

# Postgraduate Certificate

## Neuropsychological Assessment and Rehabilitation Techniques



## Postgraduate Certificate Neuropsychological Assessment and Rehabilitation Techniques

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitute.com/us/medicine/postgraduate-certificate/neuropsychological-assessment-rehabilitation-techniques](http://www.techtitute.com/us/medicine/postgraduate-certificate/neuropsychological-assessment-rehabilitation-techniques)

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# 01

# Introduction

Progress in the tools and techniques used in neuropsychological diagnosis has led to better detection in patients suffering from a condition or disease that alters their cognitive development. This effectiveness is coupled with studies and scientific research that have changed the landscape of this specialty. Given this scenario, it is necessary to have medical professionals with up-to-date knowledge. That is why this 100% online university degree was born, taught by a specialized teaching team with extensive professional experience in implementing therapeutic practices that, on many occasions, have led to considerable improvements in patients with these characteristics.







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*An advanced Postgraduate Certificate, which will take you to the most exhaustive knowledge about neuropsychological evaluation and rehabilitation techniques for 150 hours”*

Patients with attention deficits, memory, problems with language or who suffer different types of praxias or agnosias have seen how through of neuropsychology have advanced considerably. The techniques used for the evaluation of the patient and neuropsychological rehabilitation focus this Postgraduate Certificate in which specialized teachers in this field participate.

Through innovative educational material, medical professionals will be able to update their knowledge of the main instruments used in patients who suffer from some type of difficulty in their cognitive development. In addition to delving into the evaluation, this online program will allow you to explore the variables that intervene in the patient's recovery, as well as the different strategies to carry out depending on the characteristics of the pathology and the patients themselves.

A multidisciplinary program with a theoretical-practical approach where rehabilitation will have its space to offer the latest advances to the medical professional that have occurred in this field, as well as the most recent studies that support their application. The clinical cases presented by the teaching team that integrates this degree will be very useful in their daily professional performance.

Therefore, the professional is faced with an excellent opportunity offered by TECH Universidad Tecnológica for students who wish to update their knowledge through exclusively online and flexible teaching. You will only need an electronic device (computer, Tablet or mobile phone) with which to connect to the virtual platform, where the syllabus of the Postgraduate Certificate will be completely available. Thus, professionals will be able to access the content whenever and when they wish, while distributing the study load according to their needs. All this, in addition, with educational and innovative multimedia content and that is at the academic forefront.

This **Postgraduate Certificate in Neuropsychological Assessment and Rehabilitation Techniques** contains the most complete and up-to-date scientific 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 for 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



*A university program in which you can comfortably delve into restoration, compensation and mixed strategies"*

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*A 100% online program that will allow you to recycle your knowledge about the different variables involved in patient recovery”*

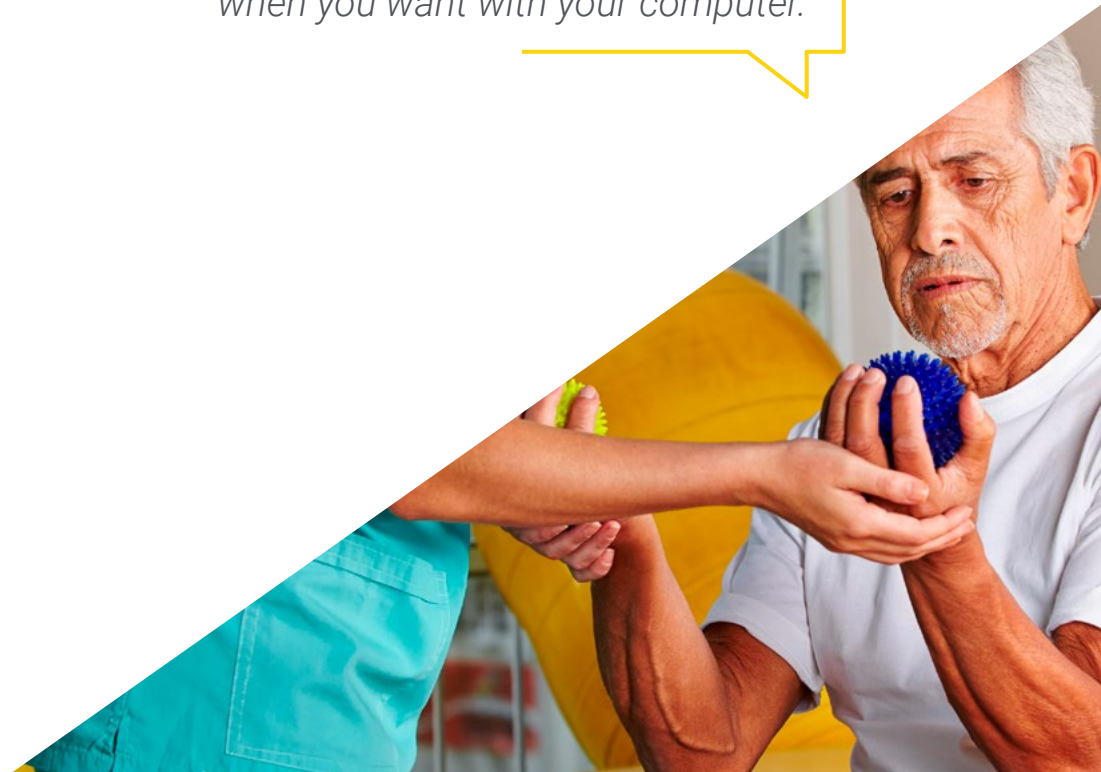
*During 150 class hours, you will be able to delve into rehabilitation techniques for attention, memory, executive functions and agnosia.*

