

Hybrid Professional Master's Degree

Primary Care Pediatrics





Hybrid Professional Master's Degree Primary Care Pediatrics

Course Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Technological University

Teaching Hours: 1,620 h.

Website: www.techtute.com/us/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-primary-care-pediatrics

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01

Introduction

Every day, medical sciences are looking for more innovative strategies to provide solutions to pediatric pathologies of varying complexity in the context of Primary Care. As a result, sophisticated clinical procedures have emerged that today offer therapeutic options for asthma, congenital heart disease, epilepsy and other latent neuropathies in children. To keep specialists up to date on these advances, TECH has designed a pioneering academic modality. This program includes 1,500 hours of theoretical learning, on a 100% online and interactive platform. At the end of this stage, a practical, on-site, intensive internship will take place in a prestigious hospital facility. Thus, together with great experts, the physician will be able to elevate his practice to the highest level of excellence.





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Update your theoretical knowledge and practical skills for the management of pediatric diseases in Primary Care through the two academic phases that make up this blended Master"

At present, Pediatrics in Primary Care has several clinical, therapeutic and technological resources to address respiratory, cardiac and neurological diseases, among others. Thus, novel strategies have appeared for the management of asthma or bronchitis through inhalation therapies, as well as the use of minimally invasive surgical techniques to avoid large scars in cardiovascular interventions. Likewise, new pharmacological trends have emerged for the approach to epilepsy, among many other care variants for the care of children and adolescents with neuropathies. At the same time, it is difficult for specialists to keep up to date with all these advances due, among other reasons, to the lack of pedagogical programs that analyze all aspects of this medical area.

For this reason, TECH has designed this educational modality, a pioneer in its type, which integrates the most recent theoretical and practical knowledge regarding Pediatrics in Primary Care in two fundamental stages. In the first of these academic moments, the physician will dedicate 1,500 hours to the study of new concepts and new care strategies, in a 100% online and interactive platform. In addition, the program is supported by innovative teaching methodologies, such as Relearning, and multimedia resources, such as videos and infographics.

Upon completion of this theoretical phase, the specialist will be transferred to a prestigious hospital. In this program, they will carry out an intensive, on-site stay of 3 weeks' duration, distributed in days from Monday to Friday, for 8 consecutive hours. In these centers, the physician will have at his disposal technological tools and will apply novel procedures for the care of real patients with different pathologies. You will also work with leading experts and learn firsthand about their most outstanding experiences. At the same time, you will have an assistant tutor who, throughout the clinical practice, will allow you to assimilate the most modern care dynamics and incorporate them into your daily practice.

This **Hybrid Professional Master's Degree in Primary Care Pediatrics** 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 Primary Care Pediatrics professionals
- ♦ 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
- ♦ Comprehensive systematized action plans for the main pathologies In Pediatrics in Primary Care
- ♦ Presentation of practical workshops on diagnostic and therapeutic techniques in the Emergencies ill patient
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ Practical clinical guides on approaching different pathologies
- ♦ 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
- ♦ In addition, you will be able to carry out a clinical internship in one of the best hospitals in the world

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You will examine the academic modules of this curriculum in depth and add to your pool of competencies the latest scientific evidence about the management of Pediatrics in Primary Care"

In this Hybrid Professional Master's Degree proposal, of a professionalizing nature and blended learning modality, the program is aimed at updating professionals in Genomic Precision Pneumology who require a high level of qualification. The contents are based on the latest scientific evidence, and oriented in a didactic way to integrate theoretical knowledge into medical practice, and the theoretical-practical elements will facilitate the updating of knowledge and will allow decision making in patient management.

Thanks to their multimedia content developed with the latest educational technology, they will allow the Healthcare professional to obtain situated and contextual learning, that is, a simulated environment that will provide immersive learning 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 throughout the program. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

Throughout this Hybrid Professional Master's Degree, you will acquire a broad mastery of the most important theoretical concepts to be taken into account in the approach to respiratory pathologies in children and adolescents.

