

Postgraduate Certificate Physical Neuroeducation and Learning

Endorsed by the NBA



tech technological
university





Postgraduate Certificate Physical Neuroeducation and Learning

- » Modality: online
- » Duration: 3 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/us/sports-science/postgraduate-certificate/physical-neuroeducation-learning

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01

Introduction

Physical neuroeducation has become a novel working perspective that integrates the importance of physical exercise with health. This approach integrates educational sciences and neurology, taking the learning process a step further. It is possible then to understand how, through physical activity, the development of knowledge occurs in children, from a scientific perspective. This is the main reason why the program focused on this field of action, training professionals to understand these processes and help children from an early age.





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Discover the latest advances in neuroscience and their importance for the physical and mental education of children.”

In recent years, a new discipline has been developed to identify how the interaction of the environment intervenes in the brain's learning process. This new trend is known as physical neuroeducation and has led to a new educational approach that encompasses different areas of knowledge. Specifically in the area of sports activity, it integrates the importance of physical activity and mental health.

For all these reasons, the program was created around Physical Neuroeducation and Learning. This helps professionals to implement strategies for disease prevention and quality of life improvement in terms of cardiovascular and other risk diseases.

Furthermore, it is a 100% online Postgraduate Certificate that provides students with comfortable study and ease, wherever and whenever they want it. All you need is a device with internet access to take your career one step further. A modality in accord with the current times and all the guarantees to position professionals in a highly demanded field.

This Postgraduate Certificate in Physical Neuroeducation and Learning is the most comprehensive and up-to-date educational program on the market. The most important features of the program include:

- ◆ Practical cases presented by experts in Neuroeducation.
- ◆ The graphic, schematic, and eminently 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.
- ◆ 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.



Understand holistic learning and ensure the motor and emotional development of the children in your care."

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Stay at the forefront of your profession and acquire the knowledge that will help you position yourself as an expert in child development."

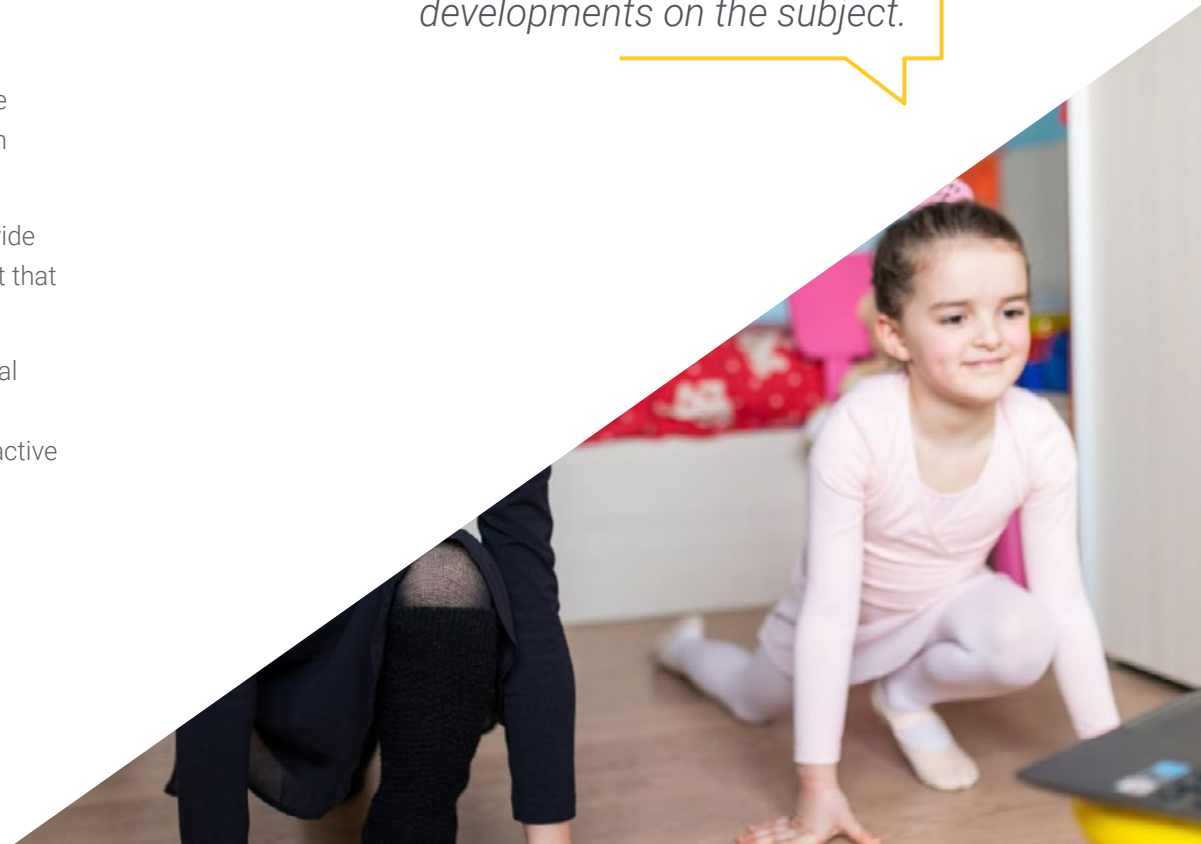
The program's teaching staff includes professionals from the sector who contribute their work experience to this training program, as well as renowned specialists from leading societies and prestigious universities.

