

# Hybrid Master's Degree Physiotherapy in Early Care





## Hybrid Master's Degree Physiotherapy in Early Care

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Global University

60 + 4 ECTS Credits

Website: [www.techtute.com/us/physiotherapy/hybrid-master-degree/hybrid-master-degree-physiotherapy-early-care](http://www.techtute.com/us/physiotherapy/hybrid-master-degree/hybrid-master-degree-physiotherapy-early-care)

# Index

01

Introduction

---

*p. 4*

02

Why Study this Hybrid  
Master's Degree?

---

*p. 8*

03

Objectives

---

*p. 12*

04

Skills

---

*p. 18*

05

Course Management

---

*p. 22*

06

Educational Plan

---

*p. 26*

07

Clinical Internship

---

*p. 34*

08

Where Can I Do the Clinical  
Internship?

---

*p. 40*

09

Methodology

---

*p. 48*

10

Certificate

---

*p. 56*

# 01

# Introduction

During the first years of a human being's life, a good psychomotor development is fundamental, which is acquired progressively and then perfected in later years. In the field of early physiotherapy, progress has been made in recent years, thanks to scientific studies that help to understand the functioning of human beings from birth. That is why having professionals qualified in this area is the key to therapies and treatments that help infants with any pathology.





“

*The Hybrid Master's Degree in  
Physiotherapy in Early Care combines  
theory with practice, following the latest  
developments in this field"*

The field of early physiotherapy includes assessment, treatment and monitoring of the child from birth to assess risk situations and possible disorders that may occur at this stage, impairing their future development. The environment surrounding the infant and their family is also taken into account here. The professional in this field performs a diagnosis from a functional point of view, promoting acquisition of new skills.

The Hybrid Master's Degree in Physiotherapy in Early Care provides students with the best of theoretical knowledge and the acquisition of new skills through practice. This field of work is of utmost importance for the development of new treatments and techniques to improve children motor skills. This way, it provides a deep knowledge through a program developed by experts in the sector, ranging from the generality of development to the pathologies that can develop in this area.

Motor development problems are not the only topic to be studied in this problem. Childhood obesity has become a public health problem of concern to many professionals. In 2016, the World Health Organization estimated that about 41 million children under 5 years of age worldwide already had this condition. In many cases, most of these infants continue to be obese into adulthood. As a result, developing a new perspective to address this situation is critical. In this sense, the Hybrid Master's Degree includes the perspective of experts in this area to allow professionals to learn about new therapies available to improve the mobility of overweight or obese children.

To complement this Hybrid Master's Degree, we present an Internship Program designed by experts who face new challenges every day in their work area. This way we work under a very practical and accessible program for any physiotherapist who wants to direct his professional career specializing in any branch of physiotherapy in primary care. These are very complete practices that cover any treatment and that will help the student to take the theoretical knowledge to their work field in an efficient way.

This **Hybrid Master's Degree Physiotherapy in Early Care** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Development of more than 100 clinical cases presented by professional physiotherapists who are experts in new treatments and therapies in early care
- ♦ 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
- ♦ Assessment and monitoring of the paediatric patient and the most commonly used therapies in clinical practice and, specifically, in Primary Care
- ♦ Comprehensive plans of systematized action for the main pathologies that alter the normal development of the child that alter the normal development of the child
- ♦ Presentation of hands-on workshops on diagnostic and therapeutic techniques in child patients
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout course
- ♦ Clinical practice guidelines on the approach to the most innovative and alternative treatments
- ♦ All this will be complemented with theoretical lessons, questions to the expert, discussion forums on controversial topics and individual reflection papers
- ♦ Content that is accessible from any fixed or portable device with an Internet connection
- ♦ In addition, you will be able to perform a clinical internship in one of the best hospitals in the country

“

*Enjoy an intensive 3-week stay in a prestigious center and update yourself in the latest clinical procedures to grow professionally as a Physiotherapist in Early Care"*

In this Hybrid Master's Degree proposal, of a professionalizing nature and blended learning modality, the program is intended to update nursing professionals who develop their functions in high performance centers, clinical or hospital centers, and who require a high level of qualification. The content is based on the latest scientific evidence and is organized in a didactic way to integrate theoretical knowledge into nursing practice. The theoretical-practical elements allow professionals to update their knowledge and help them to make the right decisions in patient care.

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 an immersive education program to learn in real situations. This program's design is based on Problem Based Learning, by means of which the student must try to solve different professional practice situations that will be presented throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

*It develops a more holistic and less structural way of assessing the patient by translating theoretical learning into practice in a high-level center.*

*Adapt the program to your needs and update your knowledge with a problem-based program.*



# 02

## Why Study this Hybrid Master's Degree?

In the healthcare area, especially, a solid knowledge of concepts based on scientific evidence is key, but it is also essential to adequately translate these principles into practice. Moreover, if we extrapolate this to the care of minors, this need becomes even more necessary. That is why TECH has created this Hybrid Hybrid Master's Degree that leads professionals to take a unique program in the academic scene, as it will access a theoretical framework 100% online that will take you to delve into the main pathologies in this stage, its approach from the physiotherapeutic point of view and the most accurate techniques according to the age of the infant.







“

*During 3 weeks you will be together with professionals of excellent level, specialized in Physiotherapy in Early Attention, who will show you the most relevant advances in the treatment of children"*

### **1. Updating from the latest technology available**

Undoubtedly, new technologies have made it possible to improve the quality of diagnostic imaging, to use more precise techniques and, ultimately, to improve patient health. That is why TECH has wanted to bring the professional, with this Certificate, to the most recent developments in this field, always through a team of specialists in this area, who will accompany you at all times, so that you are up to date with the tools and devices used today.

### **2. Deepening from the experience of the best professionals**

The wide team of professionals that will accompany the professional throughout the entire practical period is a first-rate guarantee and an unprecedented guarantee of updating. This way, during 3 weeks, graduates will be tutored by a specialist in Early Attention Physiotherapy who will show them the methodology and procedures performed on minor patients, in a first level environment.

### **3. Entering First-Class Clinical Environments**

TECH performs a rigorous and meticulous process of selection of all the centers available for the practical stay. Thanks to this, the specialist will have guaranteed access to a prestigious clinical environment in the area of Primary Care Physiotherapy. This way, professionals will be guided throughout the practical phase by an excellent team made up of the best specialized physiotherapists.





#### **4. Combining the Best Theory with State-of-the-Art Practice**

Physiotherapists are calling for an update of their knowledge, which is very useful and integrated into their daily practice. This is why TECH has developed this program to meet your needs. This way, it combines in an excellent way the most advanced and current theory with an intensive practical stay that will take you to be side by side with the best in this area.

#### **5. Expanding the Boundaries of Knowledge**

TECH provides an opportunity to access a unique university Certificate, which leads professionals to develop in an excellent environment, allowing them to expand their frontiers and catch up with the best in Physiotherapy in Early Care. An experience, in a reference clinical center, where a complete and first level update of techniques and tools used in this area will be carried out.

