

Postgraduate Certificate

Principles of Brain Injury





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.techtute.com/us/nursing/postgraduate-certificate/principles-brain-injury

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01

Introduction

Brain damage is a condition that causes irreversible damage to the neuronal health of those who suffer from it, but also has consequences in their most immediate environment. These pathologies can appear from an early age, affecting perception and communication and even physical, cognitive and emotional alterations. Therefore, it is essential to study their origins and most common symptomatology, in order to be able to foresee them at an early stage. TECH offers a rigorous and complete program for graduates in Nursing to delve into this health branch. It is a 100% online program, with which graduates will be able to get up to date on the latest developments related to this field in just 6 weeks and with the personalized supervision of a teaching team made up of experts in Neurology.



“

Get a higher degree of specialization thanks to this Postgraduate Certificate that will bring you up to date on brain damage in only 6 weeks"

The deterioration that occurs in neuronal capacities in the period of old age is not the only cause of cerebral affection. These diseases can result from bad habits, traffic accidents or be caused by strokes or embolisms, which are cerebral infarctions. It is, therefore, a problem that often carries with it serious sequelae, which can vary in their degree and their representation depending on the person and their clinical case.

In this sense, the role of the specialist is key, as they intervene directly in the rehabilitation processes and can influence the well-being of the affected person. TECH offers a Postgraduate Certificate in Principles of Brain Injury suitable for the most demanding specialists in the health branch. In this way, the nurse will delve into the different disorders that affect the brain region, as well as their characteristics and symptomatology.

In this way, graduates in Nursing will be able to learn in depth the latest scientific evidence in the field of Neurology and optimize clinical service. Likewise, students will have all the facilities to follow the course easily and progressively through a 100% online modality. In addition, the program offers downloadable audiovisual content that makes it possible to study at any time and place, adapting to the personal and professional needs of specialists.

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 Nursing 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 self-assessment can be used 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 program that gives you the opportunity to delve into the Principles of Brain Injury from wherever you want and without fixed schedules"

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Join a program that will educate you on neuropsychological and behavioral disorders of genetic origin to streamline your ability to act in the clinical setting"

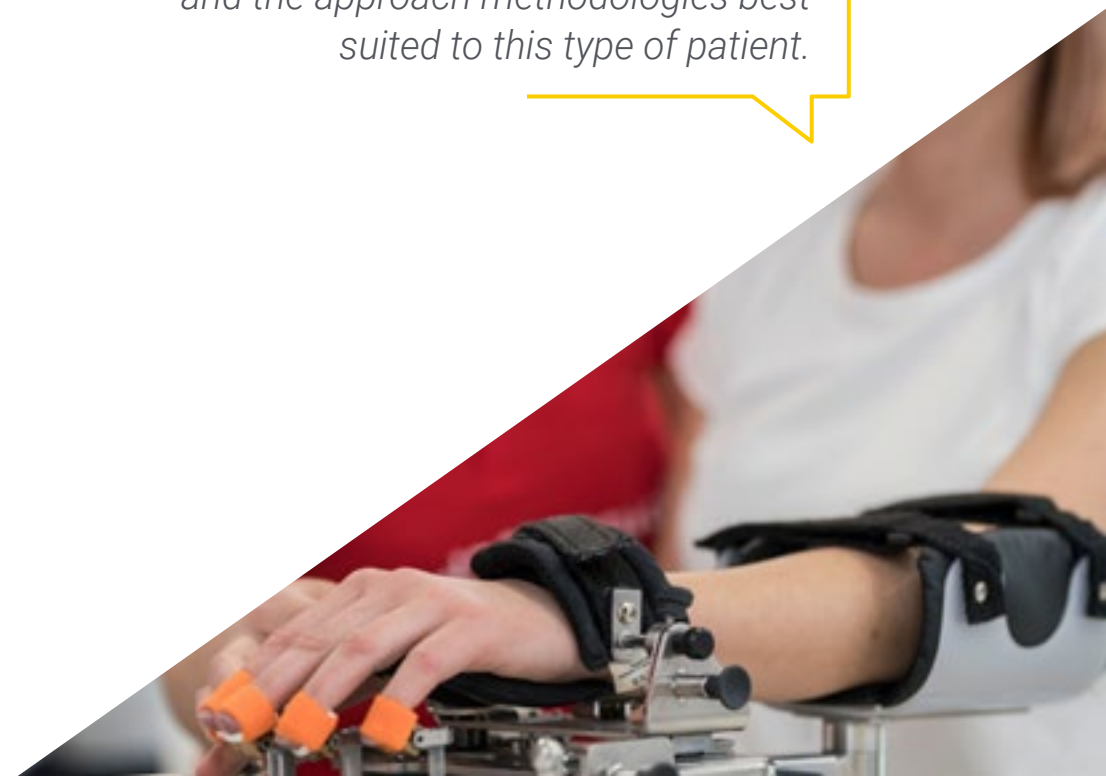
The program's teaching staff includes professionals from the sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will allow professionals to learn in a contextual and situated learning environment, i.e., a simulated environment that will provide immersive education programmed to prepare in real situations.

