

# Postgraduate Certificate

## Healthcare Management in Intensive Care Medicine





## Postgraduate Certificate Healthcare Management in Intensive Care Medicine

Course Modality: Online

Duration: 6 weeks

Certificate: TECH Technological University

Official N° of hours: 75 h.

Website: [www.techtute.com/in/medicine/postgraduate-certificate/healthcare-management-intensive-care-medicine](http://www.techtute.com/in/medicine/postgraduate-certificate/healthcare-management-intensive-care-medicine)

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# 01 Introduction

The current healthcare context, together with the other factors that influence the processes of people's health, make it increasingly necessary to introduce managerial skills in those responsible for units dedicated to the care of people. This program is aimed at improving the specialization of ICU managers, developing skills and techniques that promote their leadership.



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*The new scenarios in intensive care medicine push us to propose new up-to-date programs that meet the real needs of experienced professionals, so that they can incorporate the new trends in intensive care unit management”*

This Postgraduate Certificate in Healthcare Management in Intensive Care Medicine is designed to update the specialist physicians in the latest trends in management of intensive care units, so that they can improve their specialization to be responsible for the unit and maintain leadership in front of their peers.

The physicians will be able to update themselves on the procedures necessary to participate in the management of an Intensive Care Unit with a perspective to improve the care of critically ill patients beyond pure care, through the management of patient safety programs, quality models, humanization of care, family care, the approach to the critically ill patient admitted anywhere in the hospital, and the ethical decisions and issues arising from end-of-life decisions.

In addition, you will be able to study the program in a simple way, making it compatible with a full-time job, 100% online, in a practical way and adapted to your needs.

This **Postgraduate Certificate in Healthcare Management in Intensive Care Medicine** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Development of clinical cases presented by experts in intensive care medicine
- ♦ 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
- ♦ Includes new forms of management and future trends in the intensive care unit
- ♦ New developments in patient safety programs and quality models
- ♦ An algorithm-based interactive learning system for decision-making in the clinical different situations presented throughout the course
- ♦ All of this will be complemented by 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



*Update your knowledge through the Postgraduate Certificate in Healthcare Management in Intensive Care Medicine, in a practical way and adapted to your needs"*



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*This Postgraduate Certificate may be the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge in Healthcare Management in Intensive Care Medicine, you will obtain a qualification endorsed by TECH Technological University"*

Its teaching staff includes health professionals belonging to the field of intensive care medicine, who contribute their work experience to this program, in addition to renowned specialists belonging to leading scientific societies.

The 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 program to learn in real situations.

This program is designed around Problem-Based Learning, whereby the physicians must try to solve the different professional practice situations that arise during the course. This will be done with the help of an innovative interactive video system developed by renowned experts in the field of intensive care medicine with extensive teaching experience.

*This online methodology allows you, through practical cases, to develop your skills in the clinical environment.*

*Take the opportunity to update your knowledge in the process of health management in the intensive care unit.*



# 02 Objectives

The main objective of the program is the development of theoretical-practical learning, so that the physician achieves a rigorous mastery of the organization of the intensive care unit.





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*This refresher program will provide you with the skills to act with confidence in decision-making in ICU management, which will help you grow personally and professionally"*



### General Objective

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- Update the specialist physician on the procedures necessary to participate in the management of an intensive care unit with a perspective to improve the care of critically ill patients beyond pure assistance



*Make the most of this opportunity and take the step to get up to date on the latest trends in intensive care unit organization and management"*