“

*You will have a total practical immersion in the center of your choice”*

# 03 Objectives

The objective of the Hybrid Master's Degree in Physiotherapy in Early Care is to bring professionals update their knowledge in new procedures and alternative therapies in an exclusively practical way. For this purpose, they will perform a stay designed by experts in the area with the highest clinical and academic rigor.





“

*This Hybrid Master's Degree will introduce you to the latest scientific advances in assessment and evaluation methods used in Physiotherapy in Early Care"*



## General Objective

---

- The main objective of this Hybrid Hybrid Master's Degree is to provide graduates with a broad knowledge of normal and pathological development in children, as well as to deepen their understanding of common childhood pathologies. This way, students will learn about the assessment and evaluation methods used in Physiotherapy in Early Care, as well as methods, techniques and tools for the effective treatment of children in this crucial stage of their development. In addition, you will understand the importance of family involvement in the early care process



*This University Certificate brings you closer to the use of Virtual Reality in Physiotherapy in Early Care"*





## Specific Objectives

---

### Module 1. Early Care

- ♦ To know in depth the evolution of Physiotherapy in pediatrics
- ♦ To learn what Early Childhood Care is and what an Early Childhood Care Center is, knowing how it works, its management and the professionals that form it
- ♦ To know in depth and manage ODAT and ICF
- ♦ To learn the importance of family involvement in Early Care and how we should communicate with them
- ♦ To know guidelines for the psychological management of children

### Module 2. Normal and Pathological Child Development

- ♦ To learn about the intrauterine development of the baby
- ♦ To know in depth the motor development of the child from 0 to 6 years of age
- ♦ To expose the development of laterality and play in children
- ♦ To identify normal and pathological reflexes in children
- ♦ To know in depth the cognitive and verbal development of children

### Module 3. Pathologies in Childhood

- ♦ To develop the main pathologies in the pediatric patient (cause, incidence and development of the and development of the disease)
- ♦ To expose the factors (prenatal, perinatal and postnatal) that may pose a risk to the normal development of the infant
- ♦ To identify the characteristic clinical signs and warning signs
- ♦ To address key elements in therapeutic intervention

### Module 4. Infantile cerebral palsy (ICP) and syndromes

- ♦ To gain an in-depth understanding of cerebral palsy, its causes and incidence
- ♦ To specialize in spasticity and its main medical treatments
- ♦ To recognize ataxia, athetosis and hypotonia
- ♦ To expose the diversity of associated problems that children with cerebral palsy
- ♦ To recognize epileptic seizures and the most common types of musculoskeletal disorders
- ♦ To have an in-depth understanding of Down syndrome and how it affects
- ♦ To recognize other syndromes such as Prader-Willi syndrome, Rett syndrome, etc

### Module 5. Advances in Neuroscience Pediatrics

- ♦ To know how to evaluate the nervous system
- ♦ To know in depth what motor learning consists of
- ♦ To identify which methods have scientific evidence
- ♦ To interpret imaging test results
- ♦ To identify in which cases telerehabilitation is feasible

### **Module 6. Pediatric Evaluation**

- ♦ To learn how to evaluate and assess motor skills in children
- ♦ To know in depth the different valuation scales
- ♦ To identify the purpose of each scale
- ♦ To identify the cases where each scale can be used
- ♦ To know how to pass the scales
- ♦ To interpret the information obtained during the assessment

### **Module 7. Effective Evaluation and Intervention in Autism**

- ♦ To identify characteristics, epidemiology and risk factors associated with children presenting Autism Spectrum Disorder (ASD)
- ♦ To apply the main questionnaires for ASD screening
- ♦ To identify the main tests for ASD diagnosis
- ♦ To recognize the main interventions used to teach new skills in different areas of development and to manage problem behaviors in children with ASD
- ♦ To address the implications and contributions of motor assessment and physical exercise in children with ASD. in children with ASD

### **Module 8. Respiratory Physiotherapy in Pediatrics**

- ♦ To acquire the ability to adequately assess the pediatric patient with respiratory pathology
- ♦ To recognize respiratory pathology and the application of appropriate treatment
- ♦ To recognize factors that may interfere with respiratory physiotherapy treatment
- ♦ To know in depth the respiratory system in depth







### **Module 9. Physiotherapy in Early Care**

- ♦ To be aware of the importance of natural environments and the new currents of intervention
- ♦ To master the game in its different stages as an effective treatment tool
- ♦ To know in depth the most used techniques with the highest level of scientific evidence in the treatment of balance difficulties, standing, postural control, mobility, etc
- ♦ To be able to elaborate a standard session from a psychomotor perspective
- ♦ To acquire knowledge about Physiotherapy in the aquatic environment
- ♦ To identify the main technical and orthopedic aids for posture and mobility in childhood
- ♦ To deepen in the context of prematurity and the importance of its accompaniment

### **Module 10. New Perspectives in Early Care**

- ♦ To know in depth what animal therapy consists of
- ♦ To acquire knowledge of sensory stimulation
- ♦ To expose the problem of childhood obesity and its consequences
- ♦ To learn what pre and post natal stimulation is all about and to be able to do a pre and post natal to do a session type
- ♦ To present options for social participation in disability
- ♦ To implement the Newborn Individualized Developmental Care and Assessment Program (NIDCAP)
- ♦ To introduce new technologies such as MHELP therapeutic options, virtual reality, etc

# 04 Skills

After passing the evaluations of the Hybrid Master's Degree in Physiotherapy in Early Care, professionals in this area will have acquired necessary professional skills to carry out all treatment techniques that are currently on the rise thanks to the scientific evidence that supports them. For this purpose, TECH provides the most innovative pedagogical tools and a practical stay in a top-level center.



“

*With this Certificate you will get an update on individualized care and assessment programs for newborn development"*



## General Skills

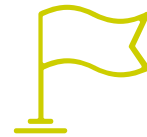
---

- Apply the knowledge acquired in this program in daily Early Care practice
- Develop care models based on the most up-to-date evidence to improve patient quality of life
- Employ tools and techniques used in Early Care Physiotherapy
- Integrate therapeutic exercise in health promotion, both in healthy and sick populations

“

*This program will allow you to enhance your technical skills in the approach to patients with general psychomotor difficulties”*





## Specific Skills

---

- Learn what pre- and post-natal stimulation consists of and how to conduct a standard session
- Elaborate a standard session from the perspective of psychomotor skills
- Know the respiratory system in depth
- Apply the main questionnaires for ASD screening
- Identify the cases where each scale can be used
- Gain in-depth knowledge of motor development in children 0-6 years old
- Thoroughly know and manage ODAT (Diagnostic Classification of Early Care) and the International Classification of Functioning, Disability and Health (ICF)

05

# Course Management

TECH seeks to provide professionals with quality programs. For this reason, it has a teaching team with extensive experience in the field of Physiotherapy in Early Care, making available to the graduate an enriching experience to update not only from the theory, but also from a practical perspective. In this sense, the physiotherapist has the guarantees it demands to expand its specialization in an important sector in the pediatric field.



