Postgraduate Diploma
Psychoneuroimmunoendocrinology

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Postgraduate Diploma
Psychoneuroimmunoendocrinology

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

Website: **www.techtitute.com/us/education/postgraduate-diploma/postgraduate-diploma-psychoneuroimmunoendocrinology**

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01

Introduction

The relationship between emotions and their effects on the immune system has been studied by scientists who have found this connection between mental and physical health. This allows the development of effective strategies for people suffering from disorders. The management of social skills is a learning process that is acquired in different areas, including education. That is why this 100% online program will allow the teaching professional to enter the field of Psychoneuroimmunoendocrinology, allowing them to better understand the functioning of the brain and nervous system. All this with a team of professionals with extensive experience in this field.

You will be able to take an advanced program compatible with your professional responsibilities. Grow in your sector thanks to TECH"

The progress of science has led to a better understanding of how the brain works and also the direct connection between behavior, emotions and the physical well-being of the person. The correct development in the emotional field in early ages will favor not only social skills in this stage of life, but also in adulthood, where people with better mental and physical health can be found.

This program in Psychoneuroimmunoendocrinology proposed by TECH offers the teaching professional an exhaustive syllabus developed by a specialized teaching team that will immerse them in this discipline over the course of 6 months. Therefore, the students of this program will delve into the beginnings of neuropsychology, the basics of neuroanatomy and principles of functional neuroanatomy, which will lead them to know the different areas of the brain and how they function.

This acquisition of advanced knowledge will be possible thanks to the syllabus composed of didactic material in which the latest technology applied to the academic sector has been used. This way, students have at their disposal video summaries, detailed videos, interactive diagrams, which are complemented with essential readings and simulations of real clinical cases. Besides, this institution uses the *Relearning* system in all its programs. Based on the reiteration of content, it allows students to progress through the program in a more natural and agile way.

The teaching professional is faced with a program in an exclusively online mode that provides flexibility, as there is no classroom attendance or sessions with fixed schedules. All you need is an electronic device to access the entire syllabus hosted on the virtual platform. This way, you can connect wherever and whenever you want, distributing the study load according to their needs. An intensive program that will allow you to combine your professional and/or personal responsibilities with an education that employs modern educational tools.

This **Postgraduate Diploma in Psychoneuroimmunoendocrinology** contains the most complete and up-to-date program on the market. Its most notable features are:

- 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

A university diploma that will take you through the relationship between the nervous system and the immune system. Enroll now"

You can easily, from your computer and whenever you want, access the most complete syllabus on Psychoneuroimmunoendocrinology

Do you know the relationship of the hypothalamus with the endocrine system? Delve into it with this Postgraduate Diploma.

TECH uses the latest technology applied in education to advance your career in a more dynamic and visual way.

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 during the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

02

Objectives

At the end of the 450 teaching hours that comprise this Postgraduate Diploma, the teaching professional will have acquired a much broader knowledge of Psychoneuroimmunoendocrinology. Therefore, students will acquire the essential concepts of neurobiology, the development of the central nervous system, the evolutionary process of this system and the bases of functional neuroanatomy. The teaching staff will accompany the students during this period in order to help them achieve their goals of progress in their work environment.

Grow professionally with a program that provides you with the foundations of neurobiology"

General Objectives

- Know in detail the latest developments related to the advances that have been made in the field of Psychoneuroimmunoendocrinology
- Delve in a specialized way into Neuropsychology and the keys to its understanding
- Develop a broad and comprehensive knowledge of functional neuroanatomy

Enroll now in a Postgraduate Diploma where you will be able to delve into the different brain areas and how they work"

Specific Objectives

Module 1. Introduction to Neuropsychology

- Know the beginnings of neuropsychology and its first studies
- Learn about the basics of Neurobiology
- Know and contextualize the bases of the development of the central nervous system

Module 2. Principles of Neuroanatomy

- Know the origins and the evolutionary process of the nervous system
- Obtain a general vision on the formation of the nervous system
- Know the basic fundamentals of neuroanatomy

Module 3. Functional Neuroanatomy

- Learn and understand about the basics of functional neuroanatomy
- Differentiate between the different brain zones and their functioning

03

Structure and Content

TECH provides, in this Postgraduate Diploma, a syllabus that has been developed by a teaching team specialized in the discipline of Clinical Neuropsychology. A syllabus to which you will have full access from the beginning of the program and which consists of 3 distinct modules with a multidisciplinary approach, which will allow you to acquire extensive learning about neuropsychology, the principles of neuroanatomy and functional neuroanatomy. All this, in a 100% online mode degree that you can access 24 hours a day from your computer, tablet or cell phone.

