

# Postgraduate Diploma

## Malnutrition and Digestive Pathology in Childhood





## Postgraduate Diploma

### Malnutrition and Digestive Pathology in Childhood

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Accreditation: 16 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/nutrition/postgraduate-diploma/postgraduate-diploma-malnutrition-digestive-pathology-childhood](http://www.techtute.com/us/nutrition/postgraduate-diploma/postgraduate-diploma-malnutrition-digestive-pathology-childhood)

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01

# Introduction

Children with Digestive Pathologies or malnutrition require personalized nutritional care that allows them to acquire the necessary nutrients to improve their health. This care can be carried out by different professionals and, therefore, in this case we want to offer specialized qualification for nutritionists, so that they acquire the necessary skills to design diets appropriate to the pathologies of children.



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*Improve your knowledge in Malnutrition and Digestive Pathology in Childhood through this program, where you will find the best didactic material with real clinical cases”*

Specialization in nutrition is the essential response of the professional to the care and preventive needs of the population in matters of food and health. To improve your specialization, this program offers a global vision of child malnutrition, while focusing on the most important and innovative aspects of feeding in pediatric digestive pathology, including diseases in which feeding plays a highly relevant role.

In this way, this Postgraduate Diploma gives the possibility to delve into and update knowledge on this subject, with the use of the most current educational technology. In addition, it allows specialization in the field of clinical nutrition in areas of special interest such as nutrigenetics and nutrigenomics, nutrition and obesity, hospital dietetics, and nutritional trends.

One of the main advantages of this program is that it is presented in a 100% online format, which is a unique opportunity to continue studying from anywhere in the world, as they only need a computer or mobile device with an Internet connection. Therefore, students will be able to choose their own study schedule, which gives them the opportunity to self-manage their time, being able to organize themselves with the rest of their daily obligations.

This **Postgraduate Diploma in Malnutrition and Digestive Pathology in Childhood** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The development of practical cases presented by experts in malnutrition and Digestive Pathologies in childhood
- 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
- Practical exercises where self-assessment can be used to improve learning
- An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- With special emphasis on research methodologies in malnutrition and digestive pathology in childhood
- 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



*This Postgraduate Diploma in Malnutrition and Digestive Pathology in Childhood will help you keep up to date in order to provide personalized care to your patients”*

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*This Postgraduate Diploma is the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in Malnutrition and Digestive Pathology in Childhood, you will obtain a degree from the leading online university in Spanish: TECH”*

It includes, in its teaching staff, professionals belonging to the field of pediatric nutrition, who pour into this specialization the experience of their work, in addition to recognized specialists from reference societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive learning experience designed to prepare for real-life situations.

The design of this program focuses on Problem Based Learning, through which nutritionists must try to solve the different professional practice situations that arise. For this, specialists will be assisted by an innovative interactive video system developed by recognized experts in Malnutrition and Digestive Pathology in Childhood and with great experience.

*Increase your decision-making confidence by updating your knowledge with this Postgraduate Diploma.*

*Take the opportunity to learn about the latest advances in this field and apply it to your daily practice.*



# 02 Objectives

The main objective of the program is the development of theoretical and practical learning, so that nutritionists can master in a practical and rigorous way the Malnutrition and Digestive Pathology in Childhood.







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*This Postgraduate Diploma will allow you to improve your knowledge in Malnutrition and Digestive Pathology in Childhood with the use of the latest educational technology, in order to contribute with quality and security to the decision making process"*



## General Objectives

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- Update the nutritionist's knowledge on new trends in human nutrition, in both health and pathological situations
- Promote work strategies based on the practical knowledge of the new trends in nutrition and its application to adult pathologies, where nutrition plays a fundamental role in treatment
- Encourage the acquisition of technical skills and abilities, through a powerful audiovisual system, and the possibility of development through online simulation workshops and/or specific education
- Encourage professional stimulation through continuous education and research
- Prepare the professional for research into patients with nutritional problems





## Specific Objectives

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### Module 1. Infant Malnutrition.