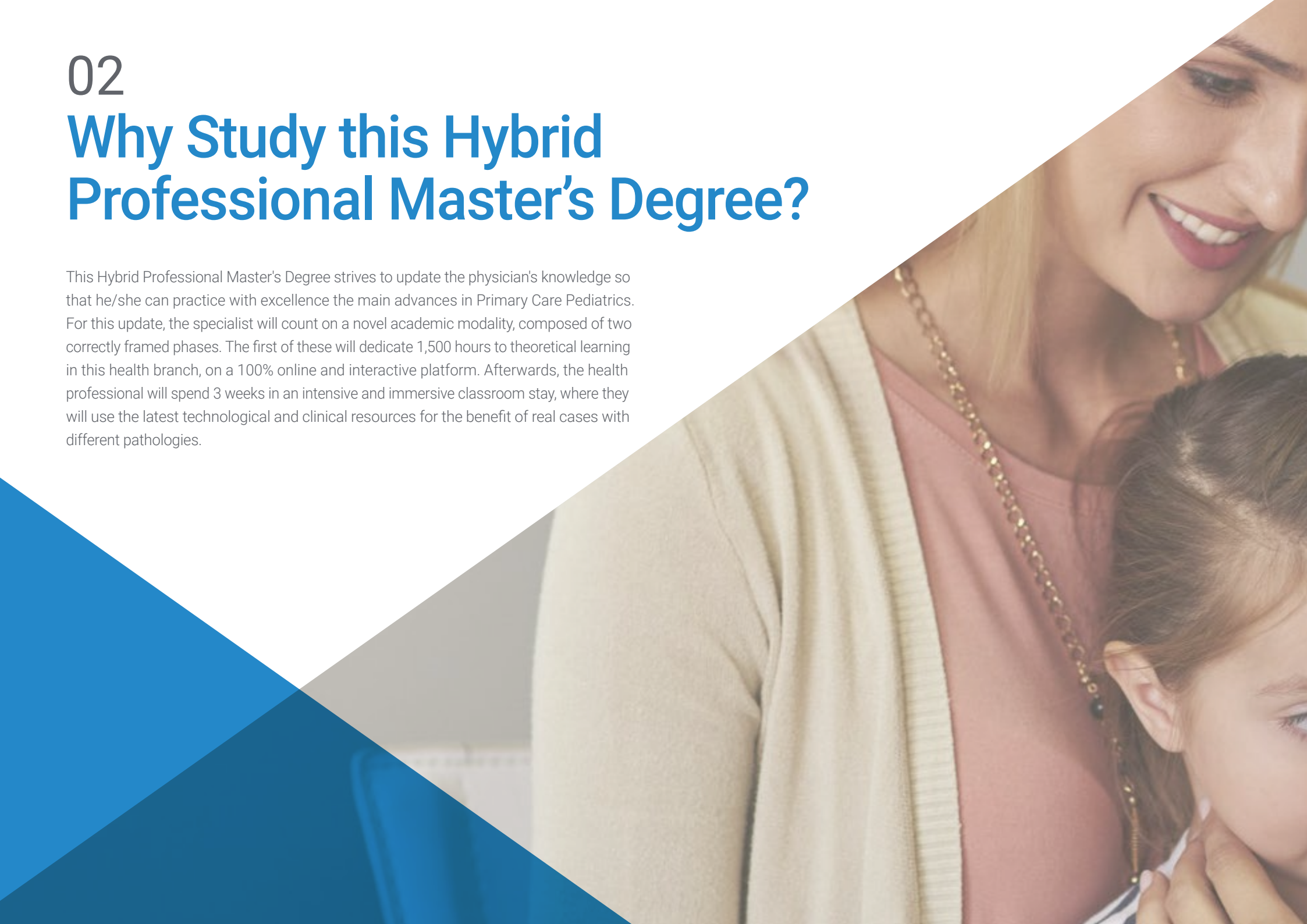
Complete your training with a clinical stay of the utmost rigor, under the close supervision of an associate tutor with a long professional career in the pediatric discipline.



02

Why Study this Hybrid Professional Master's Degree?

This Hybrid Professional Master's Degree strives to update the physician's knowledge so that he/she can practice with excellence the main advances in Primary Care Pediatrics. For this update, the specialist will count on a novel academic modality, composed of two correctly framed phases. The first of these will dedicate 1,500 hours to theoretical learning in this health branch, on a 100% online and interactive platform. Afterwards, the health professional will spend 3 weeks in an intensive and immersive classroom stay, where they will use the latest technological and clinical resources for the benefit of real cases with different pathologies.



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TECH, through this Hybrid Professional Master's Degree, will make you an expert in the implementation of innovative Inhalation Therapies to stop the use of medications with side effects in the treatment of children with Bronchitis and Asthma"

1. Updating from the latest technology available

For several years now, Primary Care Pediatrics has been complemented by increasingly sophisticated technological resources. In a short time, these devices have been able to expand the potential for diagnosis, treatment and follow-up of children and adolescents with different respiratory, neurological and cardiac pathologies, among others.

2. Gaining In-Depth Knowledge from the Experience of Top Specialists

During this Hybrid Professional Master's Degree, the specialist will have access to the best experts in relation to Primary Care Pediatrics. In the initial, theoretical learning phase, you will have a faculty of excellence to guide your progress. Then, in clinical practice, the physician will complete a rigorous internship with experienced professionals.

3. Entering First-Class Clinical Environments

Based on a careful selection, TECH has coordinated first class clinical internships for the hospital stay to be developed during the second half of this Hybrid Professional Master's Degree. During this academic phase, the doctor will have access to state-of-the-art healthcare resources. In addition, you will be able to put them into practice for the benefit of real patients under the close supervision of a prestigious team of experts and an experienced assistant tutor.





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

In an educational market poorly adapted to the practical learning requirements of specialists, TECH breaks into the market with a pioneering study model of its kind. Thus, after completing an online learning period of 1,500 hours, the doctor will complete a 100% practical and face-to-face stay, in which they will be updated on the main innovations in relation to the approach to Pathology in Pregnancy.

