Postgraduate Certificate Intervention in Acquired Brain Injury

Endorsed by the NBA



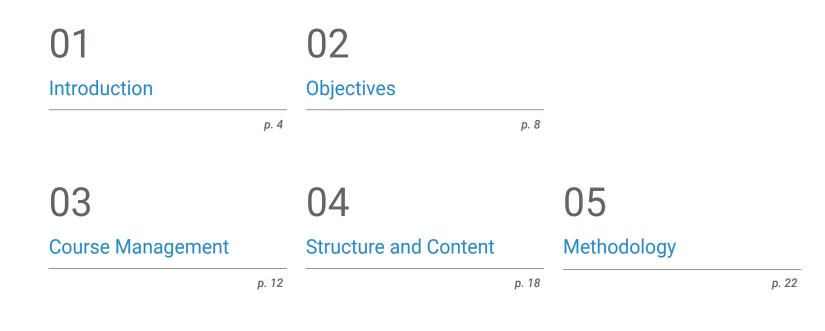


Postgraduate Certificate Intervention in Acquired Brain Injury

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 9 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/us/physiotherapy/postgraduate-certificate/intervention-acquired-brain-injury

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06 Certificate

01 Introduction

The increase in the incidence of Acquired Brain Injury (ABI), especially stroke, and its survival, make neurorehabilitation and, therefore, physiotherapy, an indispensable element, since stroke is currently a leading cause of disability. This, coupled with the public's awareness of the need for specialized professionals, is leading to an increase in the demand for physiotherapists who are able to understand how the nervous system works after an injury and how to get the most out of it to minimize the after-effects of the injury.

This Postgraduate Certificate in Intervention in Acquired Brain Injury, will give you a sense of security in the performance of your profession, which will help you to grow personally and professionally"

tech 06 | Introduction

In addition, we are living a time of great advances in the field of Neuroscience, as well as Physiotherapy as a science, which makes it necessary to update students' knowledge both about the functioning of the nervous system, as well as how to evaluate and therapeutically approach a person with ABI, since each injury is different and will manifest itself in a different way in each patient.

This Postgraduate Certificate in Intervention in Acquired Brain Injury is intended to be a compendium of the most advanced scientific evidence and knowledge on the nervous system and its rehabilitation when it is injured in a supervening way. Thanks to this, it is presented as a program capable of providing specialist training to physiotherapists who have never dealt with people with ABI, but who are interested in steering their professional future towards this type of patient.

Equally, professionals that are already neurological physiotherapists, whether or not they deal with ABI, will find the opportunity to update their knowledge and achieve a more advanced specialization in this type of patients.

In addition, by understanding so much information about Neuroscience and functionality, it can be a useful tool for the physiotherapist whose target patient is not specifically one suffering from an ABI or a neurological pathology, yet needs to know the ins and outs of the nervous system to better understand and address the injury or therapeutic need of the patient.

This training makes professionals in this field increase their capacity for success, which results in a better praxis and performance that will have a direct impact on the educational treatment, on the improvement of the educational system and on the social benefit for the whole community.

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

- Development of practical cases presented by experts in the field of Intervention in Acquired Brain Injury
- 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
- The latest developments on Intervention in Acquired Brain Injury
- It contains practical exercises where the self-assessment process can be carried out to improve learning
- With special emphasis on innovative methodologies in Intervention in Acquired Brain Injury
- All of this will be complemented by 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

Update your knowledge through the Postgraduate Certificate in Intervention in Acquired Brain Injury"

Introduction | 07 tech

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This Postgraduate Certificate is the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in Intervention in Acquired Brain Injury, you will obtain a qualification from TECH Global University"

The teaching staff includes professionals from the field of Intervention in Acquired Brain Injury, who bring their experience to this program, as well as renowned specialists from leading societies and prestigious universities.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to prepare for real situations.

This program is designed around Problem-Based Learning, whereby the student must try to solve the different professional practice situations that arise throughout the program. For this, the student will be assisted by an innovative interactive video system developed by recognized experts in the field of Intervention in Acquired Brain Injury, and with extensive teaching experience. Increase your decision-making confidence by updating your knowledge through this Postgraduate Certificate.

Take the opportunity to learn about the latest advances in Intervention in Acquired Brain Injury and improve the care of your patients.

02 **Objectives**

The Postgraduate Certificate in Intervention in Acquired Brain Injury is oriented to facilitate the practice of the physiotherapist in their daily work related to Intervention in Acquired Brain Injury.