- ♦ Predict patients' nutritional risk.
- ♦ Early detection and evaluation of quantitative and qualitative deviations from the nutritional balance due to excess or deficiency
- ♦ Identify children at nutritional risk who are eligible for specific support
- ♦ Identify children suffering from malnutrition
- ♦ Describe the correct nutritional support for a malnourished child
- ♦ Classify the different types of malnutrition and their impact on the developing organism
- ♦ Identify the appropriate nutritional therapy for pediatric patients with chronic pulmonary pathology

### Module 2. Childhood Nutrition and Pathologies

- ♦ Analyze the implications of nutrition in the growth process and in the prevention and treatment of different childhood pathologies
- ♦ Explain current trends in the nutrition of infants with delayed intrauterine growth and the implication of nutrition on metabolic diseases
- ♦ Reflect on the etiology, repercussions, and treatment of childhood obesity
- ♦ Explain the nutritional treatment of the most common deficiency diseases in our environment

- ♦ Define the role that fats play in children's diets
- ♦ Assess the psychological and physiological aspects involved in eating disorders in young children
- ♦ Review the pathogenesis and update the treatment of inborn errors of metabolism
- ♦ Identify exclusion foods in the diets of children with celiac disease
- ♦ Identify dietary factors related to bone metabolism
- ♦ Explain managing children with gastroesophageal reflux
- ♦ Describe the main malabsorption syndromes and how they are treated



*Take the step to catch up on the latest developments in Malnutrition and Digestive Pathology in Childhood”*

# 03

# Course Management

For this occasion, TECH has selected a group of teachers, specialists and experts in different disciplines found within the program. To this extent, the program is a compendium of knowledge from the best minds in the field. On the other hand, the design of the topics will be in audiovisual, didactic and practical material, which the teachers designed for easy handling.



“

*Learn from the best professionals and become a successful professional yourself”*

## International Guest Director

Lara Al-Dandachi is one of the few registered dietitians in California, and the rest of the United States, to hold a triple certification in Diabetes Care specialty CDES, Advanced Diabetes Management BC-ADM and in Obesity with Subspecialty Weight Management (CSOWM). Her work as a clinical nutritionist has led her to lead projects such as UCLA Health's Gonda Diabetes Prevention Program, which has received special recognition from the Center for Disease Control and Prevention (CDC) and has allowed her to work with multiple cohorts.

In addition, she coordinates the Obesity Reduction Program (PRO) as Director of Nutrition. From that group, she is in charge of developing and updating the professional curriculum for overweight education in adults and adolescents, as well as training new dietitians. In all of these settings, she counsels her patients on how to improve their lifestyle by incorporating healthy eating habits, increased physical activity and the fundamentals of Integrative Medicine.

At the same time, Al-Dandachi continually seeks to stay at the forefront of clinical research in Nutrition. She has attended the Harvard Blackburn Course in Obesity Medicine twice. In those participations, she has received the Certificate of Training in Pediatric and Adult Obesity through the Commission on Dietetic Registration (CDR), the accrediting agency of the American Academy of Nutrition and Dietetics.

Also, her mastery of this healthcare field allows her to provide personalized care to patients with rare conditions such as latent Autoimmune Diabetes in adulthood. She has also worked in her Public Health internship as a volunteer, collaborating with underprivileged populations in initiatives for HIV education and prevention, the Head Start program , among others.



## Ms. Al-Dandachi, Lara

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- ♦ Nutrition Director of the Obesity Reduction Program at UCLA Health, California, United States
- ♦ Clinical Dietitian with CareMore Health Plan
- ♦ Director of Nutrition at Hollywood Presbyterian Medical Center
- ♦ Clinical Dietitian at Sodexo Health Care Services
- ♦ Clinical Dietitian at Beverly Hospital
- ♦ Master's Degree in Public Health at Loma Linda University
- ♦ Bachelor of Science in Nutrition Science and Dietetics at the American University of Beirut

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*Thanks to TECH, you will be able to learn with the best professionals in the world”*

## Management



### Ms. Auni3n Lavar3as, Mar3a Eugenia

- ◆ Pharmacist and Clinical Nutrition Expert
- ◆ "Author of the reference book in the field of Clinical Nutrition "Dietary Management of Overweight in the Pharmacy Office" (Panamericana Medical Publishing House)
- ◆ Pharmacist with extensive experience in the public and private sector
- ◆ Pharmacist in Valencia Pharmacy
- ◆ Pharmacy Assistant in the British pharmacy and health and beauty retail chain Boots, UK.
- ◆ Degree in Pharmacy and Food Science and Technology. University of Valencia
- ◆ Head of Postgraduate Certificate "Dermocosmetics in the Pharmacy Office"





04

# Structure and Content

The structure of the contents has been designed by a team of professionals from the best educational centers and universities in the country, who are aware of the relevance of up-to-date specialization and are committed to quality teaching through new educational technologies.



