

Postgraduate Certificate Neurodegenerative Diseases





Postgraduate Certificate Neurodegenerative Diseases

- » 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/neurodegenerative-diseases

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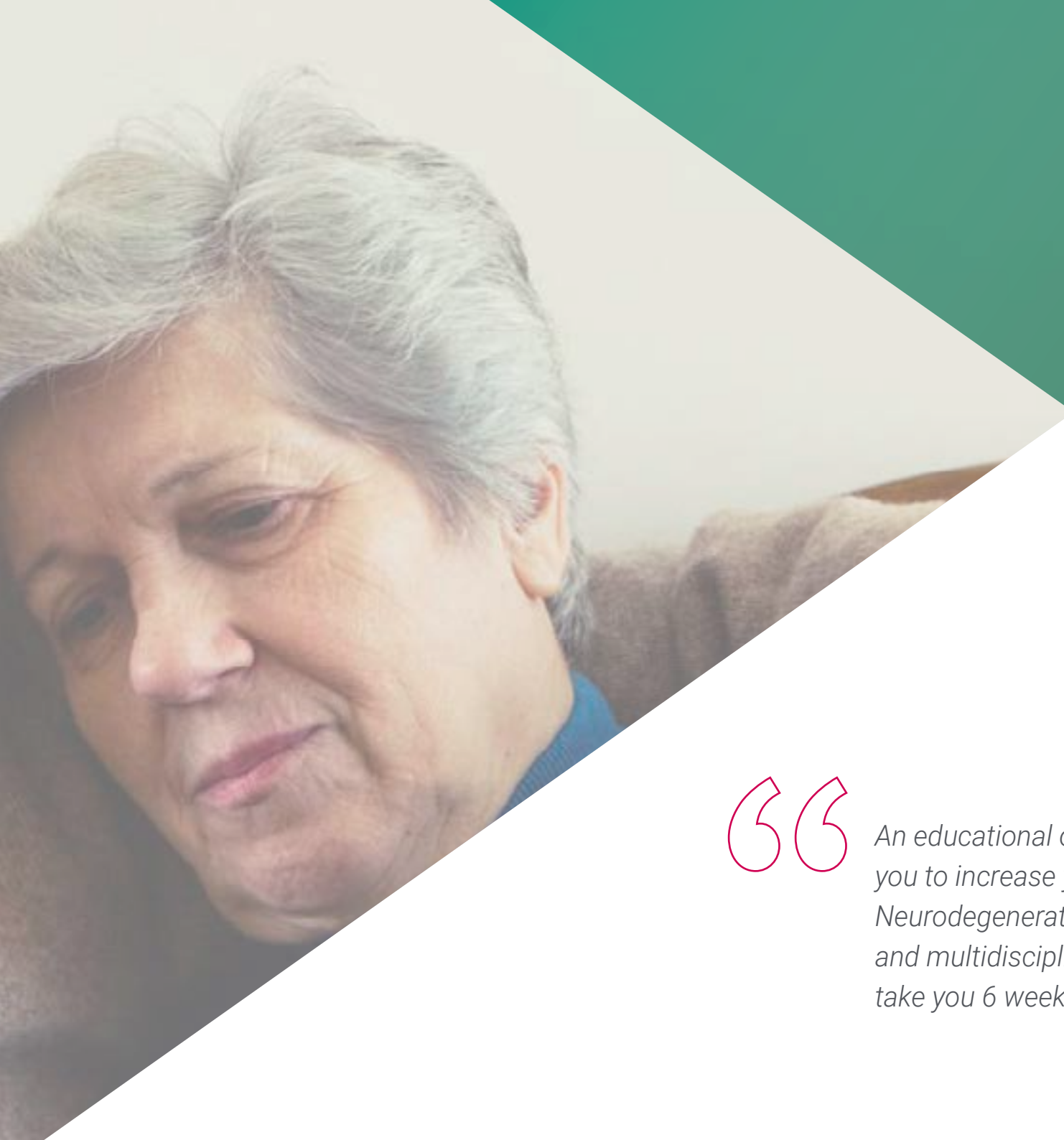
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01

Introduction

The deterioration of neurological abilities in the aging population is one of the main concerns of nursing. Providing adequate care to patients suffering from Alzheimer's, Parkinson's or Huntington's disease is essential to improve their quality of life. Nurses and other clinical professionals are directly involved in this task. For this reason, it is essential that specialists who must provide their services to patients know how to foresee and identify the symptoms of these pathologies in an early manner. For this reason, TECH offers a program that instructs nurses in this area, through a 100% online modality that allows a personalized adaptation of the study and guarantees a correct follow-up of the subject through theoretical-practical exercises.