## Specific Objectives

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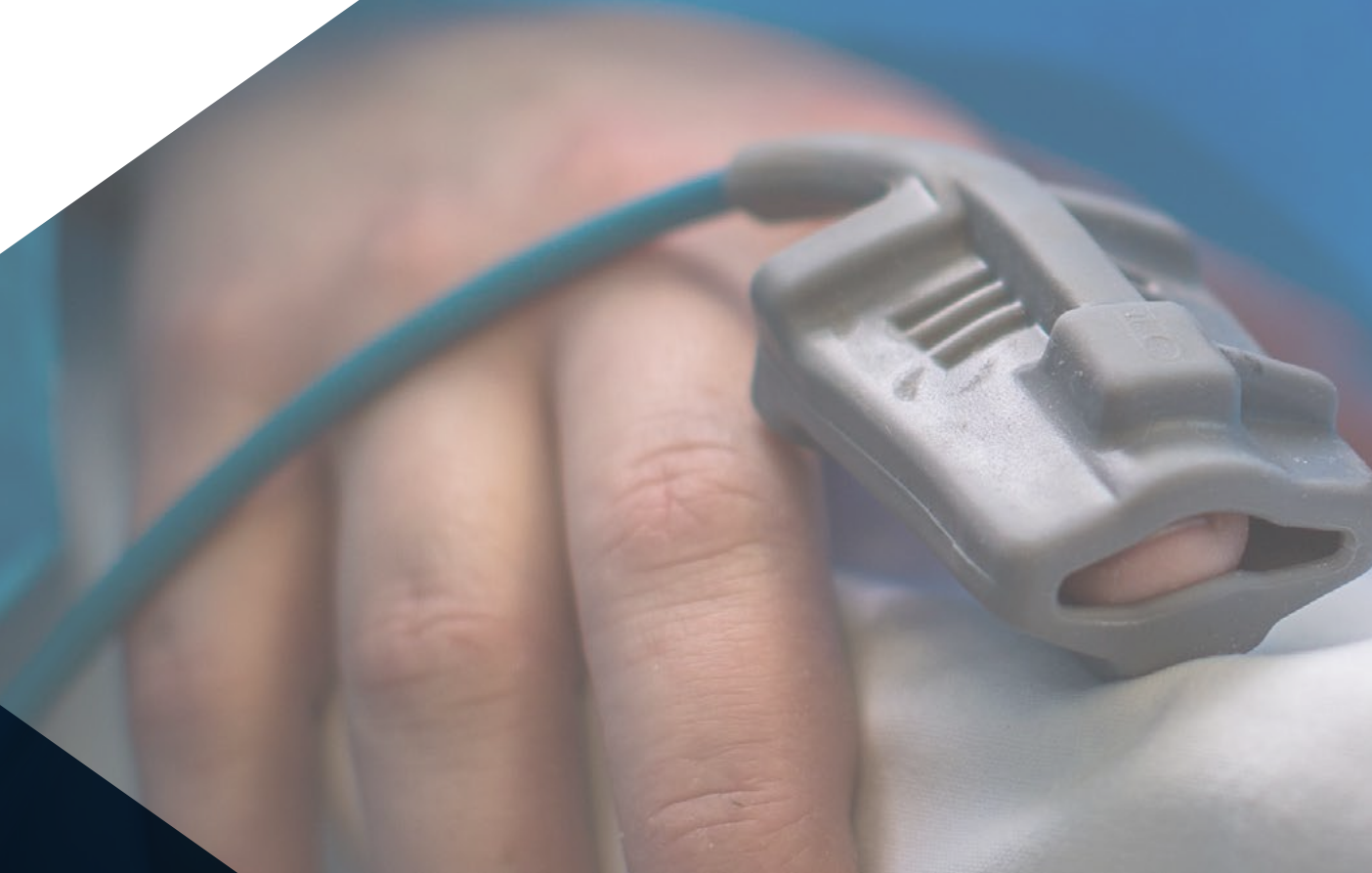
- ♦ Describe a patient safety program
- ♦ Define the usefulness of the electronic medical record in the ICU
- ♦ Explain the ICU without walls project for early detection of patients at risk
- ♦ Update the principles of ICU humanization and incorporate them into daily practice
- ♦ Describe keys to achieving greater quality and excellence in ICU service delivery
- ♦ Identify prognostic indicators in the ICU
- ♦ Point out and incorporate processes to improve communication, relationship and participation in the care of the family of the critically ill patient
- ♦ Explain the different special situations that the intensivist may face in relation to the limitation of therapeutic effort, the decision not to resuscitate or to rule out admission to the ICU



03

# Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of training in daily medical practice in the organization of the intensive care unit and critical patient care, aware of the relevance of current specialization to be able to act before the donor patient and the recipient patient, and committed to quality teaching through new educational technologies.