*You will be able to access 24 hours a day to the entire syllabus of this Postgraduate Certificate, from and when you want with your computer.*

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.

Its 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 education designed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve different professional practice situations that are presented throughout the academic course. This will be done with the help of an innovative system of interactive videos made by renowned experts.





# 02 Objectives

The main goal of the Postgraduate Certificate in Neuropsychological Evaluation and Rehabilitation Techniques is to offer medical professionals the latest information in this area. In this way, at the end of this program, students will have renewed their knowledge about the different evaluation instruments used, as well as the most used rehabilitation techniques. All of this, taking into account the characteristics of the patient and the disease they are affected by. The teachers that make up this program will accompany the students in this process so that they can achieve their objectives.







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*You will be aware of the scientific studies that support the application of certain neuropsychological rehabilitation techniques”*



## General Objectives

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- ◆ Develop a specialized and up-to-date knowledge of the latest developments related to Neuropsychological Rehabilitation and its assessment strategies
- ◆ Handle the diagnostic tools that are currently having the best results







## Specific Objectives

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- ◆ Know the basics of neuropsychological assessment and rehabilitation
- ◆ Know the different assessment tools that exist within neuropsychology
- ◆ Know the different techniques in neuropsychological assessment

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*You will achieve the actualization you were looking for in just 6 weeks, thanks to the Relearning system used by TECH”*



# 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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*Make the most of this opportunity to surround yourself with expert professionals and learn from their work methodology”*

## International guest conductor

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

This Postgraduate Certificate has been designed by an expert teaching team in the field of Neuropsychology. A faculty that has shared its extensive knowledge in this area through an advanced and exhaustive syllabus, where students have video summaries, detailed videos, essential readings or simulations of real clinical cases with which the different techniques of evaluation and rehabilitation currently used will be explored. Likewise, the Relearning system, based on the repetition of content, will allow you to reduce the long hours of study that are so frequent in other teaching methods.







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*Delve into the main evaluation instruments in neuropsychology through multimedia content”*

## Module 1. Neuropsychological Assessment and Rehabilitation

- 1.1. Assessment of Attention and Memory
  - 1.1.1. Introduction to the Assessment of Attention and Memory
  - 1.1.2. Main Instruments
- 1.2. Language Evaluation
  - 1.2.1. Introduction to the Assessment of Language
  - 1.2.2. Main Instruments
- 1.3. Executive Functions Assessment
  - 1.3.1. Introduction to the Assessment of Executive Functions
  - 1.3.2. Main Instruments
- 1.4. Evaluation of Apraxia and Agnosia
  - 1.4.1. Introduction to the Assessment of Apraxia and Agnosia
  - 1.4.2. Main Instruments
- 1.5. Variables that Intervene in the Recovery of a Patient
  - 1.5.1. Risk Factors
  - 1.5.2. Protective Factors
- 1.6. Strategies: Restoration, Compensation and Mixed Strategies
  - 1.6.1. Restoration Strategies
  - 1.6.2. Compensation Strategies
  - 1.6.3. Mixed Strategies
- 1.7. Rehabilitation of Attention, Memory, Executive Functions and Agnosias
  - 1.7.1. Rehabilitation of Attention
  - 1.7.2. Rehabilitation of Memory
  - 1.7.3. Rehabilitation of Executive Functions
  - 1.7.4. Rehabilitation of Agnosias
- 1.8. Adapting to the Environment and External Support
  - 1.8.1. Adapting the Environment to Meet the Constraints
  - 1.8.2. How to Help the Patient in an External Way?