The design of this program focuses on Problem-Based Learning, by means of which professionals must try to solve the different professional practice situations that are presented to them throughout the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

A perfect opportunity to perfect your skills in the management of patients suffering from early brain injury disorders that affect learning.

Explore cerebral vascular disorders, as well as the most common types and the approach methodologies best suited to this type of patient.



02

Objectives

This Postgraduate Certificate in Principles of Brain Injury aims to focus nurses on the most recent research in neuronal damage in the field of neurological pathologies. With it, the user will be able to investigate cranioencephalic trauma, infections of the nervous system, epileptic disorders and their symptomatology, among other aspects. All this, so that nurses can offer optimal healthcare, as well as the appropriate information to each patient.





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Continue your work of constant updating in the Principles of Brain Injury through the analysis of cerebrovascular disorders, their typologies and most common symptoms”



General Objectives

- Provide graduates with the latest teaching tools that will allow them to know in detail the latest developments related to the 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 principles of brain injury
- Get to know and differentiate between the different types of brain injury
- Learn the different disorders derived from brain injury

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Achieve your most demanding goals with rigorous, technical instruction in the development of psychosyndromes to care for young, middle-aged and elderly patients”

03

Course Management

TECH is continually committed to academic excellence. For this reason, each of its programs has teaching teams of the highest reputation. These experts have extensive experience in their professional fields and, at the same time, have achieved significant results with their empirical research and fieldwork. In addition, these specialists play a leading role within the university qualification, as they are in charge of selecting the most up-to-date and innovative content to be included in the syllabus. In addition, they participate in the elaboration of numerous multimedia resources of high pedagogical rigor.



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The teaching materials of this program, elaborated by these specialists, have contents that are completely applicable to your professional experiences”

International Guest Director

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 design of this Postgraduate Certificate has been guided by the teaching team, which has not only worked on the syllabus, but also on the hours of additional material that graduates will find in the Virtual Classroom. TECH has been equipped with the latest teaching tools, such as the Relearning methodology, so that students can progressively follow the subject matter and dispense with long hours of memorizing content. In addition, the program has a 100% online mode and downloadable audiovisual content, which will allow the materials to be available even once the qualification has been obtained.





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A Postgraduate Certificate with which you will be able to broaden your knowledge of possible early injuries in early childhood and their consequences"

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



A program designed for healthcare professionals like you, who wish to update their knowledge of psychological disorders associated with pathological aging"

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.



