

Postgraduate Certificate

Advanced Nursing Care in the Severe Trauma Patient



Postgraduate Certificate Advanced Nursing Care in the Severe Trauma 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-severe-trauma-patient

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 16

05

Methodology

p. 20

06

Certificate

p. 28

01

Introduction

The polytraumatized patient and the complications that may arise from his accident make his management in the Intensive Care Unit difficult. The considerations to be taken into account for their classification and assessment are wide and diverse and the nurse must act with diligence and thoroughness to ensure optimal management of their health through specialized triage and clinical care adapted to the possibilities of each context. In this Postgraduate Certificate, you will find a complete guide to update yourself in this care, especially in cases of severe polytrauma. It is a qualification consisting of 150 hours of the best theoretical, practical and additional content prepared by the best experts in nursing and compacted in a convenient 100% online format.





“

Get up to speed on polytrauma care with
TECH and this comprehensive 6-week
Postgraduate Certificate”

Traffic accidents are among the top 5 causes of death worldwide, and are also one of the most frequent reasons for severe polytrauma admissions to the Intensive Care Unit. And although these cases may be caused by various casuistry (falls, accidents, emergencies, etc.), it is a critical clinical context that the nursing professional must know how to deal with maximum diligence and caution, precisely because of the possible complications that may arise from it (multi-organ failure, infections, bleeding, etc.). Precisely because of the delicacy and acuity that this specialty requires, it is an area in constant evolution, in which various detection and management techniques are implemented every year to promote the positive evolution of the patient's health.

Thus, TECH has collected in 150 hours of the best theoretical, practical and additional content the latest information on the subject, developing this Postgraduate Certificate in Advanced Nursing Care in the Severe Trauma Patient. This is a dynamic and comprehensive degree through which graduates will be able to delve into the latest advances in medical care, allowing them to improve their skills in anticipating potential problems, as well as placing special emphasis on the latest specific mobilization techniques according to the needs of each case.

Thus, during the 6 weeks of the academic experience, the graduate will have access to a specialized syllabus, real case studies and a multitude of diverse material: detailed videos, research articles, news, images, self-knowledge and evaluation exercises, dynamic summaries, diagrams and much more. All of this is hosted on a state-of-the-art virtual platform that you can access from any device with an internet connection. You will be able to distribute the teaching load according to your availability, being able to organize the Postgraduate Certificate in a way that fits in with your work activity.

This **Postgraduate Certificate in Advanced Nursing Care in the Severe Trauma Patient** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of practical case studies presented by experts in Intensive Care Nursing
- ♦ 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



You will be able to work on perfecting your skills in assessment and advanced ICU care through 150 hours of the best theoretical, practical and additional content”

“

Environmental protection is one of the main challenges facing the water sector. With the knowledge you will acquire in this Postgraduate Certificate, you will propel your career towards change”

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. This will be done with the help of an innovative system of interactive videos made by renowned experts.

You will work conscientiously on perfecting your skills in the early detection for the early detection of complications in polytraumatized child patients through real case studies.

The Postgraduate Certificate includes a section on the possible complications of severe polytrauma, so that you can update your knowledge in their management.



02 Objectives

TECH is aware of the complexity of coordinating the course of an updating degree with work activity. Therefore, the objective of this and all the programs it offers is to provide professionals with access to an academic experience that allows them to work on their updating in a comfortable, but effective way, through a modality that adapts to their needs, at the same time as to the demands of the sector, in this case, the clinical context.



“

The syllabus includes a module on managing critical contexts, so you can work on managing emotions in complex situations”



General Objectives

- Synthesize data to inform the assessment of the patient
- Collect data to inform patient assessment
- Use data to inform patient assessment
- 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

- ◆ Provide nursing care in The Polytraumatized Patient
- ◆ Anticipate potential problems
- ◆ Keep abreast of mobilization specific to the patient's needs
- ◆ Integrate all team members as part of the process



A program of the highest level with which you will raise your practice to the highest level by updating the internalized concepts that you already handle”

03

Course Management

The faculty of each of the degrees offered by TECH is always composed of the best professionals. And this University includes a distinctive plus with the guided accompaniment of specialists, experts in the field who actively participate in the development of the syllabus and additional material. In addition, during the course of the degree they are available to the graduate to resolve any questions that may arise through the virtual study platform.



