

# Postgraduate Diploma Pediatrics in Primary Care



## Postgraduate Diploma Pediatrics in Primary Care

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-pediatrics-primary-care](http://www.techtute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-pediatrics-primary-care)

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# 01

# Introduction

According to numerous studies carried out by primary care specialists, the pediatricians are one of the most decisive professionals in the medical field, solving more than 90% of the health demands of child patients. In addition, they play a fundamental role in prevention, promotion and health education through their active participation in primary care. For this reason, and due to the importance of their role, they must continually update their knowledge in order to offer the best care based on the most cutting-edge clinical strategies. And to help you keep up to date, TECH has developed a complete academic experience 100% online of 400 hours through which you can perfect your skills in the management of newborns and patients of various ages up to adolescence, focusing on the most demanded fields such as dermatology, nutrition and gastroenterology.



A close-up photograph of a person's hand holding a small, circular, metallic medical device. The device has a textured outer ring and a smooth inner surface with a small hole. The hand is positioned in the upper left corner of the frame, with fingers gripping the device. The background is a dark blue gradient.

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*A diverse, updated and dynamic program with which you will be able to keep up to date with the latest developments related to the clinical management of pediatric patients of all ages"*

The promotion, surveillance and health care of infants is the responsibility of pediatric professionals, who must carry out a specific praxis for the clinical management of the pathologies of these patients, different from that applied to adults. The fact is that these are people whose bodies are still in the developmental stage, so they do not have the optimal characteristics to fight diseases effectively. For this reason, they require specialized care, mainly based on vaccination, family care, growth controls and guidance in the prevention and/or treatment of pathologies in the event that they suffer from them.

In order for professionals in this field to have access to a program in which they can find the latest news about it, TECH has developed the Postgraduate Diploma in Pediatrics in Primary Care. This is a 100% online academic experience, through which the graduates will be able to update their clinical practice in relation to the care of healthy children, delving into the most effective guidelines for feeding at different ages, treatments to strengthen the immune system and standards for the promotion of psychomotor development and effective language. In addition, it focuses on the most common consultations related to dermatology, nutrition and gastroenterology, delving into the most innovative diagnostic and therapeutic guidelines for each case.

All this, over 400 hours of the best theoretical and practical content, which has been designed by a team of the highest level versed in Primary Care and Pediatrics. In addition, its convenient 100% online format makes it perfect to combine it with the activity of your practice, since, in addition to being able to access it from any device with an Internet connection, you will not have restricted schedules or limits. This way, you will be able to enjoy a tailor-made academic experience with which you will undoubtedly be able to perfect your clinical practice in modern pediatric care.

This **Postgraduate Diploma in Pediatrics in Primary Care** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The development of case studies presented by experts in Pediatrics and Primary Care
- The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are essential for professional practice
- Practical exercises where the self-assessment process can be carried out to improve learning
- Its special emphasis on innovative methodologies
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection



*If one of your priorities is to update the strategies for approaching the most frequent pathologies in newborns, this Postgraduate Diploma is perfect for you"*

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*You will work intensively on aspects such as breastfeeding, feeding and vaccination, so that you can implement the most updated information in your clinical strategy”*

