in different health care settings
- Examine the effective strategies for the patient's pain control from a biopsychosocial approach

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*The best team of professionals gathered with a single purpose, to bring you closer to academic and professional excellence”*





## Specific Objectives

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- ◆ Develop the epidemiology related to the severe trauma patient and the epidemiological magnitude involved
- ◆ Delve into the assessment and stabilization of the trauma patient, with specific procedures and techniques throughout the process of emergency health care treatment
- ◆ Learn about resuscitation therapies related to major trauma, with a focus on damage control resuscitation
- ◆ Describe the action plan for a “Polytrauma Code”
- ◆ Update on mobilization and immobilization protocol for trauma patients
- ◆ Acquire advanced knowledge of burns, both in their assessment and management
- ◆ Plan Nursing care based on identified problems
- ◆ Demonstrate the main therapeutic techniques and Nursing care related to fractures and dislocations
- ◆ Delve into pain management and acquire skills to perform advanced care

# 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 education and contents of the educational panorama, so that they can practice their profession with greater guarantees of success.





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*The best team of professionals gathered with a single purpose, to bring you closer to academic and professional excellence”*

## 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

“*Take the step to get up to date on the latest developments in Advanced Approach in Traumatologic Emergencies*”

# 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 situations in which the patient may come to the emergency department and require specific attention by the trauma team. 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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*This online Postgraduate Certificate in Advanced Approach in Trauma Emergencies contains the most complete and up-to-date scientific program on the market”*

### Module 1. Advanced Approach to Trauma Emergencies

- 1.1. Magnitude and Epidemiology of Severe Trauma
- 1.2. Assessment and Stabilization of the Trauma Patient
- 1.3. The Polytraumatized Patient
- 1.4. Damage Control Resuscitation
- 1.5. Burns. Assessment and Management of the Severely Burned Patient
- 1.6. Advanced Nursing Care in Acute and Chronic Wounds. Sutures
- 1.7. Fractures and Dislocations. Splinting and Casting
- 1.8. Pain as the 5th Vital Constant. Assessment and Management





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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.





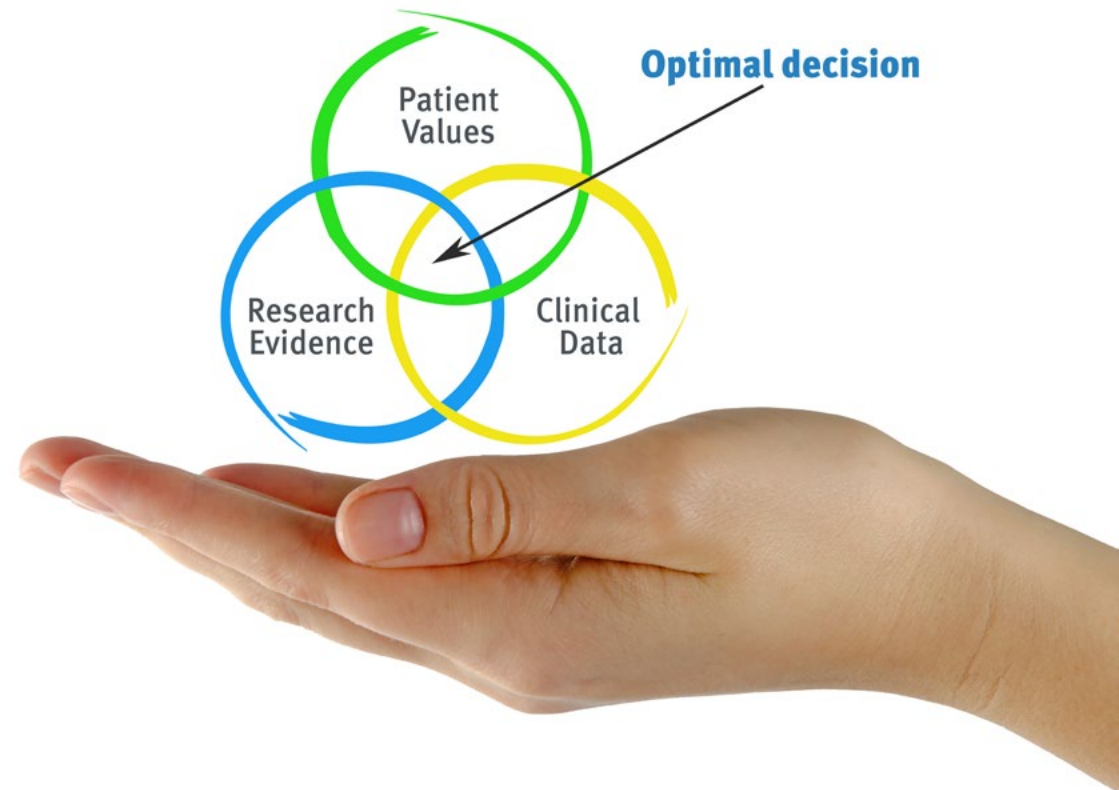
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## 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

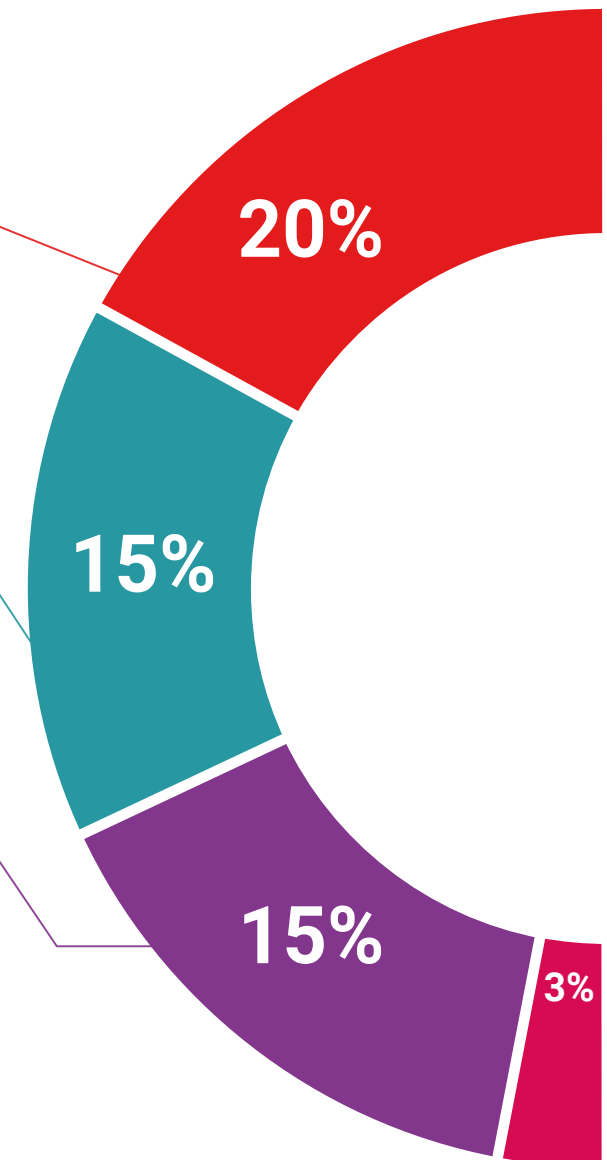
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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 Advanced Approach in Trauma Emergencies guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.





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

This private qualification will allow you to obtain a **Postgraduate Certificate in Advanced Approach in Trauma Emergencies** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Advanced Approach in Trauma Emergencies**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.



future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development language  
virtual classroom



**Postgraduate Certificate**  
Advanced Approach in  
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