

# Postgraduate Certificate Assesment and Monitoring in Nursing of a Critically Ill Patient





## Postgraduate Certificate Assessment and Monitoring in Nursing of a 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/assessment-monitoring-nursing-critically-ill-patient](http://www.techtute.com/us/nursing/postgraduate-certificate/assessment-monitoring-nursing-critically-ill-patient)

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# 01

# Introduction

In recent years, ICUs have perfected their attention and care processes, which has allowed the detection of changes in the patient's condition, the prevention of complications and the improvement of patient safety. All this, together with the improvement of the equipment for its assessment and monitoring. For this reason, TECH has decided to offer Nursing professionals this 100% online program that allows the graduate to be aware of advances in the methods of information collection, in the evaluation of respiratory rate, cardiac or early detection of the presence of neurological signs. All this, in 100% online format and compatible with the most demanding job responsibilities.



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*Obtain in only 150 teaching hours a complete updating process on Assessment and Monitoring in Nursing of a Critically Ill Patient”*

The early detection of changes in the clinical stage of a patient and appropriate decision making in Intensive Care Units depends largely on the correct process of Assessment and Monitoring of that person. A task in which the Nursing professional plays an important role due to their knowledge and competences for the performance of specialized care and assistance.

In this sense, it is essential that the healthcare professional is aware of the advances in diagnostic methods through analysis, techniques for the evaluation of the cardiovascular or respiratory function of the patient or to determine the state of consciousness and motor response capacity. This 6-week Postgraduate Certificate is a compendium of actions that will bring the graduate up to date in this field.

It is a program developed by a team of nurses with extensive experience in ICU in hospitals that are distinguished by the incorporation of the latest advances and scientific rigor. All this is reflected in an exhaustive syllabus that leads students to be aware of the progress in the approach to the patient with delirium, in the exploration techniques of the peripheral arterial system or the realization of records in these multidisciplinary spaces.

The syllabus is made even more attractive thanks to the numerous multimedia resources, simulations of case study scenarios and scientific literature that allow the information in this program to be extended even further.

Without a doubt, an ideal opportunity for a complete update through an accessible program, whenever and wherever you want. All you need is a digital device with an internet connection to view, at any time of the day, the content hosted on the virtual platform. In this way, with no in-person attendance, or classes with fixed schedules, students have greater freedom to self-manage their time and combine their daily activities with a quality university proposal.

This **Postgraduate Certificate in Assessment and Monitoring in Nursing of a Critically Ill Patient** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ The development of practical cases presented by experts in Nursing in Intensive Care Units
- ◆ 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 method, you will reduce the hours of study and focus your attention on the most important concepts of this program"*

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*An academic option that provides you with the most current information on the performance of analytical controls in the ICU”*

