Postgraduate Certificate
Principles of Brain Injury

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Postgraduate Certificate

Principles of Brain Injury

- Modality: **online**
- Duration: **6 weeks**
- Certificate: **TECH Global University**
- Accreditation: **6 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Website: www.techtitute.com/us/medicine/postgraduate-certificate/principles-brain-injury

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01

Introduction

People who have suffered severe brain damage have seen how this impacts their quality of life, affecting perception, communication, or producing physical, cognitive, and emotional alterations. Comprehensive study has led to advances in prevention, diagnosis and the most effective treatment methods for each case. Progress that requires highly qualified professionals who are constantly updated in this area. This program, taught exclusively online, was created to respond to medical personnel who want to be up-to-date with the latest scientific news on brain damage, without neglecting other areas of their work or personal life.

Brain damage dominates world mortality figures. Delve deeper into each type with this Postgraduate Certificate"

The figures provided by the World Health Organization are not encouraging with respect to stroke, since it continues to be the second leading cause of death in the world, although it is true, the percentage is reduced in rich countries. In addition, other brain damage such as heart attacks or embolisms are among the most frequent. In a scenario where the probability of finding a patient with this type of stroke is high, constant updating is necessary of the medical professional.

This Postgraduate Certificate in Principles of Brain Injury responds to professionals who want to be aware of the latest scientific studies in this area and the advances made in recent years. Through an exhaustive syllabus facilitated by a specialized teaching team, the professional will delve into the different disorders that can affect the brain, their characteristics and most frequent symptoms.

In addition, thanks to the latest technology applied to education, students will have access to innovative multimedia content and real clinical cases that will be very useful in updating knowledge and its direct application in their daily practice. An excellent opportunity offered by TECH in all its degrees to medical professionals wishing to immerse themselves in an advanced degree in a comfortable way.

To access the entire syllabus, where and when you want, you will just need a laptop, *Tablet* or mobile phone with an Internet connection In addition, the *Relearning*system will allow you to progress in this online program in a more natural and agile way, even reducing the long hours of study that are invested in other teaching methods.

This **Postgraduate Certificate in Principles of Brain Injury** contains the most complete and up-to-date scientific program on the market. The most important features include:

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

The Relearning system will allow you to progress this university education in a more natural and agile way”

Delve into epileptic disorders and disorders related to pathological aging from your computer or tablet"

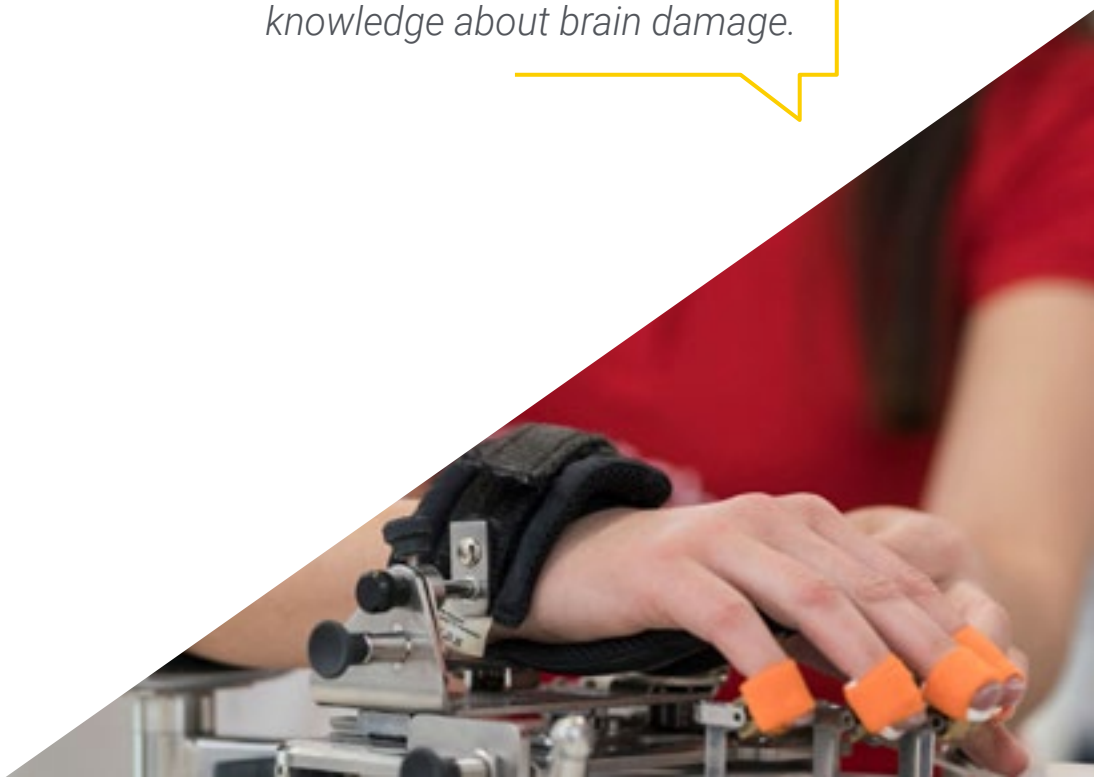
Update your knowledge about patients who have suffered disorders due to early brain injuries and that affect their daily life.

