Postgraduate Diploma

Pediatric Nutrition

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Postgraduate Diploma

Pediatric Nutrition

Course Modality: **Online**
Duration: **6 months.**
Certificate: **TECH Technological University**
Official N° of Hours: **400h.**
Website: **www.techtitute.com/us/pharmacy/postgraduate-diploma/postgraduate-diploma-pediatric-nutrition**

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01

Introduction

In the first stages of life, it is essential to have a correct nutrition for the child to grow up without health problems. With this intensive educational program, the pharmacist will learn to assess the nutritional status in the different periods of childhood.

A unique opportunity to specialize in Pediatric Nutrition and stand out in a sector with high professional competence.

Don't miss the opportunity to become one of the best pharmacists, specialized in Pediatric Nutrition, with this program of high scientific rigor"

With this intensive specialization, the student will delve into the most relevant aspects of Pediatric Nutrition, from the hand of professionals with extensive experience in the field.

This Postgraduate Diploma offers a global vision of Pediatric Nutrition in Pharmacy while focusing on the most important and innovative aspects of nutrition in the pediatric age, including from the intrauterine phase to adolescence, as well as the diseases in which nutrition plays a highly relevant role.

The syllabus covers the main current topics in nutrition for pharmacists so that those who master them will be prepared to work in this field. Therefore, it is not just another qualification on your CV, but a real learning tool to approach the topics of the specialty in a modern, objective way and with the ability to make a judgment based on today's most cutting-edge literature.

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

If you want to improve your daily practice, don't hesitate to broaden your knowledge with this intensive specialization"

This Postgraduate Diploma may be 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 Postgraduate Diploma from TECH Technological University"

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

Renowned professionals have contributed their knowledge and experience to the development of this program.

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

Thanks to their multimedia content developed with the latest educational technology, they will allow the pharmacist to learn in a contextual and situated way, i.e., a simulated environment that will provide immersive learning programmed to train in real situations.

This program is designed around Problem-Based Learning, by means of which the pharmacist must try to solve the different situations of their professional practice that arise during the course.

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.

02

Objectives

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

The role of pharmacists in the field of nutrition is fundamental in advising those customers who wish to improve their health"

General Objectives

- Update the knowledge on new trends in human nutrition, in both healthy 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 training
- Encourage professional stimulation through continuous education and research
- Train the professional for research into patients with nutritional problems

Specific Objectives

Module 1. New Developments in Food

- Describe the composition and utilities of new foods
- Early detection and assessment of quantitative and qualitative deviations from the nutritional balance due to excess or deficiency
- Analyze the different methods for assessing nutritional status
- Interpret and integrate anthropometric, clinical, biochemical, hematological, immunological, and pharmacological data in the patient's nutritional assessment and dietary-nutritional treatment
- Describe new formulae used in infant feeding
- Reflect on the role of human milk as a functional food

Module 2. Physiology of Infant Nutrition

- Explain the relationship of physiology and nutrition in the different stages of infant development
- Identify the repercussion that a pregnant and lactating mother's nutrition has on the intrauterine growth and evolution of new-borns and infants
- Perform nutritional assessment in pediatrics
- Analyze the implications of nutrition in the growth process and in the prevention and treatment of different childhood pathologies
- Describe the nutritional requirements in the different periods of childhood
- Assess and prescribe physical activity as a factor involved in nutritional status
- Calculate child and adolescent athlete dietary needs and risks
- Reflect and identify risk factors in school and adolescent nutrition
- Explain current trends in the nutrition of infants with delayed intrauterine growth and the implication of nutrition on metabolic diseases
- Review current trends in premature infant nutrition

Module 3. Artificial Nutrition in Pediatrics

- Incorporate into clinical practice the different techniques and products of basic and advanced nutritional support related to pediatric nutrition
- Identify children at nutritional risk who are eligible for specific support
- Evaluate and monitor the supervision of children on nutritional support
- Reflect on new trends and models in infant feeding
- Analyze the operation of milk banks

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 creation of the materials has been carried out by a team of reference professionals in the area of clinical nutrition. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.