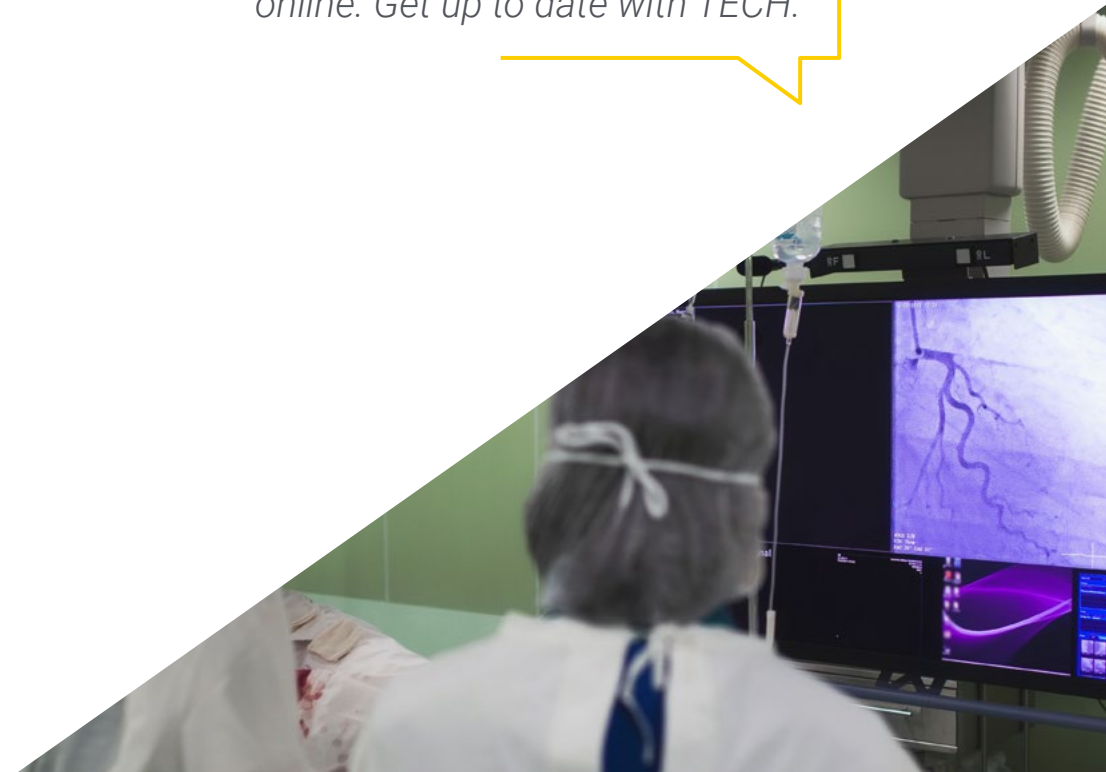
*Delve into the most recent scientific studies on hemodynamic monitoring of the critically ill patient.*

*Choose the place you want and connect from your digital device to this Postgraduate Certificate 100% online. Get up to date with TECH.*

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.



# 02 Objectives

This Postgraduate Certificate has been designed to offer the Nursing professional a complete update on the processes and methods of Assessment and Monitoring of a Critically Ill Patient. These goals will be much easier to achieve thanks to the multimedia teaching tools included in this program and the proximity of the faculty, which will allow the graduate to resolve any questions they might have during the course of this program.





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*Achieve an effective up-to-date update on the processes of critical patient Assessment through the best didactic material”*



