

# Postgraduate Certificate Neurodegenerative Diseases





## Postgraduate Certificate

### Neurodegenerative Diseases

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/psychology/postgraduate-certificate/neurodegenerative-diseases](http://www.techtute.com/us/psychology/postgraduate-certificate/neurodegenerative-diseases)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Methodology

---

*p. 20*

06

Certificate

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*p. 28*

# 01

# Introduction

The broad group of pathologies that fall within the category of Neurodegenerative Diseases includes a wide range, from Alzheimer's to Parkinson's, or Huntington's disease. Its affection to movement, language, memory, reasoning and many other abilities related to the progressive loss of autonomy, require early diagnosis, as well as specialized treatments based on the latest scientific evidence in this field. For this purpose, the specialist can avail themselves of this very complete and multidisciplinary program, thanks to which they will be able to update their knowledge and perfect their skills in the clinical management of patients suffering from these pathologies. All this through a 100% online qualification that includes 150 hours of the best theoretical, practical and additional material.





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*A versatile and multidisciplinary educational option with which you will be able to update your knowledge about Neurodegenerative Diseases in only 6 weeks”*

Diseases related to cerebral cognitive impairment have an added complexity associated with them, since despite numerous investigations over the decades, advances in diagnosis, treatment and the establishment of reliable causes have not been entirely enlightening. However, the truth is that nowadays, there are multiple strategies and therapeutic techniques that can help the patient to lead a better rhythm of life, positively influencing the control of the pathology and its symptomatology.

This is the case of people with Multiple Sclerosis, Parkinson's disease, dementia, or developed cognitive impairment, unfortunately very frequent in today's society. Based on this, TECH Technological University and its team of experts in Psychology have designed this Postgraduate Certificate in Neurodegenerative Diseases, a program that aims to serve as a guide to the specialist in their update. 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.

Through a dynamic, comprehensive and multidisciplinary syllabus, you can delve into the different pathologies mentioned above, with special emphasis on their characteristics and symptomatology, delving into the developments related to their diagnosis. All this through an online qualification distributed in 150 hours of the best theoretical, practical and additional content, which can be downloaded on any device with internet connection and from the beginning of the course, for consultation, even after completing this educational experience.

This **Postgraduate Certificate in Neurodegenerative Diseases** contains the most complete and up-to-date program on the market. The most important features include:

- ♦ Practical cases presented by experts in Psychology
- ♦ 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 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
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*Thanks to its convenient 100% online format, you will be able to catch up on the basic cognitive processes in normal aging from wherever you want and with a schedule fully adapted to your availability"*

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*A perfect program to learn in detail the latest scientific evidence related to cognitive reserve and its functionality, thanks to its exhaustive syllabus and the additional material it includes"*

The program's teaching staff includes professionals from sector who contribute their work experience to this 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 the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, students will be assisted by an innovative interactive video system developed by renowned experts.

*Through its multiple clinical cases, you will be able to work simulated in the management of ALS patients, applying the therapeutic strategies that are currently obtaining the best results.*

*TECH is synonymous with versatility: you can connect to the virtual classroom from any device with an internet connection, whether from a computer, a tablet or a cell phone.*



# 02

# Objectives

The objective of this course is none other than to provide students with all the academic tools that will enable them to achieve their own goals in their professional sector. TECH Technological University and its team of experts have invested dozens of hours in creating a complete, up-to-date, comprehensive and top-quality program, adapted to the most demanding market specifications. Therefore, by completing the course, the student will have acquired all the necessary skills to manage patients with Neurodegenerative Diseases with the total certainty that they are doing so on the basis of the latest evidence in the field of Psychology.







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*A perfect educational option to achieve the goals that, due to lack of time or opportunity, you have been putting off for a long time"*



## General Objective

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- ♦ Know in detail the psychological tools of diagnosis that are currently obtaining the best results
- ♦ Develop a broad and up-to-date knowledge of the different Neurodegenerative Diseases





## Specific Objectives

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- Learn about the principles of neurodegenerative diseases
- Differentiate between and contextualize the different neurodegenerative diseases
- Know the different types of dementia and learn how to differentiate between them

“*A qualification designed with the aim of exceeding the expectations of professionals like you, willing to invest their time in perfecting their skills in order to offer an even more complete and specialized psychological service*”



# 03

## Course Management

TECH is continually committed to academic excellence. For this reason, each of its programs has teaching teams of the highest reputation. These experts have extensive experience in their professional fields and, at the same time, have achieved significant results with their empirical research and fieldwork. In addition, these specialists play a leading role within the university qualification, as they are in charge of selecting the most up-to-date and innovative content to be included in the syllabus. In addition, they participate in the elaboration of numerous multimedia resources of high pedagogical rigor.



