

Postgraduate Diploma

Advanced Practice Nursing in Critical Care





Postgraduate Diploma Advanced Practice Nursing in Critical Care

Course Modality: Online

Duration: 6 months.

Certificate: TECH Technological University

Official N° of hours: 450 h.

Website: www.techitute.com/in/nursing/postgraduate-diploma/postgraduate-diploma-advanced-practice-nursing-critical-care

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01

Introduction

Recent advances in the fields of cardiology, oncohematology and palliative care have made advanced practice nursing much more developed, driving nursing professionals to update so as to catch up on all these issues. Aware of the urgency of this update, TECH has developed a comprehensive program that compiles the most current studies and research on cardiac patient rehabilitation and chemotherapy, radiotherapy and analgesic pharmacotherapy in cancer pain, along with other areas of great interest to nursing. Thus, it is an excellent opportunity to achieve a deep and efficient professional update.



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You will have access to the latest scientific postulates in blood products, brachytherapy, cardiac surgery and cardiac diagnostic tests, with a focus on advanced practice nursing”

In advanced practice nursing, it is essential to be up to date on critical care, as it is one of the areas where most advances are made. New technologies in pacemakers and Holter, as well as recent research in skin disorders, mucositis and analgesic pharmacotherapy require nurses to be extremely up-to-date.

TECH has brought together a team of nurses with extensive experience in the care and treatment of critical care pathologies, focusing especially on the areas of oncohematology and cardiopathy. Thanks to that, the didactic material provided acquires a practical nature as it combines the latest scientific evidence with the most successful nursing approach today.

Therefore, throughout the program, nursing professionals will expand and update on APN management in clinical, financial, Primary Care Center (PCC) and hospital settings, as well as in the role of nursing in hemodynamics, advanced drug management in cardiology, oncological emergencies and advanced palliative care.

All this compiled in a course that is offered in a completely online format, allowing students to balance it with the most demanding professional and personal activities. The didactic contents are available for download from any device with an Internet connection, allowing you to study them at your own convenience.

This **Postgraduate Diploma in Advanced Practice Nursing in Critical Care** contains the most complete and up-to-date educational program on the market. Its most notable features are:

- ♦ Practical cases presented by experts in advanced practice 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 in Advanced Practice Nursing
- ♦ 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



Choose the best possible academic option to update your knowledge of critical care in APN with the support of expert professionals in the field"

“

Apply the most refined APN clinical management in your daily practice with a contemporary vision of the role of Advanced Practice Nursing in Spanish-speaking countries”

The program's teaching staff includes professionals from sector who contribute their work experience to this training program, as well as renowned specialists from leading societies and prestigious universities.

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 immersive training programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

Get up to date with the current role of nursing in cardiology and cardiac patient rehabilitation, including the most prolific advances in care continuity.

Join a flexible program, where you will be the one to set the schedule and pace of study you need at any given time.



02 Objectives

Critical care in the APN setting requires nurses of the highest educational and organizational level. Therefore, the objective of this program is to provide all professionals in the area of Advanced Practice Nursing with the most recent studies, developments and scientific theses on cardiology, oncohematology and palliative care. The objectives proposed by TECH define the quality of the program, as well as its focus on updating nursing professionals in the most urgent issues in the specialty.



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You will achieve all the course objectives thanks to TECH's pedagogical methodology, which will help you get the most out of the hours invested in the program”



General Objectives

- Train nursing professionals for advanced practice in research, teaching and care
- Know the most complex specific procedures in nursing practice
- Acquire advanced knowledge in anatomy, physiology, pathology and pharmacology
- Adapt professional nursing profiles to perform organizational and/or care positions at the highest level, all related to the most innovative and booming topics in advanced nursing



After graduating, you will have up-to-date knowledge of the different types of catheters, patient management in coronary units and nursing interventions in cardiac diagnoses"





Specific Objectives

Module 1. Advanced Practice Nursing (APN)

