

Postgraduate Diploma

Cognitive Neuropsychology





Postgraduate Diploma Cognitive Neuropsychology

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

Website: www.techtitute.com/in/psychology/postgraduate-diploma/postgraduate-diploma-cognitive-neuropsychology

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01

Introduction

The application of Cognitive Neuropsychology in the study of the effects of brain damage, as well as in the diagnosis of neurodegenerative diseases such as Alzheimer's or Parkinson's, has allowed the establishment of highly effective treatments, positively influencing the quality of life of patients. This is a science in continuous growth and evolution, in which significant advances are made every year. For this reason, and with the aim that the specialist in this discipline can know in detail its new developments, TECH Technological University has developed this qualification. It is a complete, modern and dynamic program presented in a comfortable and accessible 100% online format, thanks to which the professional will be able to achieve their objectives from wherever they want and with a schedule fully adapted to their availability.





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Cognitive Neuropsychology is achieving real milestones in the diagnosis and treatment of neurodegenerative diseases. Expand your knowledge and offer your patients an even more effective service”

The specificity and effectiveness of Cognitive Neuropsychology techniques such as electroencephalography allow us to propose alternative surgical treatments, to inform about the effects that a certain drug is having on the brain or to handle clinical cases related to diseases such as schizophrenia or autism. It is a discipline that has evolved exponentially in recent years, expanding and perfecting its applications, but, above all, allowing millions of professionals to offer an austere, specialized and highly beneficial service to improve their quality of life.

In order for the graduate to have access to a qualification that allows them to know in detail these advances, as well as to be up to date with the psychological strategies that are obtaining the best results in this field, TECH Technological University has developed this very complete program. It is a multidisciplinary and 100% online program with which the specialist will be able to delve into cognitive functions and brain damage, with special emphasis on aphasia, agraphia and alexia. Finally, it will also delve into cognitive deficits according to their symptomatology, specifying the most effective treatments for each of them.

In this way, the graduate will be able to expand their knowledge and improve their professional skills through a program adapted to the latest developments in the discipline in a comfortable and accessible way, being able to decide at any time from where to connect and at what time. In addition, you will have dozens of hours of additional material in different formats with which you will be able to contextualize in a dynamic way the information developed in the syllabus, as well as to delve into each aspect that you consider most relevant for your professional development.

This **Postgraduate Diploma in Cognitive Neuropsychology** contains the most complete and up-to-date educational program on the market. The most important features include:

- ♦ The development of practical cases presented by experts in Psychology and Immunology
- ♦ 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



You will be able to delve into the latest discoveries related to cognitive functions, delving into the neurobiological bases, praxias, gnosias and social cognition”

“ *A program designed by experts in Neuropsychology thanks to which you will be able to obtain a broadly specialized and up-to-date knowledge on disorders and behaviors of genetic origin*”

The program's teaching staff includes professionals from the sector 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 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.

Would you like to know in detail the advances related to early brain injury disorders? Become an expert in this field in just 6 months.

A specific and innovative qualification with which you will be able to delve into the most common characteristics and types of head injuries.



02

Objectives

Given the importance that has developed in recent years the neuropsychological and cognitive intervention in patients with diseases that significantly affect their quality of life, such as Alzheimer's or Parkinson's, TECH Technological University has developed this Postgraduate Diploma so that the specialist of Psychology can know in detail the most recent and effective developments in this sector. Therefore, the objective of this program is to provide you with all the teaching tools you need to achieve this goal in the most effective way and in the shortest time possible.



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A program with which you will be able to delve into early brain injury and gain a comprehensive and up-to-date knowledge of the brain in early childhood”



General Objectives

- ♦ Know in detail the latest developments related to the advances that have been made in the field of Cognitive Neuropsychology
- ♦ Delve in a specialized way into Neuropsychology and the keys to its understanding
- ♦ Develop a broad and comprehensive knowledge of aphasia, agraphia and alexia

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If you are looking for a qualification that defines you as an expert in aphasia, agraphia and alexia, TECH is the best option, and this program is the perfect choice to achieve that goal"





Specific Objectives

Module 1. Cognitive Functions

- ♦ Know the most important cognitive functions
- ♦ Know and contextualize the neurobiological bases of the cognitive functions
- ♦ Know the principles and origins of cognitive functions

Module 2. Brain Injury

- ♦ Know and contextualize the basics of brain injury
- ♦ Know and differentiate between the different types of brain injury
- ♦ Learn the different disorders derived from brain injury

Module 3. Aphasias, Agraphias and Alexias

- ♦ Know and internalize the bases of aphasias, agraphias and alexias
- ♦ Know the classification and characteristics specific to aphasias, agraphias and alexias
- ♦ Know the evaluation and diagnosis of aphasias, agraphias and alexias