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*The teaching materials of this program, elaborated by these specialists, have contents that are completely applicable to your professional experiences”*

## 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 over 300 articles and serve on 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 explores the application of theoretical models to elucidate the role of neurocognitive deficits (e.g., memory) in everyday functioning and health literacy in people affected by HIV and aging. In this way, his interest focuses, for example, on how people's ability to "Remember to Remember", the so-called prospective memory, influences health-related 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 his commitment to the practical application of his research to improve lives.



## Dr. Woods, Steven P

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- ♦ Founder and Director of the Clinical Neuropsychology Service at the Thomas Street Health Center
- ♦ 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.S. in Psychology, Portland State University
- ♦ Member of:
  - ♦ National Academy of Neuropsychology
  - ♦ 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 use of the effective and innovative Relearning methodology in this and all the qualifications that make up the wide educational offer of TECH Technological University, has allowed to compile, in only 150 hours, all the information that the specialist needs to know to be up to date on everything related to Neurodegenerative Diseases and the involvement of Psychology in this field. In this Postgraduate Certificate you will not only find the most exhaustive syllabus, but you will also be able to work with high quality additional material presented in different formats, which will allow you to delve in a personalized way in those aspects that you consider most relevant.





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*Do you want to perfect your skills in the management of Huntington's Disease patients? Don't wait any longer and enroll in a qualification that can guarantee you will succeed"*

## 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



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*The perfect program to learn in detail about Vascular Dementia and expand your skills in the clinical management of patients with this pathology”*

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.



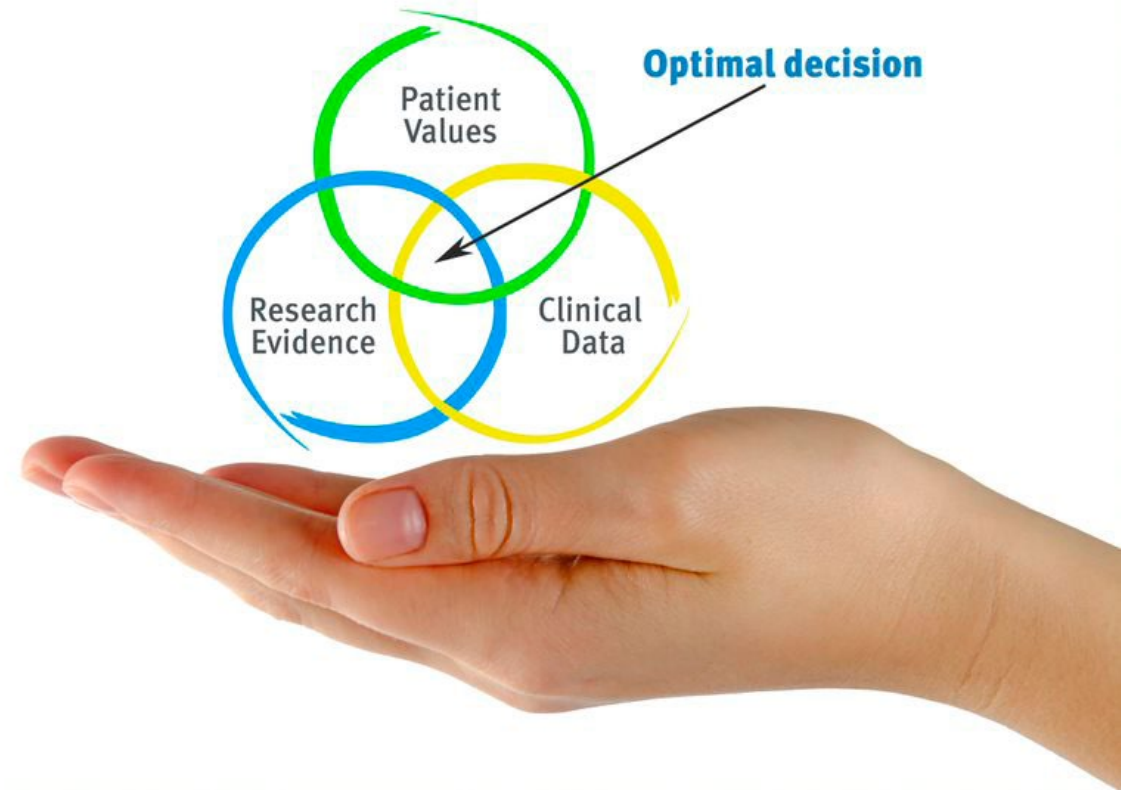
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH 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 the psychologist experiences a way of learning 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, trying to recreate the real conditions in the psychologist'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. Psychologists who follow this method not only master the assimilation of concepts, but also develop their mental capacity by means of exercises to evaluate real situations and apply their knowledge.
2. Learning is solidly translated into practical skills that allow the psychologist to better integrate knowledge into clinical practice.
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.

Our 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, which is a real revolution compared to the simple study and analysis of cases.

*The psychologist 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).

This methodology has trained more than 150,000 psychologists with unprecedented success in all clinical specialties. 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 training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for 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 our 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.



