

# Postgraduate Certificate Epilepsy for Nursing





## Postgraduate Certificate Epilepsy for Nursing

- » 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/epilepsy-nursing](http://www.techtute.com/us/nursing/postgraduate-certificate/epilepsy-nursing)

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Certificate

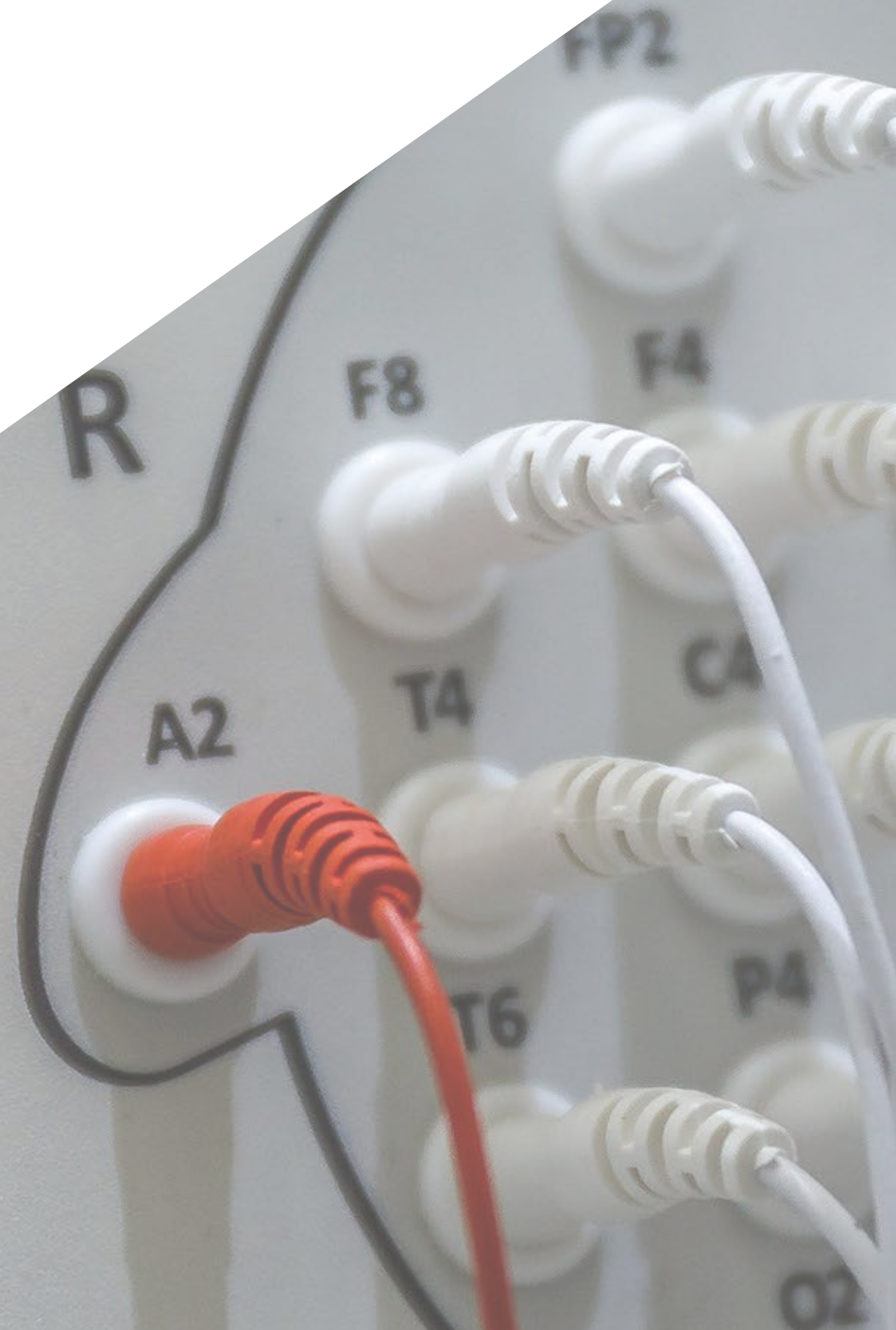
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# 01

# Introduction

Nursing care of neurological patients with epilepsy is one of the most common care that nurses encounter in their daily practice, so a program like this one is essential for professionals who want to deepen their knowledge in this area. Thus, this study plan proposes knowledge about this neurological disease and trains the student on the nursing methodology aimed at its care and specific treatments, which favor the quality of the nursing professional's work and improve patient satisfaction and autonomy. Therefore, it is necessary to establish the classification, symptomatology and possible causes of epilepsy, as well as the classification of epileptic seizures, since it is a disease that, if not controlled, causes a great loss of autonomy.