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 training programmed to train in real situations.

This program is designed around Problem Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

Understand the importance of physical activity in children's development and learning.

This Postgraduate Certificate has the best didactic material based on the latest scientific developments on the subject.



02 Objectives

The Postgraduate Certificate in Physical Neuroeducation and Learning has been designed and conceived with the objective of providing students with the most in-depth knowledge in the field of physical neuroeducation. Each lesson will be an intensive training, where future graduates will be able to understand how sport and physical activity have a direct impact on the acquisition of knowledge in children. A unique professional growth opportunity designed only for those who want to be at the forefront of a growing profession.





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In each lesson you will be able to understand which are the main neurotransmitters and hormones that are related to psychomotor development.”



General Objectives

- ◆ Implement the innovations in Neuroeducation in the subject of Physical Education.





Specific Objectives

- ◆ Explain the main neurotransmitters and hormones related to motor action and learning ability.
- ◆ Apply strategies for disease prevention and improvement of quality of life in terms of cardiovascular and other risk diseases.
- ◆ Describe the different motor tasks that have an impact on brain development.



Study a unique program that will boost your professional career."

03

Course Management

The syllabus was put together by an excellent group of professionals with extensive experience in the field, joining together to create an academic program that includes everything students need to specialize in Physical Neuroeducation and Learning, perfectly meeting the demands of today's labor market. This is what will ensure students the certainty of receiving the most updated and complete information, being able to almost immediately put everything they learn in each class into practice.





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The program puts theory into practice by following the examples of real cases dictated by professionals in the field of neuroscience.”

Management



Ms. Pellicer Royo, Irene

- ◆ Degree in Physical Activity and Sports Science Master's Degree in Medical Sciences Applied to Physical Activity and Sport
- ◆ Diploma in Management and Administration of Sports Entities
- ◆ Master's Degree in Emotional Education and Well-being
- ◆ Postgraduate in Neuroeducation Learning to Our Full Potential

Professors

Dr. De la Serna, Juan Moisés

- ◆ Doctor in Psychology Master's Degree in Neurosciences and Behavioral Biology
- ◆ Director of the Open Forum in Psychology and Neurosciences and science communicator.
- ◆ Diploma in Didactic Methodology
- ◆ University Specialist in Clinical Hypnosis
- ◆ Expert in Project Management Occupational Trainer

Dr. Navarro Ardoy, Daniel

- ◆ PhD Exercise Physiology Applied to Health
- ◆ Physical Activity and Health Program Faculty of Medicine
- ◆ 6-month research stay at Karolinska Institute Stockholm (Sweden)
- ◆ Degree in Physical Activity and Sports Science