An academic program that will allow you to better understand the relationship between the brain and emotions"

Module 1. Introduction to Neuropsychology

1.1. Introduction to Neuropsychology
- 1.1.1. Basis and Origins of Neuropsychology
- 1.1.2. First Approaches to the Discipline

1.2. First Approaches to the Neuropsychology
- 1.2.1. First Works Within Neuropsychology
- 1.2.2. Most Relevant Authors and Works

1.3. Ontogeny and Phylogeny of the CNS
- 1.3.1. Concept of Ontogeny and Phylogeny
- 1.3.2. Ontogeny and Phylogeny Within the CNS

1.4. Cellular and Molecular Neurobiology
- 1.4.1. Introduction to Neurobiology
- 1.4.2. Cellular and Molecular Neurobiology

1.5. Neurobiology of Systems
- 1.5.1. Concepts of Systems
- 1.5.2. Structures and Development

1.6. Embryology of the Nervous System
- 1.6.1. Principles of Embryology of the Nervous System
- 1.6.2. Phases of Embryology of the Nervous System

1.7. Introduction to Structural Anatomy CNS
- 1.7.1. Introduction to Structural Anatomy
- 1.7.2. Structural Development

1.8. Introduction to Functional Anatomy
- 1.8.1. What is Function Anatomy?
- 1.8.2. Most Important Functions

1.9. Neuroimaging Techniques
- 1.9.1. Concept of Neuroimaging
- 1.9.2. Most Commonly Used Techniques
- 1.9.3. Advantages and Disadvantages

Module 2. Principles of Neuroanatomy

2.1. Formation of the Nervous System
- 2.1.1. Anatomical and Functional Organization of the Nervous System
- 2.1.2. Neurons
- 2.1.3. Glial Cells
- 2.1.4. Central Nervous System: Brain and Spinal Cord
- 2.1.5. Main Structures:
  - 2.1.5.1. Forebrain
  - 2.1.5.2. Midbrain
  - 2.1.5.3. Rhombencephalon

2.2. Formation of the Nervous System II
- 2.2.1. Peripheral Nervous System
  - 2.2.1.1. Somatic Nervous System
  - 2.2.2.2. Neurovegetative or Autonomic Nervous System
  - 2.2.2.3. White Matter
  - 2.2.2.4. Gray Matter
  - 2.2.2.5. Meninges
  - 2.2.2.6. Cerebrospinal Fluid

2.3. The Neuron and its Composition
- 2.3.1. Introduction to the Neuron and its Function
- 2.3.2. The Neuron and its Composition

2.4. Electric and Chemical Synapses
- 2.4.1. What is a Synapse?
- 2.4.2. Electrical Synapse
- 2.4.3. Chemical Synapse

2.5. Neurotransmitters
- 2.5.1. What is a Neurotransmitter?
- 2.5.2. Types of Neurotransmitters and their Functioning

2.6. Neuroendocrinology (Hypothalamus-Endocrine System Relationship)
- 2.6.1. Introduction to Neuroendocrinology
- 2.6.2. Basis of Neuroendocrinological Functioning

2.7. Neuroimmunology (Relationship between the Nervous System and Immune System)
- 2.7.1. Introduction to Neuroimmunology
- 2.7.2. Basis and Fundamentals of Neuroimmunology

2.8. Nervous System in Childhood and Adolescence
- 2.8.1. Development of the Nervous System
- 2.8.2. Bases and Characteristics

2.9. Nervous System in Adulthood
- 2.9.1. Bases and Characteristics of the Nervous System

2.10. Nervous System in Old Age
- 2.10.1. Bases and Characteristics of the Nervous System in Old Age
- 2.10.2. Main Related Problems

Module 3. Functional Neuroanatomy

3.1. Frontal Lobe
- 3.1.1. Introduction to the Frontal Lobe
- 3.1.2. Main Features
- 3.1.3. Bases of their Functioning

3.2. Neuropsychology of the Dorsolateral Prefrontal Cortex
- 3.2.1. Introduction to the Dorsolateral Prefrontal Cortex
- 3.2.2. Main Features
- 3.2.3. Bases of their Functioning

3.3. Neuropsychology of the Orbitofrontal Cortex
- 3.3.1. Introduction to the Orbitofrontal Cortex
- 3.3.2. Main Features
- 3.3.3. Bases of their Functioning

3.4. Neuropsychology of the Medial Prefrontal Cortex
- 3.4.1. Introduction to the Dorsolateral Prefrontal Cortex
- 3.4.2. Main Features
- 3.4.3. Bases of their Functioning

3.5. Motor Cortex
- 3.5.1. Introduction to the Motor Cortex
- 3.5.2. Main Features
- 3.5.3. Bases of their Functioning

3.6. Temporal Lobe
- 3.6.1. Introduction to the Temporal Lobe Cortex
- 3.6.2. Main Features
- 3.6.3. Bases of their Functioning

3.7. Parietal Lobe
- 3.7.1. Introduction to the Parietal Lobe Cortex
- 3.7.2. Main Features
- 3.7.3. Bases of their Functioning