Learn the latest advances in clinical nutrition from leading professionals"

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"

03

Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of specialization in daily pharmaceutical practice, aware of the relevance of the current relevance of training 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 Food

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 Synbiotics
  1.5.3. Quality and Design
1.6. Organic food
1.7. Transgenic Foods
1.8. Water as a Nutrient
1.9. Food Safety.
  1.9.1. Physical Hazards
  1.9.2. Chemical Hazards
  1.9.3. Microbiological Hazards
1.10. New labelling and consumer information
1.11. Phytotherapy Applied to Nutritional Pathologies

Module 2. Physiology of Infant Nutrition

2.1. Nutrition During Pregnancy and its Impact on the New-born
2.2. Current Trends in the Premature New-born Nutrition
2.3. Nutrition of Newborns with Intrauterine Growth Delay. Implications on Metabolic Diseases
2.4. Nutrition in Lactating Women and its Impact on the Infant
2.5. Breastfeeding
  2.5.1. Human Milk as a Functional Food
  2.5.2. Process of Milk Synthesis and Secretion
  2.5.3. Reasons for it to be Encouraged
2.6. Human Milk Banks
  2.6.1. Milk Bank Operation and Indications
2.7. Characteristics of the Formulae Used in Infant Feeding
2.8. Influence of Nutrition on Growth and Development

2.9. Nutritional Requirements in the Different Periods of Childhood
2.10. Nutritional Assessment in Children
2.11. Physical Activity Evaluation and Recommendations
2.12. The Move to a Diversified Diet. Complementary Feeding During the First Year of Life
2.13. Feeding 1–3-Year-Old Children
2.14. Feeding During the Stable Growth Phase. Schoolchild Nutrition
2.15. Adolescent Nutrition. Nutritional Risk Factors
2.16. Child and Adolescent Athlete Nutrition.
2.17. Other Dietary Patterns for Children and Adolescents. Cultural, Social, and Religious Influences on Childhood Nutrition
2.18. Prevention of Childhood Nutritional Diseases. Objectives and Guidelines

Module 3. Artificial Nutrition in Pediatrics

3.1. Nutritional Therapy in Pediatrics
  3.1.1. Evaluation of Patients in Need of Nutritional Support
  3.1.2. Indications
3.2. Enteral Paediatric Nutrition
3.3. Parenteral Paediatric Nutrition
3.4. Dietary Products Used for Sick Children or Children with Special Needs
3.5. Implementing and Monitoring Patients with Nutritional Support
  3.5.1. Critical Patients
  3.5.2. Patients with Neurological Pathologies
3.6. Artificial nutrition at home
3.7. Nutritional Supplements to Support the Conventional Diet
3.8. Probiotics and prebiotics in infant feeding

A unique, key, and decisive program 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.**