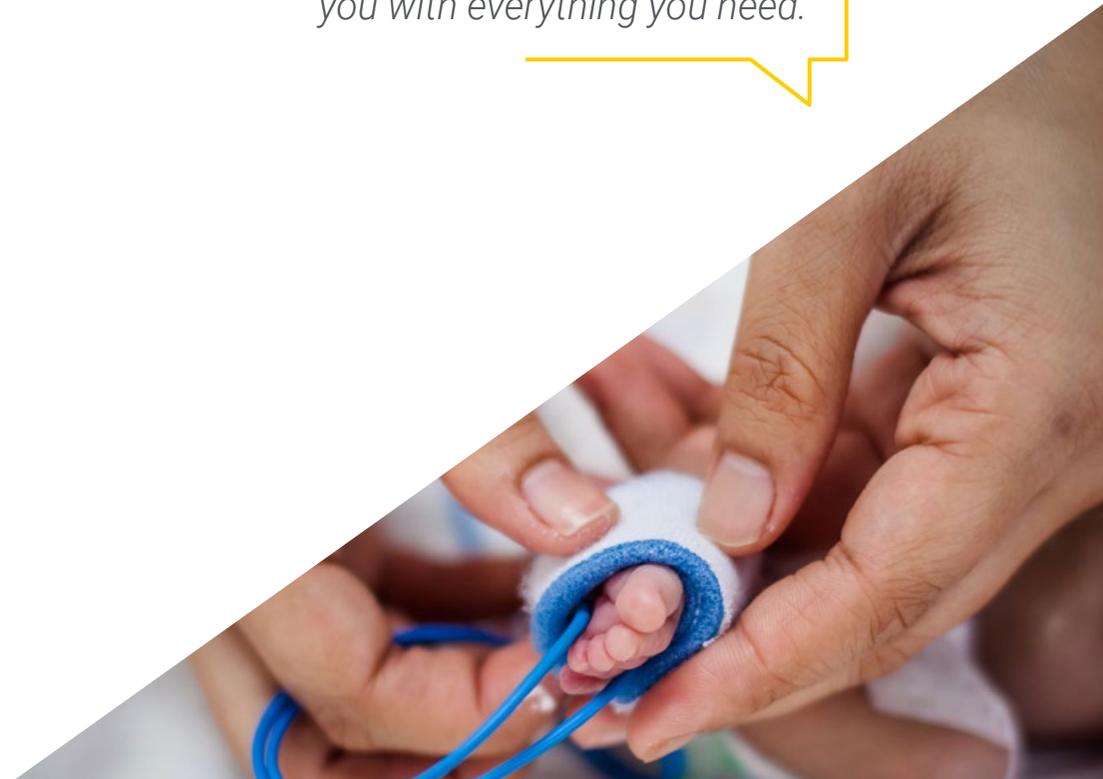
The program's teaching staff includes professionals from the sector who contribute their work experience to this program, in addition to renowned specialists from leading societies and prestigious universities.

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

This program is designed around Problem-Based Learning, whereby professionals must try to solve the different professional practice situations that arise throughout the program. For this purpose, the students will be assisted by an innovative interactive video system created by renowned experts.

*The best program on the current academic market to update you on the vaccination schedule and clinical requirements for inoculation in special situations.*

*Would you like to know in detail the latest guidelines for psychomotor and language stimulation in child patients? Then opt for a program like this one, which will provide you with everything you need.*



# 02 Objectives

The objective of this Postgraduate Diploma is none other than to provide graduates with all the information they need to update their knowledge in a guaranteed manner, contributing to an innovative clinical practice based on the latest scientific advances. In this way, they will be able to learn in detail the latest developments in Pediatrics, focusing on the most frequent clinical consultations. Thanks to this program, the students will be able to implement in their practice the most avant-garde and effective diagnostic and therapeutic treatment strategies in only 6 months of 100% online academic experience.





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*Do you want to be updated on the most frequent health problems in the newborn for a more accurate and innovative approach? In this program you will find the most cutting-edge information on the subject"*



## General Objectives

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- ♦ Develop an updated and comprehensive set of knowledge on pediatric clinical management in primary care
- ♦ Know in detail the diagnostic and therapeutic advances in pediatric dermatology, nutrition and gastroenterology



*Thanks to the completeness of the program, you will be able to implement in your practice the most effective and innovative respiratory techniques related to the prevention and care of respiratory pathologies in the newborn"*





## Specific Objectives

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### Module 1. Newborn and Well-Baby Care

- ♦ Revise the characteristics of a normal newborn and the care that should receive in the first few hours of life
- ♦ Explain the most common health problems that could occur in a 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 initiating 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 successful breastfeeding according to the needs of the infant
- ♦ 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. Gastroenterology

- ♦ Identify the basic characteristics of the most common gastrointestinal alterations in pediatrics
- ♦ Describe the diagnostic process associated with gastrointestinal disorders 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 3. Nutrition Endocrine Metabolism

- ♦ Identify feeding-related disorders and closely follow up with 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 4. 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 pediatric sleep-related problems
- ♦ Establish an appropriate diagnosis and treatment in these types of disorders

### Module 5. 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

03

# Structure and Content

The syllabus of this program has been designed by the teaching team, who, being specialists in the field of Pediatrics and Primary Care, know in detail the information that the graduates must handle in order to carry out a top-level praxis based on the latest diagnostic and therapeutic developments in this sector. In addition, in order to bring dynamism to the program, dozens of hours of additional material have been selected, presented in different formats, so that the student can contextualize the information of the syllabus and delve in a personalized way in the different sections of the same.