- ♦ Study advanced nursing research in depth
- ♦ Study advanced nursing management
- ♦ Delve into the human aspect of patient care
- ♦ Know the history of advanced nursing practice
- ♦ Analyze clinical administration and accounting

Module 2. Advanced Practice in Cardiology

- ♦ Delve into the analysis and understanding of ECGs
- ♦ Gain in-depth knowledge of the main diagnostic tests in cardiology
- ♦ Learn the anatomy and physiology of the cardiovascular system at an expert level
- ♦ Learn all invasive techniques in hemodynamics
- ♦ Master cardiac rehabilitation guidelines and exercises

Module 3. Oncohematology and Palliative Care

- ♦ Know the main drugs used in chemotherapy
- ♦ Internalize the processes of carcinogenesis
- ♦ Gain in-depth knowledge of radiotherapy and its subtypes
- ♦ Learn to master the handling of central catheters. Learn how to place a PICC line
- ♦ Learn how to manage patient and family at the end of life
- ♦ Know how to use and administer hematopoietic progenitor transplants

03

Course Management

The best professionals in the academic landscape have been chosen by TECH to develop this program, because thanks to their vast professional experience in APN, they provide a guarantee of quality to all the contents. Nurses will find didactic material that meets their highest professional needs and demands, with the support of a teaching team committed to providing them with the best possible update in critical care.



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You will have expert advice from professionals who know the most current and cutting-edge reality of critical care in advanced nursing practice”

Management



Ms. Alonso Díaz, Verónica

- ♦ Advanced Practice Nurse in the Community of Madrid
- ♦ Head of Nursing CAP Santa Isabel
- ♦ Head of Nursing at CAP Cuzco
- ♦ DUE, Escuela Universitaria Cruz Roja, associated to UAM



Mr. Jiménez Vales, Luis

- ♦ EIR training tutor, CTO Nursing Group
- ♦ Pediatrics EIR Teaching Coordinator, CTO Nursing Group
- ♦ Teaching coordinator of Oncohematology and Pain EIR, CTO Nursing Group
- ♦ Nurse in the area of Donors/Blood Bank, Fundación Jiménez Díaz
- ♦ Diploma in Nursing, School of Nursing, Fundación Jiménez Díaz, Universidad Autónoma de Madrid
- ♦ Specialist in Gynecology and Obstetrics, Gregorio Marañón General University Hospital
- ♦ Higher Technician Specialist in Clinical Diagnostic Laboratory, IES SIGLO XXI, Leganés



Professors

Ms. Fernández Rivas, Irene

- ◆ Nurse in adult consultation, Peña Prieta Health Center
- ◆ Nurse on the COVID floor and in internal medicine, Rey Juan Carlos Hospital, Móstoles
- ◆ Nurse specialist in Family and Community Nursing, Severo Ochoa Hospital, Leganés
- ◆ Degree in Nursing, Complutense University of Madrid
- ◆ Master's Degree in Nursing Care, Procedures and Clinical Applications, San Antonio Catholic University

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Structure and Content

Nurses will find content that reflects the latest scientific evidence on advanced drug management in cardiology, analgesic pharmacotherapy in oncological pain, hematopoietic stem cell transplantation and more relevant issues in critical care from the perspective of APN. The emphasis the professors have placed on combining current theory with the most successful health practices adds a higher level to all the contents, making this Postgraduate Diploma a preferential academic option to get up to date on advanced practice nursing in critical care.



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You'll find a wealth of audiovisual support unique in the academic landscape, including interactive abstracts, workbooks, supplemental readings and real clinical cases”

Module 1. Advanced Practice Nursing

- 1.1. Advanced Practice Nursing (APN)
- 1.2. Advanced Practice in Professional Nursing
- 1.3. Present and Future
- 1.4. Scope of Application
- 1.5. Career Opportunities
- 1.6. APN in Research
- 1.7. APN in Teaching: Doctorate Programs
- 1.8. APN in Management
 - 1.8.1. Clinical Financial Management
 - 1.8.2. Primary Care Center (PCC) Management
 - 1.8.3. Hospital Management
- 1.9. APN in Spanish-Speaking Countries
- 1.10. APN Clinical Practice Application