*This program is designed to provide you with the latest advances and developments in treatment and nursing care in one of the most common neurological diseases: Epilepsy"*

This program delves into the management of one of the most common neurological diseases: epilepsy. About 50 million people suffer from this disease around the world. Therefore, it is necessary to establish the classification, symptomatology and possible causes of epilepsy, as well as the classification of epileptic seizures. It is a disease that, if not controlled, causes a great loss of autonomy.

On the other hand, in recent years new antiepileptic drugs have appeared that have the same ability to control seizures, but with fewer side effects. These treatments will be described in the Postgraduate Certificate, as well as other different surgical procedures in drug resistant patients, which greatly reduce the percentage of crises. For this we will see how the use of EEG video diagnosis influences, which in some cases makes it possible to locate the epileptogenic focus and suppress it with surgery, reducing seizures by 80%.

Finally, specific nursing care in Epilepsy is defined, in such a way that this knowledge is integrated to be able to perform a specific assessment by functional patterns and diagnose according to NANDA taxonomy, planning outcome criteria based on NOC taxonomy and nursing interventions in accordance with NIC taxonomy.

In addition, as it is a 100% online diploma, it provides the student with the ease of being able to take it comfortably, wherever and whenever they want. All you need is a device with internet access to take your career one step further. A modality according to the current times with all the guarantees to position the nurse in a highly demanded area.

This **Postgraduate Certificate in Epilepsy for Nursing** contains the most complete and up to date curriculum on the market. The most important features of the program include:

- ♦ Development of more than 100 case studies presented by experts in neurological nursing
- ♦ Its graphic, schematic and eminently practical contents, which are designed to provide essential scientific and assistance information for professional practice
- ♦ Latest developments in neurological nursing
- ♦ Contains practical exercises
- ♦ Theoretical lessons, questions to the expert and clinical cases for individual reflection
- ♦ Availability of content from any fixed or portable device with internet connection
- ♦ Multimedia content developed with the latest educational technology, which will allow the professional a situated and contextual learning, i.e. a simulated environment that will provide an immersive learning programmed to train in real situations



*You will learn the influence of the use of video EEG diagnosis, which in some cases allows locating the epileptogenic focus and suppressing it with surgery, reducing seizures by 80%"*

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*What are the causes of Epilepsy and how is it treated? This Postgraduate Certificate gives you the answers and the latest advances in the healthcare sector focused on this neurological disease”*