“

*TECH has assembled an excellent team of professionals, who will bring you updated on techniques and evaluation methods used in patients with musculoskeletal disorders”*

## Management



### Ms. Manrique Navarro, María

- ♦ Sports Physiotherapy
- ♦ Taekwondo National Team Physiotherapist
- ♦ Sports Physiotherapist in Pedro Chueca Fisiotec
- ♦ Postgraduate Certificate in Physiotherapy by UEM
- ♦ Master's Degree in Health Sciences Research by the UJA
- ♦ Official Master's Degree in Treatment and Prevention of Sports Injuries, European University of Madrid and Real Madrid University School
- ♦ Expert in Orthopedic Manual Therapy and Osteopathy
- ♦ Course in Musculoskeletal Ultrasound level I and II by Fisiotec School of Physiotherapy
- ♦ Course in Musculoskeletal and Aesthetic Mesotherapy by Fisiotec School of Physiotherapy
- ♦ Dry needling: Conservative and Invasive Physiotherapy for Myofascial Pain by the UEM





## Professors

### Ms. Puebla Ovejero, Mar

- ♦ Pediatric Physiotherapist in the Early Childhood Care Service at Down Toledo
- ♦ Physiotherapist in the Early Attention Service of APANAS
- ♦ Pediatric Physical Therapist at ASPRODIQ
- ♦ Graduate in Physiotherapy by UFV
- ♦ Master's Degree in Physiotherapy in Pediatrics from the University CEU San Pablo
- ♦ Expert in Physiotherapy in Integrative Pediatrics by UCJC
- ♦ Course in the Approach to Infant Colic (CL)

### Ms. Cortéz Pérez, Irene

- ♦ Physiotherapist in the Andalusian Health System
- ♦ Postgraduate Course in Physiotherapy, University of Jaén
- ♦ Master's Degree in Gerontology: Longevity, Health and Quality at UJA
- ♦ Hybrid Master's Degree in Advanced Manual Physical Therapy, UJA
- ♦ Master's Degree in Health Sciences Research by the UJA
- ♦ Official Master's Degree in Nervous System Sciences Specialty in Neurorehabilitation by the UAL
- ♦ Postgraduate Diploma in Food and Nutrition in the Active Life and Sport by the UNED

# 06

## Educational Plan

The Syllabus of this Hybrid Master's Degree offers a broad perspective of the treatments and pathologies suffered by infants that require the intervention of physical therapists. Therefore, this program has an advanced syllabus, complemented with multimedia didactic resources and a Relearning system, which will allow graduates to reduce long hours of study. Once this theoretical phase is completed, the professional will be fully immersed in a first level practical stay, together with physiotherapists specialized in this area.





“

*Relearning Method used by TECH will allow you to reduce the long hours of study and memorization"*

## Module 1. Early Care

- 1.1. The Evolution of Physiotherapy Pediatrics
- 1.2. The Evolution of Child Development Theories
  - 1.2.1. The Main Theories of Motor Control
    - 1.2.1.1. Motor Programming Theory
    - 1.2.1.2. Systems Theory
    - 1.2.1.3. Action Theory
  - 1.2.2. Motor Learning
  - 1.2.3. The Main ICF Intervention Methods and Influence
  - 1.2.4. FBE
- 1.3. Early Childhood Care
  - 1.3.1. Early Childhood Care in Spain
  - 1.3.2. Legislative Framework
  - 1.3.3. Early Intervention White Book
- 1.4. Early Care Centers
- 1.5. Early Care in Schooling
  - 1.5.1. Early Care in the First Cycle of Early Childhood Education
  - 1.5.2. Early Care in Second Cycle of Early Childhood Education
- 1.6. ICF
- 1.7. ODAT
  - 1.7.1. Introduction to ODAT: What It Is and What It Is for
  - 1.7.2. Distribution by Axes and Content
- 1.8. The Family and Its Involvement
- 1.9. Communication With the Family
- 1.10. Psychological Management in Children



## Module 2. Normal and Pathological Child Development

- 2.1. Intrauterine Development
- 2.2. The Term Infant and Its Development
  - 2.2.1. Neonate Classification
  - 2.2.2. Morphological Characteristics
  - 2.2.3. Normal Reactions
- 2.3. Child Development from 0 to 12 Months Old
  - 2.3.1. Normal Child Development from 0 to 12 Months Old
  - 2.3.2. Child Attitude and Motor Activity from 0 to 12 Months Old
  - 2.3.3. Child Stimulus Response from 0 to 12 Months Old
  - 2.3.4. Child Manipulation from 0 to 12 Months Old
  - 2.3.5. Child Warning Signs from 0 to 12 Months Old
  - 2.3.6. Pathological Child Development from 0 to 12 Months Old
  - 2.3.7. Child Pathologies from 0 to 12 Months Old
- 2.4. Child Development from 12 Months to 3 Years Old
  - 2.4.1. Normal Child Development from 12 Months to 3 Years Old
  - 2.4.2. Child Attitude and Motor Activity from 12 Months to 3 Years Old
  - 2.4.3. Child Stimuli Response from 12 Months to 3 Years Old
  - 2.4.4. Child Manipulation from 12 Months to 3 Years Old
  - 2.4.5. Child Warning Signs from 12 Months to 3 Years Old
  - 2.4.6. Pathological Child Development from 12 Months to 3 Years Old
  - 2.4.7. Child Pathologies from 12 Months to 3 Years Old
- 2.5. Child Development from 3 to 6 Years Old
  - 2.5.1. Normal Child Development from 3 to 6 Years Old
  - 2.5.2. Child Attitude and Motor Activity from 3 to 6 Years Old
  - 2.5.3. Child Stimulus Response from 3 to 6 Years Old
  - 2.5.4. Child Manipulation from 3 to 6 Years Old
  - 2.5.5. Child Warning Signs from 3 to 6 Years Old
  - 2.5.6. Pathological Child Development from 3 to 6 Years Old
  - 2.5.7. Child Pathologies from 3 to 6 Years Old

- 2.6. Child Play Development
  - 2.6.1. Child Play Development from 0 to 6 Months Old
  - 2.6.2. Child Play Development from 6 to 12 Months Old
  - 2.6.3. Child Play Development from 1 to 2 Years Old
  - 2.6.4. Child Play Development from 2 to 3 Years Old
  - 2.6.5. Child Play Development from 3 to 4 Years Old
  - 2.6.6. Child Play Development from 4 to 5 Years Old
  - 2.6.7. Child Play Development from 5 to 6 Years Old
- 2.7. Laterality Development
- 2.8. Normal and Pathological Reflexes
  - 2.8.1. Neurological Assessment: Structure and Content
  - 2.8.2. Primitive Reflexes: Definition, Function and Explanation
  - 2.8.3. Postural Ontogenesis
- 2.9. Relationship between Motor Skills and Other Developmental Areas
- 2.10. Cognitive and Verbal Development in Children