This Postgraduate Certificate in Intervention in Acquired Brain Injury, with the use of the latest educational technology, to contribute with quality and safety to decision making"

tech 10 | Objectives



General Objectives

- Learn to locate the different anatomical structures of the region
- Identify pathologies to ensure correct ultrasound guided physiotherapy treatment
- Define the limits of ultrasound
- Learn about the use of ultrasound in the framework of physiotherapist skills



666 At TECH we are committed to your future and for that reason we make the effort to bring you the most complete program on the market"



Objectives | 11 tech





Specific Objectives

- Review the most useful orthoses and support products for patients with ABI
- Learn to identify communication disorders in order to refer them to the competent professional and contemplate them in the patient's overall condition
- Learn to identify swallowing disorders in order to refer them to the competent professional and contemplate them in the overall condition of the patient
- Learn to identify behavioral disorders secondary to ABI in order to refer them to the competent professional and contemplate them in the overall condition of the patient
- Take into account the emotional state of the patient and the family and how it affects the approach and rehabilitation

03 Course Management

The program includes in its teaching staff reference specialists in Intervention in Acquired Brain Injury, who pour into this program the experience of their work. In addition, other specialists of recognized prestige participate in its design and elaboration, completing the program in an interdisciplinary manner.

Learn from reference professionals, the latest advances in the procedures in the field of Intervention in Acquired Brain Injury"

tech 14 | Course Management

Management



Ms. De Andrés Garrido, Berta

- Coordinator of the area of Physiotherapy in Neurointegra
- Coordinator of the Section of of the Spanish Society of Neurology
- Neurophysiotherapist at the Neurological Rehabilitation Center Neurointegra
- Responsible for Training at Neurointegra Neurological Rehabilitation Center
- Professor of postgraduate studies in Physiotherapy for Acquired Brain Injury
- Diploma in Physiotherapy from the University Alfonso X El Sabio of Madrid
- Master in Physiotherapy in the Neurological Approach to Child and Adult by the University of Murcia
- Master in Neurological Physiotherapy by the University Pablo de Olavide

Professors

Dr. Aguado Caro, Patricia

- Neuropsychologist Specializing in Pediatric Treatment
- Neuropsychologist at the Neurological Rehabilitation Center Neurointegra
- Neuropsychologist at Ineuro
- Degree in Psychology from the University of Seville.
- Master's Degree in Pediatric Neuropsychology from the Pablo Olavide University
- Master's Degree in Neurosciences and Behavioral Biology, Pablo de Olavide University.
- Expert in Speech Therapy by ICSE

Dr. Narbona González, Natividad

- Neuropsychologist in Neurointegra
- Neuropsychologist Aljarafe CPM
- Neuropsychologist Asperger Syndrome Association of Seville
- PhD from the University of Seville
- PhD in Neuroscience. Pablo from Olavide University, Sevilla
- Master's Degree in Advanced Studies of the Brain and Behavior. University of Seville
- Expert in Psychosocial Patient Support, Health Services. University of Seville

Course Management | 15 tech

Dr. Rodríguez Sánchez, Augusto Rembrandt

- Researcher at the University of Seville
- Owner of ENGYmove
- Seville University Substitutes Professor
- Degree in Physical Activity and Sports Science. University of Seville
- PhD from the University of Seville
- Master in Social Education and Sociocultural Animation. University Pablo de Olavide
- Postgraduate Certificate in Physical Education University of Seville

Dr. Bacardit Riu, Laura

- Physiotherapist expert in stroke or TBI treatment
- Physiotherapist at MiT Fisioterapia
- Speaker at Physiotherapy 2.0, from opinion to evidence
- Master's in Neurorehabilitation in the Guttmann Institute (UAB)

Dr. Ferreiro Pardo, Tatiana

- Physiotherapist specialized in Neurorehabilitation in Fivan
- Pediatric physiotherapist at the Early Childhood Care Center
- Neurological physiotherapist at EuroEspes
- Physiotherapist in Residence and CD Meu Lar
- Physiotherapist Diploma in Physiotherapy from the University of Valencia
- Master's Degree in Neurosciences from the University of Santiago de Compostela.

Dr. Crespillo, Víctor

- Psychologist
- Domus vi sad Sevilla

Dr. Piñel Cabas, Inmaculada

- Occupational Therapist at Neurointegra
- Occupational therapist. Ineuro Project
- Degree in Occupational Therapy. University of Granada
- Official Master's Degree in New Trends in Health Sciences Research. University of Malaga

Dr. Lozano Lozano, Mario

- Teaching researcher in the Department of Physiotherapy, Faculty of Health Sciences, University of Granada
- Doctorate in Clinical Medicine and Public Health
- Graduate in Occupational Therapy from the University of Granada.
- Member of the Research Group of the Oncologic Patient Support Unit Cuídate
- Member of the steering committee of the European Task Force of Occupational Therapy in Palliative Care.

