

Postgraduate Diploma

Neuropsychophysiological Disorders



Postgraduate Diploma Neuropsychophysiological Disorders

Course Modality: Online

Duration: 6 months

Certificate: TECH Technological University

Official N° of Hours: 450 h.

Website: www.techtute.com/medicine/postgraduate-diploma/postgraduate-diploma-neuropsychophysiological-disorders

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01 Introduction

Neuropsychophysiological disorders are those that combine physical symptoms with psychological problems. Among them, two of those that most affect people are eating disorders and sleep problems, which have a direct impact on two key aspects of human survival: rest and nutrition. For this reason, this program focuses on providing physicians with in-depth knowledge that will enable them to approach this type of pathology from a unique and highly effective perspective, thereby helping to improve the quality of life of patients and their families.





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*Improve your approach to
Neuropsychophysiological Disorders
with this academic program of excellent
value for your CV”*

Psychophysiological disorders are those pathologies that combine the existence of physical symptoms or dysfunctions with psychological factors in various organs of the body. This usually occurs because of the complex relationship between the body and the psyche and very often make its diagnosis a difficult task.

Among these types of disorders, eating disorders are undoubtedly the ones which have seen the greatest increase in cases, causing a serious problem, especially in the younger population. Being aware of this, this Postgraduate Diploma will delve into the social, cultural and biological factors that lead to this type of disorders. Therefore, this program will provide physicians with the necessary skills for early identification and better management of these disorders.

Furthermore, during this program sleep will be discussed as one of the major concerns of modern society. It is often a reason for which patients seek help and underlies many of the discomforts of everyday life, becoming a window into other disorders. In this Postgraduate Diploma, you will learn more about the physiology of circadian cycles, assess the limits of normality, and distinguish between primary and secondary sleep disorders.

These contents will be organized based on the best teaching methodology and will be taught completely online. In this way, the student will be able to study wherever and whenever they want, only needing an electronic device to access the best content in the sector.

This **Postgraduate Diploma in Neuropsychophysiological Disorders** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Practical cases presented by experts in Medicine and Psychiatry
- ♦ The graphic, schematic, and eminently practical contents with which they are created, provide scientific and practical information on the disciplines that is essential for professional practice
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ 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

“*Make your career grow and place yourself at the forefront of the profession by studying at TECH*”

“ *In a competitive working world, specializing in an area is the only way for a professional to differentiate their profile from that of others”*

The program's teaching staff includes professionals from the 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 learning programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, the professional will be assisted by an innovative system of interactive videos made by recognized experts in personal therapeutic training.

With this Postgraduate Diploma you will learn how to treat eating disorders in an optimal way, always prioritizing the well-being of the patient

Study from the comfort of your home and update your knowledge online with TECH Technological University, the biggest online university in the world



02 Objectives

The content of this Postgraduate Diploma will allow students to achieve the proposed objectives, so that they can update and deepen their knowledge in Neuropsychophysiological Disorders. To this end, different medical professionals have contributed their knowledge into developing the topics of the syllabus, providing the professional with a complete perspective and a current approach, fully preparing them to achieve their work goals. The professional will be fully empowered in an increasingly patient-focused field of medicine, guiding them to excellence in their daily medical work.





“ You are just one click away from enrolling onto a Postgraduate Diploma course which will take your knowledge to the next level. Don't miss this opportunity”



General Objectives

- ♦ Improve clinical skills in interviewing, examination and diagnosis in psychiatry
- ♦ Provide skills and strategies for clinical management in psychiatry
- ♦ Keep physicians' knowledge of new advances in psychiatry up to date
- ♦ Master the skills for scientific research in psychiatry
- ♦ Improve professional communication skills
- ♦ Provide training for leadership in psychiatry
- ♦ Know the peculiarities of the development of different specific areas
- ♦ Know how to prevent and treat psychiatric epidemiology in the different stages of life
- ♦ Gain up-to-date knowledge of the therapeutic strategies in the latest advances in psychiatry
- ♦ Approach specific psychiatric problems
- ♦ Provide skills and strategies for clinical management in psychiatry





Specific Objectives

Module 1. Eating Disorders

- ♦ Understand how to identify eating disorders early on
- ♦ Gain in-depth knowledge of how to handle this type of disorder

Module 2. Sleep and Wakefulness Disorders

- ♦ Delve into the physiology of circadian cycles
- ♦ Evaluate the limits of normality and distinguish between primary and secondary sleep disorders

Module 3. Other Disorders

- ♦ Gain an in-depth and exhaustive perspective of mental health disorders



Grow in a booming sector and achieve your professional goals through an academic program of excellence”

03

Course Management

With the objective of making education available for all, TECH counts on renowned professionals to help students acquire sound knowledge of psychiatry of Neuropsychophysiological Disorders. Therefore, this Postgraduate Diploma has a team of highly qualified teachers, whose extensive experience in this field contributes to the quality of the program, providing students with the best tools for the development of their skills during the course. In this way, the student has the guarantees required to specialize in the diagnosis, approach and treatment of psychiatric pathologies such as eating disorders and sleep disorders.





