Postgraduate Diploma

Pediatric Nutrition

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Postgraduate Diploma

Pediatric Nutrition

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

Website: www.techtitute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-pediatric-nutrition

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01

Introduction

Nutrition in the growth stage is fundamental for the correct physical and mental development of the child.

Inadequate nutrition in childhood increases risk factors such as obesity and other diseases in adulthood. Therefore, it is essential for the medical professional to know the latest advances in food and nutrition in the origin, treatment and support of different pathologies in children.

Improve your knowledge through this program, where you will find the best educational material supported by real clinical cases" Learn here about the latest advances in the specialty to be able to perform a quality medical practice"

This program offers the possibility to deepen and update knowledge in nutrition, with the use of the latest educational technology. It offers a global vision of Pediatric Nutrition while focusing on the most important and innovative aspects of feeding in the pediatric age, including from the intrauterine phase to adolescence, as well as the diseases in which feeding plays a highly relevant role.

This program provides specialization in the field of Paediatric Nutrition in areas of particular interest such as:

- Nutrigenetics
- Nutrigenomics.
- Nutrition and obesity
- Hospital dietetics
- Nutritional trends

This program is methodologically designed for distance learning in order to guarantee optimal supervision.

With this qualification you will have the opportunity to study a program that brings together the most advanced and in-depth knowledge in the field, where a group of highly regarded professors with extensive international experience provides you with the most complete and up-to-date information on the latest advances and techniques in Pediatric Nutrition.

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

- The graphic, schematic and practical contents of the course are designed to provide all the essential information required for professional practice.
- It contains exercises where the self-assessment process can be carried out to improve learning
- Algorithm-based interactive learning system for decision-making for patients with feeding problems.
- All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments.
- Availability of content from any fixed or portable device with internet connection

Increase your skills in the approach to Pediatric Nutrition with this Postgraduate Diploma"

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 Pediatric Nutrition, you will obtain a qualification from TECH Global University"

This Postgraduate Diploma offers learning in simulated environments, which provides an immersive learning experience designed to train for real-life situations.

It includes clinical cases to bring the program as close as possible to the reality of care in medicine.

Its teaching staff includes renowned specialists in nutrition based on clinical practice, who bring the experience of their work to this program.

The multimedia content developed with the latest educational technology will provide the physician with situated and contextual learning, i.e., a simulated environment that will provide immersive training programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the physician must try to solve the different professional practice situations that arise throughout the program.

For this reason, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of radiology with extensive teaching experience.

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Objectives

The main objective of the program is the development of theoretical and practical learning, so that the doctor can master in a practical and rigorous way Pediatric Nutrition

This refresher program will generate a sense of confidence when practising medicine, which will help you grow both personally and professionally"

General Objectives

- Update the physician's knowledge on new trends in human nutrition, both in health and pathological situations, through evidence-based medicine
- Promote work strategies based on practical knowledge of the latest trends in nutrition and their application to adult pathologies, where nutrition plays a key role in their therapeutic management
- Facilitate the acquisition of skills and technical expertise through a powerful audiovisual system, with the opportunity for further development through online simulation workshops and/or specific specialization
- Encourage professional stimulation through continuing education and research
- Train to conduct research on patients with nutritional issues

Specific Objectives

Module 1. New Developments in Nutrition

- Review the foundations of a balanced diet at different stages of the life cycle, as well as in exercise
- Assess and calculate nutritional requirements in both health and illness at any stage of the life cycle
- Review the new dietary guidelines, nutritional objectives, and recommended dietary allowances (RDA)
- Manage food databases and composition tables
- Acquire skills in reading and understanding new food labeling methods
- Update the drug-nutrient interaction and its implication in the patient's treatment
- Incorporate the possibilities of phytotherapy as an adjuvant treatment in clinical practice

Module 2. Physiology of Pediatric Nutrition

- Apply the Sciences of Food and Nutrition to the practice of pediatric dietetics
- Update various educational methods applied in health sciences, as well as communication techniques applicable to human nutrition, with a special focus on the pediatric and adolescent population
- Reflect on the role of the school cafeteria as an educational tool
- Review knowledge on physiology and nutrition at different stages of child development
- Analyze the implications of nutrition in the growth process and in the prevention and treatment of various pediatric pathologies
- Identify the impact of maternal nutrition during pregnancy and lactation on intrauterine growth and the development of the neonate and infant
- Describe the nutritional requirements in the different periods of childhood
- Apply the knowledge acquired on nutritional assessment in Pediatrics