Module 2. Advanced Practice in Cardiology

- 2.1. Advanced ECG for Nursing
- 2.2. Pacemaker and Holter
- 2.3. Patient Management in the Coronary Care Unit
- 2.4. Role of Nursing Professionals in Hemodynamics
- 2.5. Cardiac Surgery
- 2.6. Nursing Interventions in Cardiological Diagnostic Tests
 - 2.6.1. Echocardiogram
 - 2.6.2. Ergometry
 - 2.6.3. Tilting Bed
 - 2.6.4. Ankle-Brachial Index (ABI) Doppler
- 2.7. Advanced Drug Management in Cardiology
- 2.8. Cardiology Nursing Techniques and Procedures
- 2.9. Nursing in Cardiopathy Patient Rehabilitation
- 2.10. Continuity of Care in Patients with Cardiopathies





Module 3. Oncohematology and Palliative Care

- 3.1. Chemotherapy
- 3.2. Radiotherapy
 - 3.2.1. External
 - 3.2.2. Brachytherapy and Intracavitary
 - 3.2.3. Systemic Coaching
- 3.3. Central Catheter with Subcutaneous Reservoir: Hickman Catheter
- 3.4. Peripherally Inserted Central Catheter (PICC): Midline Catheter
- 3.5. Oncologic Emergencies
- 3.6. Special Care for Patients Undergoing Oncologic Treatment
 - 3.6.1. General Adverse Effects
 - 3.6.2. Mucositis
 - 3.6.3. Nausea and Vomiting
 - 3.6.4. Skin and Appendages Alterations
- 3.7. Advanced Management of Analgesic Pharmacotherapy in Oncologic Pain
- 3.8. Hematopoietic Progenitor Transplantation
- 3.9. Hemoderivatives
- 3.10. Advanced Palliative Care
 - 3.10.1. End-of-Life Care: Grief Management
 - 3.10.2. Family Care



You will be able to continue perfecting your advanced practice nursing techniques in critical care thanks to the completeness and thoroughness of all the contents taught

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.