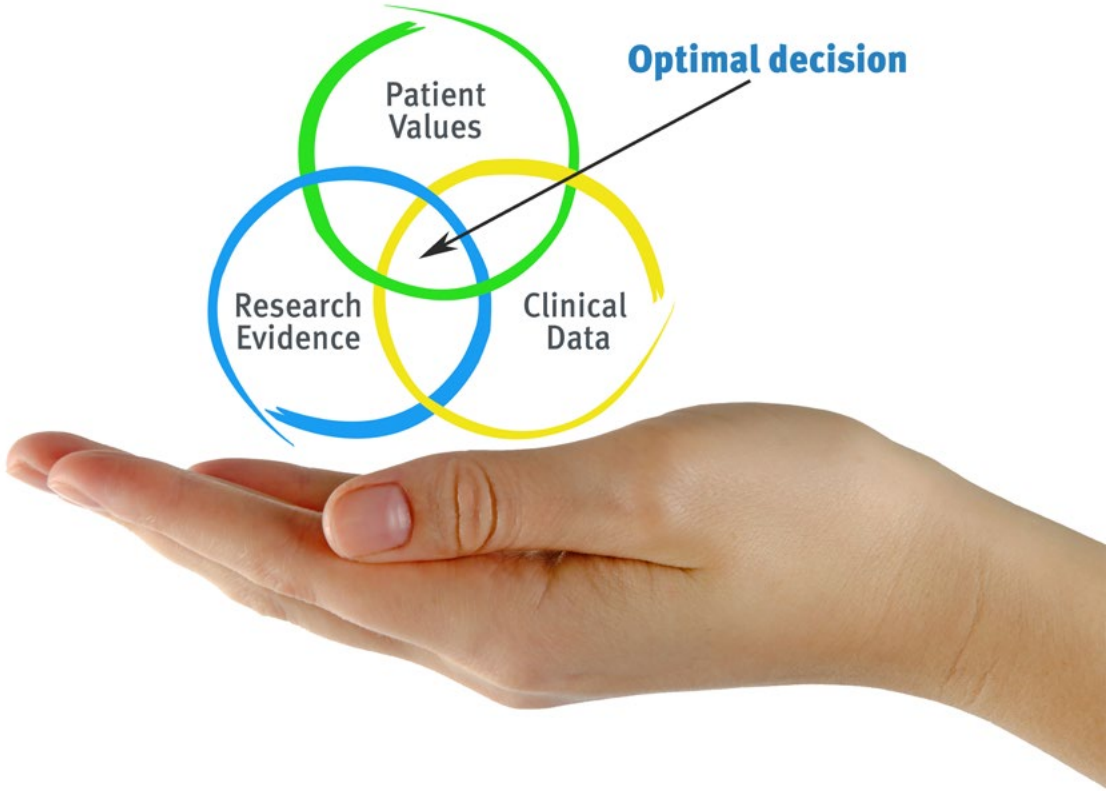
This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

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 be confronted with multiple simulated clinical cases based on real patients, in which they will have to investigate, establish hypotheses and ultimately, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Pharmacists learn better, more quickly 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, attempting to recreate the actual conditions in a pharmacist'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:

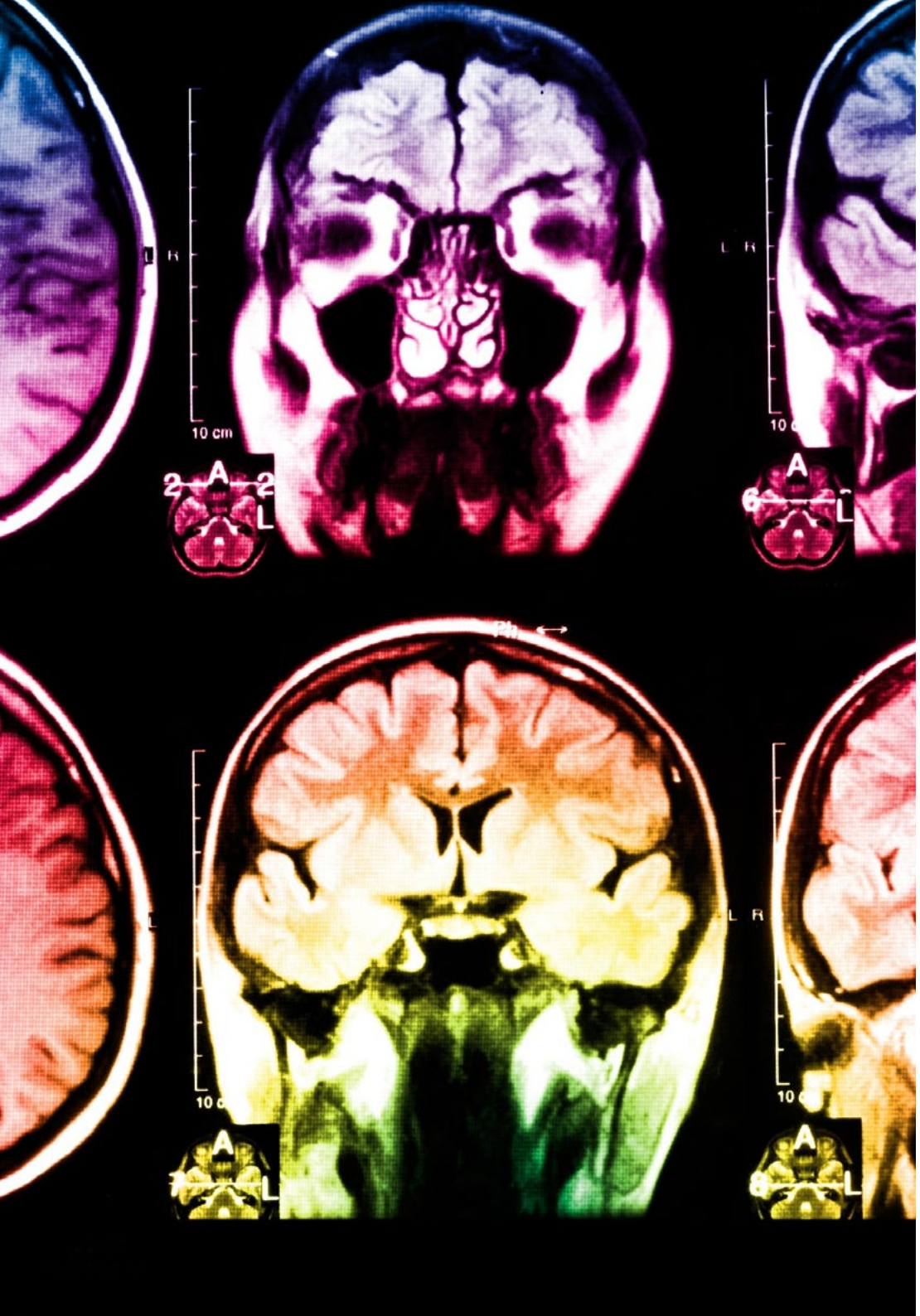
1. Pharmacists who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts 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.

Our 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, which represent a real revolution with respect to simply studying and analyzing cases.

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



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

With this methodology, more than 115,000 pharmacists have been trained with unprecedented success in all clinical specialties, regardless of the surgical load. This pedagogical methodology is developed in a highly demanding environment, with a university student body with a high socioeconomic profile and an average age of 43.5 years.

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 created specifically for the course by specialist pharmacists who will be teaching the course, so that the didactic development is highly specific and accurate.

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.

Video Techniques and Procedures

TECH introduces students to the latest techniques, to the latest educational advances, to the forefront of current pharmaceutical care procedures. All of this, first hand, and explained and detailed with precision to contribute to assimilation and a better understanding. And best of all, you can watch them as many times as you want.