Module 3. Artificial Nutrition in Pediatrics

- Identify children at nutritional risk who are eligible for specific support
- Evaluate and monitor the supervision of children on nutritional support
- Explain the latest developments and available evidence on probiotics and prebiotics in pediatric nutrition
- Identify children suffering from malnutrition
- Describe the correct nutritional support for a malnourished child
- Explain the nutritional requirements of a sick child and the applications of enteral and parenteral nutrition
- Define the indication for the type of artificial nutrition according to the child and their needs

Make the most of the opportunity and take the step to get up to date on the latest developments in Pediatric Nutrition"

03

Course Management

The professionals in charge of all the educational content that make up this program have years of teaching experience and have come together to help give a boost to the graduate's professional career. TECH has assembled an expert faculty in Pediatric Nutrition that has a wide prestige in the profession. For this reason, they have developed this Postgraduate Diploma with recent updates on the subject that will allow you to learn and increase your Skills in this sector.

Learn with the best professionals in the industry and become a successful professional yourself"

International Guest Director

Dr. Sumantra Ray is an internationally recognized specialist in **Nutrition** and his main areas of interest are **Nutrition Education in Health Systems** and **Cardiovascular Disease Prevention**. With his outstanding experience in this health field, he has served as a consultant on special assignment for the **Nutrition Management** of the **World Health Organization** Headquarters in Geneva. He has also worked as **Director of Research** in Food Security, Health and Society in the Faculty of Humanities and Social Sciences at the University of Cambridge.

For his constant commitment to the dissemination of **healthy eating habits**, he has received the **Josephine Lansdell Award** from the British Medical Association. Specifically, this recognition highlighted his contributions related to nutrition and **Cardiovascular Prevention**. Also, as an international expert, he has participated in a work program on **Food, Nutrition** and **Education** in India, led by the University of Cambridge and funded by the UK Global Challenges Research Fund.

Dr. Sumantra Ray's studies are worldwide references, focusing on **global food security**, as it is a fundamental aspect for the development of societies. In addition, he has demonstrated his leadership skills as a **Senior Clinical Scientist** at the **Medical Research Council**, focusing on **Nutrition** and **Vascular Health** studies. In this position, he directed an experimental medicine facility dedicated to Human **Nutrition** studies.

Throughout his career he has authored more than **200 scientific publications** and has written the **Oxford Handbook of Clinical and Health Research**, aimed at strengthening the basic research skills of health care workers around the world. In this sense, he has shared his scientific findings in numerous presentations and congresses, in which he has participated in different countries.

Dr. Ray, Sumantra

- Executive Director and Founder, NNEdPro Global Nutrition and Health
- Centre, Cambridge, UK
- Director of Research in Food Security, Health and Society in the Faculty of Humanities and Social Sciences, University of Cambridge
- Co-Founder and President of the BMJ Scientific Journal Nutrition, Prevention and Health
- Presidential Advisor at the School of Advanced Studies on Food and Nutrition, University of Parma
- Vice President of the Conference of Medical Academic Representatives of the BMA
- Consultant on special assignment for the Nutrition Directorate of the World Health Organization Headquarters in Geneva
- Honorary International Dean of the Cordia Colleges in India
- Senior Clinical Scientist with the Medical Research Council
- Bachelor's Degree in Medicine

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

Management

Ms. Aunión Lavarías, María Eugenia

- Pharmacist and Clinical Nutrition Expert
- "Author of the reference book in the field of Clinical Nutrition "Dietetic Management of Overweight in the Pharmacy Office". (Panamerican 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
- Director of the University Course "Dermocosmetics in the Pharmacy Office"

04

Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of the program in daily medical practice, aware of the relevance of the current qualification in Pediatric Nutrition, and committed to quality teaching through new educational technologies.

This Postgraduate Diploma in Pediatric Nutrition contains the most complete and up-to-date scientific program on the market"

Module 1. New Developments in Nutrition

1.1. Molecular Foundations of Nutrition
1.2. Update on Food Composition
1.3. Food Composition Tables and Nutritional Databases
1.4. Phytochemicals and Non-Nutritive Compounds
1.5. New Food
  1.5.1. Functional Nutrients and Bioactive Compounds
  1.5.2. Probiotics, Prebiotics and Symbiotics
  1.5.3. Quality and Design
1.6. Organic Food
1.7. Genetically Modified Foods
1.8. Water as a Nutrient
1.9. Food Safety
  1.9.1. Physical, Chemical, and Microbiological Hazards
1.10. New Food Labeling and Consumer Information
1.11. Phytotherapy Applied to Nutritional Pathologies