## Module 3. Pathologies in Childhood

- 3.1. Critical Periods in Child Development and Cause of Childhood Pathology
- 3.2. Neuromuscular Diseases
  - 3.2.1. Etiology and Incidence
  - 3.2.2. Types
  - 3.2.3. Treatment
  - 3.2.4. Physiotherapy Treatment
- 3.3. Spinal Muscular Atrophy (SMA)
  - 3.3.1. Etiology and Incidence
  - 3.3.2. Types
  - 3.3.3. Treatment
  - 3.3.4. Physiotherapy Treatment
  - 3.3.5. Genetic Therapy
- 3.4. Congenital Muscular Torticollis and Plagiocephaly
  - 3.4.1. Etiology and Incidence
  - 3.4.2. Clinical Manifestations
  - 3.4.3. Treatment
  - 3.4.4. Physiotherapy Treatment

- 3.5. Spina Bifida and Obstetric Brachial Palsy
  - 3.5.1. Etiology and Incidence
  - 3.5.2. Clinical Manifestations
  - 3.5.3. Treatment
  - 3.5.4. Physiotherapy Treatment
- 3.6. Preterm Infants
- 3.7. Achondroplasia
  - 3.7.1. Etiology and Incidence
  - 3.7.2. Clinical Manifestations
  - 3.7.3. Treatment
  - 3.7.4. Physiotherapy Treatment
- 3.8. Arthrogryposis
  - 3.8.1. Etiology and Incidence
  - 3.8.2. Clinical Manifestations
  - 3.8.3. Treatment
  - 3.8.4. Physiotherapy Treatment
- 3.9. Hearing and Visual Impairment
- 3.10. Congenital Heart Pathologies
  - 3.10.1. Etiology and Incidence
  - 3.10.2. Clinical Manifestations
  - 3.10.3. Treatment
  - 3.10.4. Physiotherapy Treatment

#### Module 4. Childhood Cerebral Palsy (CCP) and Syndromes

- 4.1. PCI
  - 4.1.1. Etiology and Incidence
- 4.2. PCI Classification
  - 4.2.1. Classification According to Muscle Tone and Posture
    - 4.2.1.1. Spastic ICP
    - 4.2.1.2. Dyskinesia or Atetoid CCP
    - 4.2.1.3. Spastic ICP
    - 4.2.1.4. Mixed CCP

- 4.2.2. Classification by Topographical Criteria
  - 4.2.2.1. Hemiplegia
  - 4.2.2.2. Paraplegia
  - 4.2.2.3. Monoplegia
  - 4.2.2.4. Diplegia
  - 4.2.2.5. Tetraplegia
- 4.2.3. Gross Motor Classification System
- 4.3. Spasticity and Medical Treatments
  - 4.3.1. Causes of Spasticity
  - 4.3.2. Difference between Spasticity and Hypertonia
  - 4.3.3. Consequences of Spasticity
  - 4.3.4. Spasticity Rating Scales
  - 4.3.5. Medical-Pharmacological Treatment of Spasticity
  - 4.3.6. Physiotherapeutic Approach to Spasticity
- 4.4. Atetosis, Ataxia and Hypotonia
- 4.5. Associated Problems in CCP
- 4.6. Musculoskeletal Alterations
- 4.7. Epileptic Seizures
- 4.8. Down Syndrome
  - 4.8.1. Etiology and Incidence
  - 4.8.2. Clinical Manifestations
  - 4.8.3. Treatment
- 4.9. Prader-Willi, Angelman and Turner Syndromes
  - 4.9.1. Etiology and Incidence
  - 4.9.2. Clinical Manifestations
  - 4.9.3. Treatment
- 4.10. Other Syndromes
  - 4.10.1. Etiology and Incidence
  - 4.10.2. Clinical Manifestations
  - 4.10.3. Treatment

**Module 5. Advances in Neuroscience Pediatrics**

- 5.1. Central Nervous System (CNS) Anatomy
  - 5.1.1. Neuroanatomy
  - 5.1.2. Fundamental CNS Structures
- 5.2. CNS Functioning
  - 5.2.1. CNS Neurophysiology
  - 5.2.2. Neuronal Synapses
- 5.3. CNS Development
  - 5.3.1. Stages of CNS Development
  - 5.3.2. Critical and Developmentally Sensitive Periods
- 5.4. Brain Plasticity
  - 5.4.1. Neuronal Plasticity
  - 5.4.2. CNS Characteristics that Promote Plasticity
  - 5.4.3. Structural and Functional CNS Changes
  - 5.4.4. Potentiation and Long-Term Depression
- 5.5. CNS Evaluation
- 5.6. Motor Learning
- 5.7. Physiotherapist Involvement in CNS Pathology
- 5.8. Evidence for Methods and Techniques in Neurorehabilitation
- 5.9. Diagnostic Imaging
- 5.10. Telerehabilitation
  - 5.10.1. What Is Currently Understood by Telerehabilitation
  - 5.10.2. Which Cases Can Benefit from Teleintervention
  - 5.10.3. Advantages and Disadvantages

**Module 6. Pediatric Evaluation**

- 6.1. Motor Assessment
- 6.2. Gait Assessment
  - 6.2.1. Observation
  - 6.2.2. Warning Signs
  - 6.2.3. Scales
- 6.3. Muscle Tone Assessment
  - 6.3.1. Observation
  - 6.3.2. Warning Signs
  - 6.3.3. Scales
- 6.4. Upper Limb Activity Assessment
  - 6.4.1. Observation
  - 6.4.2. Warning Signs
  - 6.4.3. Scales
- 6.5. Musculoskeletal and Hip Assessment
- 6.6. Fine and Gross Motor Skills Assessment
- 6.7. Gross Motor Function Measure
- 6.8. General Motor Skills Screening: MABC-2 in Children 3 to 6 Years Old
- 6.9. Motor Development Scales: Bayley Scales of Infant and Toddler Development-3 y Peabody Developmental Motor Scales-2
- 6.10. Questionnaires: ASEBA and Strengths and Difficulties Questionnaire



*You will combine theory and professional practice through a demanding and rewarding educational approach"*