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*This Postgraduate Certificate in Healthcare Management in Intensive Care Medicine contains the most complete and up-to-date program on the market”*



## Module 1. Management in the Intensive Care Unit

- 1.1. Patient Safety
  - 1.1.1. Concept
  - 1.1.2. Evolution of Patient Safety
  - 1.1.3. Medical Errors
  - 1.1.4. Various Definitions
  - 1.1.5. Safety Culture
  - 1.1.6. Risk Management
  - 1.1.7. Where Are We?
  - 1.1.8. Patient Safety in Intensive Care Units
- 1.2. Information Systems
- 1.3. ICU Without Walls
  - 1.3.1. Problem: Why Did the ICU Without Walls Model Emerge?
  - 1.3.2. Solution: Early Detection of Severity
  - 1.3.3. ICU Without Walls Project
- 1.4. Humanization in the Care of Critically Ill Patients
  - 1.4.1. Introduction. HU-CI Project
  - 1.4.2. Involvement of Family Members in the Care and Presence in Certain Proceedings
  - 1.4.3. Perceived Quality. Satisfaction Surveys
  - 1.4.4. Communication Between Professionals
  - 1.4.5. Professional Needs. Professional Burnout
  - 1.4.6. Post-ICU Syndrome. Psychological Results
  - 1.4.7. Humanized Architecture
- 1.5. Quality and Excellence in the ICU
  - 1.5.1. Quality Models
  - 1.5.2. EFQM Excellence Model
  - 1.5.3. Quality Group in the ICU
- 1.6. Prognosis in ICU
  - 1.6.1. History of Severity Scales
  - 1.6.2. Prognosis Scales
  - 1.6.3. Comparison of Scales
  - 1.6.4. Unresolved Issues
- 1.7. The Family of the Critically Ill Patient
  - 1.7.1. Communicating Bad News
  - 1.7.2. Family in the ICU
  - 1.7.3. Participation in Care
- 1.8. Open Door ICU
  - 1.8.1. Family, Relatives and Visitors
  - 1.8.2. About the Visits and their Organization
  - 1.8.3. Why Are they Organized This Way?
  - 1.8.4. What Do Patients and Families Want?
  - 1.8.5. Is a Change Possible?
  - 1.8.6. Proposals for the Future
- 1.9. The ICU at the End of Life
  - 1.9.1. Ethical Principles of Limitation of Life-Sustaining Treatments (LST)
  - 1.9.2. Limitation of Life-Sustaining Treatments and Patient's Autonomy
  - 1.9.3. Decision-Making Process at Limitation of LST
  - 1.9.4. Palliative Care Plan
  - 1.9.5. Conflict Management
  - 1.9.6. Support to Professionals
  - 1.9.7. Decision Not to Resuscitate
  - 1.9.8. Organ Donation Considerations
  - 1.9.9. Rule Out ICU Admission
- 1.10. Mortality Stratification Systems in the ICU



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

# 04 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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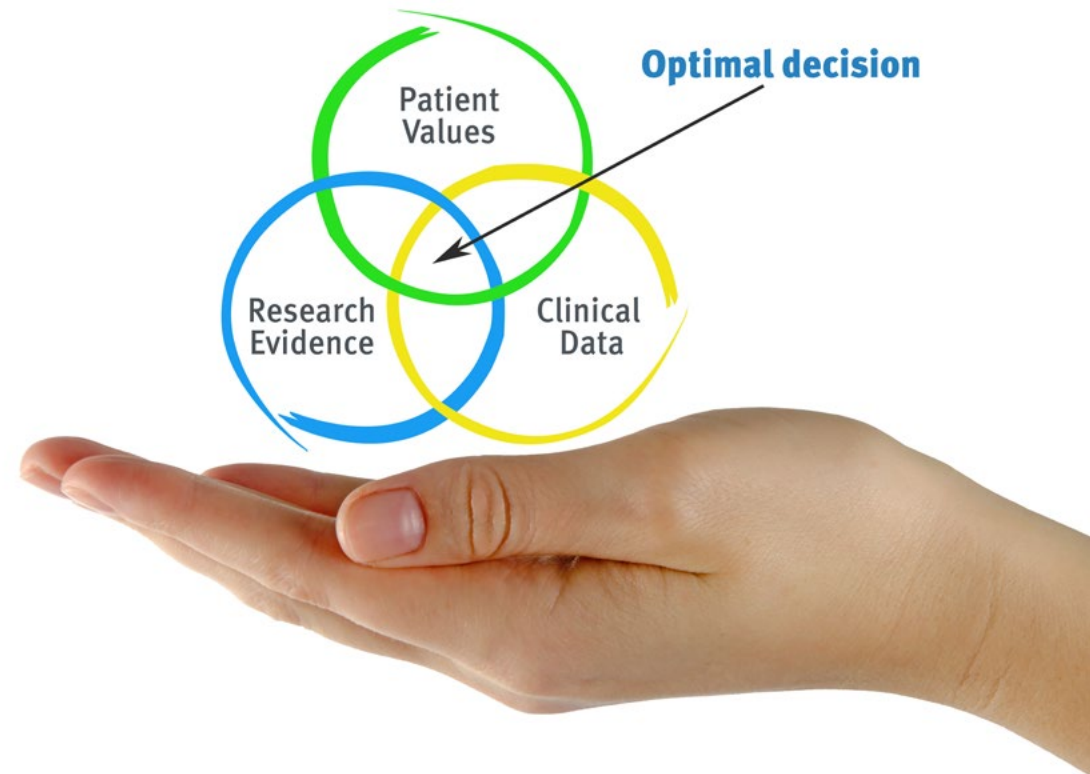
*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*