“

The teaching team has selected real case studies so that you can solve them and perfect your skills in triage and management of critical polytrauma patients”

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

Mr. Martín De Castro, Javier

- ♦ Coronary Intensive Care Unit Nurse at the Hospital Universitario de la Hospital Universitario 12 de Octubre
- ♦ Nurse in the Post-Surgical Intensive Care Unit at the Puerta de Hierro Hospital
- ♦ Nurse in the Intensive Care Unit at the Ruber Juan Bravo Hospital
- ♦ Degree in Nursing
- ♦ Professional Master's Degree in Critical Illness and Emergencies at Universitat de Barcelona
- ♦ Postgraduate Diploma in Nursing Processes and Interventions for Pediatric Patients in Life-Threatening Situations
- ♦ Expert in Simulation Instructor: Improving teamwork through TeamSTEPPS®

Mr. Sánchez Álvarez, Armando

- ♦ Nurse in polytrauma and emergency ICU at Hospital Universitario 12 de Octubre
- ♦ Nurse in Medical ICU in Hospital Ramón y Cajal
- ♦ Medical ICU and Surgical Rea at Hospital Severo Ochoa de Leganés
- ♦ General Emergency Nurse at Hospital Universitario La Paz
- ♦ Master's Degree in Critical Care at Universidad Rey Juan Carlos
- ♦ Postgraduate Diploma in Hospital and Outpatient Emergencies and Emergencies, Escuela de Ciencias de la Salud, Madrid

04

Structure and Content

This Postgraduate Certificate in Advanced Nursing Care in the Severe Trauma Patient is composed of 150 hours of the best theoretical, practical and additional content. The latest, presented in various audiovisual formats, is included not only to bring dynamism to the course of the program, but also to allow the graduate to expand each section in a personalized way. In this way TECH adapts its degrees to the requirements of all its graduates.



“

All content can be downloaded for offline viewing or for when you exceed 6 weeks”

Module 1. Special Situations. Severe trauma patient. Advanced assessment and care

- 1.1. Severe traumatic illness
 - 1.1.1. General Aspects
 - 1.1.2. Background
 - 1.1.3. Accidentology and injury biomechanics
- 1.2. Initial care of severe trauma: Primary and Secondary Assessment
 - 1.2.1. Pre-hospital care and transfer
 - 1.2.2. Primary assessment and stabilization
 - 1.2.3. Second Evaluation
- 1.3. Cranioencephalic trauma TBI
 - 1.3.1. Lesions
 - 1.3.2. Nursing care and management
 - 1.3.3. Procedures and Techniques
- 1.4. Facial and neck trauma
 - 1.4.1. Lesions
 - 1.4.2. Nursing care and management
 - 1.4.3. Procedures and Techniques
- 1.5. Thoracic trauma
 - 1.5.1. Lesions
 - 1.5.2. Nursing care and management
 - 1.5.3. Procedures and Techniques
- 1.6. Abdominal Trauma
 - 1.6.1. Lesions
 - 1.6.2. Nursing care and management
 - 1.6.3. Procedures and Techniques
- 1.7. Pelvic trauma
 - 1.7.1. Lesions
 - 1.7.2. Nursing care and management
 - 1.7.3. Procedures and Techniques





- 1.8. Spinal or vertebro-medullary (vertebro-medullary) trauma
 - 1.8.1. Lesions
 - 1.8.2. Nursing care and management
 - 1.8.3. Procedures and Techniques
- 1.9. Orthopedic trauma
 - 1.9.1. Lesions
 - 1.9.2. Nursing care and management
 - 1.9.3. Procedures and Techniques
- 1.10. Trauma in special situations and groups
 - 1.10.1. Advanced trauma life support (ATLS)
 - 1.10.2. Populations at risk
 - 1.10.3. Crush and blast

“

Do not hesitate and enroll in this Postgraduate Certificate to reach, in only 6 months, the highest level in Intensive Care through a concise update on the management of the severe trauma patient”

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.