## Module 7. Effective Evaluation and Intervention in Autism

- 7.1. Autism Spectrum Disorder(TEA)
  - 7.1.1. Clinical Manifestations
  - 7.1.2. DSM-5 Diagnostic Criteria
- 7.2. ASD Risk Factors
  - 7.2.1. Pre-, Peri- and Postnatal Risk Factors
  - 7.2.2. ASD Prevalence
- 7.3. Early ASD Detection
  - 7.3.1. Developmental Milestones
  - 7.3.2. Characteristics and Importance of Early Detection
  - 7.3.3. Early Detection Tests
  - 7.3.4. Presentation of M-CHAT R/F, SCQ
- 7.4. Diagnosis of TEA
  - 7.4.1. ASD Diagnosis Features
  - 7.4.2. Diagnostic Tests Features
  - 7.4.3. The Main ASD Diagnostic Tests
  - 7.4.4. Presentation of ADOS-2, ADIR
- 7.5. Evidence-Based Interventions in ASD
  - 7.5.1. General Overview of Evidence-Based Interventions
  - 7.5.2. Presentation of the Main Evidence-Based Interventions
- 7.6. Applied Behavior Analysis (ABA)
  - 7.6.1. ABA Principles
  - 7.6.2. New Skills Teaching
  - 7.6.3. Behavioral Problems Management
- 7.7. Motor Disorders Associated with ASD
  - 7.7.1. Signs Associated with ASD
  - 7.7.2. Motor Signs in ASD
- 7.8. Motor Assessment
  - 7.8.1. Motor Assessment Features
  - 7.8.2. Motor Signs Tests

- 7.9. Physical Exercise and ASD
  - 7.9.1. Physical Activity in ASD
  - 7.9.2. Physical Exercise in ASD
  - 7.9.3. Sport and Recreational Activities in ASD
- 7.10. Sample Session and Intervention Program
  - 7.10.1. Session Parameters
  - 7.10.2. Materials and Conditions for Adequate Sessions
  - 7.10.3. Typical Physical Therapy Session in ASD
  - 7.10.4. Physiotherapy Session Planning in ASD

## Module 8. Respiratory Physiotherapy in Pediatrics

- 8.1. Evidence-Based Respiratory Physiotherapy
- 8.2. Bronchiolitis
- 8.3. Pneumonia
- 8.4. Atelectasis
- 8.5. Asthma
- 8.6. ENT
- 8.7. Respiratory Physiotherapy Assessment in Pediatrics
- 8.8. Techniques in Respiratory Physiotherapy
- 8.9. Respiratory Physiotherapy in Children Suffering from Neurological Disorders
- 8.10. Common Medication

## Module 9. Physiotherapy in Early Care

- 9.1. Family-Centered Care
  - 9.1.1. Benefits of Family-Centered Care in Early Childhood Care
  - 9.1.2. Current Family-Centered Models
- 9.2. Play as a Therapeutic Method
  - 9.2.1. Game and Toy Proposals for 0-6 Month-Olds
  - 9.2.2. Game and Toy Proposals for 6-12 Month-Olds
  - 9.2.3. Game and Toy Proposals for 1-2 Year-Olds
  - 9.2.4. Game and Toy Proposals for 2-3 Year-Olds
  - 9.2.5. Game and Toy Proposals for 3-4 Year-Olds
  - 9.2.6. Game and Toy Proposals for 4-5 Year-Olds
  - 9.2.7. Game and Toy Proposals for 5-6 Year-Olds



- 9.3. Balance
  - 9.3.1. The Evolutionary Development of Balance
  - 9.3.2. Balance-Related Disorders
  - 9.3.3. Tools to Work on Balance
- 9.4. Aquatic Therapy
  - 9.4.1. Properties of Water
  - 9.4.2. Physiological Effects Caused by Immersion
  - 9.4.3. Aquatic Therapy Contraindications
  - 9.4.4. Evidence for Aquatic Therapy in Children with Disabilities
  - 9.4.5. Aquatic Therapy Methods: Halliwick, Water Specific Therapy (WST) and Bad Ragaz Ring Method
- 9.5. Orthopedic and Mobility Aids
  - 9.5.1. Lower Limb Orthoses
  - 9.5.2. Upper Limb Orthoses
  - 9.5.3. Mobility Aids
  - 9.5.4. Actions Performed by Physiotherapists
- 9.6. Sitting and Pelvic Seating
- 9.7. Psychomotor Skills
  - 9.7.1. Theoretical Framework of Psychomotor Skills
  - 9.7.2. Practical Application of Physiotherapy Sessions in Early Care
- 9.8. Physiotherapy in Premature Infants
- 9.9. Standing Programs
  - 9.9.1. The Evolutionary Development of the Hip
  - 9.9.2. Tools to Promote Standing
  - 9.9.3. Standing Programs
- 9.10. Other Therapies
  - 9.10.1. Bobath
  - 9.10.2. Vojta
  - 9.10.3. Shantala Massage
  - 9.10.4. Le Metayer

## Module 10. New Perspectives in Early Care

- 10.1. Animal-Assisted Therapies
  - 10.1.1. Conceptualization of Animal-Assisted Therapies
  - 10.1.2. Use in Early Care
- 10.2. Sensory Stimulation
  - 10.2.1. The Sensory Stimulation Room
  - 10.2.2. Physiotherapy Use in Early Care
  - 10.2.3. Differences between Sensory Stimulation and Sensory Integration
- 10.3. Childhood Obesity
- 10.4. Pre- and Postnatal Stimulation
- 10.5. Social Participation
  - 10.5.1. The Importance of Social Participation in Disability
  - 10.5.2. The Role of Physiotherapy in Social Participation
- 10.6. Inclusive Spaces and Playgrounds
  - 10.6.1. The Objectives behind Inclusive Spaces and/or Inclusive Playgrounds
  - 10.6.2. The Role of Physiotherapy in Creating Such Spaces and/or Playgrounds
- 10.7. Newborn Individualized Developmental Care and Assessment Program (NIDCAP)
- 10.8. Therapeutic Web and Mobile MHELP Applications
- 10.9. New Technologies (Virtual and Immersive Reality)
- 10.10. Evidence-Based Intervention
  - 10.10.1. Databases and Search Engines
  - 10.10.2. Search Keywords
  - 10.10.3. Scientific Journals
  - 10.10.4. Scientific Article
  - 10.10.5. Evidence-Based Practice

07

# Clinical Internship

After passing the period of online theoretical updating, the program includes a period of Practical Internship Program in a reference clinical center. Graduates will have the support of a tutor who will accompany them throughout the whole process, both in the preparation and development of the clinical practices.





“

*Take a 3-week internship in a prestigious center and put your theoretical knowledge into practice”*

The Internship Program in Physiotherapy in Early Care will be performed in a prestigious center with a duration of 3 weeks, from Monday to Friday and with a day of 8 consecutive hours of practical training with an assistant specialist. This stay will allow professionals to see real patients alongside a professional team with excellent references in the area of children physiotherapy. This will lead you to apply all the most innovative diagnostic procedures, with the latest generation methods and tools available.

For this proposal, with a completely practical character, the activities have been designed to guide the development and improvement of the competences needed by a physiotherapist in Early Care, in areas and conditions that guarantee excellence in the treatments performed.

TECH offers in this way a unique updating experience where learning is combined with work in a specialized environment of the highest level. This institution is thereby developing a new way of understanding the integration of the latest health treatments and converting a center of reference into an ideal environment for perfecting the skills of professionals.