5. Expanding the Boundaries of Knowledge

TECH offers the possibility to carry out the clinical practice of this program in centers of international importance. In this way, Doctor will expand their academic frontiers based on global knowledge and the implementation of resources according to the standards of different geographic latitudes. This is, without a doubt, a study opportunity only within reach of TECH, the largest digital university in the world.

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*You will have full hands-on immersion
at the center of your choice”*

03 Objectives

This program offers the physician a theoretical and practical training of excellence in relation to the most modern clinical procedures of Primary Care Pediatrics. This is possible thanks to an innovative academic modality composed of two distinct stages. In the first one, the physician will study recent concepts from a 100% online learning platform. Afterwards, they will develop a practical, face-to-face and intensive stay in prestigious hospital centers, equipped with the latest scientific and technological resources for the medical care of children and adolescents.



“

Add to your daily practice the most advanced knowledge in relation to the treatment of childhood neuropathic pain with combinations of medication, psychological interventions and physical therapies”



General Objective

- The general objective of this Hybrid Professional Master's Degree in Primary Care Pediatrics is to update the physician on the latest diagnostic and therapeutic techniques for the management of children and adolescents with different pathologies. At the same time, it will deepen in life support strategies and the most modern procedures for the scenario of children's emergencies. In this way, they will broaden their skills and contribute to ensure a better prognosis for their patients based on the most modern technological resources and therapeutic procedures



Add to your daily practice the most advanced knowledge in relation to the treatment of childhood neuropathic pain with combinations of medication, psychological interventions and physical therapies"





Specific Objectives

Module 1. Newborn and Well-Baby Care

- ♦ Review the characteristics of the normal newborn and the care they should receive in the first hours of life
- ♦ Explain the most common health problems that can occur in the normal newborn
- ♦ Describe the care protocol for normal newborns
- ♦ Differentiate the most frequent respiratory pathologies in the newborn in order to establish a proper diagnosis and implement a correct treatment
- ♦ Detect jaundice in a newborn and implement early treatment
- ♦ Carry out a complete health assessment
- ♦ Describe the psychomotor development and optimal language level at each stage of childhood
- ♦ Explain the basic principles of proper breastfeeding according to the needs of the child
- ♦ Describe the foundations of a balanced diet in each of the developmental stages of a normal child
- ♦ Implement diet and exercise programs adapted to each stage of growth
- ♦ Apply the current vaccination schedule

Module 2. Respiratory Pathology and ORL

- ♦ Describe the basic characteristics of pneumonia, as well as the examinations and complementary tests necessary to confirm the diagnosis
- ♦ Describe the basic characteristics of bronchitis as well as the complementary examinations and tests needed to confirm the diagnosis
- ♦ Identify asthma in a child, implement an appropriate treatment plan for monitoring, and therefore reducing, the associated complications
- ♦ Identify chronic broncho-pneumopathy in children and establish an appropriate treatment plan, as well as correct monitoring
- ♦ Describe the basic characteristics of acute otitis media as well as the complementary examinations and tests needed to confirm the diagnosis
- ♦ Describe the basic characteristics of pharyngotonsillitis as well as the complementary examinations and tests needed to confirm the diagnosis
- ♦ Describe the basic characteristics of laryngitis and laryngotracheitis as well as the examinations and complementary tests necessary to confirm the diagnosis

Module 3. Cardiology

- ♦ Describe the main cardiac alterations that can occur in childhood, as well as their etiology
- ♦ Define the “normal” cardiac parameters in children with the aim of detecting irregularities which need correcting
- ♦ Explain the appropriate treatment for childhood cardiac pathologies according to the age of the child and their general state

Module 4. Gastroenterology

- ♦ Identify the basic characteristics of the most frequent gastrointestinal disorders in pediatrics
- ♦ Describe the diagnostic process associated with gastrointestinal alterations in childhood
- ♦ Establish a differential diagnosis with different related pathological entities
- ♦ Establish an appropriate treatment plan according to the pathology diagnosed
- ♦ Describe a plan for monitoring children with chronic with gastrointestinal alterations or with a potential chronic risk

Module 5. Nutrition Endocrine Metabolism

- ♦ Identify food-related disorders and carry out comprehensive monitoring of the child
- ♦ Implement treatment plans for the care and treatment of a diabetic child
- ♦ Explain how to avoid hypoglycemia in a diabetic child and how to act if they do happen to arise
- ♦ Identify abnormal growth in the child
- ♦ Recognize cryptorchidism and implement actions for resolving it
- ♦ Identify situations which require urgent action

Module 6. Genital Urology Nephrology

- ♦ Identify possible alterations of the urinary tract, as well as malformations of the renal system
- ♦ Describe the course of action in case of a urinary infection according to the age of the child and their individual characteristics
- ♦ Identify the cause of hematuria in childhood in order to establish a proper diagnosis and implement the correct treatment

Module 7. Osteomyo-articular System and Rheumatology

- ♦ Identify possible alterations in the locomotor system in children
- ♦ Establish the most appropriate corrective treatment in the case of an established pathology
- ♦ Identify the causes of back pain and lower limb pain
- ♦ Identify walking abnormalities by thorough examination of the feet
- ♦ Apply corrective methods to reduce walking abnormalities
- ♦ Describe the main rheumatological alterations that can occur in childhood
- ♦ Establish a differential diagnosis with other non-rheumatological pathologies
- ♦ Apply appropriate treatment according to the etiological agent causing the infection