- 1.9. Biofeedback Techniques as Intervention
  - 1.9.1. Biofeedback: Definition and Basic Concepts
  - 1.9.2. Techniques that Use Biofeedback
  - 1.9.3. Biofeedback as an Intervention Method in Health Psychology
  - 1.9.4. Evidence on the Use of Biofeedback in the Treatment of Certain Disorders
- 1.10. Transcranial Magnetic Stimulation (TMS) as an Intervention
  - 1.10.1. Transcranial Magnetic Stimulation: Definition and Basic Concepts
  - 1.10.2. Functional Areas Considered Therapeutic Targets of Transcranial Magnetic Stimulation
  - 1.10.3. Results of Intervention through TMS in Health Psychology



*Delve into Biofeedback and EMT techniques and its use in the treatment of certain disorders with this Postgraduate Certificate"*

# 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.







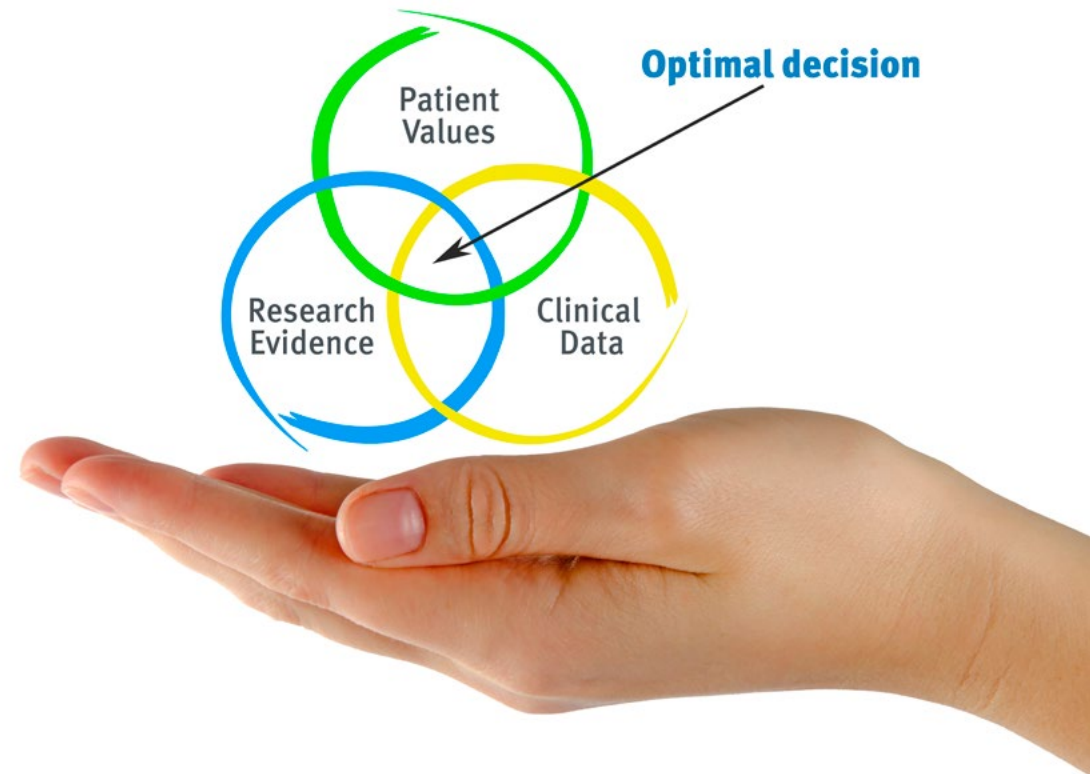
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## 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 you will experience 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 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.