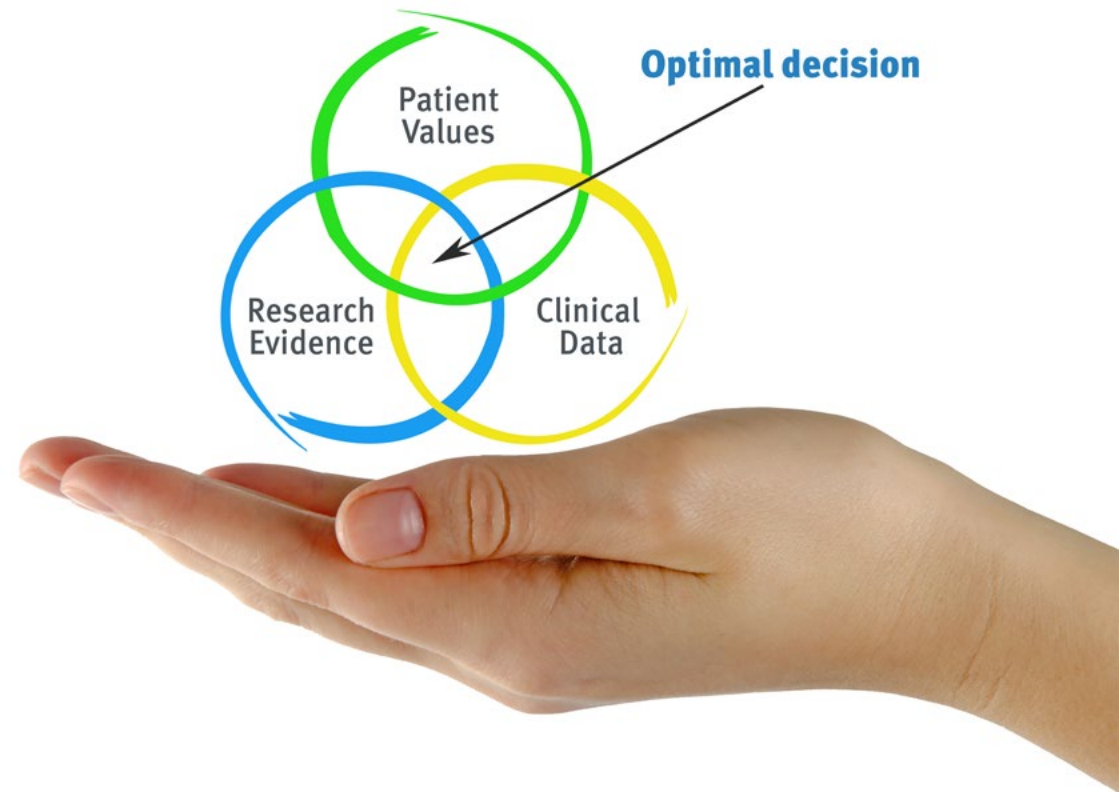
“

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.

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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

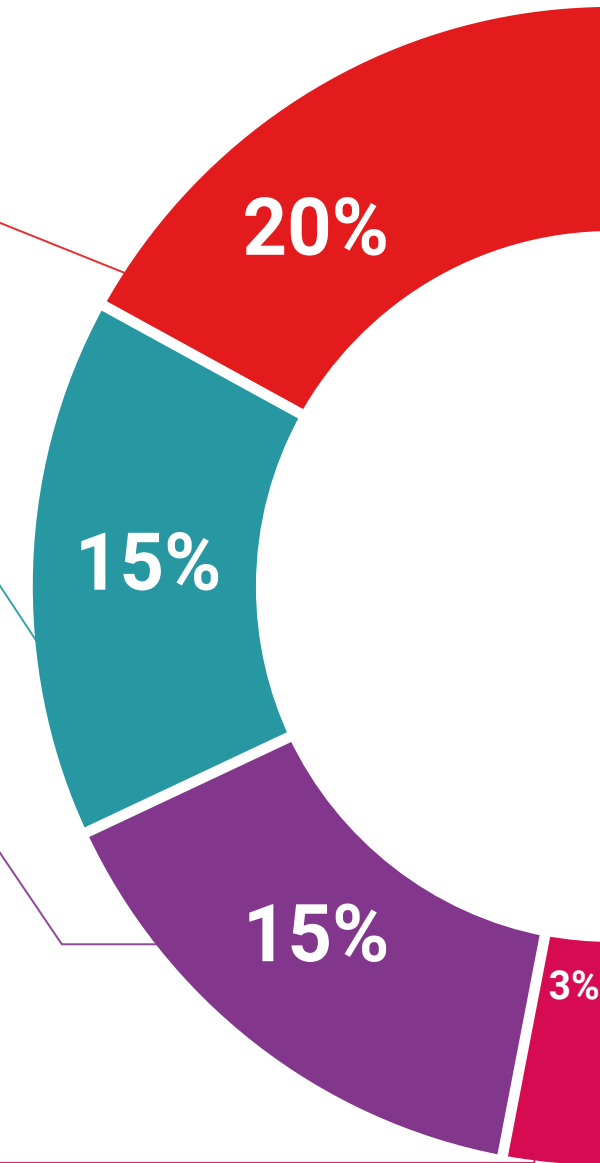
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