Module 8. Neurology, Psychiatry and Sleep Disorders

- ♦ Describe the main characteristics of ADHD and the treatment options
- ♦ Identify emotional situations that may interfere with the child's normal development
- ♦ Identify the cause of headaches in a child and establish an adequate treatment plan
- ♦ Explain how to act in case of epileptic seizures and identify the types of seizures
- ♦ Describe the basic principles of sleep and the characteristics at each stage of childhood
- ♦ Evaluate problems related to sleep in pediatrics
- ♦ Establish an appropriate diagnosis and treatment in these types of disorders

Module 9. Dermatology and Ophthalmology

- Describe the etiology and basic characteristics of certain dermatological alterations in childhood
- Implement treatment plans in the case of alterations such as eczema or acne
- Identify possible related illnesses and their etiology
- Explain the course of action in cases of infectious or parasitic dermatoses
- Describe the main food allergies and how to establish an appropriate diagnosis
- Implement treatment and dietary plans with the aim of avoiding acute allergic reactions in children with allergies
- Describe the different diagnostic tests as well as how to prepare for them and possible complications that could arise
- Describe the action to be taken in case of urticaria and avoid the onset of angioedema by implementing appropriate therapeutic measures
- Describe ocular examination in children and the normal parameters
- Detect ophthalmologic conditions of infectious origin and establish appropriate treatment
- Establish a proper diagnosis in case of strabismus and apply necessary corrective measures
- Identify other ophthalmologic pathologies which require surgical and/or specialist care

Module 10. Hematology, Immunology and Infectious Diseases

- Describe the fundamental characteristics of infectious diseases in childhood which could be difficult to diagnose
- Describe the action to be taken in the event of detecting a fever without focus
- Use complementary tests and consult other specialists with the aim of establishing a definitive diagnosis
- Establish the appropriate treatment for the existing infectious pathology

Module 11. Pediatric Emergencies in Primary Care

- Describe the main emergency situations that can occur in pediatrics
- Apply correct pediatric and neonatal CPR
- Explain the procedure to follow in case of pediatric trauma or TBI
- Describe the basic fundamentals of analgesia and sedation in pediatrics
- Identify the differences between pediatric emergency situations and adult situations



You will delve, through TECH, into prophylactic methods and the implementation of modern vaccines for children and adolescents with the intention of preventing severe respiratory pathologies such as Pneumonia"

04 Skills

This Hybrid Professional Master's Degree in Primary Care Pediatrics facilitates the updating of specialists through an innovative mode of study, consisting of two distinct stages. At the end of both phases, graduates will be ready to implement the latest clinical protocols and healthcare tools in their daily practice.





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Enroll in this Hybrid Professional Master's Degree and get up to date on the implementation of portable devices for remote monitoring of cardiovascular variables in children and adolescents with chronic heart disease”



General Skills

- ♦ Master knowledge that provides a basis or opportunity to be original in the development and/or application of ideas, often in a research context
- ♦ Apply acquired knowledge and problem-solving skills in new or unfamiliar environments within broader (or multidisciplinary) contexts related to the field of study
- ♦ Integrate knowledge and face the complexity of making judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities related to the application of their knowledge and judgments
- ♦ Develop within the profession in terms of working with other health professionals, acquiring skills to work as a team
- ♦ Recognize the need to maintain your professional skills and keep them up to date, with special emphasis on autonomous and continuous learning of new information





Specific Skills

- ♦ Carry out a complete health assessment with the aim of describing the psychomotor development and optimal language level at each stage of childhood
- ♦ Explain the basic principles of proper breastfeeding in order to ensure that the child's needs are adequately met through this method
- ♦ Describe the foundations of a balanced diet in each of the developmental stages of a normal child in order to implement diet and exercise programs adapted to each stage of growth
- ♦ Manage the characteristics of the normal newborns and the care they should receive in the first hours of life in order to detect the most frequent health problems that may occur in the normal newborn
- ♦ Differentiate the most frequent respiratory pathologies in the newborn in order to establish a proper diagnosis and implement a correct treatment
- ♦ Master the etiology and basic characteristics of certain dermatological disorders in childhood in order to be able to implement therapeutic plans in the case of disorders such as eczema or acne
- ♦ Identify possible adnexal diseases and their etiology in order to make a correct diagnosis and implement an adequate treatment
- ♦ Diagnose feeding-related disorders in order to carry out an exhaustive monitoring of the child in the primary care setting
- ♦ Implement therapeutic plans for the care and treatment of the diabetic child in order to avoid hypoglycemia and to solve it in case it occurs

05

Course Management

The teachers of this program have extensive experience in the management of pediatric pathologies in the Primary Care setting. Through their professional trajectory, they have achieved a sharp mastery of the most innovative technologies and procedures in this field. This faculty, in turn, has integrated a rigorous and demanding academic plan that includes all these new developments and offers physicians the opportunity to assimilate them quickly and flexibly with the help of cutting-edge teaching methods, implemented by TECH for this Hybrid Professional Master's Degree.