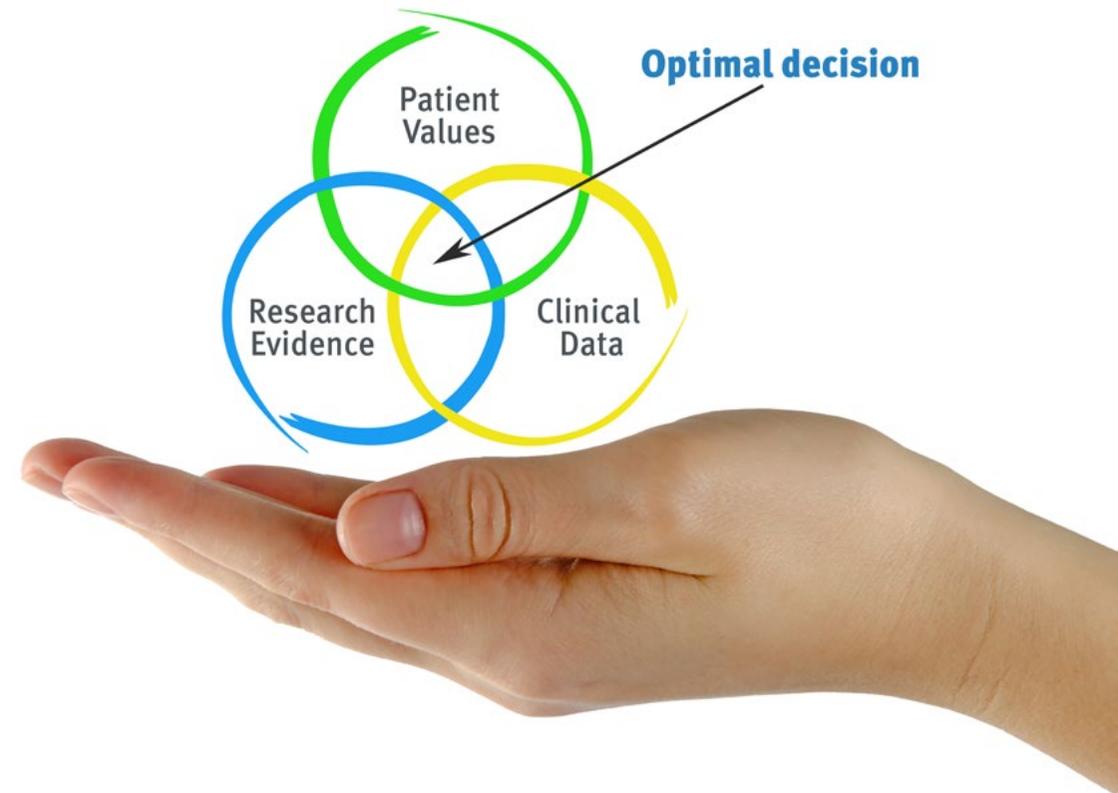
“

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.

“

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 adapted in audiovisual format, to create the TECH on line 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