Module 4. Cognitive Deficiencies

- ♦ Know and contextualize the different cognitive deficiencies
- ♦ Classify the cognitive deficiencies according to their symptoms

03

Structure and Content

In order to elaborate this Postgraduate Diploma, TECH Technological University has not only taken into consideration the professional criteria of the teaching team, but has also applied the effective and innovative Relearning methodology in its development. Thanks to this, it has been possible to create a dynamic and up-to-date qualification, which includes the most exhaustive information on Cognitive Neuropsychology, as well as the latest scientific advances related to the diagnosis and treatment of its different diseases. In addition, in order to offer an educational experience that adapts to the requirements of all specialists, in the virtual classroom they will find a variety of additional material in different formats to delve into each aspect of the topics they consider most important.





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In the virtual classroom, you will find detailed videos, images, research articles and complementary readings to delve into the concepts you are most interested in”

Module 1. Cognitive Functions

- 1.1. Neurological Bases of Attention
 - 1.1.1. Introduction to the Concept of Attention
 - 1.1.2. Neurobiological Bases and Foundations of Attention
- 1.2. Neurobiological Bases of Memory
 - 1.2.1. Introduction to the Concept of Memory
 - 1.2.2. Neurobiological Bases and Foundations of Memory
- 1.3. Neurological Bases of Language
 - 1.3.1. Introduction to the Concept of Language
 - 1.3.2. Neurobiological Bases and Foundations of Language
- 1.4. Neurobiological Bases of Perception
 - 1.4.1. Introduction to the Concept of Perception
 - 1.4.2. Neurobiological Bases and Foundations of Perception
- 1.5. Visuospatial Neurobiological Bases
 - 1.5.1. Introduction to Visuospatial Functions
 - 1.5.2. Basis and Fundamentals of Visuospatial Functions
- 1.6. Neurobiological Basis of Executive Functions
 - 1.6.1. Introduction to Executive Functions
 - 1.6.2. Basis and Fundamentals of Executive Functions
- 1.7. Apraxias
 - 1.7.1. What are Apraxias?
 - 1.7.2. Features and Types
- 1.8. Gnosias
 - 1.8.1. What are Apraxias?
 - 1.8.2. Features and Types
- 1.9. Social Cognition
 - 1.9.1. Introduction to Social Cognition
 - 1.9.2. Characteristics and Theoretical Foundations

Module 2. Brain Injury

- 2.1. Neuropsychological and Behavior Disorders of Genetic Origin
 - 2.1.1. Genes, Chromosomes and Hereditary
 - 2.1.2. Genes and Behavior
- 2.2. Early Brain Injury Disorder
 - 2.2.1. The Brain in Early Childhood
 - 2.2.2. Pediatric Cerebral Palsy
 - 2.2.3. Psychosyndromes
 - 2.2.4. Learning Disorders
 - 2.2.5. Neurobiological Disorders that Affect Learning
- 2.3. Vascular Brain Disorders
 - 2.3.1. Introduction to Cerebrovascular Disorders
 - 2.3.2. Most Common Types
 - 2.3.3. Characteristics and Symptomology
- 2.4. Brain Tumors
 - 2.4.1. Introduction to Brain Tumors
 - 2.4.2. Most Common Types
 - 2.4.3. Characteristics and Symptomology
- 2.5. Cranioencephalic Traumas
 - 2.5.1. Introduction to Trauma
 - 2.5.2. Most Common Types
 - 2.5.3. Characteristics and Symptomology
- 2.6. Infections of the CNS
 - 2.6.1. Introduction the CNS Infections
 - 2.6.2. Most Common Types
 - 2.6.3. Characteristics and Symptomology
- 2.7. Epileptic Disorders
 - 2.7.1. Introduction to Epileptic Disorders
 - 2.7.2. Most Common Types
 - 2.7.3. Characteristics and Symptomology
- 2.8. Alterations in the Level of Consciousness
 - 2.8.1. Introduction to Altered Levels of Consciousness
 - 2.8.2. Most Common Types
 - 2.8.3. Characteristics and Symptomology



- 2.9. Acquired Brain Injury
 - 2.9.1. Concept of Acquired Brain Injury
 - 2.9.2. Most Common Types
 - 2.9.3. Characteristics and Symptomology
- 2.10. Disorders Related to Pathological Ageing
 - 2.10.1. Psychological Disorders Related to Pathological Ageing