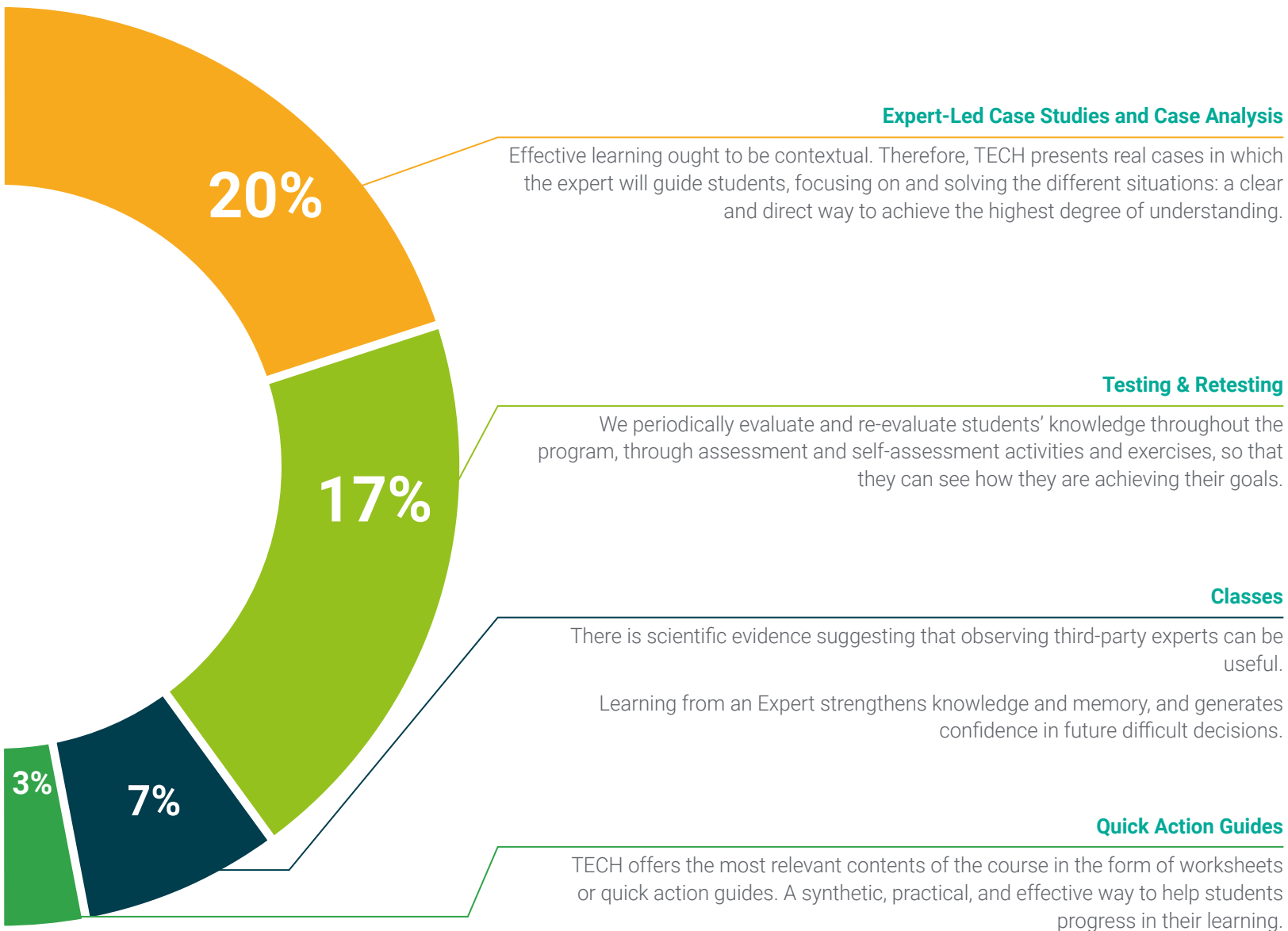
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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.





06 Certificate

The Postgraduate Diploma in Advanced Practice Nursing in Critical Care guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma 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 Diploma in Advanced Practice Nursing in Critical Care** 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 Diploma** issued by **TECH Technological University** via tracked delivery*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in Advanced Practice Nursing in Critical Care**

Official N° of hours: **450 h.**





Postgraduate Diploma
Advanced Practice
Nursing in Critical Care

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Duration: 6 months.

Certificate: TECH Technological University

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