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*The teaching team has selected cases from their own practices so that you can perfect your clinical skills in a simulated way through the practical resolution of different pediatric care contexts”*

### Module 1. Newborn and Well-Baby Care

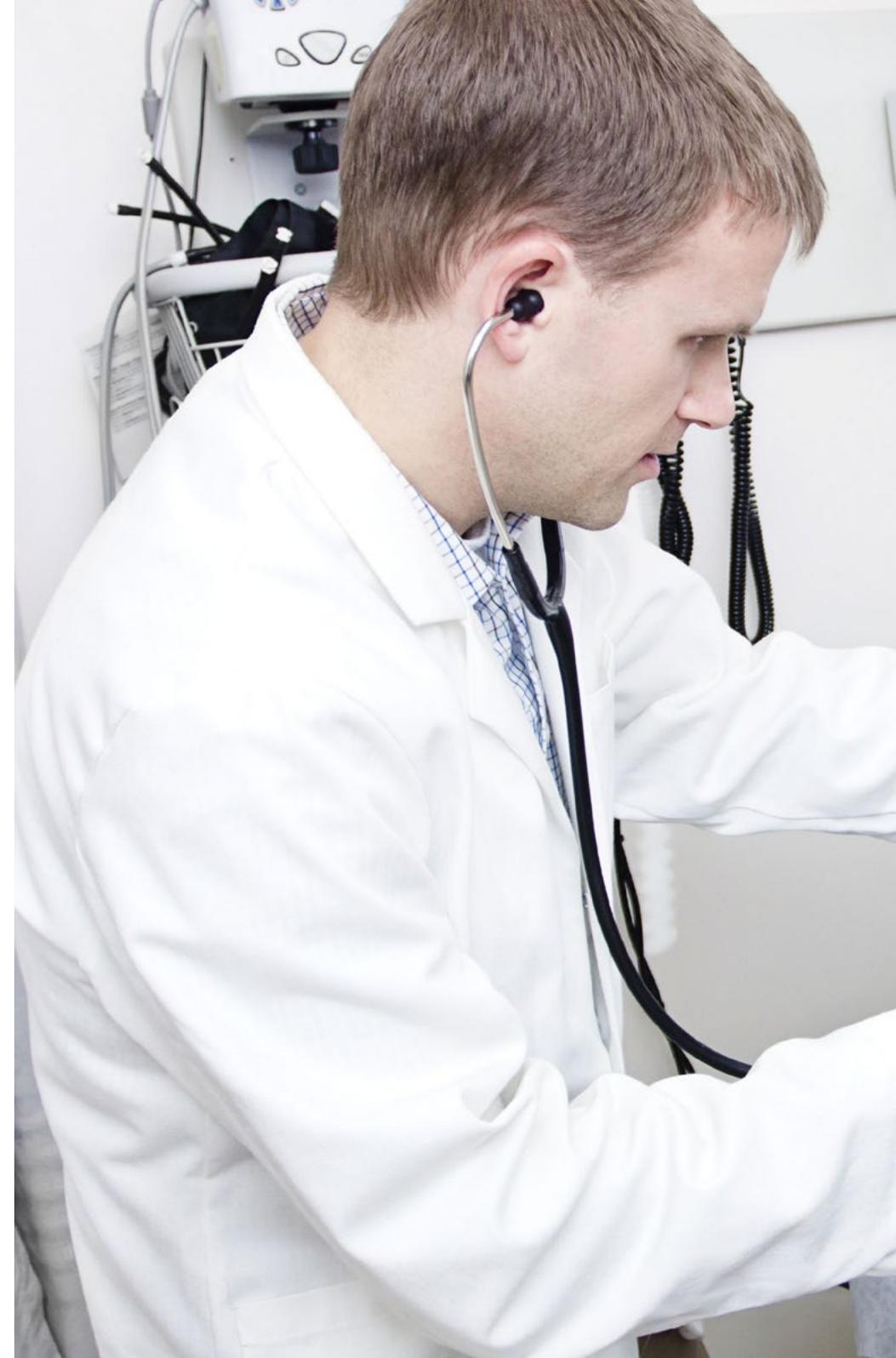
- 1.1. Normal Newborn Characteristics and Care of a the Newborn and Most Common Problems
- 1.2. Respiratory Pathology in Recent Newborns
- 1.3. Periodic Health Examinations in Pediatric Ages
- 1.4. Psychomotor and Language Development
- 1.5. Breastfeeding and Formula Feeding
- 1.6. Childcare Consultations 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. Gastroenterology