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An educational option that will allow you to increase your knowledge about Neurodegenerative Diseases in a simple and multidisciplinary way that will only take you 6 weeks of study"

Many abilities related to the progressive loss of autonomy require early diagnosis and specialized treatments based on the latest scientific evidence in this field. Also, the lack of treatments that can solve these problems definitively, requires optimal healthcare that allows to live with the disease and improve the quality of life of patients. In this sense, nurses can positively influence the control of the pathology and its symptomatology.

For this reason, TECH offers the Postgraduate Certificate in Neurodegenerative Diseases. This is a complete and rigorous program that addresses the biological foundations of neuronal diseases. The program aims to broaden and update the knowledge of nursing graduates in this type of pathology, so that they can participate in the improvement of symptoms, increase the mobility of the affected person or relieve pain. In this way, not only will they be able to guarantee clinical management based on the latest trends in the sector, but they will also be able to perfect their skills to improve the quality of life of their patients.

Likewise, nurses will be able to access an exclusive and additional *Masterclass*, developed by an internationally renowned expert in Clinical Neuropsychology. This opportunity will allow professionals to expand their knowledge and practical skills in the diagnosis and treatment of patients with neuropsychological pathologies, all guaranteed by the quality of TECH.

To achieve this, the specialists have at their disposal this multidisciplinary program, thanks to which they will be able to perfect their skills in the clinical management of patients suffering from these conditions. All this, through a 100% online program, which includes 150 hours of the best theoretical, practical and additional material. In addition, TECH has a team of expert nurses in the neurological area, who will guide the student's study and guide them, solving all the questions that arise on the subject.

This **Postgraduate Certificate in Neurodegenerative Diseases** contains the most complete and updated scientific program on the market. Its most notable features are:

- ♦ The development of practical cases presented by experts in Nursing and Neurology.
- ♦ The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning.
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments.
- ♦ The availability of access to the contents from any fixed or portable device with an Internet connection.



Get a thorough understanding of the characteristics and symptomatology of the biological problems that cause neurological conditions"

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A specialist of international prestige in Clinical Neuropsychology has developed a unique Masterclass, of the highest quality, with which you will be able to update your daily praxis”.

The program’s teaching staff includes professionals from the field who contribute their work experience to this educational 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 education programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby students must try to solve the different professional practice situations that arise throughout the program. To do so, they will be assisted by an innovative interactive video system created by recognized experts.

A program that offers you the keys to learn about the latest scientific evidence related to cognitive reserve and its functionality.

TECH has developed a program designed to update your knowledge in diseases such as multiple sclerosis and different types of dementia.



02 Objectives

This Postgraduate Certificate aims to expand and update the knowledge of graduates in Nursing focusing on cognitive reserve and its importance in aging, as well as the different neurodegenerative diseases and the application of the latest technological tools. All this, through a 100% online modality, which adapts the pace of study to the personal and professional needs of each specialist. Additionally, it has audiovisual contents that make the course a dynamic and enriching academic experience.



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It delves into the distinction and contextualization of the different neurodegenerative diseases, thanks to a team of professionals specialized in the area"



General Objectives

- ◆ Know in detail the psychological tools for psychotherapeutic diagnostics that are currently obtaining the best results
- ◆ Develop a broad and updated knowledge about the different Neurodegenerative Diseases

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A program designed for nurses like you, who want to catch up by meeting clinical demands and optimizing healthcare based to the latest developments in Neurodegenerative Diseases”





Specific Objectives

- ◆ Analyze how cognitive reserve affects aging and mental health
- ◆ Explore different neurological disorders, such as Multiple Sclerosis and Amyotrophic Lateral Sclerosis
- ◆ Know the main characteristics of movement disorders such as Parkinson's Disease
- ◆ Understand the aging process and its effects on cognition

03

Course Management

The team of instructors for this program is made up of passionate and highly specialized experts in the study of the complex relationship between the mind and the brain. Their background includes extensive clinical experience, along with an evident enthusiasm for communicating their wisdom in a clear and accessible manner. More than simply imparting knowledge, their educational approach focuses on equipping graduates with tools, both theoretical and practical, to thoroughly understand neuropsychological principles and apply them skillfully in clinical settings.