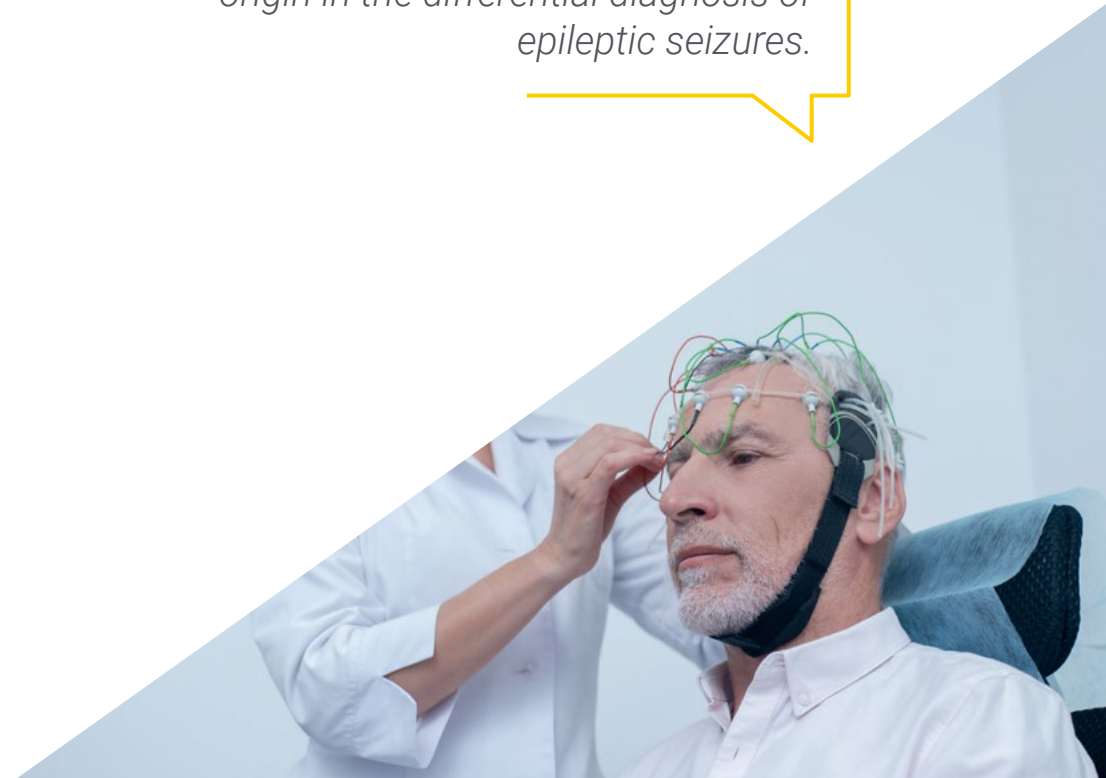
The program's teaching staff includes professionals from the sector who contribute their work experience to this training program, as well as renowned specialists from leading societies and prestigious universities.

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 during the academic year. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts.

*You will deepen in the pharmacological treatment of Epilepsy, knowing its indications according to the type of Epilepsy and acting with rigor and knowledge of the cause.*

*Specialize with this program and learn to differentiate syncope and non epileptic events of psychogenic origin in the differential diagnosis of epileptic seizures.*





# 02 Objectives

The Postgraduate Certificate in Epilepsy for Nurses is aimed at facilitating the performance of nurses dedicated to the treatment and care of patients with this neurological disease. This requires a high level of competence and training to avoid possible complications and improve the level of self care, as well as a thorough knowledge of how to deal with an epileptic seizure. With this Postgraduate Certificate, the nurse will be trained in the treatment required by patients in this area, with rigor and professionalism, in order to achieve the following proposed objectives, distributed in general and specific, for greater satisfaction of the future graduate on the way to his or her professional goal.







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*If you need to know and expand your knowledge about the classification and etiopathogenesis of epilepsy, this program is for you"*



## General Objectives

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- ♦ Learn and integrate general nursing care in the main neurological pathologies
- ♦ Perform standardized care plans, acquiring knowledge on how to perform nursing assessments according to functional patterns and use NANDA-NIC-NOC nursing taxonomy for care planning and evaluation
- ♦ Acquire knowledge and fundamentals of the pathophysiology of cerebrovascular diseases, epilepsy, movement disorders, multiple sclerosis, dementia, headache, neuromuscular diseases, neurological oncology and CNS infectious diseases and integrate them into nursing practice
- ♦ Understand the Necessary Knowledge in Physiopathology of Neurological Diseases
- ♦ To have an in depth knowledge of the most up to date basic medical surgical treatments the most up to date
- ♦ In depth knowledge of diagnostic taxonomy to formulate nursing diagnoses, outcome criteria and nursing interventions





## Specific Objectives

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- ◆ Know and expand knowledge about the classification and etiopathogenesis of epilepsy
- ◆ Provide and expand knowledge in diagnostic tests
- ◆ Know in depth the specific nursing care in epilepsy
- ◆ Integrate nursing care into daily practice by following standardized care plans according to nursing taxonomies

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*Learn in depth the specific nursing care in Epilepsy and stand out professionally in this health sector”*



03

# Course Management

In its maxim of offering an elite education for all, TECH relies on renowned professionals to provide the student with a solid knowledge in nursing focused Epilepsy care. For this reason, this Postgraduate Certificate has a highly qualified team with extensive experience in the sector, which will offer the best tools for the student in the development of their skills during the Postgraduate Certificate. In this way, the student has the guarantees required to specialize in an environment that requires precision and determination, oriented to the well being and improvement of the patient, with full attention to their evolution.