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An exceptional teaching team will be in charge of providing you with all the knowledge you need to grow in your profession. Don't miss this opportunity”

International Guest Director

Doctor Jerrold Rosenbaum has been recognized as one of the world's leading experts in Mood and Anxiety Disorders, with a special focus on pharmacotherapy to treat these conditions. In fact, his career has focused on the development of new therapies for Major Depression, Treatment Resistant Depression and Panic Disorder.

Through his research, he has designed and conducted numerous clinical trials that have expanded the understanding of these disorders, as well as longitudinal studies that have sought to identify risk and protective factors in the psychopathology of children predisposed to Anxiety and Depressive Disorders, including issues of genetics, behavior and brain structures in children at risk for developing Mood Disorders.

He has also held a number of important positions, including serving as Director of the Department of Psychiatry at Massachusetts General Hospital, where he has supervised more than 600 physicians and researchers. He has also co-founded Psy Therapeutics and Sensorium Therapeutics, companies dedicated to the discovery of new psychiatric and neurological drugs. In addition, he has directed the Center for the Neuroscience of Psychedelics, where he has explored how psychedelics can change the brain and offer new therapeutic approaches for Psychiatric Disorders.

Likewise, his work has been recognized internationally with multiple awards, such as the prestigious C. Charles Burlingame, for her contribution to psychiatric research, and the Joseph B. Martin Dean's Leadership Award, given by Harvard Medical School for her commitment to the advancement of women in medicine. In turn, he has been awarded the Ellis Island Medal of Honor and has been a Fellow Emeritus of the American College of Neuropsychopharmacology. He has also written more than 400 scientific articles and 20 books.



Dr. Rosenbaum, Jerrold

- Director of the Department of Psychiatry at Massachusetts General Hospital, United States
- Co-founder of Psy Therapeutics and Sensorium Therapeutics
- Director of the Center for the Neuroscience of Psychedelics
- Medical Degree from Yale University
- Member of:
 - American College of Neuropsychopharmacology

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Thanks to TECH, you will be able to learn with the best professionals in the world”

Management



Dr. Baca García, Enrique

- ♦ Head of the Department of Psychiatry at the Jiménez Díaz Foundation
- ♦ Professor of Psychiatry. Department of Psychiatry. Faculty of Medicine. Autonomous University of Madrid
- ♦ Degree in Medicine and Surgery from the Autonomous University of Madrid.
- ♦ PhD in Medicine and Surgery from the University of Alcalá
- ♦ Specialist in Psychiatry
- ♦ Postdoctoral Research Fellow. Columbia University College of Physicians & Surgeons



Dr. Barrigón Estevez, María Luisa

- ♦ Attending Physician in the Psychiatric Department in the JDF Health Research Institute Foundation
- ♦ Degree in Medicine and Surgery from the University of Extremadura
- ♦ Specialist in Psychiatry with training completed in the Clinical University Hospital of Granada
- ♦ Official PhD program in Psychiatry from the University of Granada

Professors

Dr. Álvarez García, Raquel

- ♦ Associate Head of Psychiatry at the RJUH
- ♦ Associate Professor of Medicine, Rey Juan Carlos University (URJC)
- ♦ PhD from the Autonomous University of Madrid
- ♦ Degree in Medicine from the Autonomous University Madrid
- ♦ Specialist in Psychiatry, Internal Medical Resident at the Jiménez Díaz foundation
- ♦ Specialist Course in Mental Health Emergencies
- ♦ Diploma of Higher Training in Psychotherapy at the Autonomous University of Madrid

Ms. Albarracín García, Lucía

- ♦ Psychiatry Department at the Jiménez Díaz Foundation
- ♦ Degree in Psychology from the Complutense University Madrid
- ♦ Master's Degree in General Health Psychology from the Complutense University of Madrid
- ♦ Course on Long-term Prognostic Factors of Psychiatric Disorders Beginning in Childhood and Adolescence from the Alicia Koplowitz Foundation

Dr. Izaguirre Gamir, Leire

- ♦ 4th year Internal Medicine Resident in Psychiatry at Jiménez Díaz Foundation University Hospital
- ♦ Degree in Medicine and Surgery from the San Pablo TECH University of Madrid
- ♦ Master's Degree in Psychotherapy, Integrated Perspective from the University of Alcalá Henares