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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

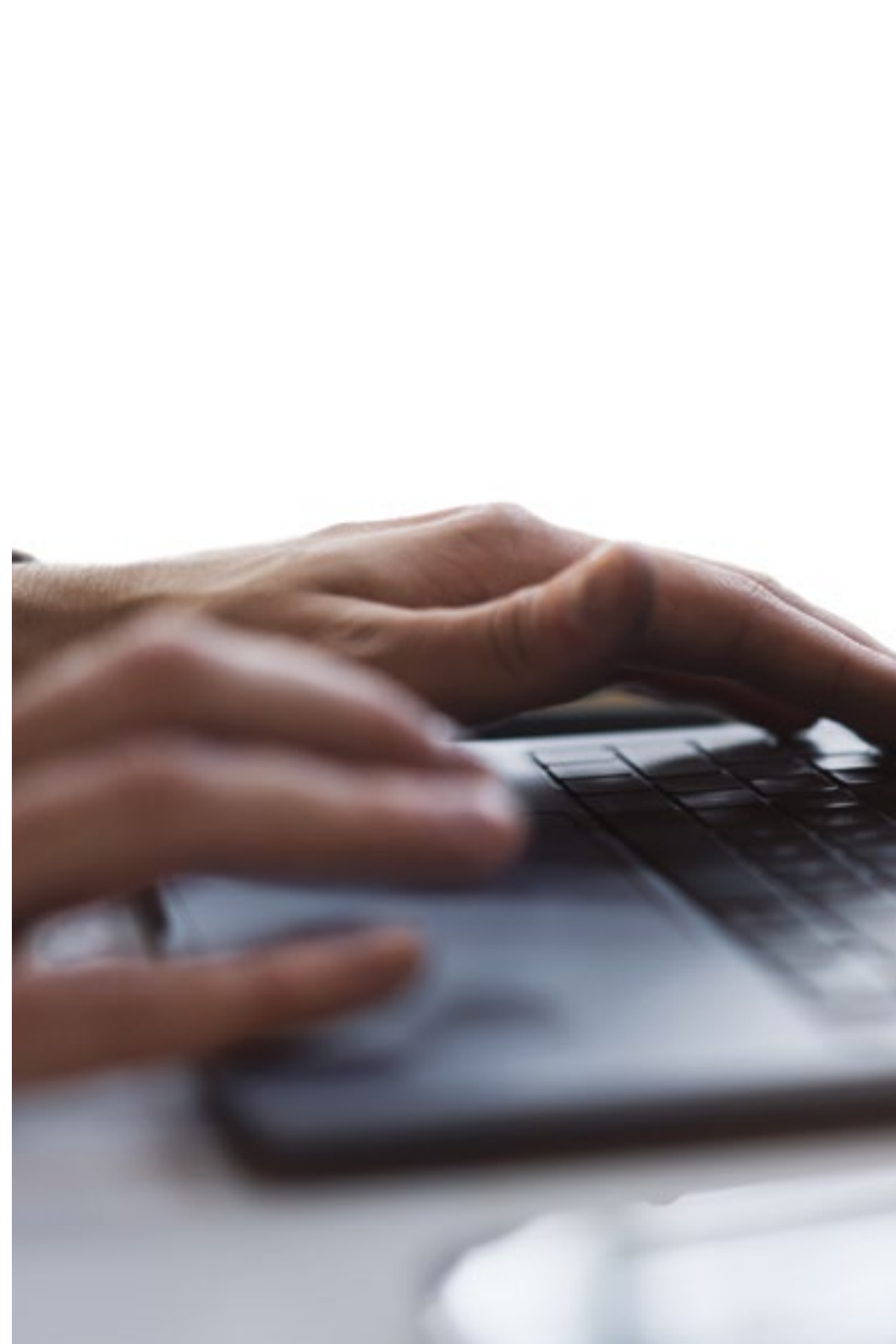
In TECH's study methodology, the student is the main protagonist.

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.

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*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