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TECH teachers have designed a rigorous syllabus where the specialist will have access to the most modern scientific evidence for the approach of Epilepsy and other neurological pathologies in childhood”

Management



Dr. Laura Mantecón Fernández

- ♦ Neonatology Assistant Specialist at the Central University Hospital of Asturias. Spain
- ♦ PhD in Medicine from the University of Oviedo Cone Outstanding *Cum Laude*
- ♦ Degree in Medicine from the University of Cantabria
- ♦ Outpatient residency at the Jackson Neonatal Intensive Care Unit Memorial Hospital. Miami, Florida
- ♦ Accredited Instructor in Neonatal Resuscitation in the Spanish Society of Neonatology (SENEO)
- ♦ Postgraduate Course in Neonatology, Pediatric Emergencies and Updating in Primary Care Pediatrics
- ♦ Researcher Specializing in the Impact of Antibiotics on Neonatal Intestinal Microbiota and Vitamin D in Pediatric Population (markers and status)
- ♦ Member of the Spanish Society of Neonatology (SENEO)



Professors

Dr. María Cuanedo Jiménez

- ♦ Pediatrician at the Neonatology Department of the Central University Hospital of Asturias
- ♦ Medical Service, Marqués de Valdecilla University Hospital
- ♦ Degree in Medicine from the University of Oviedo

Dr. Noelia García González

- ♦ Pediatrician at the Central University Hospital of Asturias
- ♦ Pediatric Clinical Researcher
- ♦ Degree in Medicine

Dr. María Montes Granda

- ♦ Pediatrician at San Rafael Hospital
- ♦ Degree in Medicine

Dr. Carmen Elena González Álvarez

- ♦ Pediatrician at Alzira Health Center Spain
- ♦ Degree in Medicine

Dr. Aránzazu López Martínez

- ♦ Health Center Pediatrician Spain
- ♦ Degree in Medicine

06

Educational Plan

For this Hybrid Professional Master's Degree, TECH has integrated an avant-garde syllabus that brings together the most innovative content related to Primary Care Pediatrics. The program includes several academic modules that cover the latest care criteria for the management of children and adolescents with cardiac, neurological, respiratory and hematological pathologies, among others. At the same time, the curriculum analyzes those protocols that are currently considered to be the most efficient for dealing with pediatric emergencies. The entire program will take place on a 100% online learning platform and will implement didactic resources such as infographics, interactive summaries and videos.



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The theoretical phase of this program is supported by a 100% online and interactive learning platform, without restrictive schedules or pre-established evaluation chronograms"

Module 1. Newborn and Well-Baby Care

- 1.1. Normal Newborn Characteristics and Care of a the Newborn and Most Common Problems
- 1.2. Respiratory Pathology in Recent Newborns
- 1.3. Periodic Health Examinations in Pediatric Ages
- 1.4. Psychomotor and Language Development
- 1.5. Breastfeeding and Formula Feeding
- 1.6. Childcare Consultations in the First Year of Life
- 1.7. Nutrition in the First Year of Life and Pre-school
- 1.8. School and Adolescent Nutrition
- 1.9. Adolescence
- 1.10. Vaccines Vaccination Calendar and in Special Situations

Module 2. Respiratory and ENT Pathology

- 2.1. Upper Respiratory Tract Infections Acute Pharyngotonsillitis, Acute Otitis Media, Sinusitis
- 2.2. Allergic rhinitis
- 2.3. Acute Laryngitis Croup
- 2.4. Acute Bronchiolitis
- 2.5. Community-Acquired Pneumonia (CAP)
- 2.6. A Child with Wheezing Bronchial Asthma
- 2.7. Managing a Child with a Persistent Cough Chronic cough
- 2.8. COVID-19 in Pediatric Ages
- 2.9. Procedures and Techniques I: Forced Spirometry, Bronchodynamic Tests, PEF (Peak Expiratory Flow Meter Management)
- 2.10. Procedures and Techniques II: Inhalation Techniques Oxygen Therapy

Module 3. Cardiology

- 3.1. Assessment of Cardiac Murmur in the Child
- 3.2. Complementary Tests in a Child with Suspected Cardiac Pathology ECG, Chest X-Ray, Various Tests
- 3.3. Arrhythmias and Syncope
- 3.4. Heart Failure
- 3.5. Congenital Heart Disease
- 3.6. Arterial Hypertension
- 3.7. Rheumatic Fever
- 3.8. Myocarditis
- 3.9. Infectious Endocarditis
- 3.10. Pericardial Diseases in the Child

Module 4. Gastroenterology

- 4.1. Acute Abdominal Pain
- 4.2. Chronic Abdominal Pain
- 4.3. Congenital Hypertrophy of the Pylorus
- 4.4. Acute Diarrhea Acute Dehydration Acid-base Balance Disorders
- 4.5. Coeliac Disease
- 4.6. GERD
- 4.7. Constipation
- 4.8. Intestinal Parasitosis
- 4.9. Functional Foods, Intestinal Microbiotics and Probiotics
- 4.10. Hepatitis