Dr. Guerrero Jiménez, Margarita

- ♦ Psychiatry Faculty Area Specialist in Virgen de las Nieves Hospital
- ♦ Clinical tutor of students in the Degree in Medicine at the University of Granada
- ♦ Degree in Medicine from the University of Granada
- ♦ Master's Degree in Neuroscience and Pain from the University of Granada
- ♦ Master's Degree in Third Generation Psychotherapy from the International University of Valencia
- ♦ Postgraduate Diploma in Affective Disorders from the University of Alcalá de Henares

Dr. Carrillo de Albornoz Calahorro, Carmen Maura

- ♦ Health Faculty Specialist in the Psychiatric department of the Andalusian Health Service (Virgen de las Nieves Hospital)
- ♦ Degree in Medicine from the University of Córdoba
- ♦ Postgraduate Diploma in ADHD Throughout Life from the Autonomous University of Alcalá de Henares
- ♦ Postgraduate Diploma in Emergencies in Mental Health from the Autonomous University of Alcalá de Henares

Dr. Brañas González, Antía

- ♦ Medical specialist in Psychiatry in the Ourense Hospital Complex
- ♦ Experience in clinical work in different public and private centers
- ♦ PhD in Health Sciences from the University of Granada
- ♦ Degree in Medicine and Surgery from the University of Santiago de Compostela
- ♦ Diploma of Advanced Studies from the University of Granada

Dr. García Román, Cristina

- ♦ Faculty Specialist in Psychiatric Department in UHSM at the Clinical Hospital of San Cecilio
- ♦ Degree in Medicine and Surgery from the University of Granada
- ♦ Master's Degree in Psychopathology and Health from the National University of Remote Education General Foundation UNED
- ♦ Postgraduate Diploma in Psychopathology and Health from the National University of Remote Education. General Foundation UNED

Dr. Gota, José Miguel

- ♦ Intensive Community Treatment Team to be implemented in the Mental Health Clinical Management Unit of the San Cecilio University Hospital in Granada
- ♦ Physician in Community Mental Health Units, caring for the adult population
- ♦ Degree in Medicine from the University of Zaragoza
- ♦ Psychiatry specialist in the Southern Health Management Area of Granada-Basic General Hospital of Motril

Dr. De Granda Beltrán, Ana María

- ♦ Faculty Specialist in the JDF Health Research Institute Foundation
- ♦ Suicidal Behavior Prevention and Treatment Consultation at Moncloa Mental Health Center
- ♦ Degree in Medicine from the Complutense University of Madrid
- ♦ Master's Degree in Legal Psychiatry from the Complutense University of Madrid



Dr. Peñuelas Calvo, Inmaculada

- ◆ Specialist in the Psychiatry Department at the Jiménez Díaz Foundation
- ◆ Associate Professor of Health Sciences at the Complutense University of Madrid
- ◆ Degree in Medicine from the University of Zaragoza
- ◆ Master's Degree in Autism from the University of San Jorge
- ◆ Master's Degree in Systemic Family Therapy from the Autonomous University of Barcelona
- ◆ Master's Degree in Clinical Practice in Child and Adolescent Psychiatry from the University of Barcelona
- ◆ Postgraduate Diploma in Bipolar Disorder from the University of Barcelona
- ◆ Postgraduate Diploma in Child and Adolescent Psychiatry from the University of Barcelona

Dr. Porrás Segovia, Alejandro

- ◆ Clinical researcher in the Health Research Institute of the Jiménez Díaz Foundation
- ◆ Degree in Medicine and Surgery from the University of Granada
- ◆ Official PhD program in Clinical Medicine and Public Health from the University of Granada
- ◆ Postgraduate Diploma in Affective Disorders from the University of Alcalá
- ◆ Postgraduate Diploma in Emergencies in Mental Health from the University of Alcalá

Dr. González Rodríguez, Teresa

- ◆ Psychiatric Consultant in the Psychiatry and Psychology Center, Plaza España
- ◆ Psychiatry Consultant in the Averroes Medical Center
- ◆ Degree in Medicine from the University of Seville
- ◆ Master's Degree in Clinical Medicine from the Camilo José Cela University
- ◆ Master's Degree in Legal Psychiatry from the Complutense University of Madrid