3.8. Occipital Lobe
- 3.8.1. Introduction to the Occipital Lobe Cortex
- 3.8.2. Main Features
- 3.8.3. Bases of their Functioning

3.9. Cerebral Asymmetry
- 3.9.1. Concept of Brain Asymmetry
- 3.9.2. Characteristics and Functioning

You will become an expert in Psychoneuroimmunoendocrinology with a program that you can study comfortably"

04

Methodology

This academic program offers students a different way of learning. Our methodology follows a cyclical learning process: ***Relearning.***

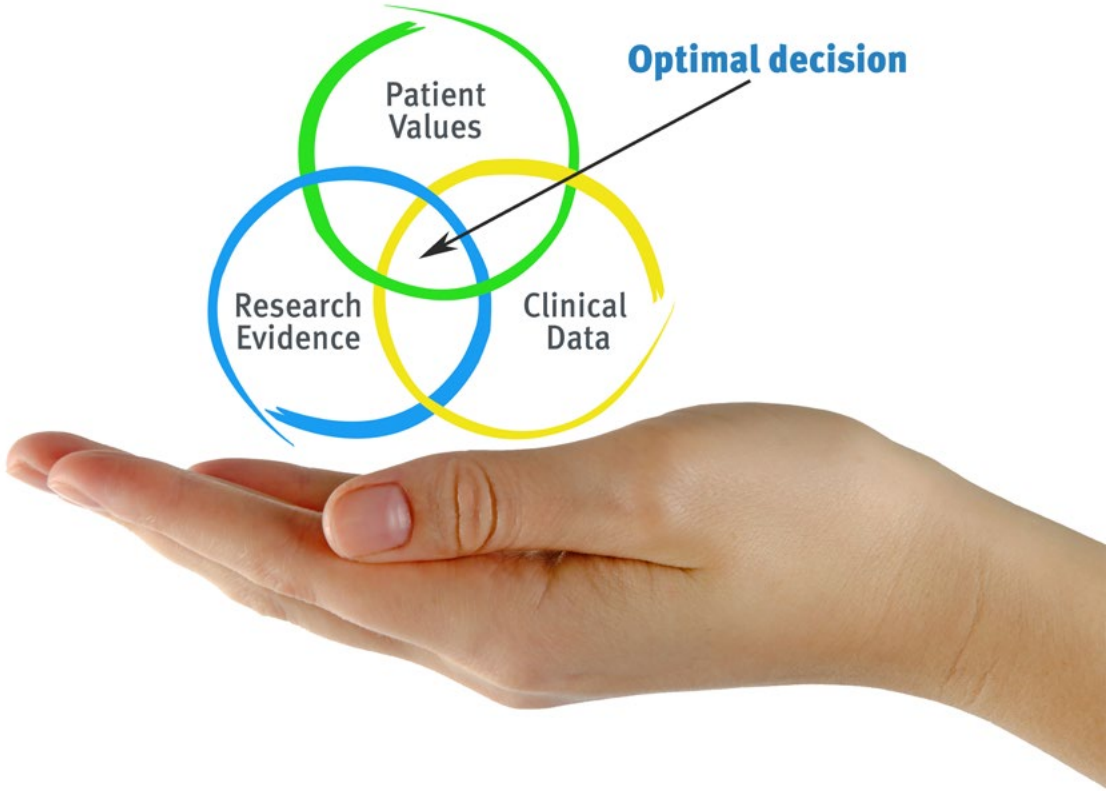
This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the ***New England Journal of Medicine*** have considered it to be one of the most effective.

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 Education School we use the Case Method

In a given situation, what should a professional do? Throughout the program students will be presented with multiple simulated cases based on real situations, where they will have to investigate, establish hypotheses and, finally, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method.

With TECH, educators can experience a learning methodology that is shaking the foundations of traditional universities around the world.



It is a technique that develops critical skills and prepares educators to make decisions, defend their arguments, and contrast opinions.

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. Educators who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process is solidly focused on practical skills that allow educators to better integrate the knowledge into daily practice.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life teaching.
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 case studies with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which represent a real revolution with respect to simply studying and analyzing cases.

Educators will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.

At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology we have trained more than 85,000 educators with unprecedented success in all specialties. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

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 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 specialist educators who teach the course, specifically for the course, so that the teaching content is really specific and precise.

These contents are then adapted in audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high-quality pieces in each and every one of the materials that are made available to the student.

Video Education Techniques and Procedures

TECH introduces students to the latest techniques, with the latest educational advances, and to the forefront of Education. All this, first-hand, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, students can watch them as many times as they want.