An educational option that gives you the opportunity to comfortably recycle your knowledge about brain damage.

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. For this purpose, students will be assisted by an innovative interactive video system developed by renowned experts.



02

Objectives

This Postgraduate Certificate has been designed and prepared to be able to provide the most detailed and complete knowledge on brain damage to the professional of medicine . This will allow students to conclude this program knowing what you are looking for about the different types of brain damage and related disorders. All this, thanks to the specialized teaching team and extensive professional experience imparted by this academic degree.

Whatever your main objective is, with this Postgraduate Certificate you will achieve it with total guarantee, as well as your highest expectations"

General Objectives

- Provide the graduate with the latest educational tools that will allow them to know in detail the latest developments related to Principles of Brain Injury
- Improve their professional competencies and skills through the practical resolution of real clinical cases taken from the practices of practicing professionals

Specific Objectives

- 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

You will be able to perfect your knowledge about the different types of brain damage through a program taught exclusively online"

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.

This academic itinerary is exclusive to TECH and you will be able to develop it at your own pace thanks to its 100% online Relearning 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

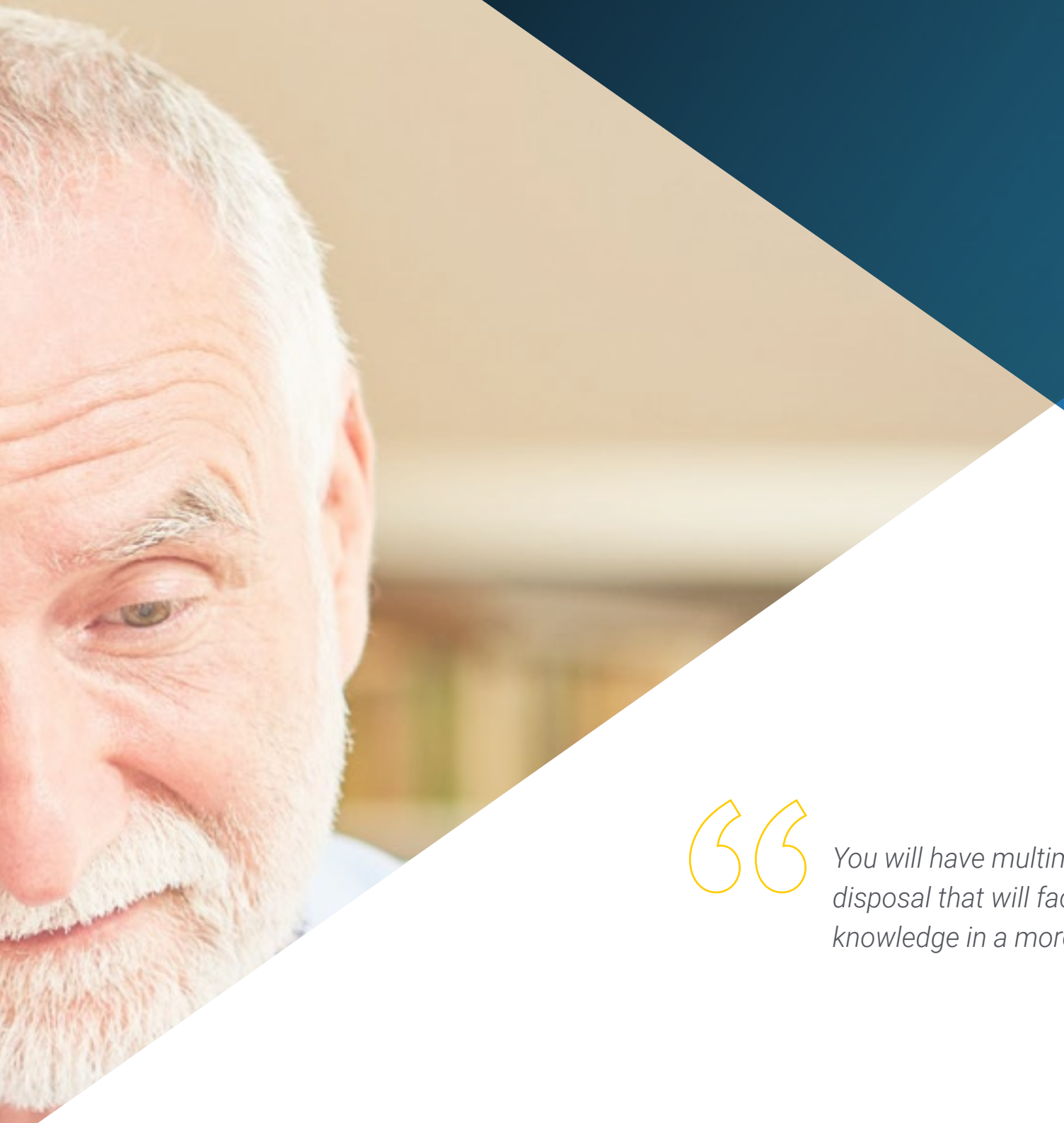
- Founder and Director of the Clinical Neuropsychology Service at the Thomas Street Health Center
- Collaborator in the Department of Psychology, University of Houston
- Associate Editor at Neuropsychology and The Clinical Neuropsychologist
- Ph.D. in Clinical Psychology, with a specialization in Neuropsychology, 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)