Dr. Salgueiro, Carina

- Physiotherapist specialized in Neurocognitive Rehabilitation.
- PhD from the University of Seville
- Degree in Physiotherapy
- Master in Rehabilitation in Neurology: Practical application of assessment and treatment
- Professional Master's Degree in Neurosciences
- Master in Translational Research in Physiotherapy
- Specialist in Bobath Concept
- Lecturer in different universities and specialized centers

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Dr. Hurtado de Mendoza Fernández, Alba

- Specialty in Cognitive Neuroscience
- Diploma in Occupational Therapy
- Master's Degree in Neuroscience
- Specialty in Cognitive Neuroscience
- Advanced training in Neurorehabilitation

Dr. Agúndez Leroux, Sandra

- Occupational Therapist Specialised in Neurorehabilitation
- Occupational Therapist at Neurointegra Neurological Rehabilitation Center
- Occupational Therapist at Ineuro SCA
- Occupational Therapist at Plena Inclusión
- Graduated in Occupational Therapy at the University of Extremadura.
- Master in Research in Social and Health Sciences by the University of Extremadura.
- Master in Occupational Neurotherapy from Pablo de Olavide University.

Dr. García Peñalver, Antonio Francisco

- Specialist in Physiotherapy
- Home Physiotherapist in Motril
- Physiotherapist at Europe Physiotherapy Clinic.
- Master's Degree in Neurophysiotherapy from the Pablo Olavide University
- Diploma in Physiotherapy from the University of Granada
- Course in Perinatal Aquatic Activities
- Course in Mulligan Concept modules A and B
- Postgraduate course in Neuromuscular Taping
- Physiotherapeutic Treatment of Temporomandibular Disjunctions

Dr. Ferrand Ferri, Patricia

- Specialist in Physical Medicine and Rehabilitation expert in Cerebral Palsy.
- Physician Specialist in Physical Medicine and Rehabilitation at University Hospital Virgen del Rocío
- Speaker at congresses related to his specialty
- Co-author of the article "Analysis of consistency of temporo-spatial parameters with gait assessment in stroke patients"

Dr. Arjona Vegas, María Del Rocío

- Speech therapist expert in Speech Therapy Intervention for Brain Injuries
- Speech Therapist in San Juan de Dios Hospital, Seville
- Speech therapist at INEUROSCA
- Speech therapist at Casaverde Hospital
- Diploma in Speech Therapy from the University of Malaga.
- Specialization Course in Speech Therapy Intervention in Cerebral Damage by the
- Official College of Speech-Language Pathologists of Andalusia
- Specialization Course in Autism Spectrum Disorders by the Official College of Speech-Language Pathologists of Andalusia

Dr. Aguirre Moreno, Arantzazu

- Occupational Therapist Child and Adolescent
- Occupational Therapist at the Child and Adolescent Mental Health Day Hospital Unit
- Occupational Therapist at Clínica Galey
- Occupational Therapist at Orion Child Therapy Center
- Teacher in courses and workshops related to Sensory Integration.
- Diploma in Occupational Therapy from the Complutense University of Madrid.
- Master's Degree in Early Childhood Care in ITEAP

Course Management | 17 tech

Dr. Abeledo, Juan Luis

- Physiotherapist specializing in Aquatic Therapy for people with disabilities
- Physiotherapist in Upacesur Foundation
- Physiotherapist at the Rehabilitation Institute of Ceutí
- Physiotherapist at the Association of Disabled People of Rota.
- Vice-president of RETacua
- Diploma in Physiotherapy from the University of Cadiz
- Postgraduate Specialist in Hydrotherapy from Castilla La Mancha University
- Courses and participation in conferences on physiotherapy applied to people with brain complexities

Dr. Calderón Lucena, Antonio

- Medical Park Rehabilitation Clinic (Bad Feilnbach)
- Occupational Therapist

Dr. Gómez Soriano, Julio

- Head of the Research Group in Physiotherapy Toledo (GIFTO) University School of Nursing
- Toledo Physiotherapy at the University of Castilla la Mancha (UCLM)
- Collaborating researcher of the Sensory-Motor Function Group at the National Hospital of Paraplegics in Toledo.
- PhD in Neurological Pathology from the Department of Physiotherapy, Occupational Therapy, Rehabilitation and Physical Medicine.
- Master's Degree in Neurological Pathology and PhD from Rey Juan Carlos University
- Diploma in Physiotherapy
- Degree in Physical Activity and Sports Sciences from UCLM.