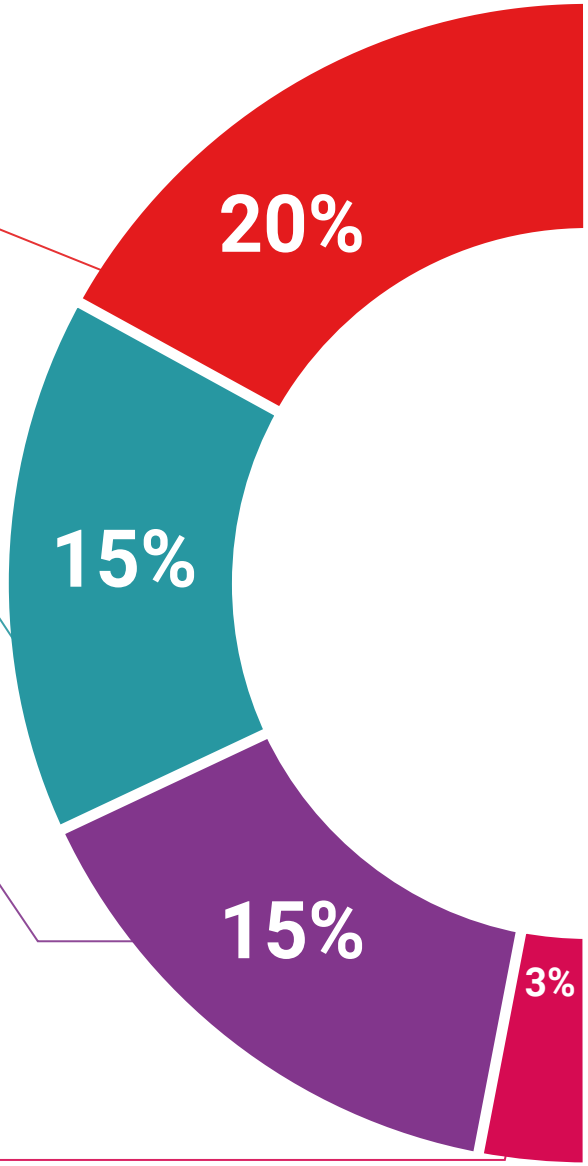
Interactive Summaries

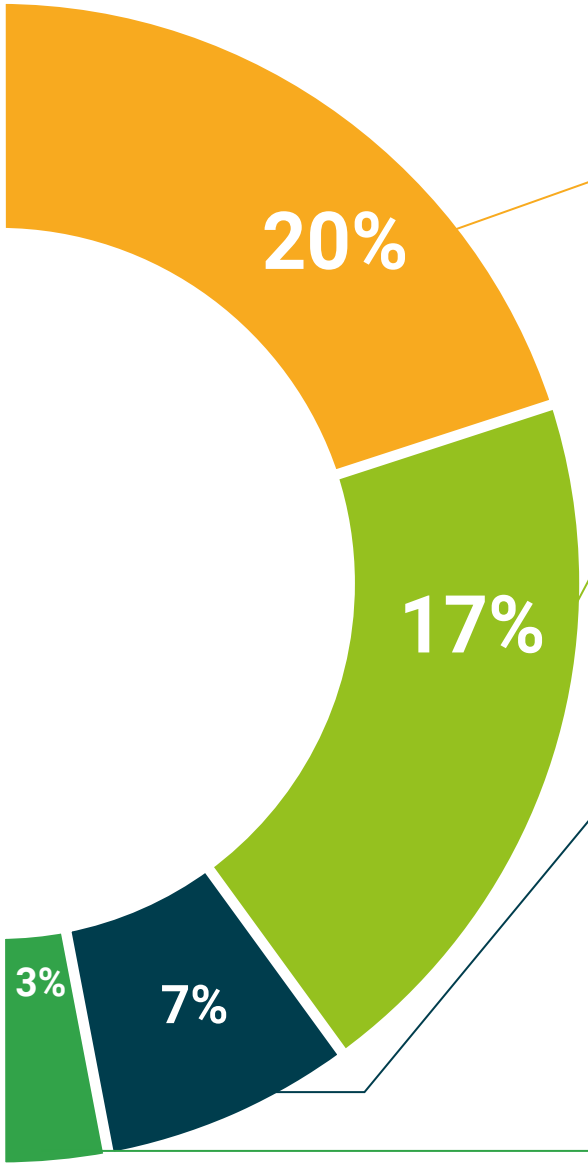
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

Additional Reading

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





Expert-Led Case Studies and Case Analysis

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

Testing & Retesting

We periodically assess and re-assess 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

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

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

This **Postgraduate Diploma in Psychoneuroimmunoendocrinology** ccontains 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 Psychoneuroimmunoendocrinology**

Official Nº of Hours: **450 h.**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Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Psychoneuroimmunoendocrinology

This is a qualification awarded by this University, equivalent to 450 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro

Dean

Unique TECH Code: AFWORD23S techtitute.com/certificates

*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.

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