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The commitment of the faculty is reflected in their relentless pursuit of up-to-date information and their unwavering dedication to the growth of their students.”

International Guest Director

Dr. Steven P. Woods is a leading neuropsychologist internationally recognized for his outstanding contributions to improving **clinical detection**, **prediction** and **treatment** of real-world health outcomes in **diverse neuropsychological populations**. He has forged an exceptional career path, which has led him to publish more than 300 articles and to serve on editorial boards in 5 major editorial boards in 5 major **Clinical Neuropsychology** journals.

His excellent scientific and clinical work focuses primarily on the ways in which **cognition** can hinder and support **daily activities health and well-being** in adults with **chronic medical conditions**. Other areas of scientific relevance, for this expert, also include **health literacy**, **apathy**, **intra-individual variability** and **Internet navigation skills**. His research projects are funded by the **National Institute of Mental Health (NIMH)** and the **National Institute on Drug Abuse (NIDA)**.

In this regard, Dr. Woods' research approach examines the application of **theoretical models** to elucidate the role of **neurocognitive deficit s** (e.g., memory) in **everyday functioning** and **health literacy** in people affected by **HIV** and **aging**. Therefore, his interest focuses, for example, on how people's ability to "Remember to Remember", known as **prospective memory**, influences health-related **salud behaviors**, such as **medication adherence**. This multidisciplinary approach is reflected in his groundbreaking research, available on **Google Scholar** and **ResearchGate**.

He has also founded the **Clinical Neuropsychology Service** at **Thomas Street Health Center**, where he holds a senior position as **Director**. Here, Dr. Woods provides **Clinical Neuropsychology** services to people affected by **HIV**, providing critical support to communities in need and reaffirming the communities in need and reaffirming his commitment to the practical application of his research to improve lives.



Dr. Woods, Steven P.

- Director of the Neuropsychology Service at the Thomas Street Health Center, Houston, United States
- Collaborator in the Department of Psychology, University of Houston
- Associate Editor at Neuropsychology and The Clinical Neuropsychologist
- Ph.D. in Clinical Psychology with a specialization in Neuropsychology Norfolk State University
- B.A. in Psychology from Portland State University.
- Member of: National Academy of Neuropsychology and American Psychological Association (Division 40: Society for Clinical Neuropsychology)

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*Thanks to TECH you
will be able to learn with
the best professionals
in the world"*

04

Structure and Content

The content of this Postgraduate Certificate in Neurodegenerative Diseases has been developed together with a team of experts in Neurology so that the syllabus has the rigor demanded by the most experienced nurses. The program has a 100% online thematic structure that is supported by audiovisual materials and applies the most advanced techniques, such as the *Relearning* methodology. In this way, students will be able to progressively follow the subject without having to invest long hours of study. In addition, thanks to the downloadable content, the user can choose the time and place to work on the subject, even without an Internet connection.





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Improve your skills through the management of patients with Huntington's disease, thanks to a program that will give you the keys to address its origin and diagnosis"

Module 1. Neurodegenerative Diseases

- 1.1. Normal Aging
 - 1.1.1. Basic Cognitive Processes in Normal Aging
 - 1.1.2. Superior Cognitive Processes in Normal Aging
 - 1.1.3. Attention and Memory in Elderly People with Normal Aging
- 1.2. Cognitive Reserve and its Importance in Aging
 - 1.2.1. Cognitive Reserve: Definition and Basic Concepts
 - 1.2.2. Functionality of Cognitive Reserve
 - 1.2.3. Influencing Variables in Cognitive Reserve
 - 1.2.4. Interventions Based on Improving Cognitive Reserve in the Elderly
- 1.3. Multiple Sclerosis
 - 1.3.1. Concepts and Biological Foundations of Multiple Sclerosis
 - 1.3.2. Characteristics and Symptomology
 - 1.3.3. Patient Profile
 - 1.3.4. Assessment and Diagnosis
- 1.4. Amyotrophic Lateral Sclerosis
 - 1.4.1. Concepts and Biological Foundations of Amyotrophic Lateral Sclerosis (ALS)
 - 1.4.2. Characteristics and Symptomology
 - 1.4.3. Patient Profile
 - 1.4.4. Assessment and Diagnosis
- 1.5. Parkinson's Disease
 - 1.5.1. Concepts and Biological Foundations of Parkinson's Disease
 - 1.5.2. Characteristics and Symptomology
 - 1.5.3. Patient Profile
 - 1.5.4. Assessment and Diagnosis