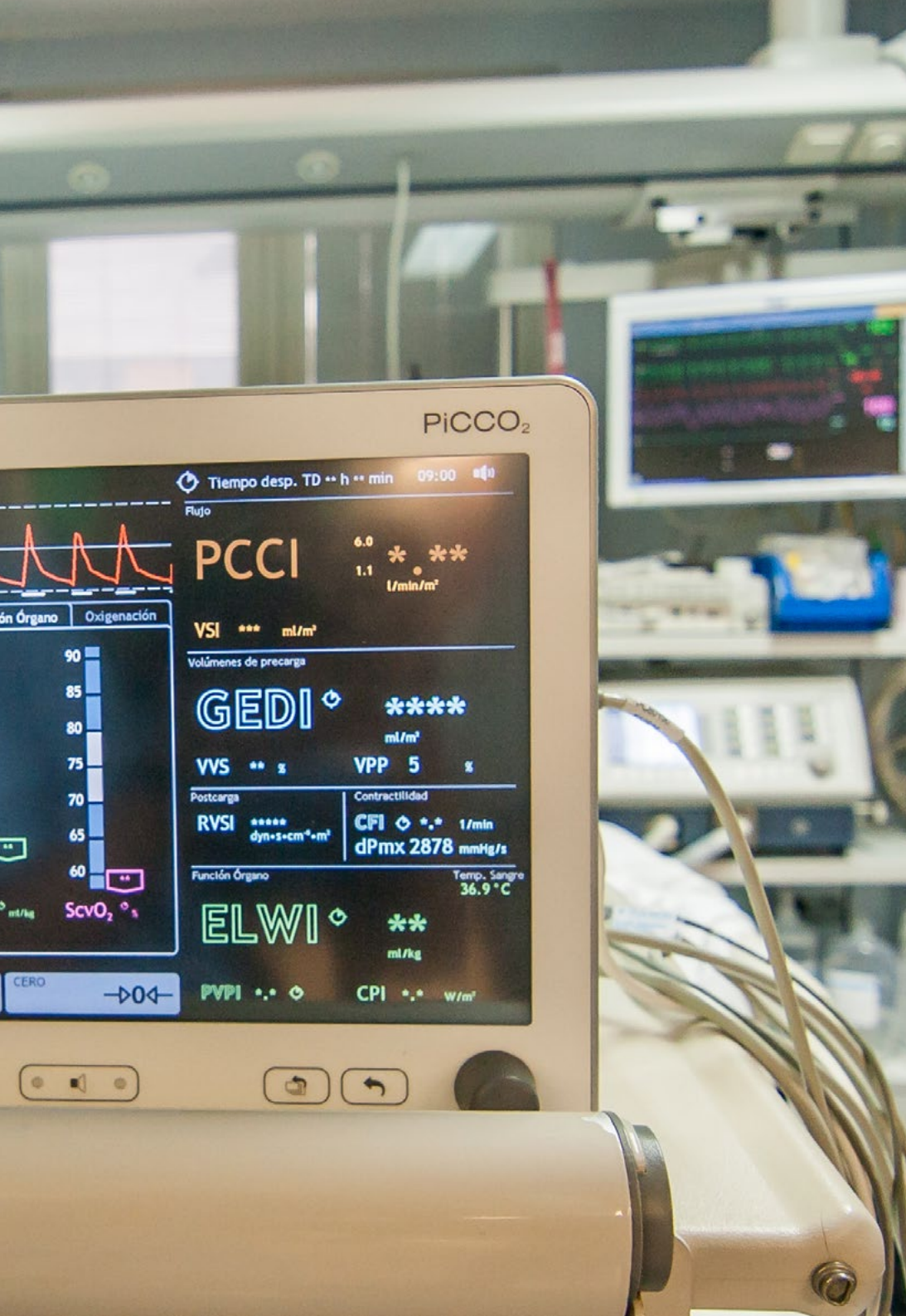
## General Objectives

- Update the necessary knowledge in the nursing care of critical patients, in order to increase the quality and safety of nursing practice in the Intensive Care Unit
- Acquire the necessary skills to provide comprehensive care to the critical patient with criteria of speed, efficiency and quality
- Review the fundamental principles of critical care nursing



*Increase your I CU record keeping skills with this academic option"*





## Specific Objectives

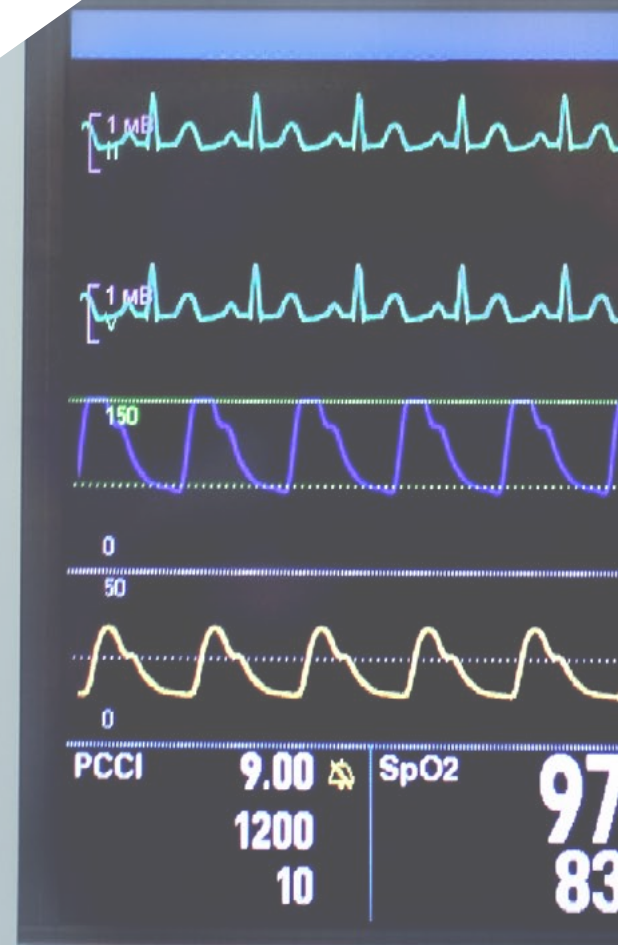
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- Describe the different modes of invasive and non-invasive monitoring of the critically ill patient, as well as their correct technique
- Analyze the importance of filling out the different nursing records used in the Intensive Care Unit, and interpret their value in the patient's rehabilitation process