Module 2. Physiology of Pediatric Nutrition

2.1. Nutritional Requirements at Different Stages of Childhood
2.2. Nutritional Assessment in Children
2.3. Assessment and Recommendations for Physical Activity
2.4. Nutrition During Pregnancy and Its Impact on the Newborn
2.5. Current Trends in Nutrition for Preterm Infants
2.6. Nutrition for Lactating Women and Its Impact on the Infant
2.7. Feeding the Newborn with Intrauterine Growth Retardation. Implications for Metabolic Diseases
2.8. Breastfeeding
2.9. Human Milk Banks
2.10. Concept and Characteristics of Formulas Used for Infant Feeding
2.11. Transition to Diversified Feeding. Complementary Feeding During the First Year of Life
2.12. Feeding for Children Aged 1. to 3. Years
2.13. Feeding During Stable Growth Phase. Nutrition of School-Aged Children

2.14. Feeding During Adolescence. Nutritional Risk Factors
2.15. Nutrition for Children and Adolescent Athletes
2.16. Other Dietary Modalities for Children and Adolescents. Cultural, Social, and Religious Influences on Pediatric Diet
2.17. Prevention of Nutrition-Related Diseases from Childhood. Objectives and Guidelines

Module 3. Artificial Nutrition in Pediatrics

3.1. Concept of Nutritional Therapy
  3.1.1. Evaluation of Patients in Need of Nutritional Support
  3.1.2. Indications
3.2. General Information about Enteral and Parenteral Nutrition
3.3. Dietary Products Used for Sick Children or Children with Special Needs
3.4. Implementing and Monitoring Patients with Nutritional Support
  3.4.1. Critical Patients
  3.4.2. Patients with Neurological Pathologies
3.5. Artificial Nutrition at Home
3.6. Nutritional Supplements to Support the Conventional Diet
3.7. Probiotics and Prebiotics in Pediatric Nutrition

A unique, key and decisive training experience to boost your professional development"

05

Methodology

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

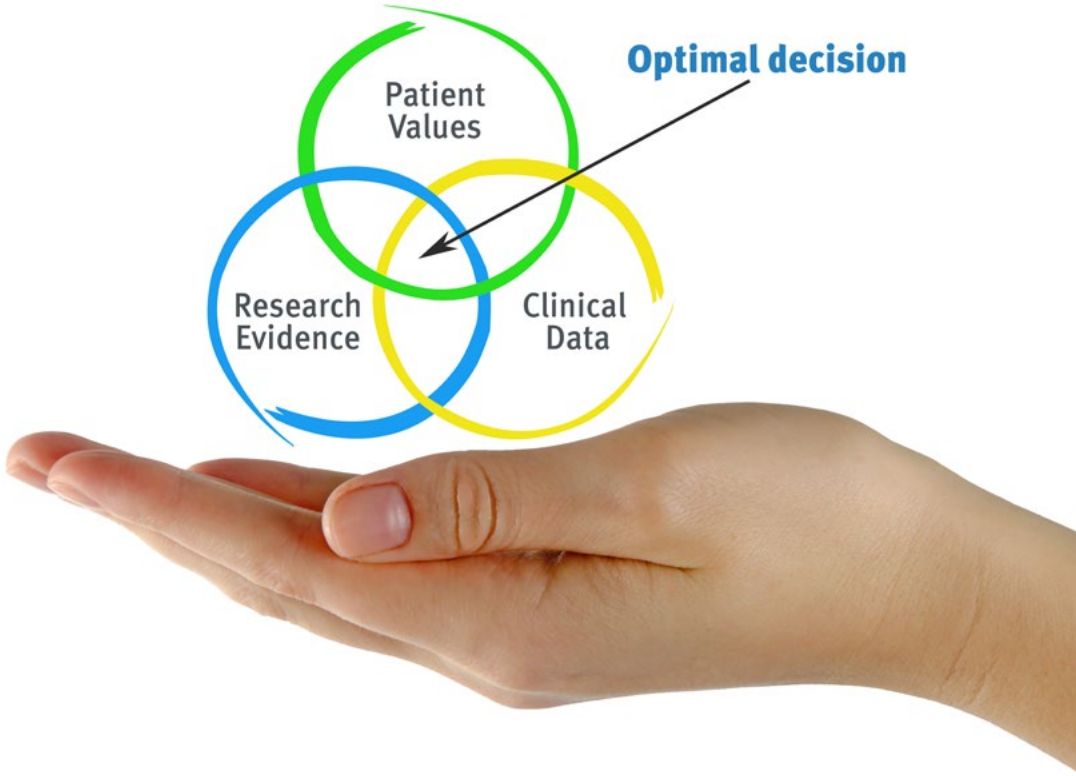
This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