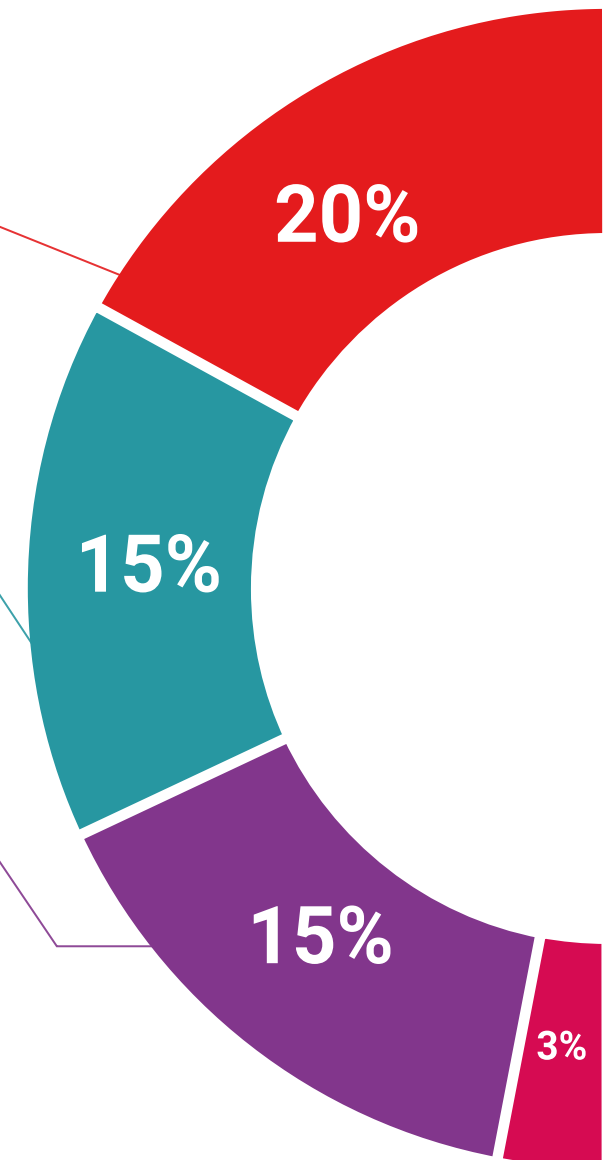
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

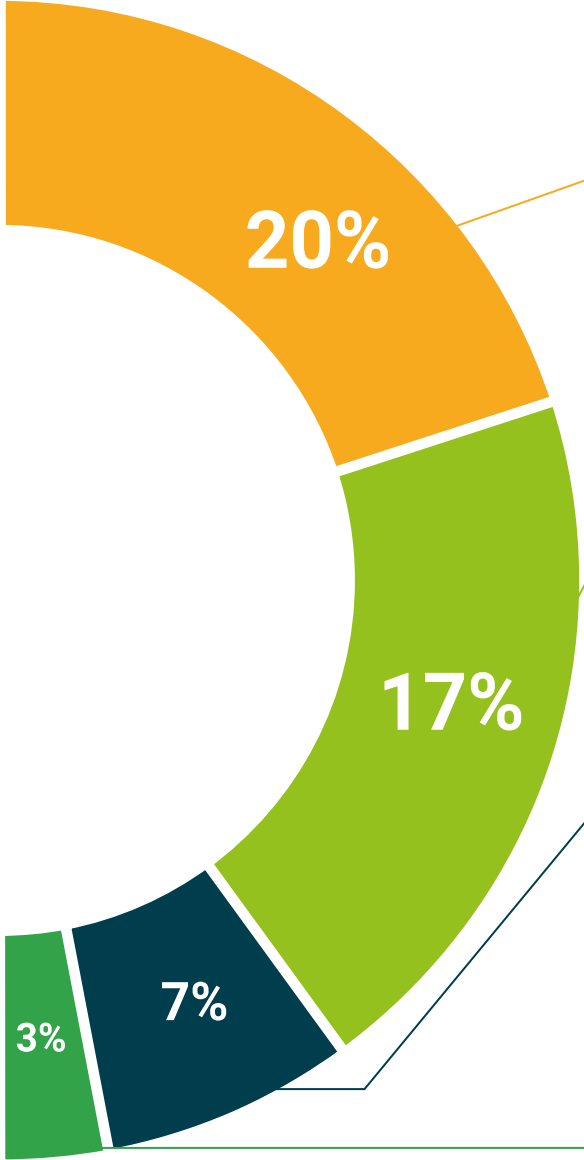
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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.



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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**



*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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Postgraduate Certificate

Principles of Brain Injury