# 03

# Course Management

TECH has brought together for this program a first class teaching staff, with high competencies and skills in the attention and care of patients in Intensive Care Units. In this way, the graduate will have access to a syllabus designed and developed by real professionals whose experience in reference hospital centers is evident throughout the 150 teaching hours that make up this quality academic option.





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*Distinguished healthcare professionals will be in charge of providing you with the most advanced syllabus on Assessment and Monitoring in Nursing of a Critically Ill Patient”*

## Guest Director



### Ms. Díez Sáenz, Cristina

- Head Nurse of the Adult Intensive Care Unit at Gregorio Marañón General University Hospital
- Nursing supervisor at Gregorio Marañón ICU
- Nurse Assistant in different hospitalization areas in different health centers and hospitals
- Participation as collaborating researcher in the multicenter project "National validation of the scale of satisfaction with nursing care from the perspective of the critically ill patient"

## Co-Direction



### Ms. Lospitao Gómez, Sara

- Intensive Care and Interventional Cardiology at University Hospital of Fuenlabrada (UHF)
- Nurse in the Post Surgical Intensive Care Unit Cardiac Surgery UPC Hospital 12 de Octubre
- Coronary Intensive Care Unit Nurse. 12 de Octubre Hospital
- Nurse of the Interventional Cardiology Unit (Hemodynamics, EEF and Implants)
- PR Manager of #TEAyudamos and Member of the group #JuntosxElCáncer
- Instructor for SVA by the National CPR Plan of SEMICYUC
- Member of: Care Sub-Commission (HUF), Welfare Commission (HUF), Secretary of the Ulcers and Wounds Working Group (HUF)



## Professors

### Ms. Álvarez Carrascal, Inmaculada

- Nurse referent of Security in ICU of the Gregorio Marañón General University Hospital
- Instrumentalist nurse in the operating room of Churchill Hospital
- Nurse assistant in various hospital and health center services in the Andalusian Health Service
- Diploma in Nursing from the University of Seville
- Expert in Intensive Care from the Complutense University of Madrid

### Mr. González Palacios, Rubén

- Attending Nurse in the Internal Medicine Unit of the 12 de Octubre General University Hospital
- Nurse assistant in different Primary Care centers in the Community of Madrid
- Developer of the mobile application "Compatibility drugs" for intravenous compatibility of drugs

### Dr. Ruiz Henestrosa Campos, Manuel Jesús

- Nurse Assistant in GUH Gregorio Marañón Hospital
- Nurse Assistant in GUH Puerta del Mar de Cadiz
- Associate Professor Practicum III of Nursing
- Collaborating teacher at the International School of Health Sciences
- Nebrija University Collaborating Professor
- Esforem Collaborating Teacher
- Diploma in Nursing

# 04

# Structure and Content

This Postgraduate Certificate has been designed to offer the professional an excellent update on the Assessment and Monitoring in Nursing of a Critically Ill Patient. A 6-week process, which brings together the most current and rigorous information provided by a consolidated faculty in this field. In addition, students will be able to extend the information provided in this program thanks to the numerous teaching resources that make up the Virtual Library of this program.