- 2.1. Acute Abdominal Pain
- 2.2. Chronic Abdominal Pain
- 2.3. Congenital Hypertrophy of the Pylorus
- 2.4. Acute Diarrhea Acute Dehydration Acid-base balance disorders
- 2.5. Coeliac Disease
- 2.6. GERD
- 2.7. Constipation
- 2.8. Intestinal Parasitosis
- 2.9. Functional Foods, Intestinal Microbiotics and Probiotics
- 2.10. Hepatitis

### Module 3. Nutrition Endocrine Metabolism

- 3.1. Normal and Pathological Growth A Child Who Does Not Grow
- 3.2. Diabetes
- 3.3. Obesity
- 3.4. Congenital Metabolic Diseases
- 3.5. Dyslipidemia in Pediatric Ages
- 3.6. The Child With Short Stature
- 3.7. Hypopituitarisms in Children
- 3.8. Thyroid Diseases in Childhood
- 3.9. Pathologies of Puberty
- 3.10. Diagnosis of Adrenal Insufficiency in Primary Care





#### Module 4. Neurology, Psychiatry and Sleep Disorders

- 4.1. Headaches
- 4.2. Epilepsy and Disorders with Non-epileptic Seizures in Childhood (ADHD)
- 4.3. Pediatric Cerebral Palsy
- 4.4. Diagnosis and Monitoring of the Child with Down Syndrome
- 4.5. Attention Deficit Hyperactivity Disorder (ADHD)
- 4.6. Psychosomatic Disorders in Children and Adolescents
- 4.7. Autism
- 4.8. Introduction to the Neuroanatomy of Sleep
- 4.9. Clinical Suspicion of Sleep Disorders: Daytime and Nocturnal Symptoms Daytime and Nighttime Clinic
- 4.10. Diagnosis and Treatment of the Main Sleep Disorders in PC

#### Module 5. Hematology, Immunology and Infectious Diseases

- 5.1. Congenital Immunodeficiencies
- 5.2. Drug and Food Allergies in Childhood
- 5.3. Anemias
- 5.4. Leukaemias
- 5.5. Hemorrhagic and Coagulation Disorders
- 5.6. The Newborn of a Mother with HIV
- 5.7. Exanthematous Diseases
- 5.8. Febrile Syndrome without Focus
- 5.9. Whooping Cough and Pertussis Syndrome
- 5.10. Sepsis-Septic Shock

# 04

# 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.





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*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.

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*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