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

04

Structure and Content

The study plan for this Postgraduate Certificate has been prepared by a teaching team, which has invested hours in its preparation with the sole objective of offering students the most up-to-date and innovative content. Therefore, students will find in this Diploma multimedia content that will take them throughout the 150 class hours for neuropsychological disorders, disorders due to early brain lesions, cerebral vascular disorders or brain tumors.. In addition, students will be able to expand the information through complementary teaching material.



You will have multimedia content at your disposal that will facilitate the renewal of knowledge in a more dynamic and visual way"

Module 1. Brain Injury

1.1. Neuropsychological and Behavior Disorders of Genetic Origin
- 1.1.1. Introduction
- 1.1.2. Genes, Chromosomes and Hereditary
- 1.1.3. Genes and Behavior

1.2. Early Brain Injury Disorder
- 1.2.1. Introduction
- 1.2.2. The Brain in Early Childhood
- 1.2.3. Pediatric Cerebral Palsy
- 1.2.4. Psychosyndromes
- 1.2.5. Learning Disorders
- 1.2.6. Neurobiological Disorders that Affect Learning

1.3. Vascular Brain Disorders
- 1.3.1. Introduction to Cerebrovascular Disorders
- 1.3.2. Most Common Types
- 1.3.3. Characteristics and Symptomology

1.4. Brain Tumors
- 1.4.1. Introduction to Brain Tumors
- 1.4.2. Most Common Types
- 1.4.3. Characteristics and Symptomology

1.5. Cranioencephalic Traumas
- 1.5.1. Introduction to Trauma
- 1.5.2. Most Common Types
- 1.5.3. Characteristics and Symptomology

1.6. Infections of the CNS
- 1.6.1. Introduction the CNS Infections
- 1.6.2. Most Common Types
- 1.6.3. Characteristics and Symptomology

1.7. Epileptic Disorders
  1.7.1. Introduction to Epileptic Disorders
  1.7.2. Most Common Types
  1.7.3. Characteristics and Symptomology
1.8. Alterations in the Level of Consciousness
  1.8.1. Introduction to Altered Levels of Consciousness
  1.8.2. Most Common Types
  1.8.3. Characteristics and Symptomology
1.9. Acquired Brain Injury
  1.9.1. Concept of Acquired Brain Injury
  1.9.2. Most Common Types
  1.9.3. Characteristics and Symptomology
1.10. Disorders Related to Pathological Ageing
  1.10.1. Introduction
  1.10.2. Psychological Disorders Related to Pathological Ageing

TECH provides you with an intensive Postgraduate Certificate where you can delve into acquired brain damage and the different disorders that affect the brain"

05

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.

TECH will prepare you to face new challenges in uncertain environments and achieve success in your career"

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.
The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

"At TECH you will NOT have live classes (which you might not be able to attend)"

The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

> *TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want"*

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.

Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.

A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.

"The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule"

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 assess 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.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.

As such, the best educational materials, thoroughly prepared, will be available in this program:

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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.

Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.