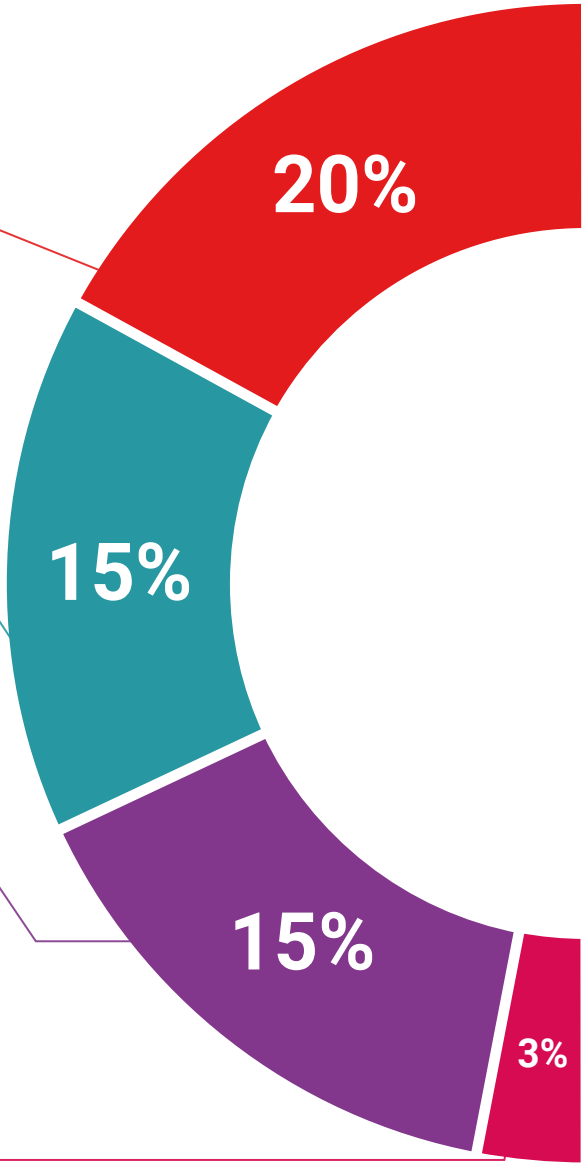
Interactive Summaries

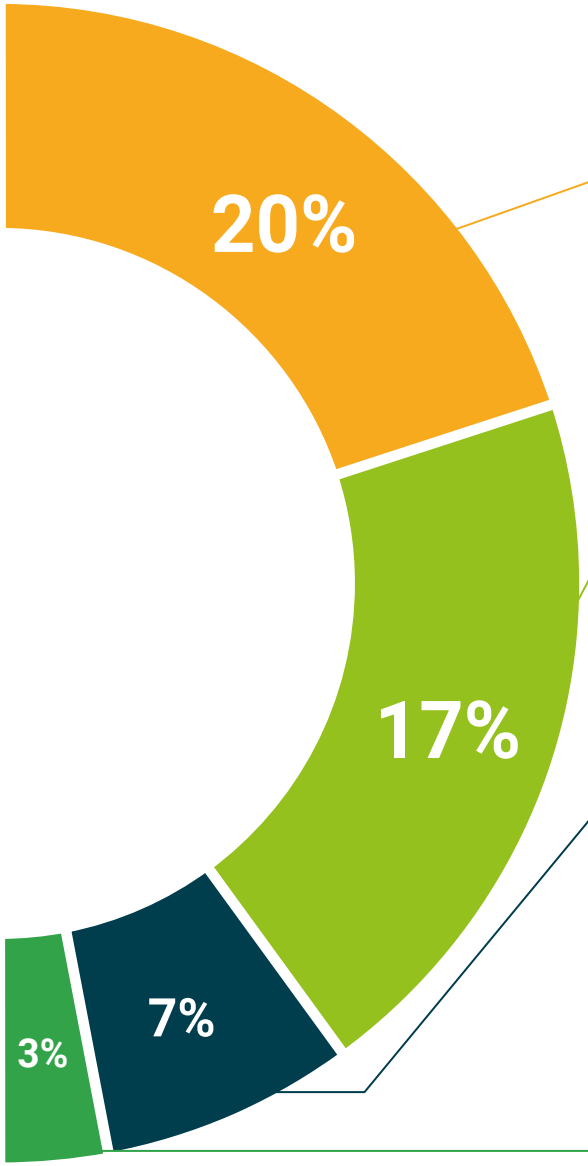
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This unique multimedia content presentation training system 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, we will present you with real case developments in which the expert will guide you through 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 rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.

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

This **Postgraduate Diploma in Pediatric Nutrition** contains the most complete and up-to-date scientific 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 Pediatric Nutrition**

Official Nº of Hours: **400 h.**


tech technological university

Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE DIPLOMA

in

Pediatric Nutrition

This is a qualification awarded by this University, equivalent to 400 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro

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 EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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