#### Latest Techniques and Procedures on Video

TECH introduces students to the latest techniques, to the latest educational advances, to the forefront of current psychology. 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

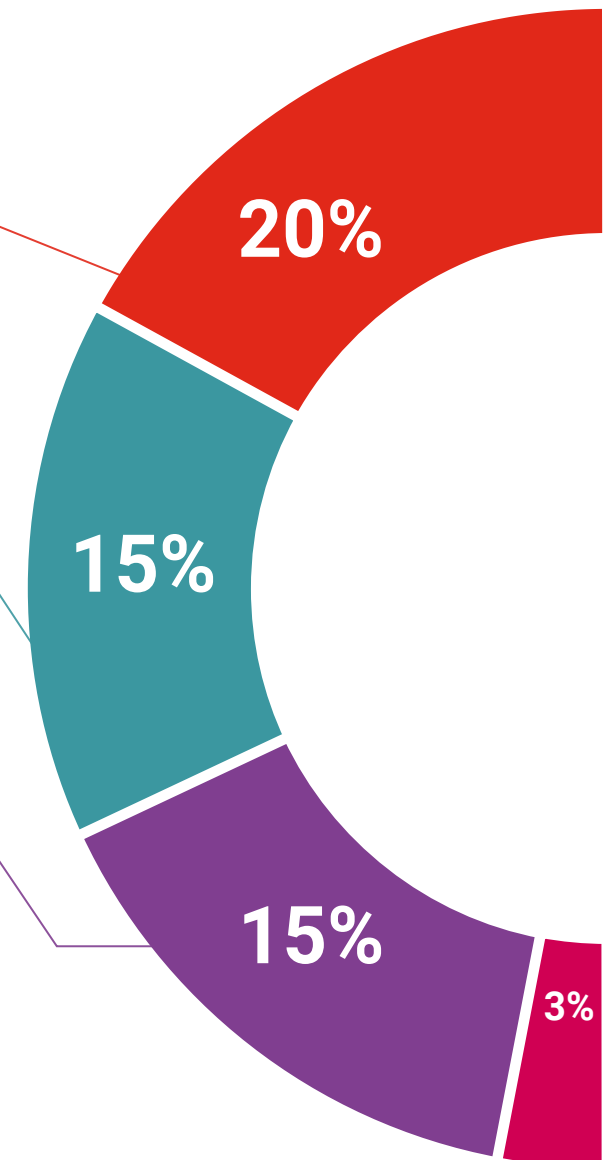
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

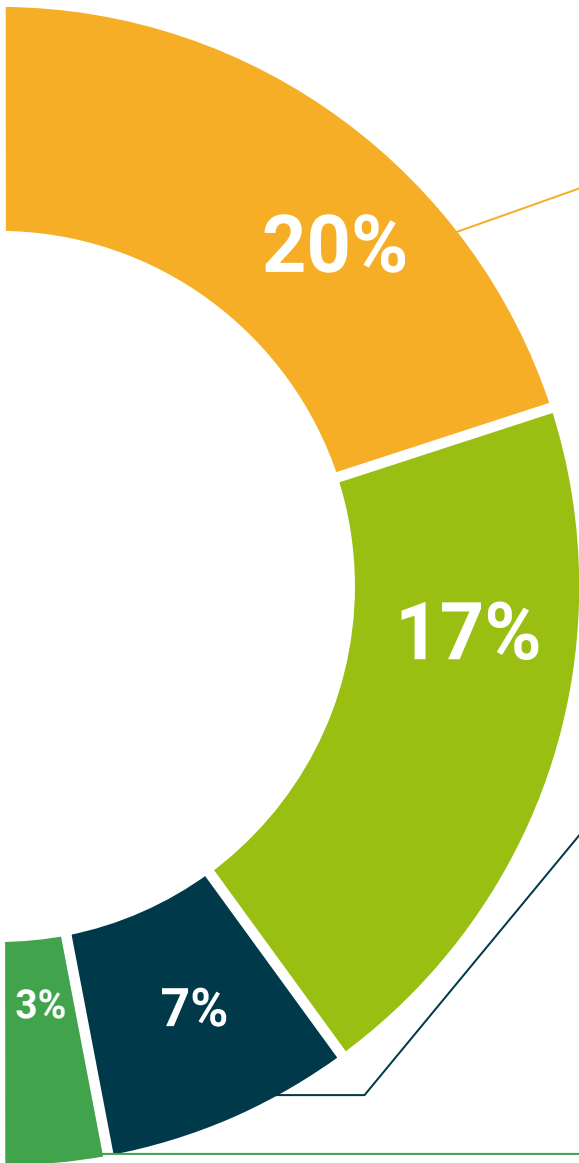
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### 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.





**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 Neurodegenerative Diseases 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 Neurodegenerative Diseases** 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 Neurodegenerative Diseases**

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.

future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

personalized service innovation

knowledge present quality

online training

development languages  
virtual classroom

**tech** technological  
university

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