Ms. Rodríguez Ruiz, Celia

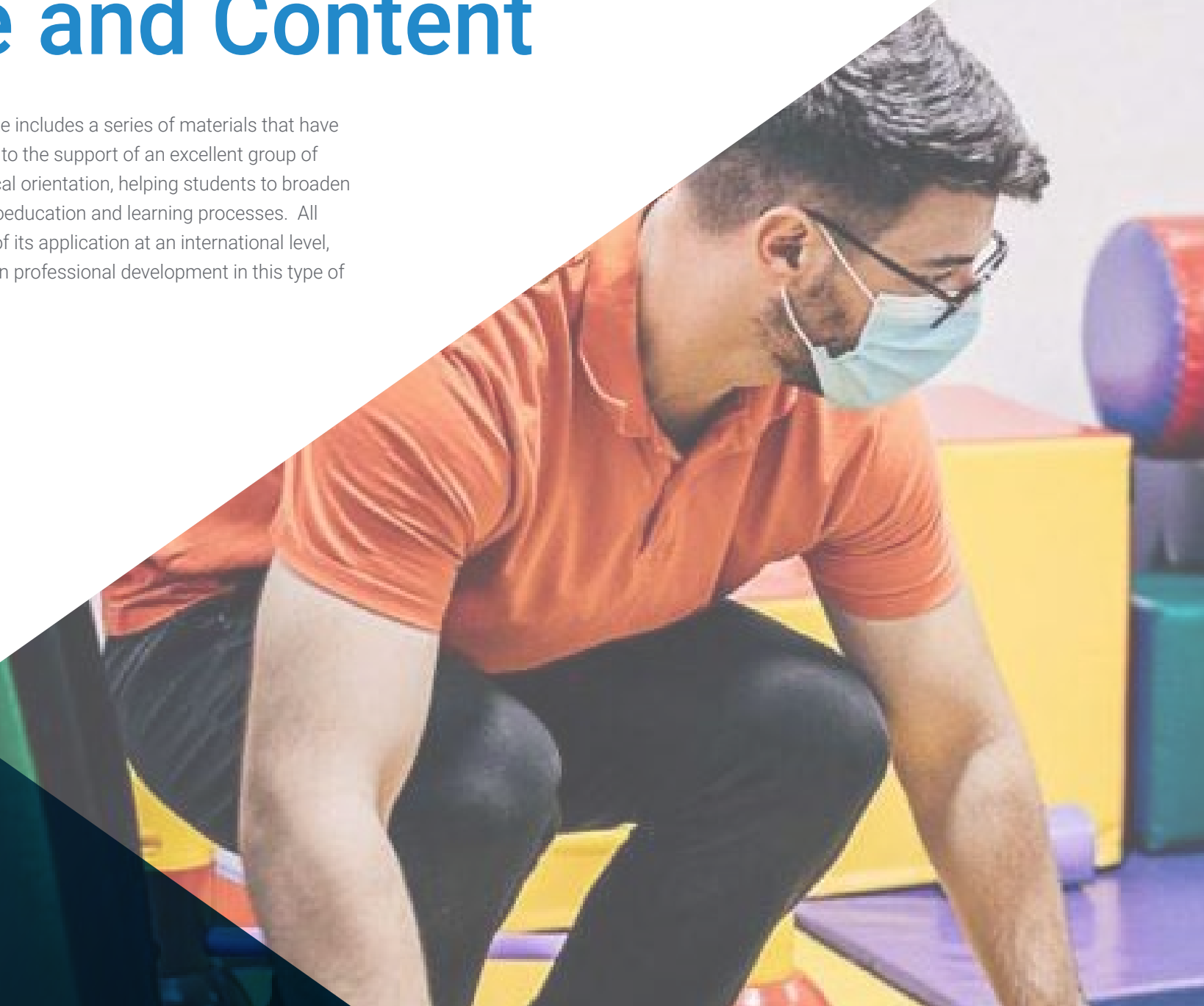
- ◆ Degree in Pedagogy Degree in Psychology
- ◆ Specialization in Clinical Psychology and Child Psychotherapy
- ◆ Specialization in Cognitive Behavioral Therapy in Childhood and Adolescence



04

Structure and Content

The syllabus for this Postgraduate Certificate includes a series of materials that have been designed in multimedia format thanks to the support of an excellent group of professionals, following a theoretical-practical orientation, helping students to broaden their knowledge in the field of physical neuroeducation and learning processes. All this, from a global perspective for the sake of its application at an international level, incorporating all the fields of work involved in professional development in this type of work environment.





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Grow with a curriculum full of quality content designed by experts.”