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:

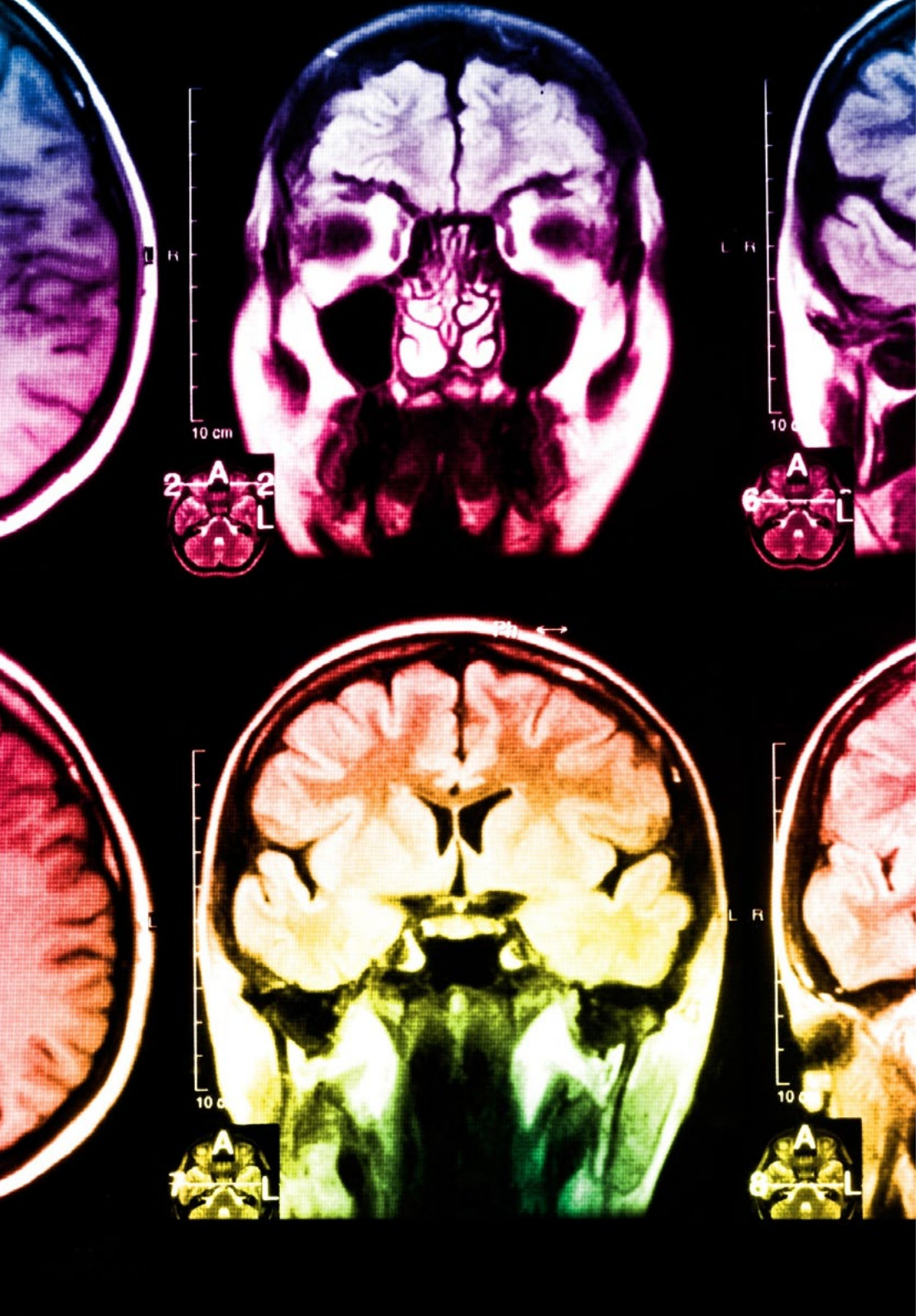
1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better 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.