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*A comprehensive educational program, structured in well-developed teaching units, oriented towards efficient and swift learning that is compatible with your personal and professional life"*

## Module 1. Child Malnutrition

- 1.1. Childhood Malnutrition and Undernutrition
  - 1.1.1. Psychosocial Aspects
  - 1.1.2. Pediatric Assessment
  - 1.1.3. Treatment and Monitoring
- 1.2. Nutritional Anemias
  - 1.2.1. Other Nutritional Anemias in Childhood
- 1.3. Vitamin and Trace Element Deficiencies
  - 1.3.1. Vitamins
  - 1.3.2. Trace Elements
  - 1.3.3. Detection and Treatment
- 1.4. Fats in Infant Diets
  - 1.4.1. Essential Fatty Acids
- 1.5. Childhood Obesity
  - 1.5.1. Prevention
  - 1.5.2. Impact of Childhood Obesity
  - 1.5.3. Nutritional Treatment

## Module 2. Childhood Nutrition and Pathologies

- 2.1. Nutrition of Children with Oral Pathologies
  - 2.1.1. Major Childhood Oral Pathologies
  - 2.1.2. Repercussions of These Alterations on the Child's Nutrition
  - 2.1.3. Mechanisms to Avoid Related Malnutrition
- 2.2. Nutrition of Infants and Children with Gastroesophageal Reflux
  - 2.2.1. Repercussions of These Alterations on the Child's Nutrition
  - 2.2.2. Mechanisms to Avoid Related Malnutrition
- 2.3. Nutrition in Acute Diarrhea Situation
  - 2.3.1. Repercussions of These Alterations on the Child's Nutrition
  - 2.3.2. Mechanisms to Avoid Related Malnutrition



- 2.4. Nutrition in Children with Celiac Disease
  - 2.4.1. Repercussions of These Alterations on the Child's Nutrition
  - 2.4.2. Mechanisms to Avoid Related Malnutrition
- 2.5. Nutrition in Children with Inflammatory Bowel Disease
  - 2.5.1. Repercussions of These Alterations on the Child's Nutrition
  - 2.5.2. Mechanisms to Avoid Related Malnutrition
- 2.6. Nutrition in Children with Digestive Malabsorption Syndrome
  - 2.6.1. Repercussions of These Alterations on the Child's Nutrition
  - 2.6.2. Mechanisms to Avoid Related Malnutrition
- 2.7. Nutrition in Children with Constipation
  - 2.7.1. Nutritional Mechanisms to Prevent Constipation
  - 2.7.2. Nutritional Approaches for Treating Constipation
- 2.8. Nutrition in Children with Liver Disease
  - 2.8.1. Repercussions of These Alterations on the Child's Nutrition
  - 2.8.2. Mechanisms to Avoid Related Malnutrition
  - 2.8.3. Special Diets

“ *A unique specialization experience, key and decisive to boost your professional development*”