Module 1. Physical Neuroeducation and Learning

- 1.1. Body-Brain Language and Embodied Cognition
 - 1.1.1. Embodied Cognition
- 1.2. Mental Health and Exercise
 - 1.2.1. Mental Health and Exercise
- 1.3. Development of Cognitive Functions through Physical Exercise
 - 1.3.1. Cognitive Functions and Physical Exercise
- 1.4. Executive Attention and Exercise
 - 1.4.1. Executive Attention and Physical Exercise
- 1.5. Working Memory in Motor Action
 - 1.5.1. Working Memory
- 1.6. Improvement of Cognitive Performance Derived from Motor Action
- 1.7. Academic Results and Their Relation to Physical Exercise
- 1.8. Positive Influence of Motor Skills on Students with Learning Difficulties
- 1.9. Pleasure, a Fundamental Element in Physical Neuroeducation
- 1.10. General Recommendations for the Implementation of Didactic Proposals





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TECH motivates you to go beyond, that's why it will help you to take a Postgraduate Certificate with the guarantees of fulfilling a professional profile at an international level."

05 Methodology

This training provides you with a different way of learning. Our methodology uses a cyclical learning approach: **Re-learning**.

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





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Discover Re-learning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization.

At TECH we use the Case Method

Our program offers you a revolutionary approach to developing your skills and knowledge. Our goal is to strengthen your skills in a changing, competitive, and highly demanding environment.

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With TECH you can experience a way of learning that is shaking the foundations of traditional universities around the world.”



Our University is the first in the world to combine Harvard Business School case studies with a 100%-online learning system based on repetition.



A learning method that is different and innovative.

This Sports Science program at TECH Technological University is an intensive program that prepares you to face all the challenges in this field, both nationally and internationally. The main objective is to promote your personal and professional growth. For this purpose, we rely on the case studies of Harvard Business School, with which we have a strategic agreement that allows us to use the materials used in the most prestigious university in the world: HARVARD.

“*We are the only online university that offers Harvard materials as teaching materials on its courses.*”

The student will learn, through collaborative activities and real cases, how to solve complex situations in real business environments.

The case method has been the most widely used learning system among the world's leading business schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

In a given situation, what would you do? This is the question that you are presented with in the case method, an action-oriented learning method. Throughout the course, you will be presented with multiple real cases. You will have to combine all your knowledge, and research, argue, and defend your ideas and decisions.

Re-learning Methodology

Our University is the first in the world to combine Harvard University case studies with a 100%-online learning system based on repetition, which combines 16 different teaching elements in each lesson.

We enhance Harvard case studies with the best 100% online teaching method: Re-learning.

In 2019 we obtained the best learning results of all Spanish-language online universities in the world.

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Re-learning.

Our University is the only one in the world licensed to incorporate this successful method. In 2019 we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best Spanish online university indicators.





In our program, learning is not a linear process, but rather a spiral (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

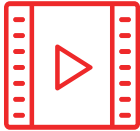
With this methodology we have trained more than 650,000 university graduates with unprecedented success. In fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, markets, and financial instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Re-learning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

Based on the latest evidence in neuroscience, not only do we know how to organize information, ideas, images, memories, but we also know that the place and context where we have learned something is crucial for us to be able to remember it and store it in the hippocampus, and retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.

In this program you will have access to the best educational material, prepared with you in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is really 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.



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 our difficult future decisions.