Dr. Del Barco Gavala, Alberto

- Clinical Neuropsychologist at the Valencian Neurorehabilitation Institute Foundation.
- Coordinator of the Clinical Neuropsychology Program at the Virgen Macarena University Hospital
- Clinical Neuropsychologist at Charbel Neurorehabilitation Institute.
- Clinical Neuropsychologist at the Jerez de la Frontera General Hospital.
- Director of the Clinical Neuropsychology Consortium.
- Author of the book Neuropsychology of Brain Injury due to Stroke and TBI.
- Professor in postgraduate university studies.
- Degree in Psychology from the University of Granada
- Master's Degree in Clinical Neuropsychology from the Pablo Olavide University



Our teaching team will provide you with all their knowledge so that you are up to date with the latest information on the subject"

04 Structure and Content

The structure of the contents has been designed by a team of professionals from the best educational centers, universities, and companies, aware of the relevance of current specialization in order to intervene in the training and support of students, and committed to quality teaching through new educational technologies.

This Postgraduate Certificate in Intervention in Acquired Brain Injury contains the most complete and up-todate scientific program on the market"

tech 20 | Structure and Content

Module 1. Intervention

1.1. Acute, Subacute and Chronic Phases in ABI

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- 1.2. Ease of Movement
- 1.3. Neurodynamics
- 1.4. Mirror Therapy
- 1.5. Approach in Context
- 1.6. Approach Oriented to the Task
- 1.7. Intensive Treatment
- 1.8. Constraint Induced Movement Therapy
- 1.9. Dry Needling for Spasticity
- 1.10. Therapeutic Exercise
- 1.11. Hydrotherapy
- 1.12. Electrotherapy
- 1.13. Robotics and Virtual Reality
- 1.14. Work Models
- 1.15. Pharmacology
- 1.16. Botulinum Toxin
- 1.17. Speech Therapy
- 1.18. Occupational Therapy
- 1.19. Cognitive Deficit Implications on Movement
- 1.20. Behavioral Disorders
- 1.21. Psychological Care for Patients and Their Family
- 1.22. Orthopedics



Structure and Content | 21 tech



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.

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

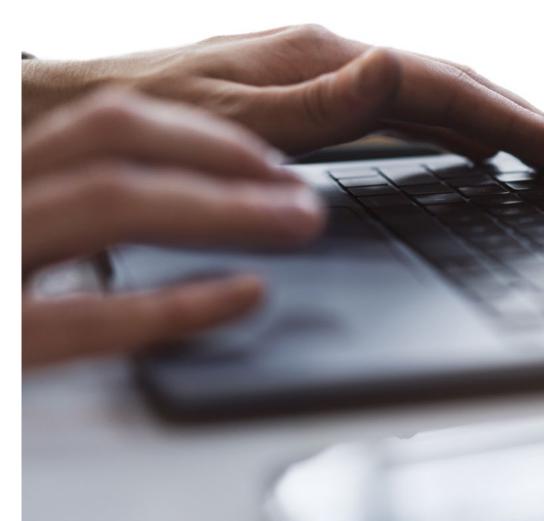
tech 24 | Study Methodology

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.

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



Study Methodology | 25 tech



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"

tech 26 | Study Methodology

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.



Study Methodology | 27 tech

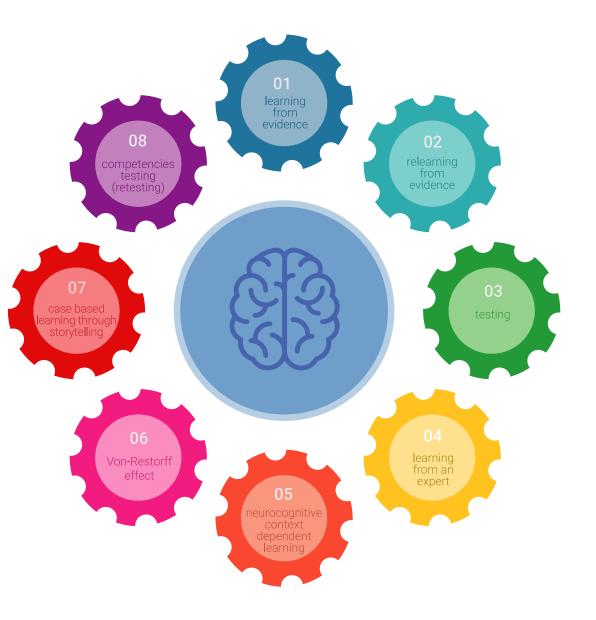
Relearning Methodology

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.



tech 28 | Study Methodology

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).