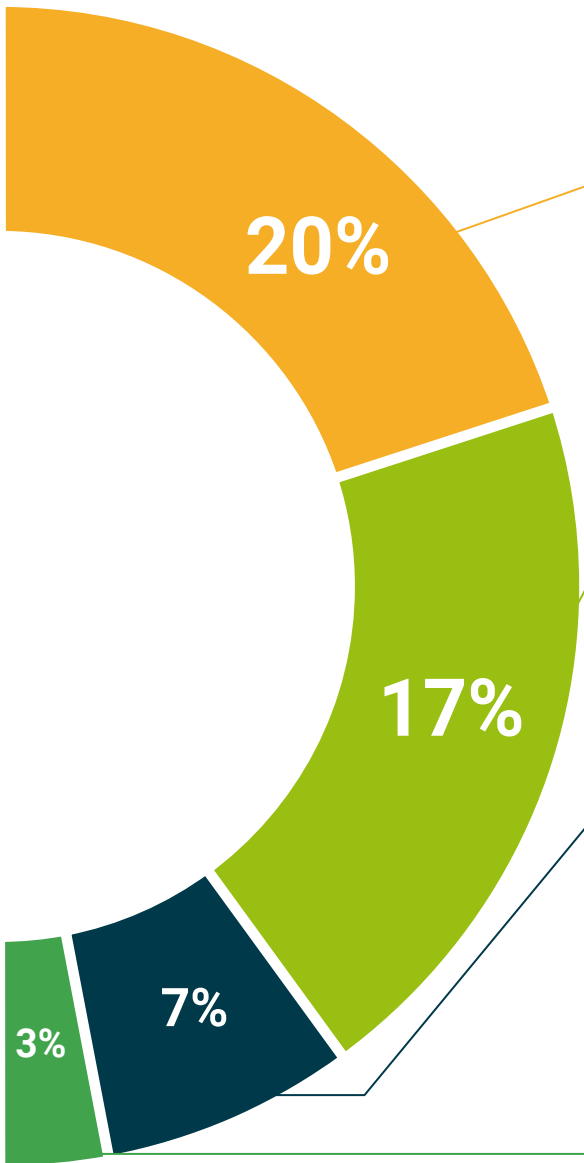
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### 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.





#### 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 on the usefulness of learning by observing experts. The system known as 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 Neuropsychological Assessment and Rehabilitation Techniques 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"*

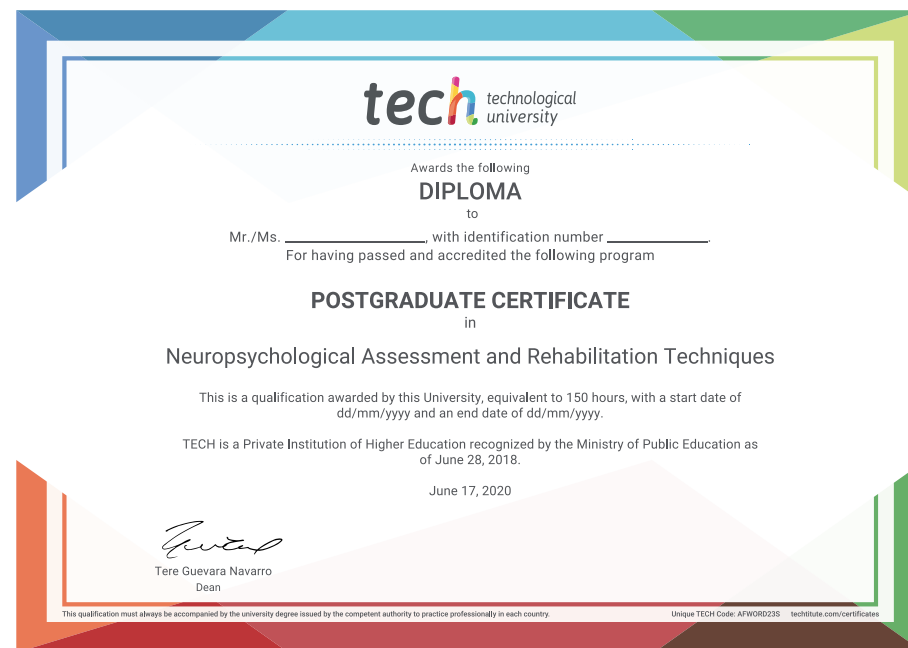
This **Postgraduate Certificate in Neuropsychological Assessment and Rehabilitation Techniques** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

The 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 Neuropsychological Assessment and Rehabilitation Techniques**

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  
community commitment  
personalized service innovation  
knowledge present  
development language  
virtual classroom



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