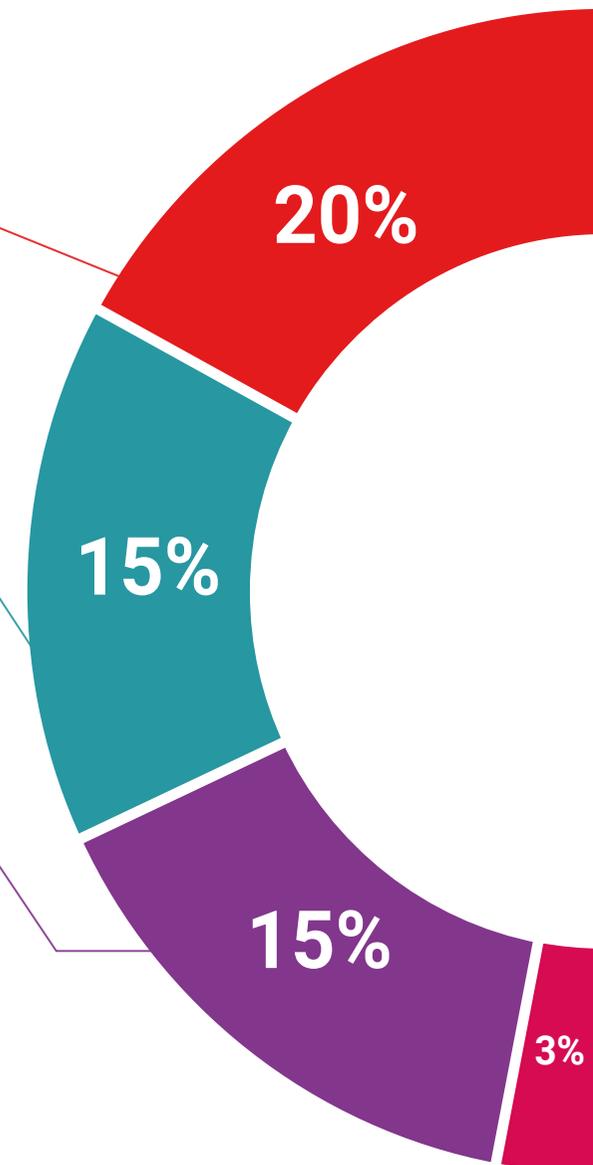
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

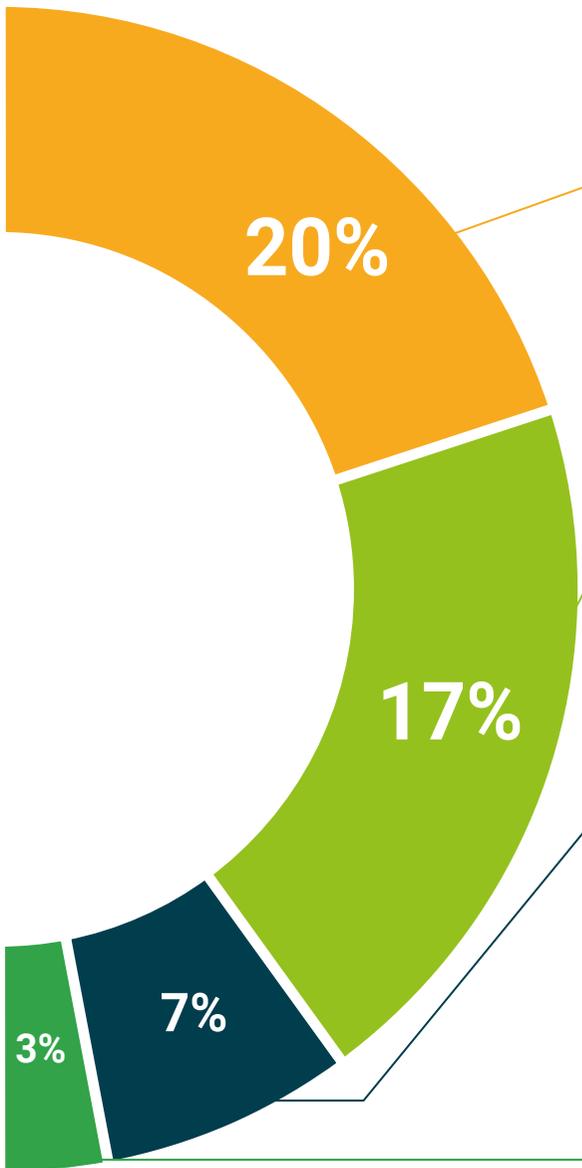
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### 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.



05

# Certificate

The Postgraduate Diploma in Pediatrics in Primary Care guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate 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 Postgraduate Diploma in Pediatrics in Primary Care contains the most complete and up-to-date program on the market.

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

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

Title: **Postgraduate Diploma in Pediatrics in Primary Care**

Official N° of Hours: **400 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.



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