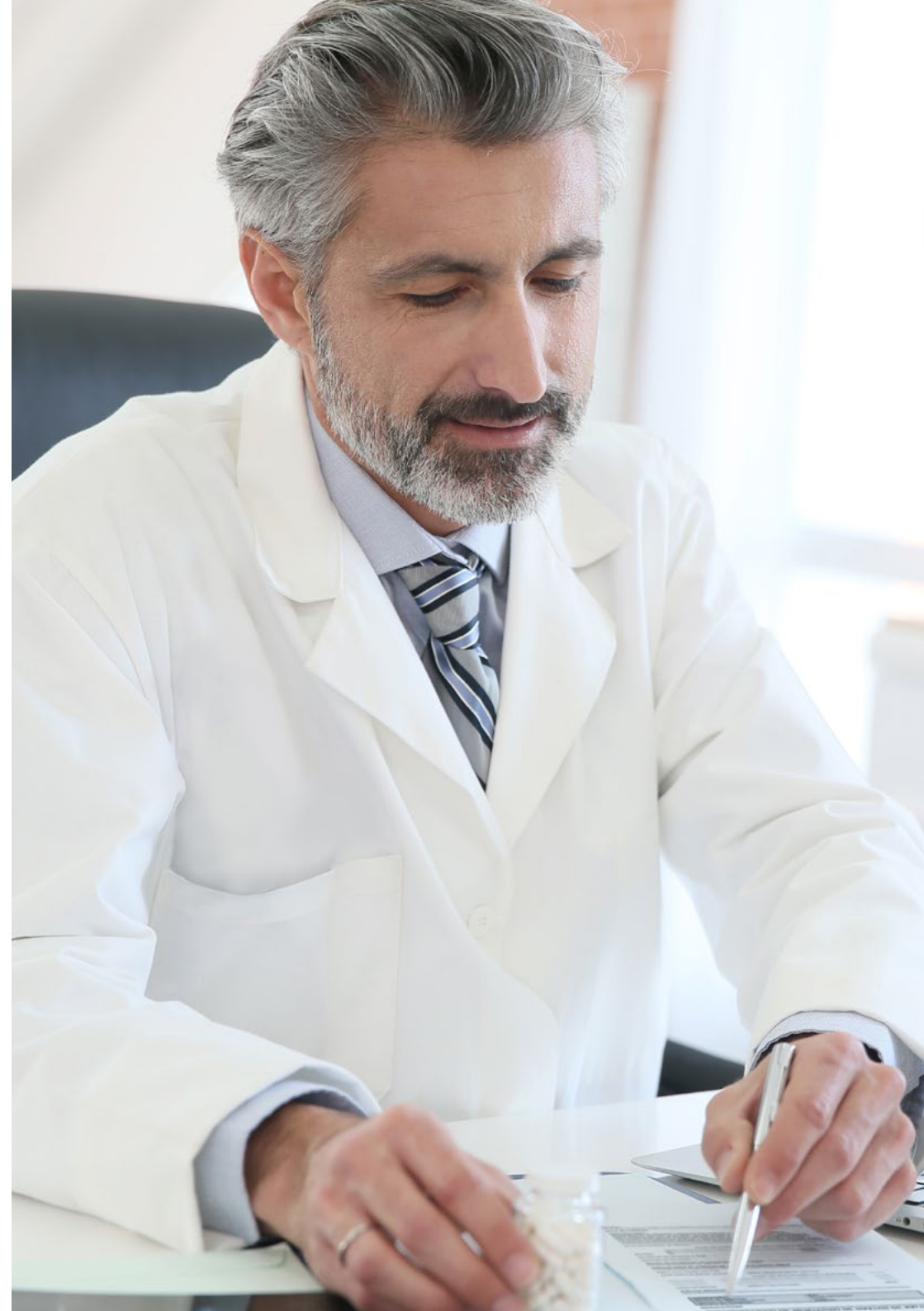
Module 3. Aphasias, Agraphias and Alexias

- 3.1. Broca's Aphasia
 - 3.1.1. Basis and Origin of Broca's Aphasia
 - 3.1.2. Characteristics and Symptomology
 - 3.1.3. Assessment and Diagnosis
- 3.2. Wernicke's Aphasia
 - 3.2.1. Basis and Origin of Wernicke's Aphasia
 - 3.2.2. Characteristics and Symptomology
 - 3.2.3. Assessment and Diagnosis
- 3.3. Conduction Aphasia
 - 3.3.1. Basis and Origin of Conduction Aphasia
 - 3.3.2. Characteristics and Symptomology
 - 3.3.3. Assessment and Diagnosis
- 3.4. Global Aphasia
 - 3.4.1. Basis and Origin of Global Aphasia
 - 3.4.2. Characteristics and Symptomology
 - 3.4.3. Assessment and Diagnosis
- 3.5. Sensory Transcortical Aphasia
 - 3.5.1. Basis and Origin of Broca's Aphasia
 - 3.5.2. Characteristics and Symptomology
 - 3.5.3. Assessment and Diagnosis
- 3.6. Motor Transcortical Aphasia
 - 3.6.1. Basis and Origin of Motor Transcortical Aphasia
 - 3.6.2. Characteristics and Symptomology
 - 3.6.3. Assessment and Diagnosis
- 3.7. Mixed Transcortical Aphasia
 - 3.7.1. Basis and Origin of Mixed Transcortical Aphasia
 - 3.7.2. Characteristics and Symptomology
 - 3.7.3. Assessment and Diagnosis