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*A syllabus that provides you, through a theoretical-practical approach, the update you are looking for on protocols in the monitoring of the critically ill patient”*

## Module 1. Assessment and Monitoring of a Critically Ill Patient

- 1.1. Basic Aspects of Monitoring a Critically Ill Patient
- 1.2. Cardiac and Respiratory Activity
- 1.3. Hemodynamic Status
- 1.4. Neurological Status
- 1.5. Delirium in Intensive Care Units
- 1.6. Monitoring of Sedoanalgesia in Critical Care
- 1.7. Analytical Controls in ICU
- 1.8. Intensive Care Nursing Records
- 1.9. Peripheral Arterial System Examination
- 1.10. Preload Monitoring. Ultrasound





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*Enhance your medical practice  
with the most updated syllabus  
on the market”*

# 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

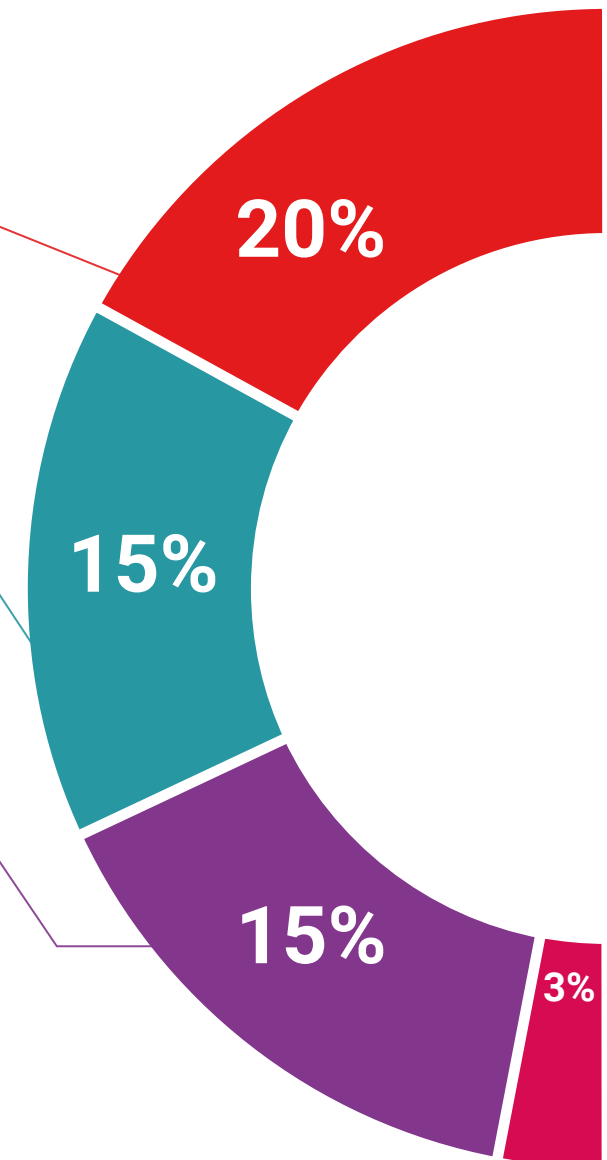
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