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*Nursing professionals accompany you in this program so that you can learn all about Epilepsy in order to perform your duties successfully”*

## Management



### Dr. Cano Manchón, Antonio Rafael

- ♦ Nursing Supervisor of the Neurology-Neurosurgery- Stroke Unit of the University Hospital La Princesa
- ♦ Associate Professor of the Faculty of Nursing at the Autonomous University of Madrid, belonging to the Faculty of Medicine
- ♦ Degree in Nursing

## Professors

### Ms. González García, Beatriz

- ♦ Nurse Assistant in the Neurology-Neurosurgery- Stroke Unit of the University Hospital La Princesa
- ♦ Advanced Practice Nurse Practitioner in Movement Disorders and Parkinson's Disease Specialty Nursing Practice
- ♦ Degree in Nursing



# 04

## Structure and Content

The structure of the contents of this Postgraduate Certificate has been designed by a team of nursing professionals from a leading hospital in neurological care at all levels, aware of the relevance of the current relevance of specialization in the knowledge of the most common neurological disease, Epilepsy. Thus, they warn of the need to have nurses qualified in the treatment of this pathology and associated disorders, which is why they have designed this program.







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*TECH, in its commitment to quality teaching through new educational technologies, has established together with the best professionals this curriculum for you to succeed in your nursing specialization"*

## Module 1. Epilepsy

- 1.1. Epilepsy Classification
  - 1.1.1. Idiopathic Epilepsy
  - 1.1.2. Structural Epilepsy
  - 1.1.3. Epilepsy of Unknown Origin
- 1.2. Symptomatology and Classification of Epileptic Crises
  - 1.2.1. Signs and Symptoms
  - 1.2.2. Focal Origin
  - 1.2.3. Generalized Origin
  - 1.2.4. Unknown Origin
- 1.3. Causes of Epilepsy
  - 1.3.1. Casuistry
- 1.4. Diagnostic Tests in Epilepsy
  - 1.4.1. EEG
  - 1.4.2. Video-EEG Diagnosis
  - 1.4.3. Neuroimaging
- 1.5. Differential Diagnosis of Epileptic Seizures
  - 1.5.1. Syncope and Non Epileptic Events of Psychogenic Origin
- 1.6. Status Epilepticus
  - 1.6.1. ICU Admission Criteria
- 1.7. Refractory Epilepsy
  - 1.7.1. Pre Surgery Evaluation
  - 1.7.2. Epilepsy Surgery
- 1.8. Pharmacological Treatment of Epilepsy
  - 1.8.1. Indications for Treatment According to Type of Epilepsy
  - 1.8.2. Side effects:
- 1.9. Nursing Care in Epilepsy
  - 1.9.1. Specific Crisis Care
  - 1.9.2. Specific Care in Epilepsy Surgeries
- 1.10. Standardized NANDA-NIC-NOC Care Plans.
  - 1.10.1. Nursing Assessment by Gordon Functional Patterns
  - 1.10.2. Nursing Diagnoses NANDA Taxonomy
  - 1.10.3. Care Planning According to NIC-NOC Taxonomy





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*Do not hesitate, this specialization in Epilepsy for Nurses will bring you personal and professional satisfaction and will guide you towards your career goal with success"*

05

# Methodology

This training program offers 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. 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, 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 Harvard 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 high 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