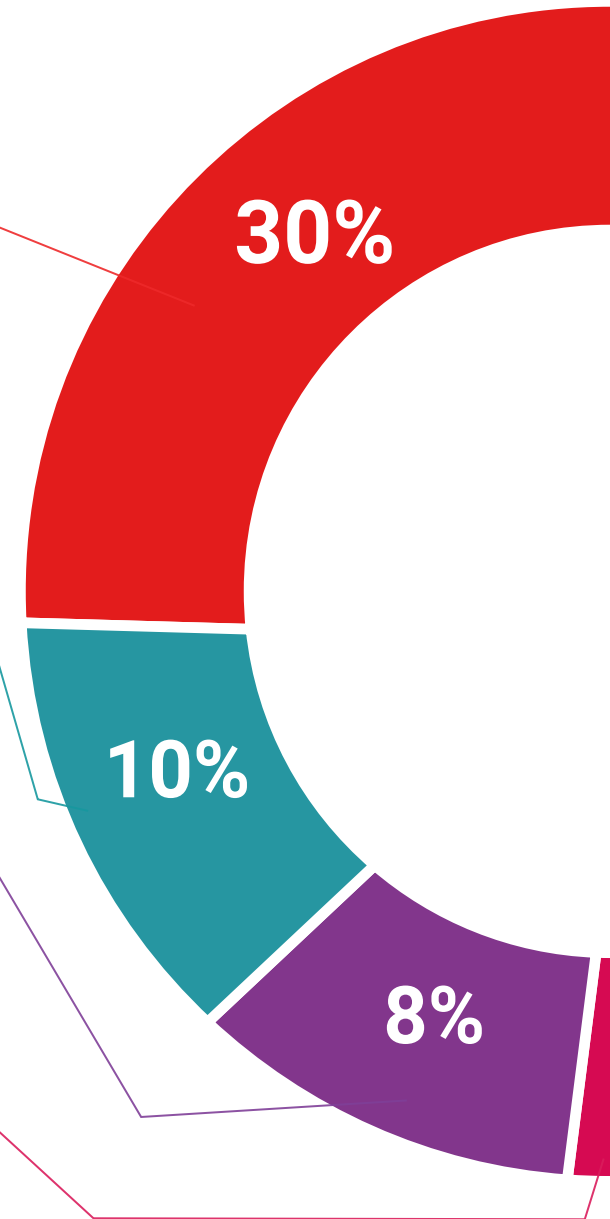
Practising Skills and Abilities

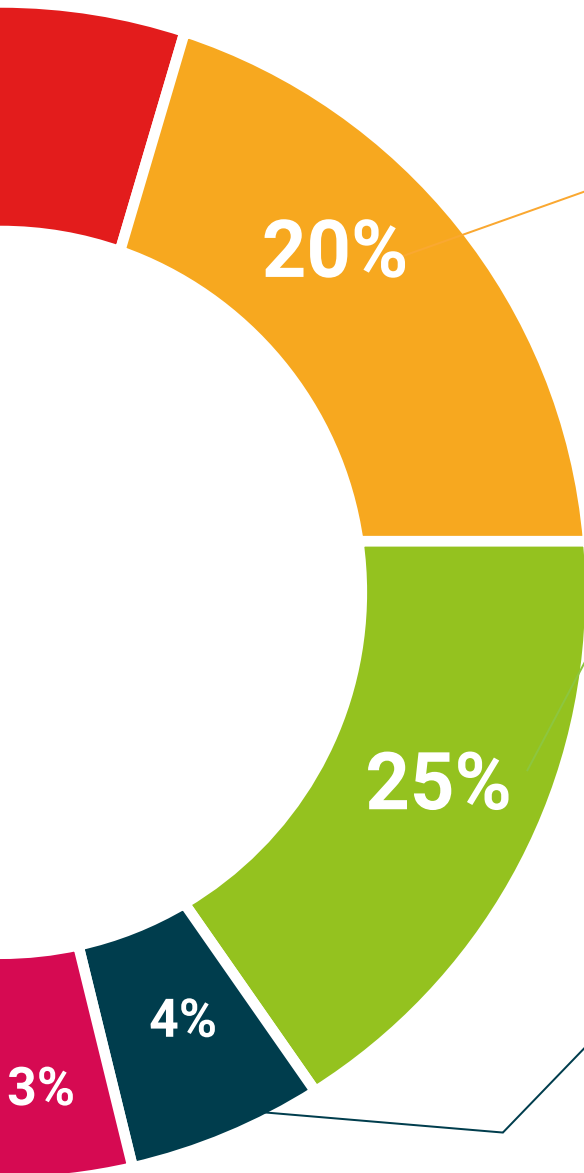
You will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization we live in.



Additional Reading

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





Case Studies

You will complete a selection of the best case studies in the field used at Harvard. Cases that are presented, analyzed, and supervised by the best senior management specialists in Latin America.



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 unique training system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Testing & Retesting

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



06

Certificate

The Postgraduate Certificate in Physical Neuroeducation and Learning guarantees, in addition to the most rigorous and updated training, access to a qualification issued by TECH - Technological University.



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Successfully complete this training and receive your university degree without travel or laborious paperwork.”

This **Postgraduate Certificate in Physical Neuroeducation and Learning** is the most comprehensive and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH - Technological University** via **tracked delivery**.

The certificate issued by **TECH - Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Physical Neuroeducation and Learning**

ECTS: **6**

Official Number of Hours: **150**

Endorsed by the NBA



*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

future
health confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present
development languages
virtual classroom



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