## At TECH we use the Case Method

What should a professional do in a given situation? 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. Specialists learn better, faster, and more sustainably over time.

*With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gervas, 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, trying to recreate the real conditions in the physician's professional 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. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
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 the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

*Professionals will learn through real cases and by resolving 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, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. 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.*

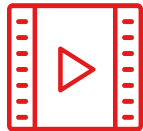
In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

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 highly 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.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and 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 the videos as many times as you like.



#### Interactive Summaries

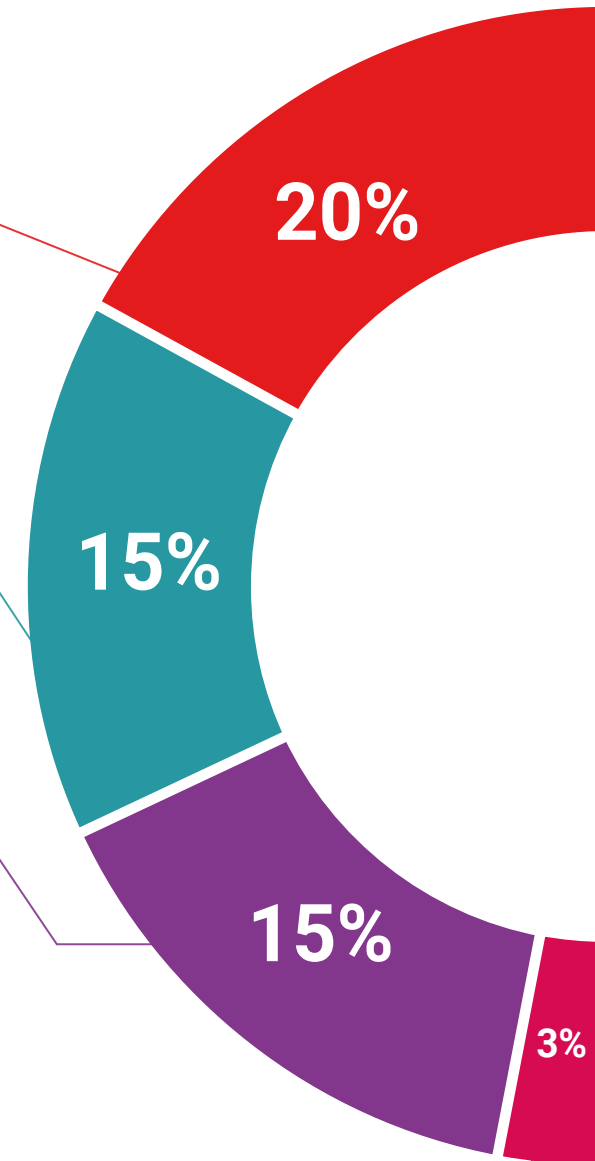
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