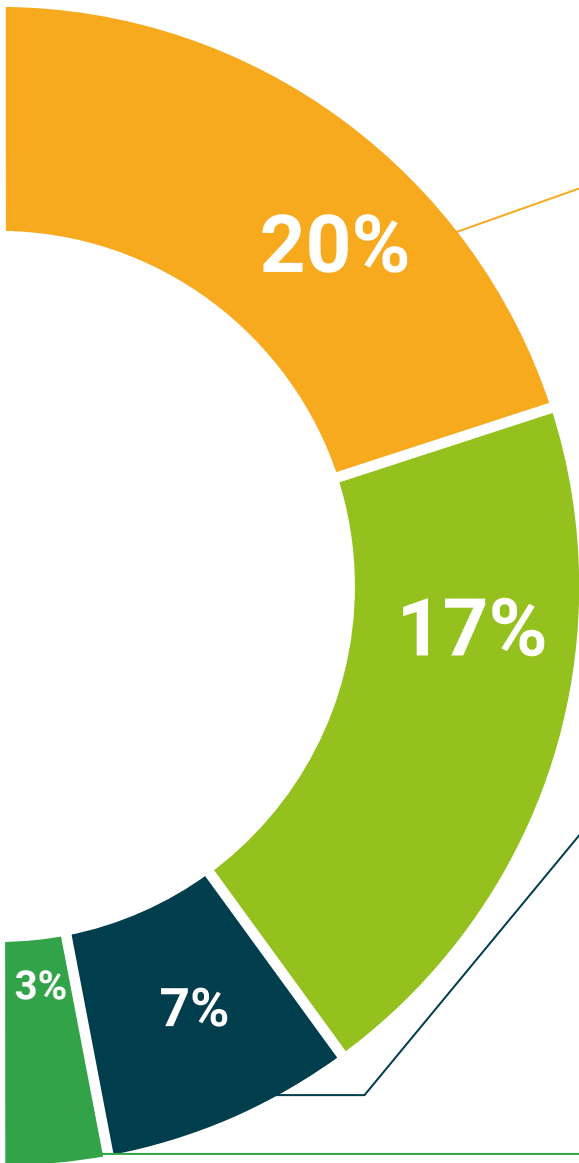
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### 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 and Assessment and Monitoring in Nursing of a 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.





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

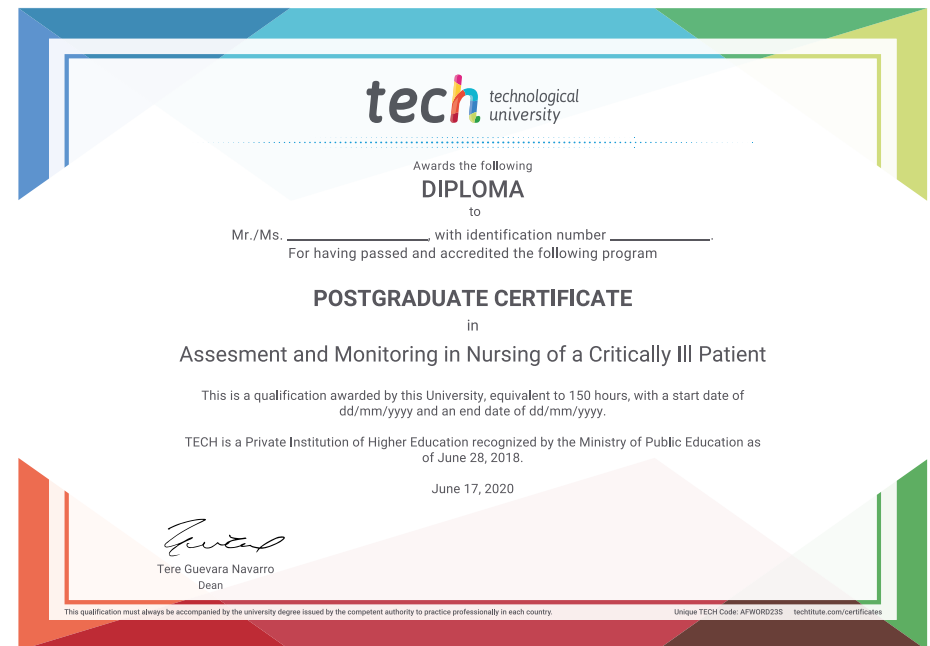
This **Postgraduate Certificate in Assessment and Monitoring in Nursing of a Critically Ill Patient** contains the most complete and up-to-date program on the market.

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 Assessment and Monitoring in Nursing of a 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.



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