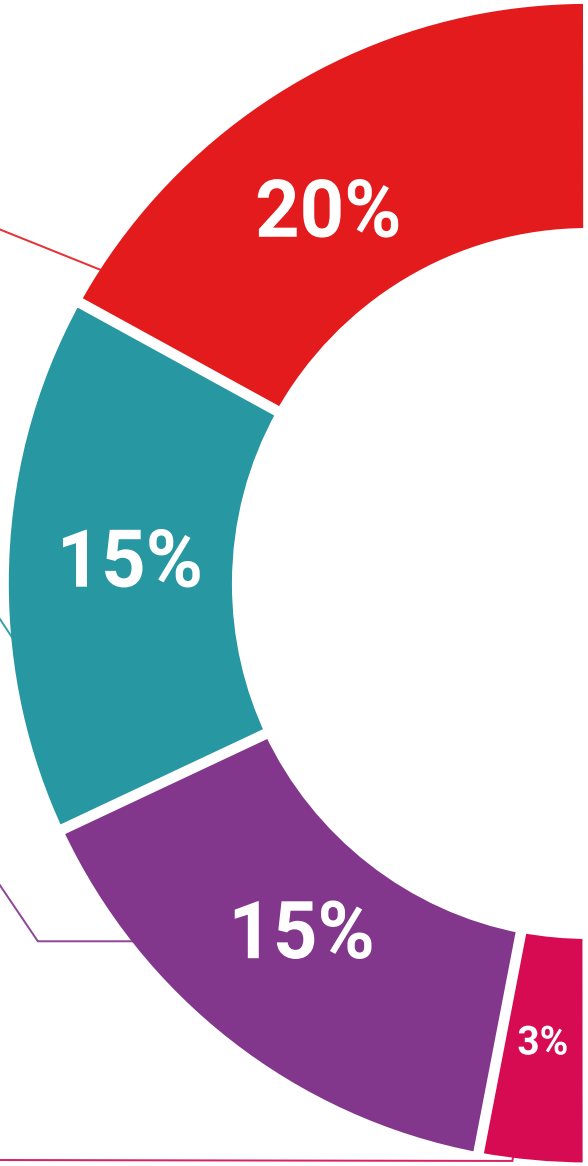
Interactive Summaries

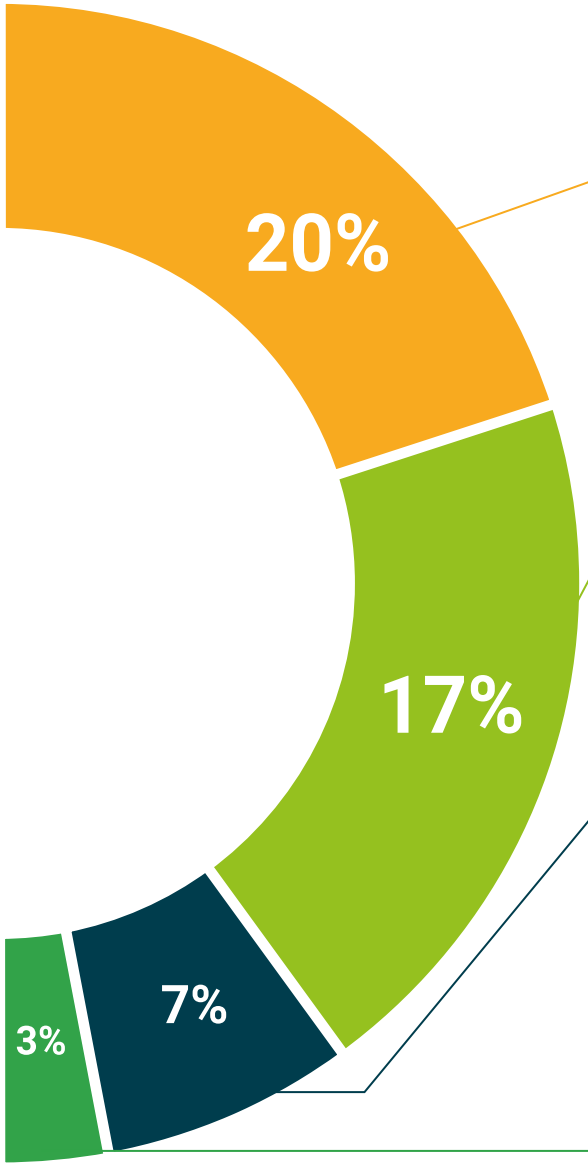
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





Case Studies

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.

Testing & Retesting

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.

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 for 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 Principles of Brain Injury guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.

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

This private qualification will allow you to obtain a **Postgraduate Certificate in Principles of Brain Injury** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra (***official bulletin***). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Principles of Brain Injury**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**


tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Certificate in Principles of Brain Injury

This is a private qualification of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. 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 Global University will make the necessary arrangements to obtain it, at an additional cost.

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