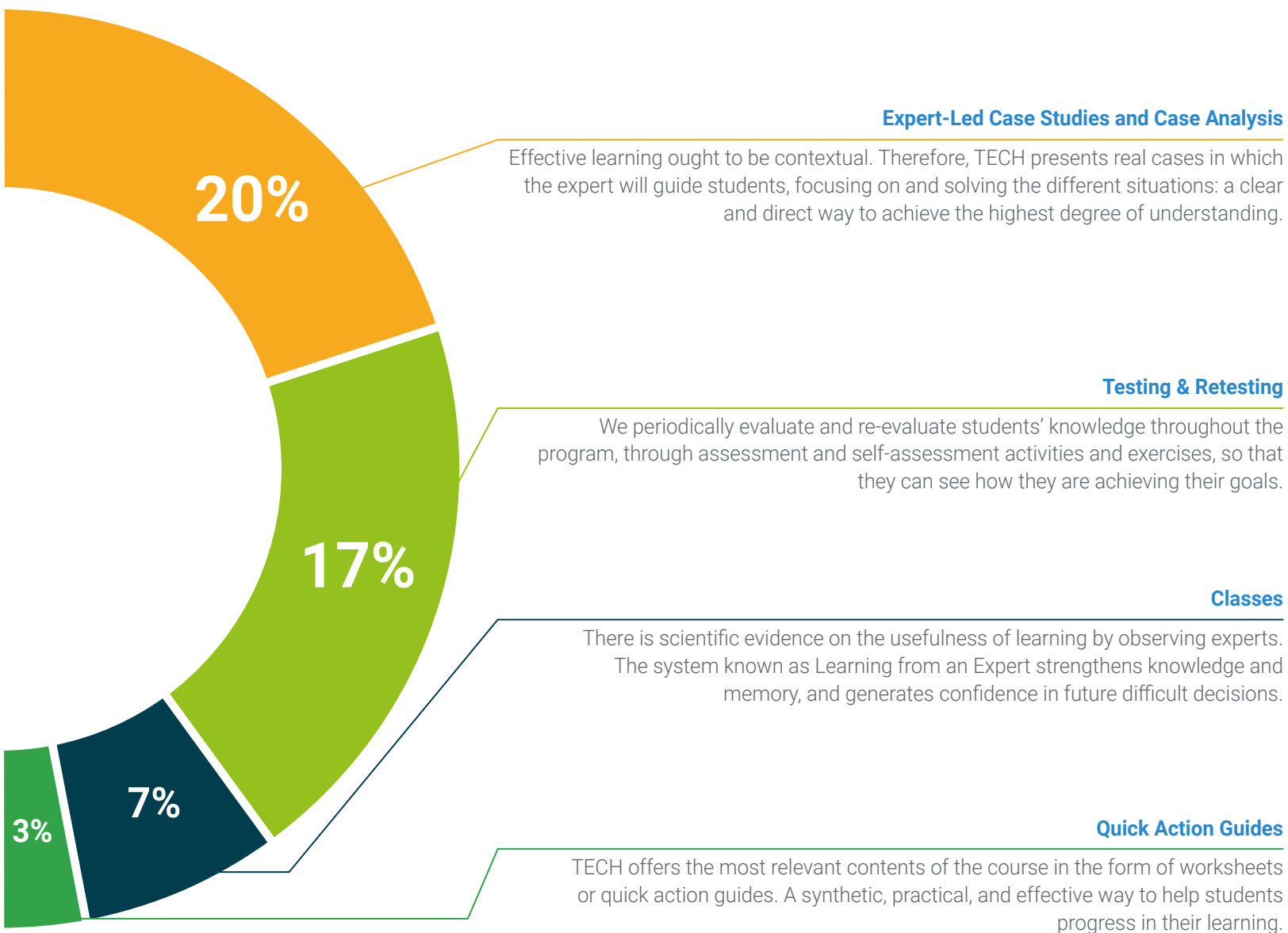
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### 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.





# 05 Certificate

The Postgraduate Certificate in Healthcare Management in Medicine Intensive 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 degree  
without travel or laborious paperwork”*



This **Postgraduate Certificate in Healthcare Management in Intensive Care Medicine** 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 Healthcare Management in Intensive Care Medicine**  
Official N° of hours: **75 hours**.



\*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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