Dr. Pérez Fominaya, Margarita

- ◆ Attending Physician in External Consultations at the Nuestra del Prado Hospital Head of the Psychogeriatric Program
- ◆ Attending Physician at the San José Institute Foundation Head of Psychiatry Interconsultation
- ◆ Degree in Medicine and Surgery from the Complutense University of Madrid
- ◆ Postgraduate Diploma in Mental Health from the University of Alcalá de Henares
- ◆ Postgraduate Diploma in Psychoanalytical Psychotherapy and Clinical Management from the Pontificia Comillas University
- ◆ Postgraduate Diploma in ADHD Throughout Life from the University of Alcalá de Henares

Ms. Pérez Colmenero, Sonia

- ◆ Faculty specialist in Clinical Psychology in a child and adolescent mental health center at the Jiménez Díaz Foundation University Hospital
- ◆ Degree in Psychology from the University of Santiago de Compostela
- ◆ Master's Degree in Child and Adolescent Clinical Psychology
- ◆ Early Care Course through continued distance learning program
- ◆ Course on Psychiatry During and After the COVID-19 Health Crisis

04

Structure and Content

The syllabus of this Postgraduate Diploma has been based on the requirements of medicine applied to psychiatry and Neuropsychophysiological Disorders. The content of the program has been structured into three modules and takes place over 6 months. These modules include all the information that students need to know, incorporating all the elements that may be involved in their daily duties in this field of study.



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This syllabus, created by professionals in the sector, guarantees you a successful learning experience with contents that you will end up applying in your day-to-day work"

Module 1. Eating Disorders

- 1.1. Epidemiology
 - 1.1.1 Risk Factors
 - 1.1.2 Etiological Factors
- 1.2. Classification
- 1.3. Anorexia
 - 1.3.1 Clinical Characteristics
- 1.4. Bulimia
 - 1.4.1 Clinical Characteristics
- 1.5. Binge Eating Disorder
 - 1.5.1 Clinical Characteristics
- 1.6. Assessment
 - 1.6.1 Diagnosis
 - 1.6.2 Differential Diagnosis
- 1.7. Medical Aspects of Assertive Community Treatment
 - 1.7.1 Medical Complications
 - 1.7.2 Medical Assessment
 - 1.7.3 Analytical Results
- 1.8. Medical Treatment
- 1.9. Psychotherapeutic treatment
- 1.10. Other Specific Eating Disorders
 - 1.10.1 Avoidant or Restrictive Eating Disorder
 - 1.10.2 PICA Syndrome
 - 1.10.3 Rumination or Regurgitation Disorder

Module 2. Sleep and Wakefulness Disorders

- 2.1. Normal Sleep
 - 2.1.1 Basic Aspects
- 2.2. Diagnostic Assessment
- 2.3. Classification of Sleep and Wakefulness Disorders
- 2.4. Insomnia Disorder
 - 2.4.1 Clinical Symptoms
 - 2.4.2 Assessment
- 2.5. Insomnia Disorder
 - 2.5.1 Medical Treatment

- 2.6. Insomnia Disorder
 - 2.6.1 Non-Pharmacological Treatment
- 2.7. Hypersomnia Disorders
- 2.8. Disorders of the Circadian Rhythm of Sleep and Wakefulness
- 2.9. Parasomnia Disorders
- 2.10. Monitoring Sleep

Module 3. Other Disorders

- 3.1. Catatonia
- 3.2. Impulse Control Disorder
- 3.3. Factitious Disorder
- 3.4. Mental or Behavioral Disorders Associated with Pregnancy
 - 3.4.1 Birth
 - 3.4.2 Post-Partum
- 3.5. Paraphilic Disorders
- 3.6. Sexual Dysfunctions
- 3.7. Attention Deficit Hyperactivity Disorder
 - 3.7.1 Hyperactivity
- 3.8. Gender Conflict
- 3.9. Psychological or Behavioral Factors that Affect Illnesses or Diseases Classified in Another Area
- 3.10. Secondary Mental Health or Behavioral Syndromes Associated with Illnesses or Disorders Classified in Another Area



*Turn your professional career around
and become a better doctor by studying
this Postgraduate Diploma*



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 Harvard 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