05

# Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



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

## The student: the priority of all TECH programs

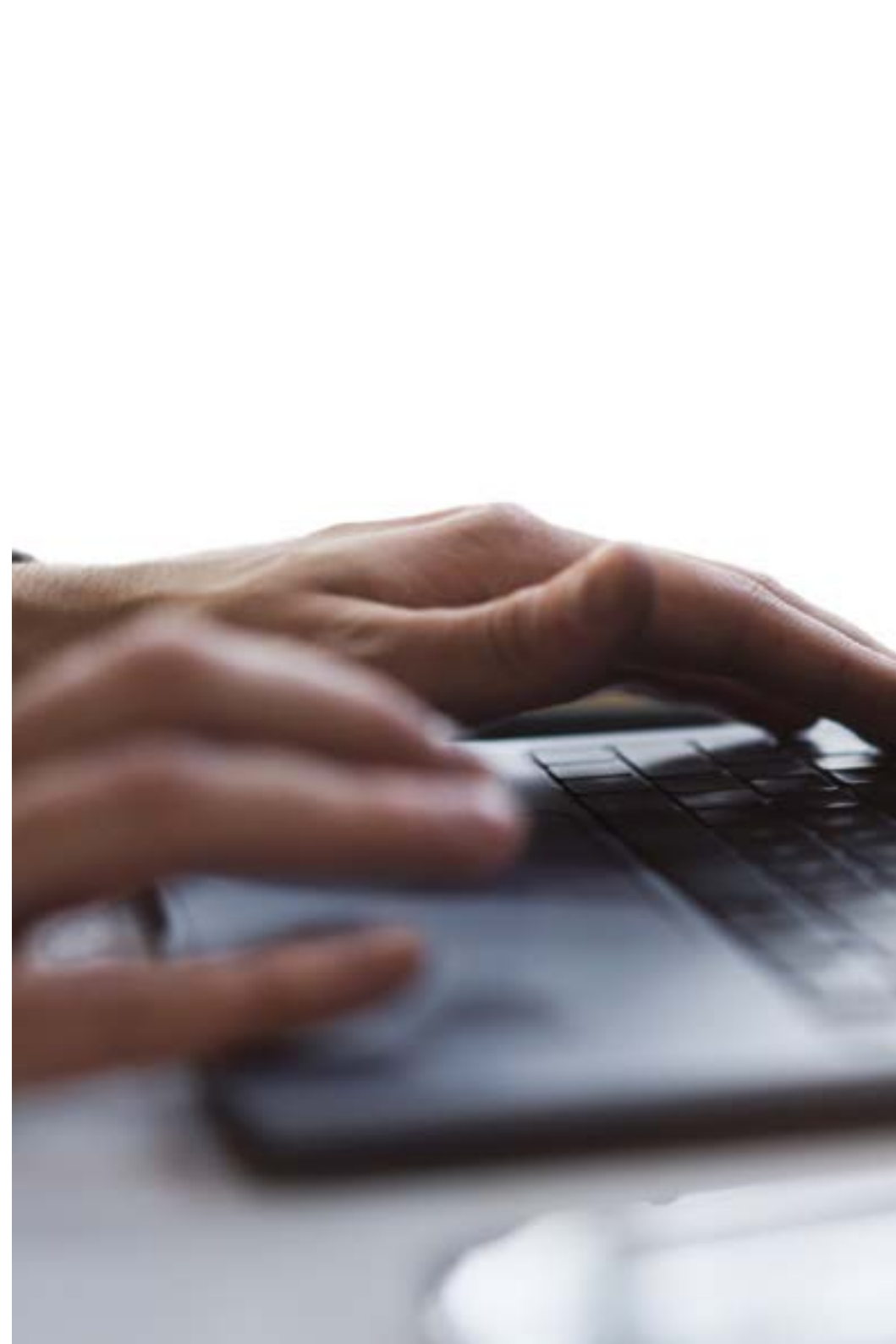
In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

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





### The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

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*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want”*

## Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



## Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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



## A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

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



*The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”*

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

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

## The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the quality of teaching, quality of materials, course structure and objectives is excellent. Not surprisingly, the institution became the best rated university by its students on the Trustpilot review platform, obtaining a 4.9 out of 5.

*Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.*

*You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.*



As such, the best educational materials, thoroughly prepared, will be available in this program:



### Study Material

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

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



### Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



### Interactive Summaries

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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



### Additional Reading

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





**Case Studies**

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.



**Testing & Retesting**

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



**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 for 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.



06

# Certificate

The Postgraduate Diploma in Malnutrition and Digestive Pathology in Childhood guarantees, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma certificate issued by TECH Global University.





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*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 **Postgraduate Diploma in Malnutrition and Digestive Pathology in Childhood** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University**, is an official European University publicly recognized by the Government of Andorra (*official bulletin*). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Malnutrition and Digestive Pathology in Childhood**

Modality: **online**

Duration: **6 months**

Accreditation: **16 ECTS**



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

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



## Postgraduate Diploma Malnutrition and Digestive Pathology in Childhood

- » Modality: online
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Malnutrition and Digestive  
Pathology in Childhood