Practical education will be performed with student's active participation performing activities and procedures of each area of competence (learning to learn and learning to do), with accompaniment and guidance of teachers and other fellow students that facilitate teamwork and multidisciplinary integration as transversal competencies for physiotherapy praxis (learning to be and learning to relate).

The procedures described below will form basis of practical part of the program, and their implementation is subject both to patient suitability and to center's availability and workload, with proposed activities being the following:



Module	Practical Activity
Early Care	Implement the main ICF intervention methods
	Practice communication with the family in the rehabilitation process
	Manage the psychology of children during physiotherapy sessions
Normal and Pathological Child Development	Guidelines for the activities to be developed according to the child's age group
	Observe possible warning signs and indicators of irregularities
	Create activities that develop the infant's normal laterality and reflexes
	Practice cognitive and verbal development of the child
Pathologies in Childhood	Detect possible pathologies common in childhood, such as spinal muscular atrophy or neuromuscular diseases
	Physiotherapeutic developmental work with premature infants
	Manage auditory or visual disorders in the physiotherapy process
	Treat possible congenital cardiac pathologies, achondroplasia or spina bifida
Infantile cerebral palsy (ICP) and syndromes	Working with spasticity in infants with PCI
	Addressing the problems arising from Infantile Cerebral Palsy
	Adapting activities to patients with Down syndrome, Prader-Willi, Angelman or Turner syndrome
Advances in Neuroscience Pediatrics	Perform an evaluation of the infant's CNS development, especially in the most critical and sensitive periods
	Elaborate and carry out activities that enhance motor development in children with difficulties
	To introduce neurorehabilitation techniques in the daily work of children with motor problems
	Evaluate the use of telerehabilitation when necessary, developing a program to take advantage of this modality

Module	Practical Activity
Pediatric Evaluation	Undertake a motor, gait and muscle tone assessment of the child
	Detect the main warning signs when performing pediatric assessments
	Conduct ASEBA questionnaires
	Determine the guidelines to be followed in the infant based on current motor development scales
Effective Evaluation and Intervention in Autism	Work on the main diagnostic tests for ASD in patients with suspected ASD
	Intervene based on the latest evidence of therapies for children with ASD
	Plan a typical physical therapy session for children with ASD, with the appropriate materials and conditions
	Conduct early screening for ASD, evaluating developmental milestones and the most current tests
Respiratory Physiotherapy in Pediatrics	Developing physiotherapy in children with complex respiratory conditions
	Employ specific physiotherapeutic breathing techniques
	Perform pediatric physiotherapeutic assessment in patients with bronchiolitis, pneumonias, atelectasis, asthma or ENT
Physiotherapy in Early Care	To use play as a therapeutic method, making use of activities and toys according to age
	Evaluate the use of orthopedic mobility aids in those cases where necessary
	Perform therapies such as bobath, vojta, shantala massage or le metayer
New Perspectives in Early Care	Addressing childhood obesity with activities focused on physical therapy
	To guide therapies with animals according to their benefits and practical applications
	Making use of new technologies such as virtual reality in the physiotherapeutic environment
	Use databases, scientific articles and the main physiotherapeutic resources to nurture the work in the clinic

## Civil Liability Insurance

This institution's main concern is to guarantee the safety of the trainees and other collaborating agents involved in the internship process at the company. Among the measures dedicated to achieve this is the response to any incident that may occur during the entire teaching-learning process.

To this end, this entity commits to purchasing a civil liability insurance policy to cover any eventuality that may arise during the course of the internship at the center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. That way professionals will not have to worry in case of having to face an unexpected situation and will be covered until the end of the internship program at the center.



## General Conditions of the Internship Program

The general terms and conditions of the internship agreement for the program are as follows:

**1. TUTOR:** During the Hybrid Master's Degree, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.

**2. DURATION:** The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

**3. ABSENCE:** If the students does not show up on the start date of the Hybrid Master's Degree, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor.

**4. CERTIFICATION:** Professionals who pass the Hybrid Master's Degree will receive a certificate accrediting their stay at the center.

**5. EMPLOYMENT RELATIONSHIP:** the Hybrid Master's Degree shall not constitute an employment relationship of any kind.

**6. PRIOR EDUCATION:** Some centers may require a certificate of prior education for the Hybrid Master's Degree. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed.

**7. DOES NOT INCLUDE:** The Hybrid Master's Degree will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

08

# Where Can I Do the Clinical Internship?

In order to offer a quality Certificate within everyone's reach, TECH has strategic alliances to perform this Internship Program in a highly prestigious and innovative center. A unique opportunity that allows the professional to advance from the best specialists in this area of Physiotherapy in Early Care.







“

*Start your Internship Program in a prestigious physiotherapy center and put into action all the updated knowledge together with the best professionals of the sector”*



The student will be able to take the practical part of this Hybrid Hybrid Master's Degree in the following centers:



Physiotherapy

### Fisioterapia Recuperate Ya

Country	City
Spain	Madrid

Address: Calle de Sandoval 17, (28010) Madrid

Physiotherapeutic center with a wide range of services for physical and manual therapy.

**Related internship programs:**

- Physiotherapy Diagnosis
- Electrotherapy in Physiotherapy



Physiotherapy

### Napsis Fisioterapia

Country	City
Spain	Madrid

Address: Av. del Camino de Santiago, 1, 28050 Madrid

Physiotherapeutic center for child neurorehabilitation

**Related internship programs:**

- Physiotherapy in Early Care



Physiotherapy

### Hospital HM Modelo

Country	City
Spain	La Coruña

Address: Rúa Virrey Osorio, 30, 15011, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Physiotherapy

### Hospital Maternidad HM Belén

Country	City
Spain	La Coruña

Address: R. Filantropía, 3, 15011, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Update in Assisted Reproduction
- Hospitals and Health Services Management



Physiotherapy

### Hospital HM San Francisco

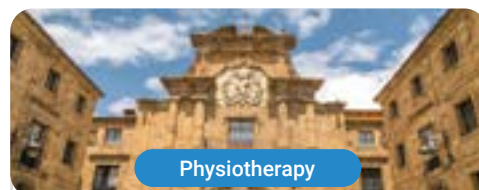
Country	City
Spain	León

Address: C. Marqueses de San Isidro, 11, 24004, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Anesthesiology and Resuscitation Update
- Nursing in Traumatology Service



Physiotherapy

### Hospital HM Regla

Country	City
Spain	León

Address: Calle Cardenal Landázuri, 2, 24003, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Update on Psychiatric Treatment in Minor Patients



Physiotherapy

### Hospital HM Nou Delfos

Country	City
Spain	Barcelona

Address: Avinguda de Vallcarca, 151, 08023 Barcelona

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Aesthetic Medicine
- Clinical Nutrition in Medicine



Physiotherapy

### Hospital HM Madrid

Country	City
Spain	Madrid

Address: Pl. del Conde del Valle de Súchil, 16, 28015, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Palliative Care
- Anaesthesiology and Resuscitation