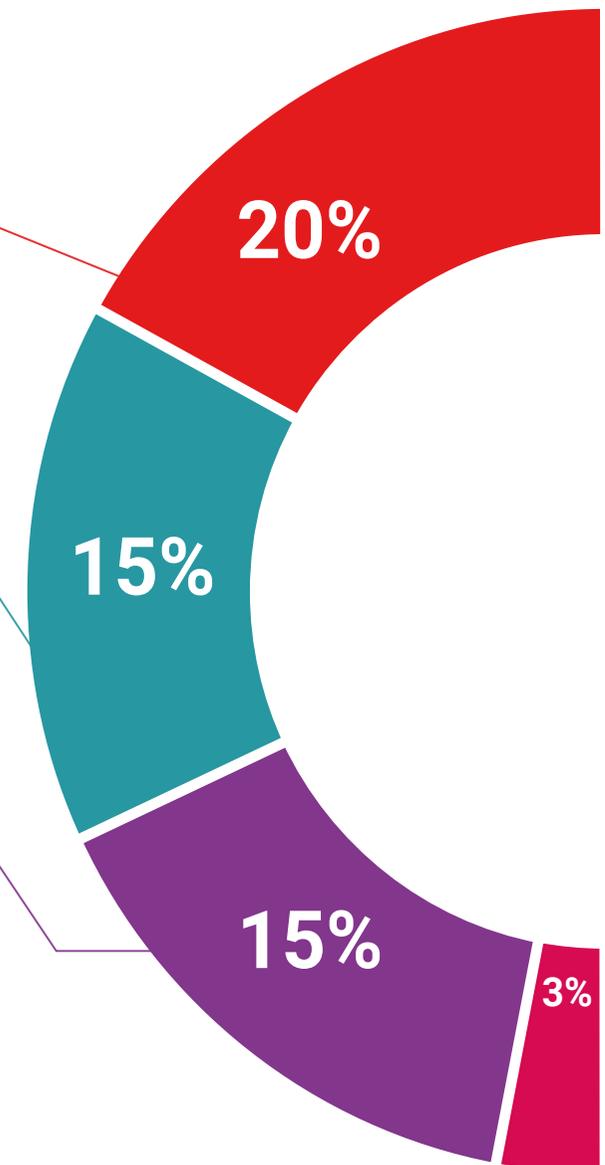
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

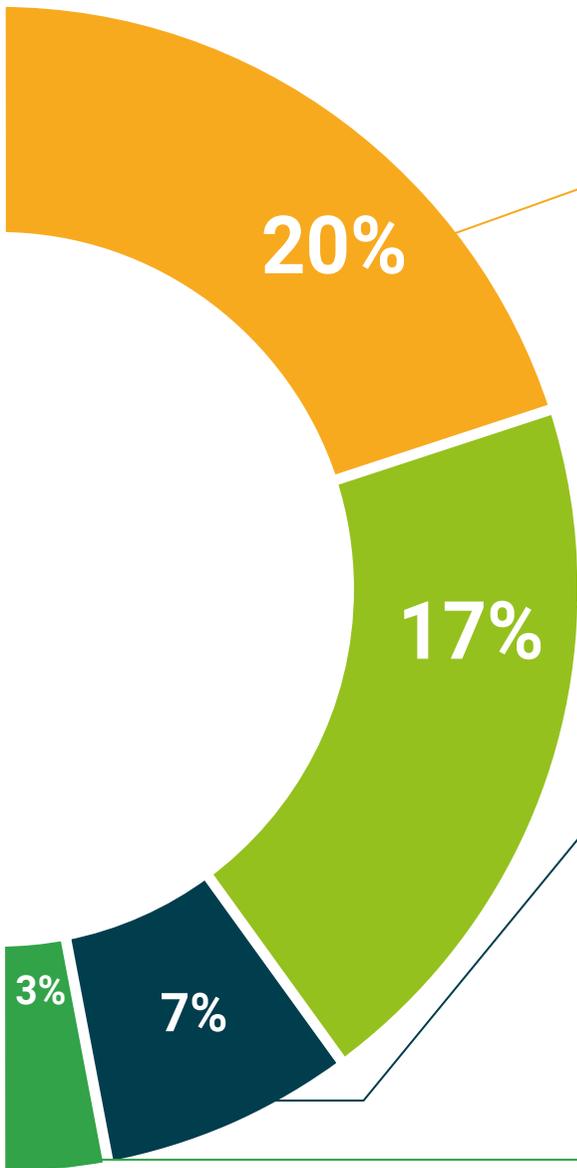
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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

The student's knowledge is periodically assessed and re-assessed throughout the program, through evaluative and self-evaluative activities and exercises: in this way, students can check how they are doing in terms of 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 in the Severe Trauma 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 in the Severe Trauma 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 in the Severe Trauma 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 languages
virtual classroom



Postgraduate Certificate Advanced Nursing Care in the Severe Trauma Patient

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

Postgraduate Certificate

Advanced Nursing Care in the Severe Trauma Patient