Module 5. Nutrition Endocrine Metabolism

- 5.1. Normal and Pathological Growth A Child Who Does Not Grow
- 5.2. Diabetes
- 5.3. Obesity
- 5.4. Congenital Metabolic Diseases
- 5.5. Dyslipidemia in Pediatric Ages
- 5.6. The Child With Short Stature
- 5.7. Hypopituitarisms in Children
- 5.8. Thyroid Diseases in Childhood
- 5.9. Pathologies of Puberty
- 5.10. Chronic Kidney Disease in Childhood

Module 6. Genital Urology Nephrology

- 6.1. Urinary Infections
- 6.2. Infantile Vulvovaginitis
- 6.3. Cryptorchidism
- 6.4. Ambiguous Genitalia and Genital Malformations
- 6.5. Hematuria
- 6.6. Nephritic Syndrome and Glomerulonephritis
- 6.7. Nephrotic Syndrome
- 6.8. Polycystic Kidneys
- 6.9. Hypospadias and Urethral Diseases in Childhood
- 6.10. Chronic Kidney Disease in Childhood

Module 7. Osteomyoarticular System and Rheumatology

- 7.1. Study of the Child with Arthralgia or Arthritis
- 7.2. Juvenile Rheumatoid Arthritis
- 7.3. Septic Arthritis
- 7.4. Osteomyelitis
- 7.5. Most Common Orthopedic Diseases in Childhood
- 7.6. Assessment of Children's Feet
- 7.7. Hip Pathology by Age
- 7.8. Podiatry and Walking Disorders
- 7.9. Pediatric Systemic Lupus Erythematosus Erythematosus
- 7.10. Juvenile Spondyloarthropathies

Module 8. Neurology, Psychiatry and Sleep Disorders

- 8.1. Headaches
- 8.2. Epilepsy and Disorders with Non-epileptic Seizures in Childhood (ADHD)
- 8.3. Pediatric Cerebral Palsy
- 8.4. Diagnosis and Monitoring of the Child with Down Syndrome
- 8.5. Attention Deficit Hyperactivity Disorder (ADHD)
- 8.6. Psychosomatic Disorders in Children and Adolescents
- 8.7. Autism
- 8.8. Introduction to the Neuroanatomy of Sleep
- 8.9. Clinical Suspicion of Sleep Disorders: Daytime and Nocturnal Symptoms Daytime and Nighttime Clinic
- 8.10. Diagnosis and Treatment of the Main Sleep Disorders in PC

Module 9. Dermatology and Ophthalmology

- 9.1. Cutaneous Viral and Bacterial Infections
- 9.2. Cutaneous Mycosis in Childhood
- 9.3. Pediculosis in Childhood
- 9.4. Eczema Atopic Dermatitis
- 9.5. Acne
- 9.6. Skin Alterations of the Hair and Nails
- 9.7. Visual Control in Children
- 9.8. Visual Sharpness Amblyopia Strabismus. Diagnosis. Treatment Focus According to the Clinical Conditions
- 9.9. Conjunctivitis and Blepharitis Red Eye: Differential Diagnosis. Therapeutic Approach
- 9.10. Eyelids and Tear System: Ptosis Malformations. Tear Obstruction

Module 10. Hematology, Immunology and Infectious Diseases

- 10.1. Congenital Immunodeficiencies
- 10.2. Drug and Food Allergies in Childhood
- 10.3. Anemias
- 10.4. Leukaemias
- 10.5. Hemorrhagic and Coagulation Disorders
- 10.6. The Newborn of a Mother with HIV
- 10.7. Exanthematous Diseases
- 10.8. Febrile Syndrome without Focus
- 10.9. Whooping Cough and Pertussis Syndrome
- 10.10. Sepsis and Septic Shock



Module 11. Pediatric Emergencies in Primary Care

- 11.1. Equipment in the Emergency Services
- 11.2. Basic Pediatric CPR
- 11.3. Advanced Pediatric and Neonatal CPR
- 11.4. Analgesia and Sedation
- 11.5. Acute Seizure and Status Convulsion
- 11.6. Febrile Syndrome with Hemorrhagic Manifestations
- 11.7. Cranio-Encephalic Trauma
- 11.8. Pediatric Initial Trauma Care (PITC)
- 11.9. Bacterial and Viral Meningitis
- 11.10. Anaphylaxis. Drug and Non-drug Intoxications
- 11.11. Apparently Lethal Syndromes
- 11.12. Burns and Wounds
- 11.13. Most Common Techniques and Procedures in Pediatric Emergency Departments 1
- 11.14. Most Common Techniques and Procedures in Pediatric Emergency Departments 2

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Study the modules of this program with the help of innovative teaching methods such as Relearning”

07

Clinical Internship

At the end of the first stage of this Hybrid Professional Master's Degree, TECH will provide the specialist with a rigorous clinical practice. This stay, in a prestigious hospital institution, has a face-to-face and immersive design focused on the development of the most requested skills in Primary Care Pediatrics.