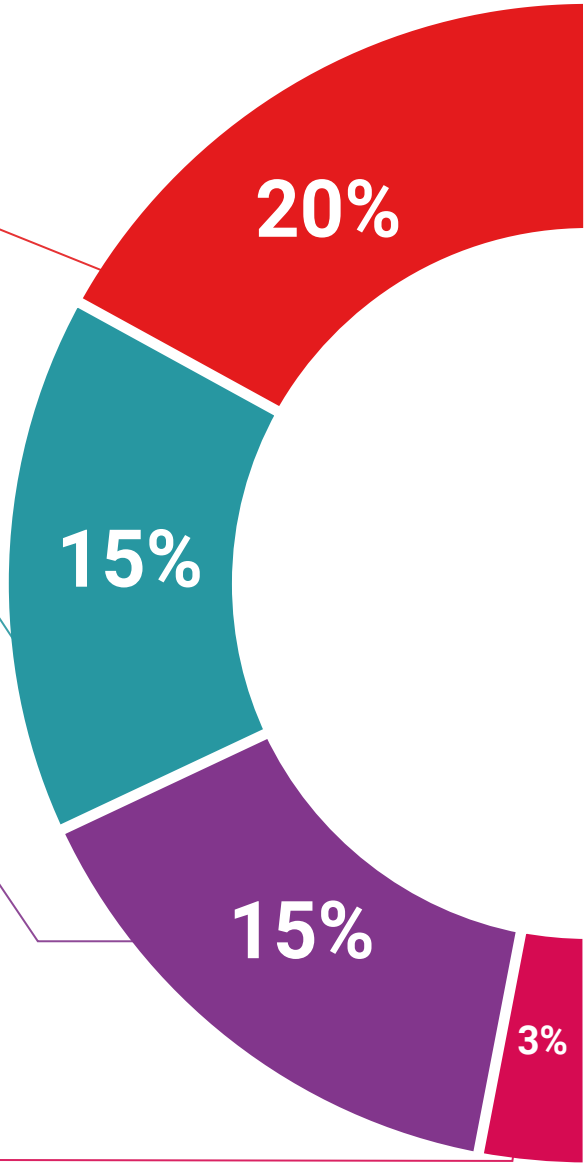
Interactive Summaries

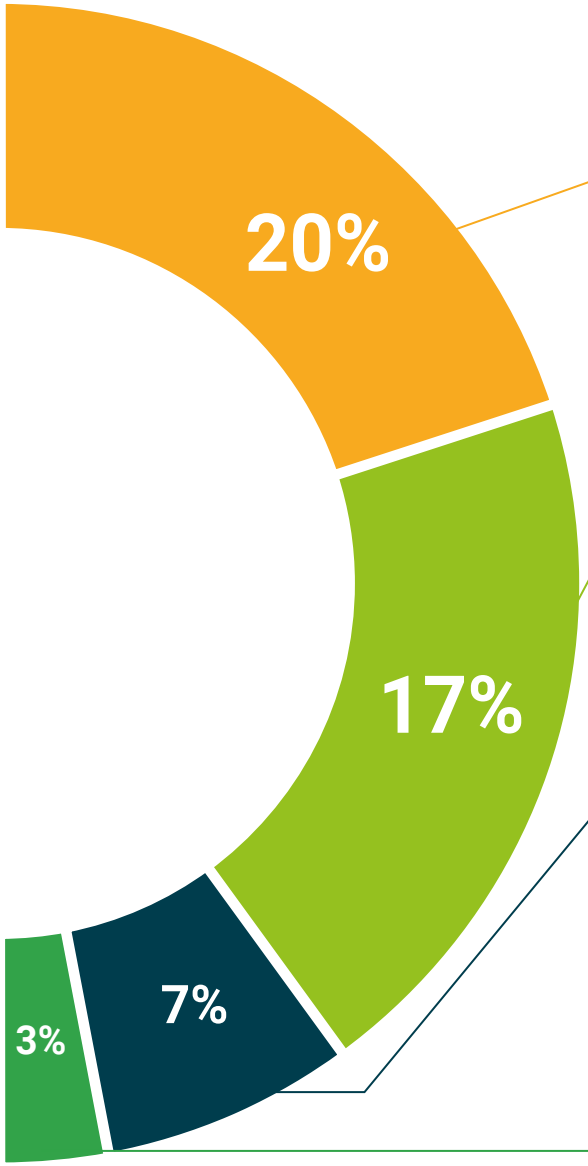
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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.

06

Certificate

The Postgraduate Diploma in Pediatric Nutrition guarantees students, in addition to the most accurate and up-to-date education, access to a Postgraduate Diploma issued by TECH Global University.

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

This program will allow you to obtain your **Postgraduate Diploma in Pediatric Nutrition** 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** title 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 Pediatric Nutrition**

Modality: **online**

Duration: **6 months**

Accreditation: **16 ECTS**


tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Diploma in Pediatric Nutrition

This is a private qualification of 480 hours of duration equivalent to 16 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

*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.

Postgraduate Diploma

Pediatric Nutrition

- Modality: **online**
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- Exams: **online**

Postgraduate Diploma

Pediatric Nutrition

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