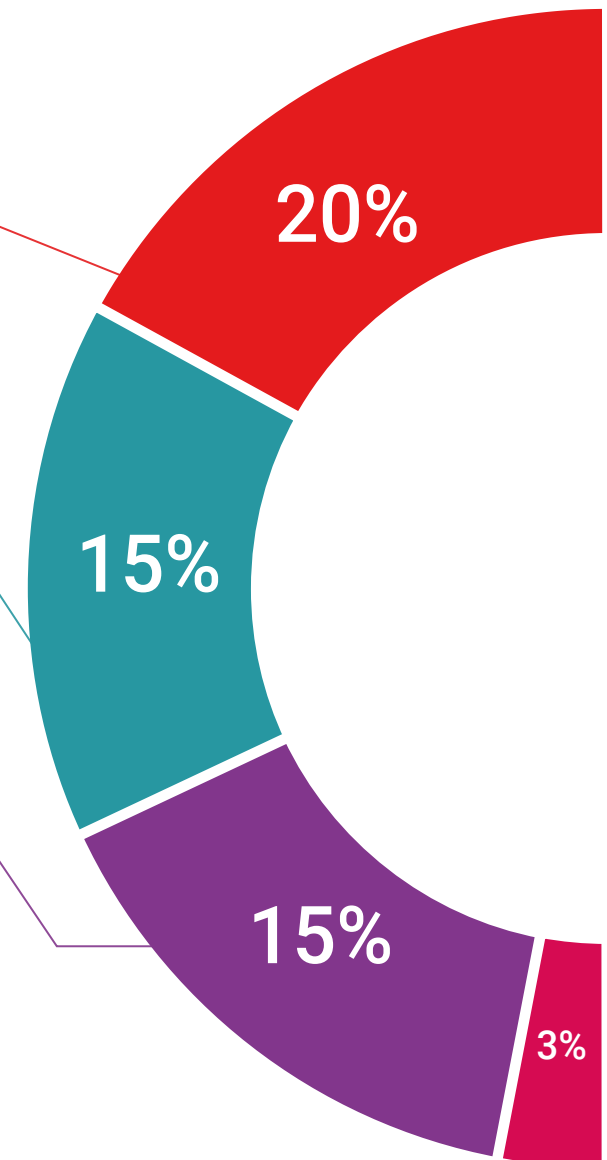
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

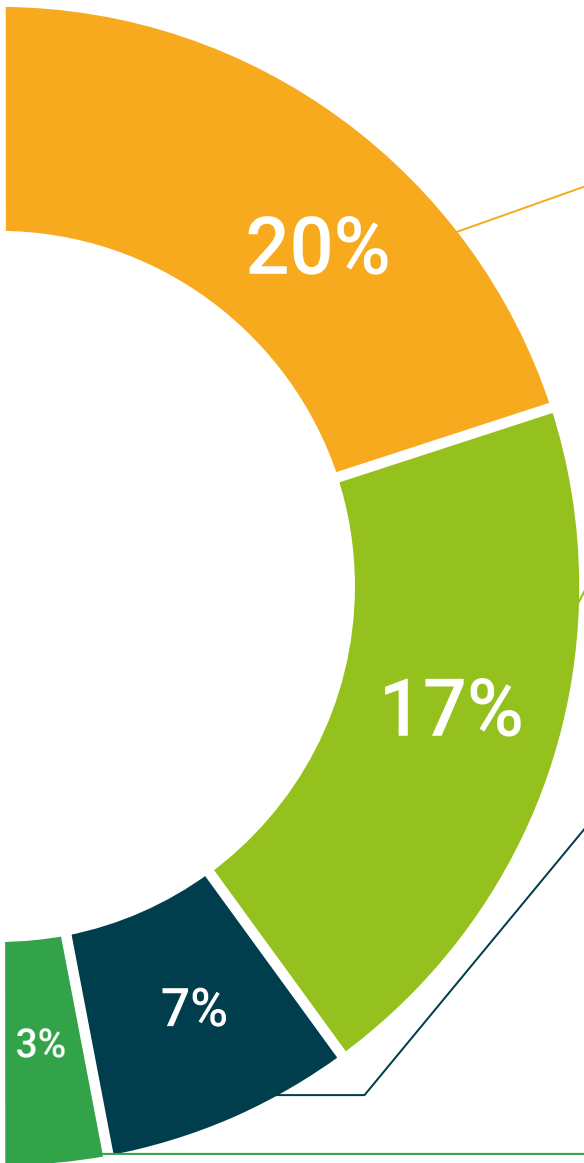
This exclusive multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Retesting

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 termed Learning from an Expert strengthens knowledge and recall capacity, and generates confidence in the face of difficult decisions in the future.



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



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Successfully complete this program and receive your university diploma without travel or laborious paperwork"

This **Postgraduate Diploma in Neuropsychophysiological Disorders** 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 diploma 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 Neuropsychophysiological Disorders**

Official N° of Hours: **450 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
development languages
classroom

tech technological
university

Postgraduate Diploma
Neuropsychophysiological
Disorders

Course Modality: Online

Duration: 6 months

Certificate: TECH Technological University

Official N° of Hours: 450 h.

Postgraduate Diploma

Neuropsychophysiological Disorders