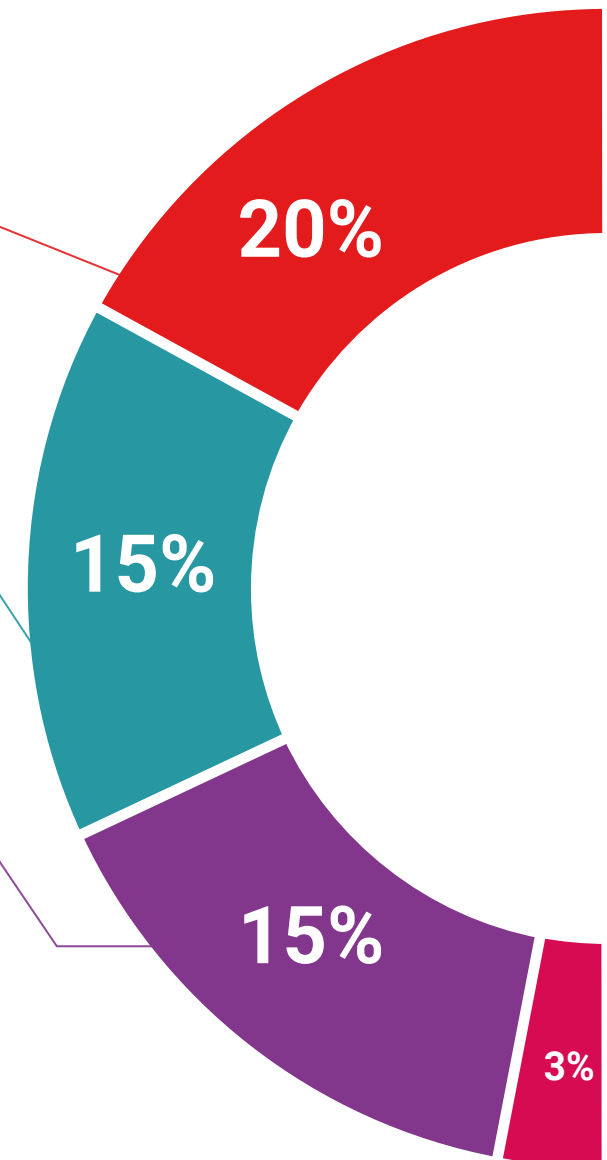
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive multimedia content presentation training Exclusive system was awarded by Microsoft as a "European Success Story".

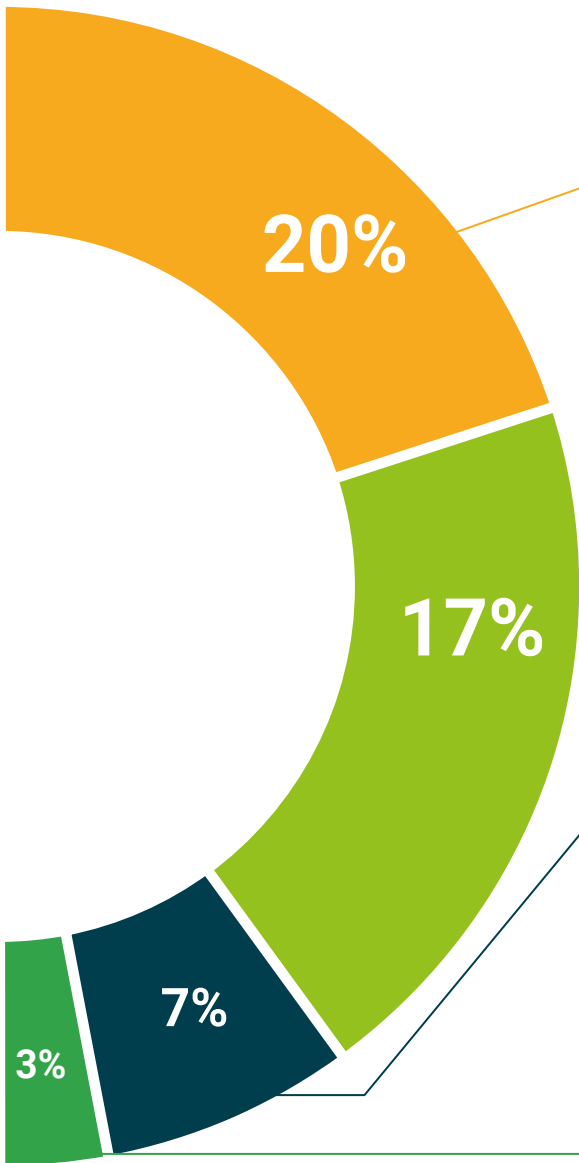


### Additional Reading

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 Epilepsy for Nursing 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 training  
and receive your university degree  
without travel or laborious paperwork”*



This private qualification will allow you to obtain a **Postgraduate Certificate in Epilepsy for Nursing** 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 Epilepsy for Nursing**

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 Epilepsy for Nursing

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