Physiotherapy

### Hospital HM Torrelodones

Country: Spain City: Madrid

Address: Av. Castillo Olivares, s/n, 28250, Torrelodones, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Physiotherapy

### Hospital HM Sanchinarro

Country: Spain City: Madrid

Address: Calle de Oña, 10, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Physiotherapy

### Hospital HM Puerta del Sur

Country: Spain City: Madrid

Address: Av. Carlos V, 70, 28938, Móstoles, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Palliative Care
- Clinical Ophthalmology



Physiotherapy

### Policlínico HM Las Tablas

Country: Spain City: Madrid

Address: C. de la Sierra de Atapuerca, 5, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Nursing in Traumatology Service
- Physiotherapy Diagnosis



Physiotherapy

### Policlínico HM Moraleja

Country: Spain City: Madrid

Address: P.º de Alcobendas, 10, 28109, Alcobendas, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Rehabilitation Medicine in Acquired Brain Injury Management



Physiotherapy

### Policlínico HM Virgen del Val

Country: Spain City: Madrid

Address: Calle de Zaragoza, 6, 28804, Alcalá de Henares, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Physiotherapy Diagnosis
- Physiotherapy in Early Child Care



Physiotherapy

### Policlínico HM Imi Toledo

Country: Spain City: Toledo

Address: Av. de Irlanda, 21, 45005, Toledo

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Electrotherapy in Rehabilitation Medicine
- Hair Transplantation



Physiotherapy

### Athlos Ecatepec

Country: Mexico  
City: Mexico City

Address: Plaza Ecatepec, Via Morelos 172, Local C-8, Los Laureles, Ecatepec de Morelos, Méx. Junto a la zona de Comida

Specialized centers for physical and sports rehabilitation

**Related internship programs:**

- Physiotherapy Diagnosis
- Electrotherapy in Physiotherapy



Physiotherapy

### Athlos Naucalpan

Country: Mexico  
City: Mexico City

Address: Av. Gustavo Baz Prada No. 116, Col. Bosques de Echegaray, Naucalpan de Juárez, Estado de México

Specialized centers for physical and sports rehabilitation

**Related internship programs:**

- Physiotherapy Diagnosis
- Electrotherapy in Physiotherapy



Physiotherapy

### Athlos Iztacalco

Country: Mexico  
City: Mexico City

Address: Julio García No. 14, Piso 2, San Miguel, Iztacalco, CDMX. Esq. Francisco del Paso y Troncoso

Specialized centers for physical and sports rehabilitation

**Related internship programs:**

- Physiotherapy Diagnosis
- Electrotherapy in Physiotherapy



Physiotherapy

### Athlos Toluca

Country: Mexico  
City: Mexico City

Address: Cerro de la Estrella 128 - 29, Xinantécatl, Metepec, Edo. de Méx

Specialized centers for physical and sports rehabilitation

**Related internship programs:**

- Physiotherapy Diagnosis
- Electrotherapy in Physiotherapy





Physiotherapy

### Athlos Tiber

Country City  
Mexico Mexico City

Address: Río Tiber No. 21, 3er Piso, Col: Cuahtémoc, Del: Cuahtémoc, CDMX

Specialized centers for physical and sports rehabilitation

- Related internship programs:**  
-Physiotherapy Diagnosis  
- Electrotherapy in Physiotherapy



Physiotherapy

### Athlos Roma

Country City  
Mexico Mexico City

Address: Guanajuato 178, 3er Piso. Roma Norte, Cuahtémoc, CDMX

Specialized centers for physical and sports rehabilitation

- Related internship programs:**  
-Physiotherapy Diagnosis  
- Electrotherapy in Physiotherapy



Physiotherapy

### Athlos Tlalpan

Country City  
Mexico Mexico City

Address: Calle 3 Num 52, Coapa, Espartaco, Coyoacán, 04870, CDMX

Specialized centers for physical and sports rehabilitation

- Related internship programs:**  
-Physiotherapy Diagnosis  
- Electrotherapy in Physiotherapy



Physiotherapy

### Athlos Lindavista

Country City  
Mexico Mexico City

Address: Sullana 741, Col. Lindavista, Del. G.A.M. CDMX

Specialized centers for physical and sports rehabilitation

- Related internship programs:**  
-Physiotherapy Diagnosis  
- Electrotherapy in Physiotherapy



Physiotherapy

### Neuro - Sens

Country	City
Mexico	Mexico City

Address: Av. Jesús del Monte 37 local 39 col. Jesús del Monte, Huixquilucan EDOMEX C.P 52764.

Neurorehabilitation clinic specializing in early care

**Related internship programs:**  
-Physiotherapy in Early Care



Physiotherapy

### Clínica de Fisioterapia Integral Mover-T

Country	City
Mexico	Mexico City

Address: Calle Pilares 506, Colonia del Valle Centro, Benito Juárez, 03100 Ciudad de México, CDMX, México

Integral Physiotherapy Clinic

**Related internship programs:**  
-Physiotherapy Diagnosis  
- Electrotherapy in Physiotherapy





Physiotherapy

### Madre Teresa Centro de Rehabilitación

Country: Argentina  
City: Buenos Aires

Address: Bartolomé Mitre 2450, Avellaneda, Buenos Aires, Argentina

Multidisciplinary Rehabilitation Center specialized in physical and occupational recovery.

**Related internship programs:**

- Clinical Nutrition in Medicine
- Geriatric Physiotherapy



Physiotherapy

### Pilares del Rosario

Country: Argentina  
City: Santa Fe

Address: Paraguay 2041 Rosario, Santa Fe

Clinic of integral neurorehabilitation of adults and children.

**Related internship programs:**

- Early Attention Physiotherapy
- Hyperbaric Medicine

09

# Methodology

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

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







“

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

## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Physiotherapists/kinesiologists learn better, faster, and more sustainably over time.

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



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions of professional physiotherapy practice.

“

*Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”*

The effectiveness of the method is justified by four fundamental achievements:

1. Physiotherapists/kinesiologists who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the physiotherapist/kinesiologist 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.



## Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.