- 1.6. Huntington's Disease
 - 1.6.1. Concepts and Biological Foundations of Huntington's Disease
 - 1.6.2. Characteristics and Symptomology
 - 1.6.3. Patient Profile
 - 1.6.4. Assessment and Diagnosis
- 1.7. Dementia of the Alzheimer Type
 - 1.7.1. Concepts and Biological Foundations of Dementia of the Alzheimer Type
 - 1.7.2. Characteristics and Symptomology
 - 1.7.3. Patient Profile
 - 1.7.4. Assessment and Diagnosis
- 1.8. Pick's Dementia
 - 1.8.1. Concepts and Biological Foundations of Pick's Dementia
 - 1.8.2. Characteristics and Symptomology
 - 1.8.3. Patient Profile
 - 1.8.4. Assessment and Diagnosis
- 1.9. Lewy Body Dementia
 - 1.9.1. Concepts and Biological Foundations of Lewy Body Dementia
 - 1.9.2. Characteristics and Symptomology
 - 1.9.3. Patient Profile
 - 1.9.4. Assessment and Diagnosis
- 1.10. Vascular Dementia
 - 1.10.1. Concepts and Biological Foundations of Vascular Dementia
 - 1.10.2. Characteristics and Symptomology
 - 1.10.3. Patient Profile
 - 1.10.4. Assessment and Diagnosis

05 Methodology

This 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

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

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 prepared more than 175,000 nurses with unprecedented success in all specialties regardless of practical workload. Our educational 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 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 them 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, they can watch them as many times as they 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.

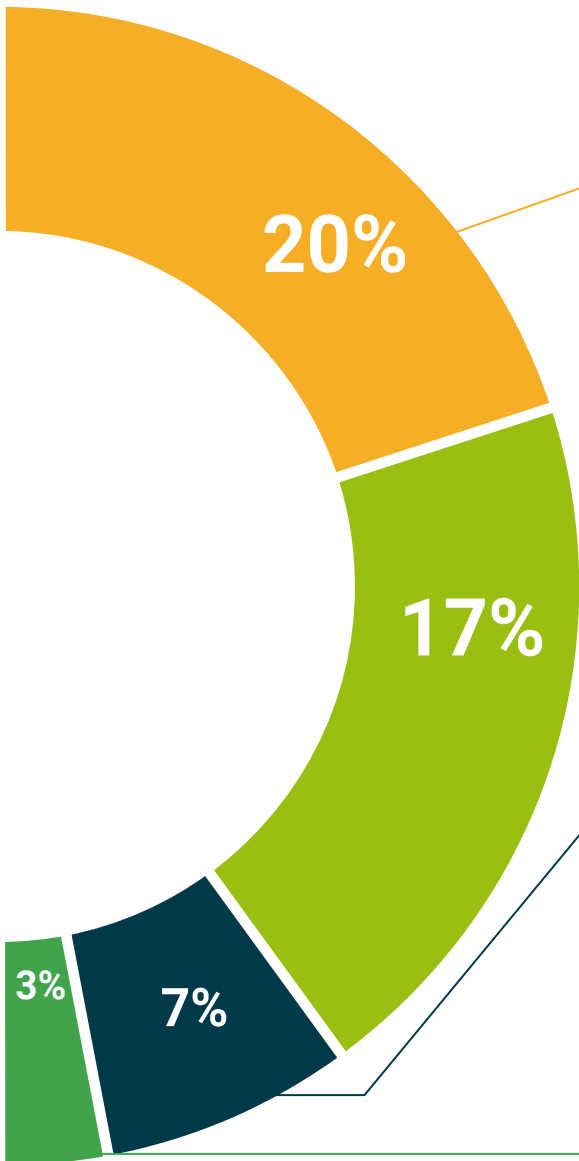
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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 Neurodegenerative Diseases guarantees, in addition to the most accurate and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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

This program will allow you to obtain a **Postgraduate Certificate in Neurodegenerative Diseases** 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 title**, 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 Neurodegenerative Diseases**

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.



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