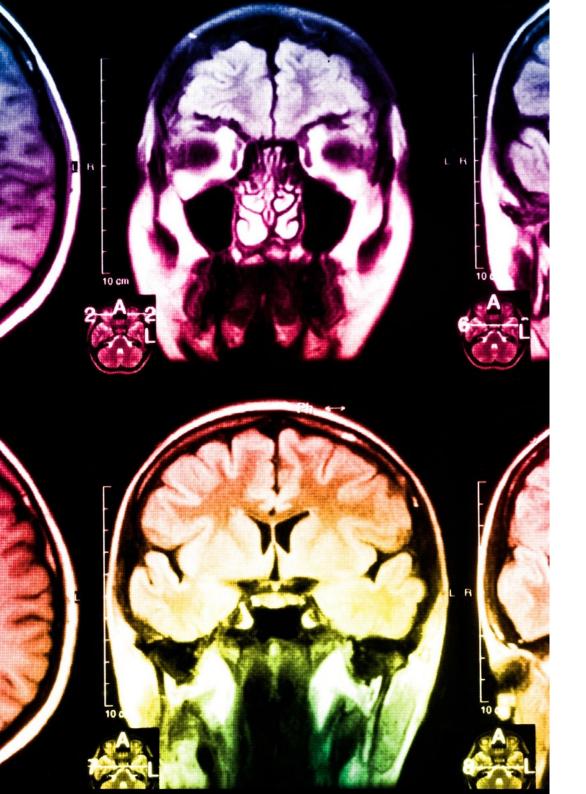
Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



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:

- 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.



Study Methodology | 29 tech

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 quality of teaching, quality of materials, course structure and objectives is excellent. Not surprisingly, the institution became the best rated university by its students on the Trustpilot review platform, 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.

tech 30 | Study Methodology

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.

20%

15%

3%

15%

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.

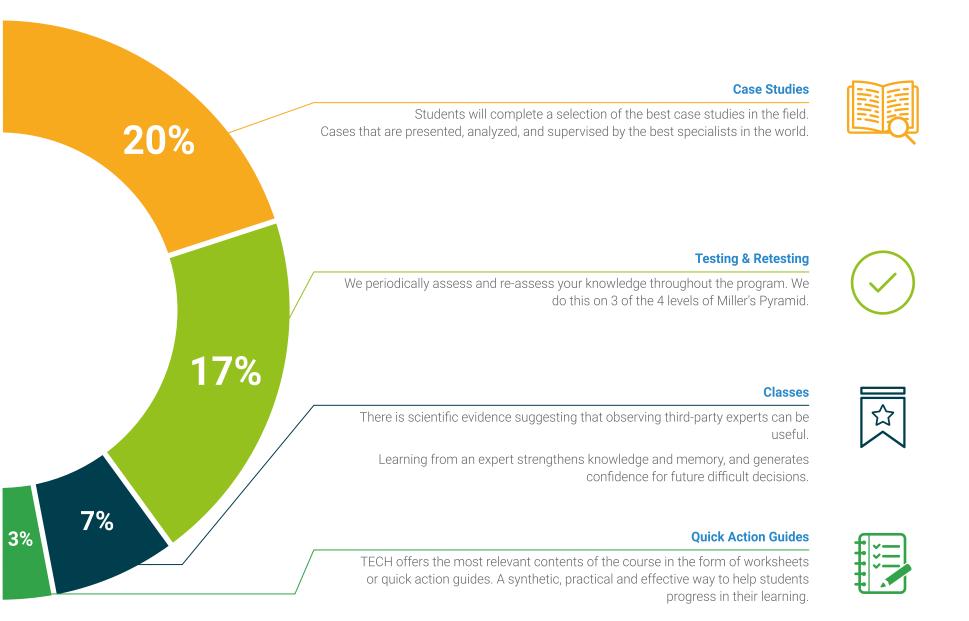
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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

Study Methodology | 31 tech



06 **Certificate**

The Postgraduate Certificate in Intervention in Acquired Brain Injury guarantees, in addition to the most accurate 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"

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This private qualification will allow you to obtain a **Postgraduate Certificate in Intervention in Acquired 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 Intervention in Acquired Brain Injury Modality: online Duration: 6 weeks Accreditation: 9 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...

tech global university Postgraduate Certificate Intervention in Acquired Brain Injury » Modality: online » Duration: 6 weeks » Certificate: TECH Global University » Accreditation: 9 ECTS

- » Schedule: at your own pace
- » Exams: online

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