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

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

With this methodology we trained more than 65,000 physiotherapists/kinesiologists with unprecedented success in all clinical specialties, regardless of the workload. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

*Relearning 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 for success.*

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

The overall score obtained by our learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



#### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

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



#### Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



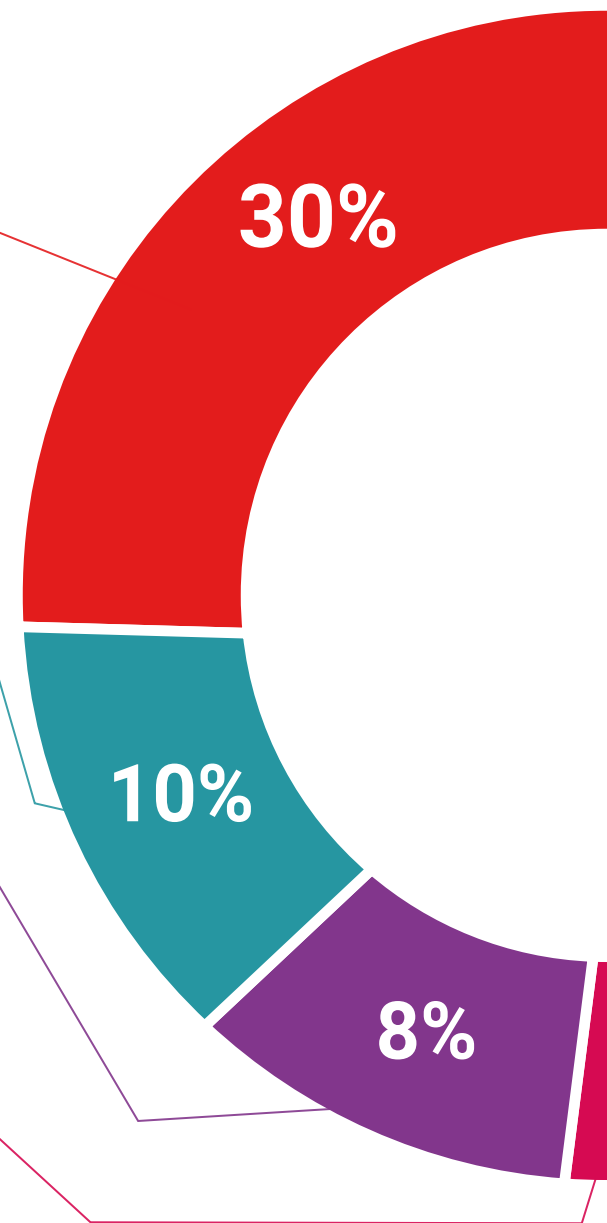
#### Practising Skills and Abilities

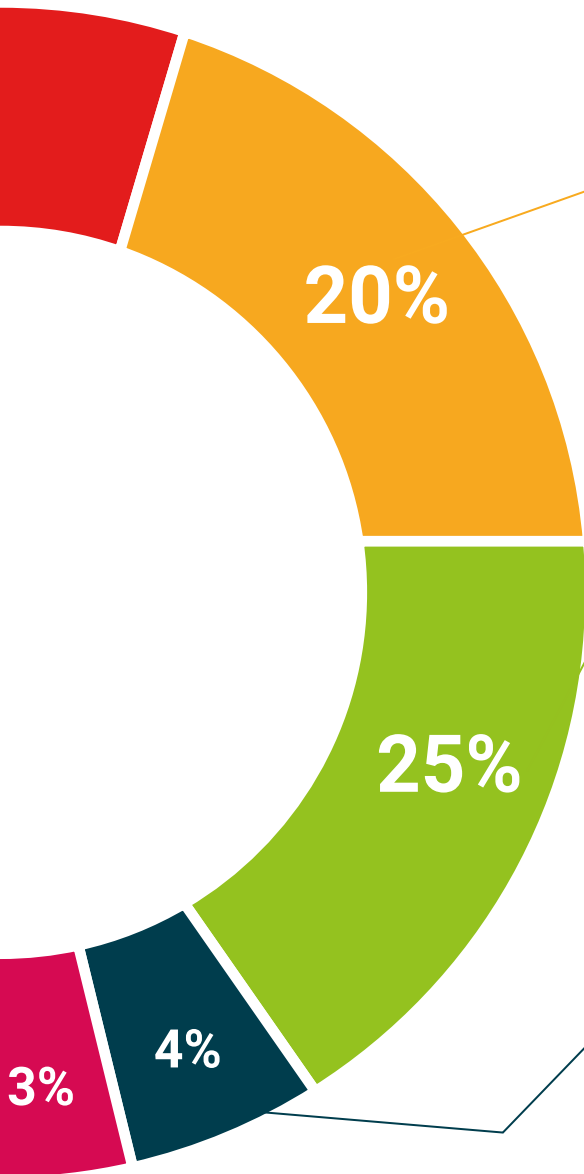
They will carry out activities to develop specific competencies and skills in each thematic area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



#### Additional Reading

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





#### Case Studies

Students will complete a selection of the best case studies chosen specifically for this situation. Cases that are presented, analyzed, and supervised by the best specialists in the world.



#### Interactive Summaries

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

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



#### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



# 10 Certificate

The Hybrid Master's Degree in Physiotherapy in Early Care guarantees, in addition to the most rigorous and updated training, access to a Hybrid Master's Degree 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 **Hybrid Master's Degree diploma in Physiotherapy in Early Care** 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.

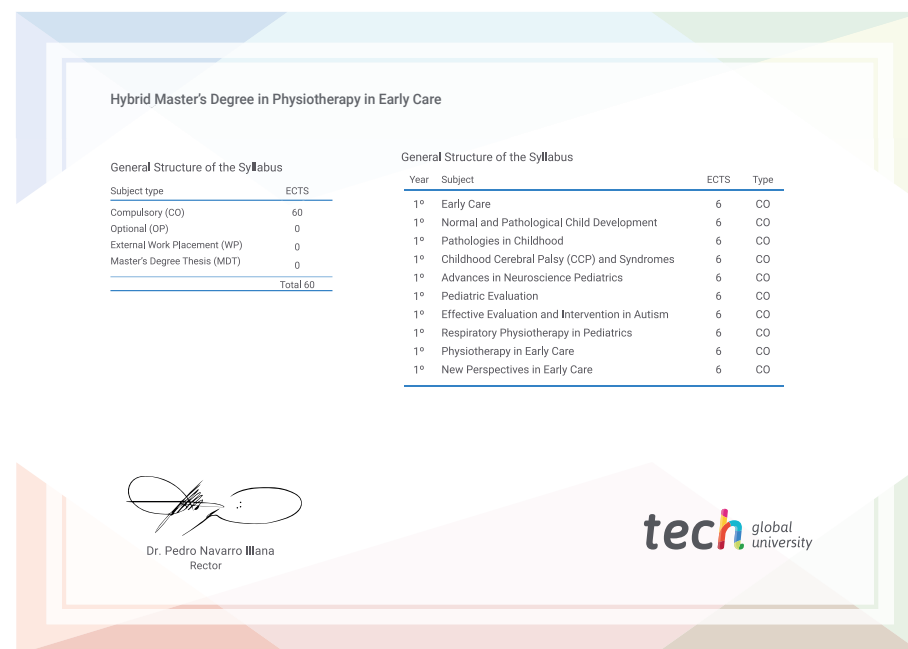
Title: **Hybrid Master's Degree in Physiotherapy in Early Care**

Course Modality: **Hybrid (Online + Clinical Internship)**

Duration: **12 months**

Certificate: **TECH Global University**

Recognition: **60 + 4 ECTS Credits**



\*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.

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



**Hybrid Master's Degree**  
**Physiotherapy in Early Care**

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Global University

60 + 4 ECTS Credits

# Hybrid Master's Degree Physiotherapy in Early Care