- 3.8. Anomic Aphasia
 - 3.8.1. Basis and Origin of Anomic Aphasia
 - 3.8.2. Characteristics and Symptomology
 - 3.8.3. Assessment and Diagnosis
- 3.9. Agraphias
 - 3.9.1. Basis and Origin of Agraphias
 - 3.9.2. Characteristics and Symptomology
 - 3.9.3. Assessment and Diagnosis
- 3.10. Alexias
 - 3.10.1. Basis and Origin of Alexias
 - 3.10.2. Characteristics and Symptomology
 - 3.10.3. Assessment and Diagnosis

Module 4. Cognitive Deficiencies

- 4.1. Attention Pathology
 - 4.1.1. Main Attention Pathologies
 - 4.1.2. Characteristics and Symptomology
 - 4.1.3. Assessment and Diagnosis
- 4.2. Memory Pathology
 - 4.2.1. Main Memory Pathologies
 - 4.2.2. Characteristics and Symptomology
 - 4.2.3. Assessment and Diagnosis
- 4.3. Dysjective Syndrome
 - 4.3.1. What is Dysjective Syndrome?
 - 4.3.2. Characteristics and Symptomology
 - 4.3.3. Assessment and Diagnosis
- 4.4. Apraxias I
 - 4.4.1. Concept of Apraxia
 - 4.4.2. Main Modalities
 - 4.4.2.1. Ideomotor Apraxia
 - 4.4.2.2. Ideational Apraxia
 - 4.4.2.3. Constructional Apraxia
 - 4.4.2.4. Clothing Apraxia



- 4.5. Apraxias II
 - 4.5.1. Gait Apraxia
 - 4.5.2. Apraxia of Speech or Phonation
 - 4.5.3. Optical Apraxia
 - 4.5.4. Callosal Apraxia
 - 4.5.5. Examination of the Apraxias:
 - 4.5.5.1. Neuropsychological Assessment
 - 4.5.5.2. Cognitive Rehabilitation
- 4.6. Agnosias I
 - 4.6.1. Concept of Agnosias
 - 4.6.2. Visual Agnosias
 - 4.6.2.1. Agnosia for Objects
 - 4.6.2.2. Simultanagnosia
 - 4.6.2.3. Prospagnosia
 - 4.6.2.4. Chromatic Agnosia
 - 4.6.2.5. Others
 - 4.6.3. Auditory Agnosias
 - 4.6.3.1. Amusia
 - 4.6.3.2. Agnosia for Sounds
 - 4.6.3.3. Verbal Agnosia
 - 4.6.4. Somatosensory Agnosias
 - 4.6.4.1. Astereognosis
 - 4.6.4.2. Tactile Agnosia
- 4.7. Agnosias II
 - 4.7.1. Olfactory Agnosias
 - 4.7.2. Agnosia in Diseases
 - 4.7.2.1. Anosognosia
 - 4.7.2.2. Asomatognosia
 - 4.7.3. Assessment of Agnosias
 - 4.7.4. Cognitive Rehabilitation
- 4.8. Social Cognition Deficit
 - 4.8.1. Introduction to Social Cognition
 - 4.8.2. Characteristics and Symptomology
 - 4.8.3. Assessment and Diagnosis
- 4.9. Autism Spectrum Disorders
 - 4.9.1. Introduction BORRAR
 - 4.9.2. ASD Diagnosis
 - 4.9.3. Cognitive and Neuropsychological Profile Associated with ASD

04

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.



05

Certificate

The Postgraduate Diploma in Cognitive Neuropsychology guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.



The image features two graduation caps against a blue sky with light clouds. One cap is in the foreground, tilted upwards, and the other is slightly behind it. The background is split into a blue sky on the left and a magenta-to-white gradient on the right.

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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 Cognitive Neuropsychology** 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 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 Cognitive Neuropsychology**

Official N° of Hours: **600 h.**



*Apostille Convention. In the event that the student wishes to have their paper certificate 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
development language
virtual classroom



Postgraduate Diploma Cognitive Neuropsychology

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