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You will apply, directly and in real cases, the latest therapeutic procedures against bleeding and coagulation disorders in children and adolescents”

The clinical practice of this program is a 3-week intensive and immersive learning program to train the specialist in the latest developments in Primary Care Pediatrics. The academic modality is distributed in consecutive 8-hour days, from Monday to Friday, in a renowned hospital entity. In this facility, the specialist will handle the latest technological devices and apply state-of-the-art procedures in the care of children and adolescents with cardiac, respiratory and neurological pathologies, among others.

At the same time, you will get the doctor to work closely with experts with extensive professional experience. Their advice will enable you to assimilate new experiences quickly and in line with the latest scientific evidence. In addition, an assistant tutor will monitor all progress closely, providing personalized guidance at all times to help the graduate become involved in the different dynamics of the center where this training takes place.

The practical teaching will be carried out with the active participation of the student performing the activities and procedures of each area of competence (learning to learn and learning to do), with the accompaniment and guidance of the professors and other fellow trainees that facilitate teamwork and multidisciplinary integration as transversal competencies for medical practice (learning to be and learning to relate).

The procedures described below will form the basis of the practical part of the training, and their completion is subject to both the suitability of the patients and the availability of the center and its workload, with the proposed activities being as follows:





Module	Practical Activity
Latest trends for diagnosis and follow-up of pediatric patients through Primary Care	Diagnosing rare diseases through targeted genetic testing to help primary care physicians choose more personalized treatments
	Detect infectious diseases such as influenza through PCR testing and other rapid tests
	Implement portable devices such as blood pressure or blood glucose monitors to help primary care physicians monitor the patient's health at home
	Collect and share patient health information through mobile apps and other online programs, facilitating clinical decision making
New clinical protocols in the treatment of neurological diseases by Pediatrics in Primary Care	Assess the conditions of the child with Epilepsy and determine if they have criteria for surgical intervention or the indication of more effective and less toxic medications
	Treating Pediatric Neuropathic Pain with combinations of medications, psychological interventions and physical therapies
	Apply antiviral and therapeutic therapies based on intravenous immunoglobulin for pediatric patients with chronic encephalitis
	To develop early intervention and behavioral therapy indications for children and adolescents with and adolescents with clear indications of facing any of the conditions included in the Autism Spectrum Disorders
New trends in the management of chronic respiratory pathologies from Pediatrics in Primary Care	Use inhalation therapy for the treatment of chronic respiratory Diseases in children such as asthma, bronchitis, among others, and thus prevent the side effects of other pharmacological treatments
	Follow up, through Telemedicine, children's patients with chronic respiratory conditions
	Examine pediatric patients and their families for psychosocial and educational factors and promote healthy lifestyles to better cope with chronic respiratory pathologies
	Indicate vaccination against chronic respiratory diseases in children, such as Pneumonia and Influenza, in order to prevent complications and hospitalization
Latest strategies for the care of pediatric patients with chronic cardiac pathologies from Primary Care	Promote a more comprehensive approach to pediatric patients, with medical treatment and analysis of psychosocial and educational factors that influence their quality of life
	Implement techniques such as minimally invasive surgery for the treatment of chronic cardiac pathologies in children and adolescents
	Using stem cell therapies to reduce the impact of congenital diseases
	More efficient follow-up of patient health variables, promoting personalized health care through remote monitoring tools

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 achieving this is the response to any incident that may occur during the entire teaching-learning process.

To this end, this educational entity undertakes to take out civil liability insurance to cover any eventuality that may arise during the stay at the internship center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. In this way, the professional will not have to worry in case he/she has to face an unexpected situation and will be covered until the end of the practical program at the center.



General Conditions of the Internship Program

The general terms and conditions of the internship program agreement shall be as follows:

1. TUTOR: During the Hybrid Professional 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 Professional 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 Professional Master's Degree will receive a certificate accrediting their stay at the center.

5. EMPLOYMENT RELATIONSHIP: the Hybrid Professional 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 Professional 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 Professional 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?

This Hybrid Professional Master's Degree culminates with an intensive and immersive on-site stay in a prestigious hospital institution. During this clinical practice, the specialist will have access to the best technological equipment and state-of-the-art healthcare resources. In this way, you will be able to update your skills based on the latest scientific evidence and the most innovative devices on the healthcare market for the field of Pediatrics in Primary Care.





“

Carry out your clinical internship in a prestigious hospital institution, with the best equipment and a prestigious staff of experts that, in addition, adjusts to your geographic location"



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



Medicine

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



Medicine

Hospital HM Rosaleda

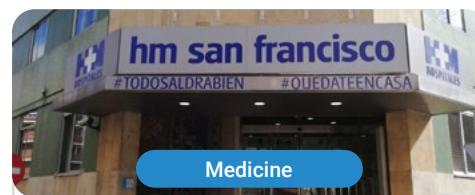
Country	City
Spain	La Coruña

Address: Rúa de Santiago León de Caracas, 1, 15701, Santiago de Compostela, A Coruña

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

Related internship programs:

- Hair Transplantation
- Orthodontics and Dentofacial Orthopedics



Medicine

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:

- Update in Anesthesiology and Resuscitation
- Trauma Nursing



Medicine

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



Medicine

Hospital HM Montepíncipe

Country	City
Spain	Madrid

Address: Av. de Montepíncipe, 25, 28660, Boadilla del Monte, Madrid

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

Related internship programs:

- Palliative Care
- Aesthetic Medicine



Medicine

Hospital HM Torrelodones

Country	City
Spain	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



Medicine

Hospital HM Sanchinarro

Country	City
Spain	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



Medicine

Hospital HM Nuevo Belén

Country	City
Spain	Madrid

Address: Calle José Silva, 7, 28043, Madrid

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

Related internship programs:

- General and Digestive System Surgery
- Clinical Nutrition in Medicine



Medicine

Hospital HM Puerta del Sur

Country City
Spain 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



Medicine

Hospital HM Vallés

Country City
Spain Madrid

Address: Calle Santiago, 14, 28801, Alcalá de Henares, Madrid

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

- Related internship programs:**
- Gynecologic Oncology
 - Clinical Ophthalmology



Medicine

Policlínico HM Cruz Verde

Country City
Spain Madrid

Address: Plaza de la Cruz Verde, 1-3, 28807, Alcalá de Henares, Madrid

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

- Related internship programs:**
- Advanced Clinical Podiatry
 - Optical Technologies and Clinical Optometry



Medicine

Policlínico HM Moraleja

Country City
Spain 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



Policlínico HM Sanchinarro

Country: Spain City: Madrid

Address: Av. de Manteras, 10, 28050, Madrid

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

Related internship programs:
Update in Primary Care Pediatrics



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





Medicine

Medicentro Boadilla

Country	City
Spain	Madrid

Address: Av. Infante Don Luis, 8, 28660 Boadilla del Monte, Madrid

Polyclinic with more than a decade of experience in the management of a multitude of pathologies.

Related internship programs:

- Aesthetic Medicine
- Clinical Dermatology



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

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. Specialists 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 in the physician's professional 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. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate 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.



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.

Professionals will learn through real cases and by resolving 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, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. 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 specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to 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 TECH's 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.



Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



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".



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.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



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.



Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



10 Certificate

The Hybrid Professional Master's Degree Primary Care Pediatrics guarantees students, in addition to the most rigorous and up-to-date education, access to a Hybrid Professional Master's Degree diploma issued by TECH Technological University.



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

This **Hybrid Professional Master's Degree in Primary Care Pediatrics** contains the most complete and up-to-date program on the professional and educational field.

After the student has passed the assessments, they will receive their corresponding Hybrid Professional Master's Degree diploma issued by TECH Technological University via tracked delivery*.

In addition to the diploma, students will be able to obtain an academic transcript, as well as a certificate outlining the contents of the program. In order to do so, students should contact their academic advisor, who will provide them with all the necessary information.

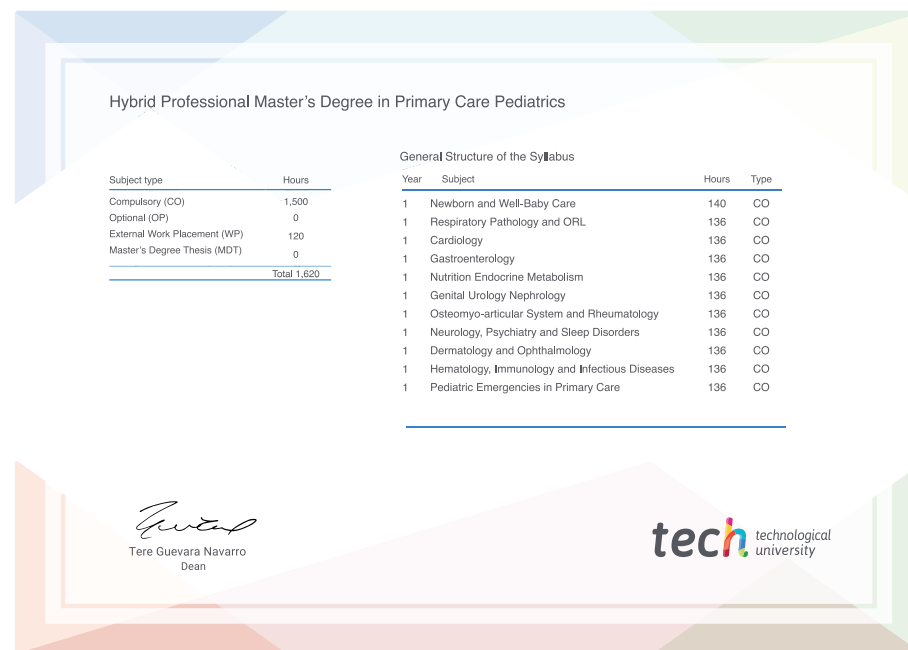
Title: **Hybrid Professional Master's Degree in Primary Care Pediatrics**

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

Duration: **12 months**

Certificate: **TECH Technological University**

Teaching Hours: **1,620 h.**



*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.



Hybrid Professional Master's Degree

Primary Care Pediatrics

Course Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Technological University

Teaching Hours: 1,620 h.

Hybrid Professional Master's Degree

Primary Care Pediatrics

