Postgraduate Certificate

Artificial Nutrition in Pediatrics for Nursing

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Postgraduate Certificate
Artificial Nutrition in Pediatrics for Nursing

- Modality: **online**
- Duration: **6 weeks**
- Certificate: **TECH Global University**
- Accreditation: **5 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Website: **www.techtitute.com/us/nursing/postgraduate-certificate/artificial-nutrition-pediatrics-nursing**

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01

Introduction

In pediatric pathology, nutrition plays a role both as an etiological factor and as a complication of other diseases.

Specialize in Artificial Nutrition in Pediatrics with this training that delves into the study of nutrition and diet in the genesis, treatment, and support of numerous pediatric pathologies.

Enhance your knowledge through this program, where you will find the best educational material, including real clinical cases. Learn about the latest advancements in the specialty to practice high-quality nursing care"

With this training, you will have the opportunity to take part in an educational program that encompasses the most advanced and in-depth knowledge on the subject. A team of instructors with high scientific rigor and extensive international experience will provide you with the most comprehensive and up-to-date information on the latest advances and techniques in Artificial Nutrition in Pediatrics for Nursing.

This program offers the student the possibility of deepening and updating knowledge, using the latest educational technology. It offers a global vision of artificial nutrition and child malnutrition while focusing on the most important and innovative aspects of pediatric nutrition and dietetics.

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

- Artificial Nutrition at Home
- Nutritional Supplements
- Probiotics and Prebiotics in Pediatric Nutrition

As it is an online program, the student is not constrained by fixed schedules or the need to move to another physical location, but rather, they can access the contents at any time of the day, allowing them to balance their professional or personal life with their academic life as they please.

This **Postgraduate Certificate in Artificial Nutrition in Pediatrics for Nursing** contains the most complete and up-to-date scientific program on the market. The most important features include:

- Development of clinical cases presented by nutrition experts. The graphic, schematic, and highly practical content they are designed with provides scientific and healthcare information on the nursing disciplines essential for professional practice
- The latest diagnostic and therapeutic information on how to approach pediatric artificial nutrition
- An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- With a special focus on evidence-based Nursing and research methodologies in clinical nutrition
- All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an internet connection

Update your knowledge through the Postgraduate Certificate in Artificial Nutrition in Pediatrics, in a practical way and adapted to your needs”

This Postgraduate Certificate may be the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge in Artificial Nutrition in Pediatrics, you will obtain a diploma from TECH Global University, the world's largest online university"

This Postgraduate Certificate offers specialization in simulated environments, which provides an immersive learning experience designed to prepare you for real-life situations.

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

Forming part of the teaching staff is a group of professionals in the world of clinical nutrition, who bring to this course their work experience, as well as a group of renowned specialists, recognised by esteemed scientific communities.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to prepare for real situations.

Problem-Based Learning underpins this program design, and the educator must use it to try and solve the different professional practice situations that arise throughout the Postgraduate Certificate 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

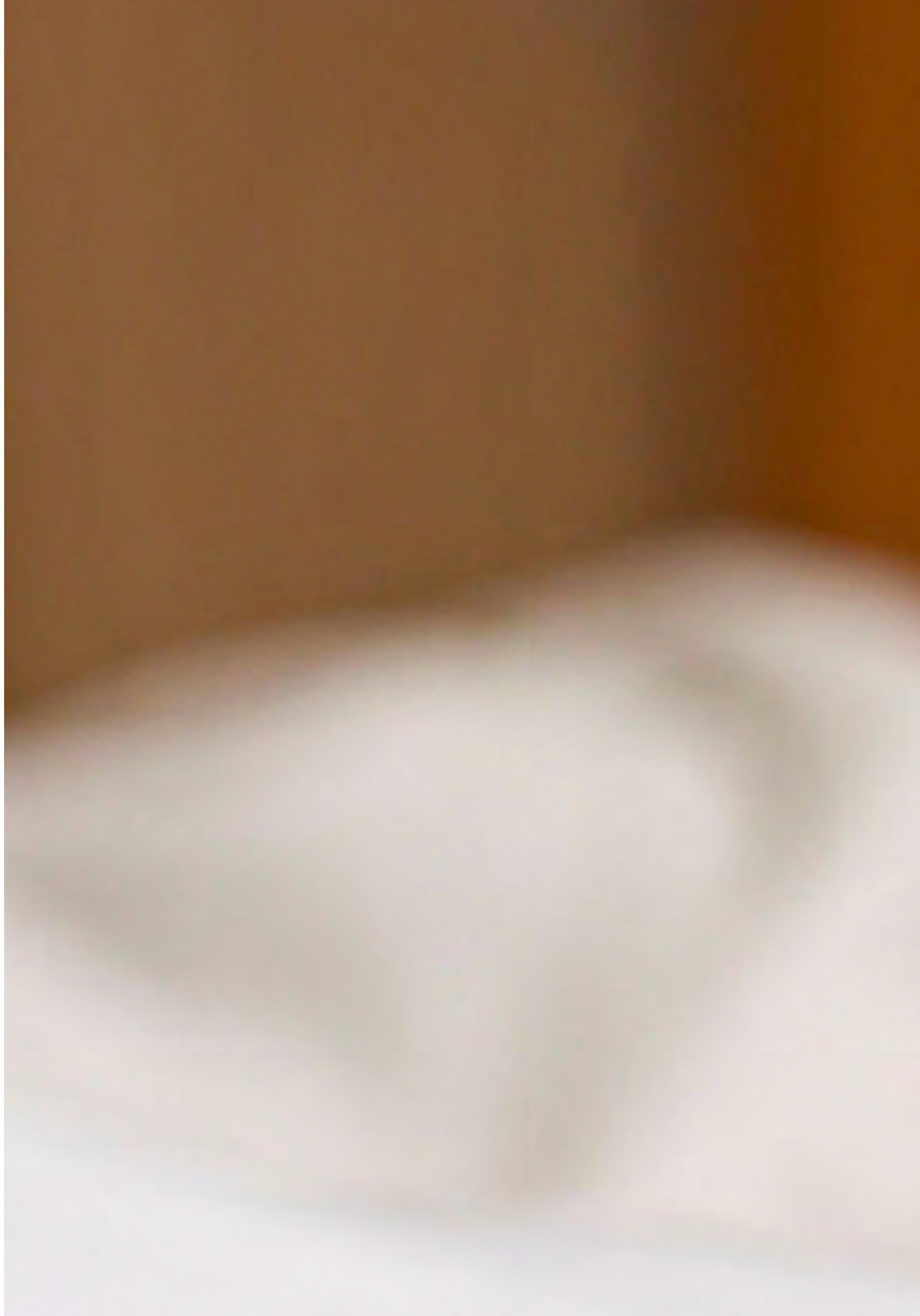
The main objective of the program is to develop theoretical and practical learning, enabling the nursing professional to master Artificial Nutrition in Pediatrics in a practical and rigorous manner.

This updating program will instill a sense of confidence in the practice of nursing, helping you grow both personally and professionally"

General Objectives

- Update the pediatric professional's knowledge on new trends in human nutrition, both in health and pathological situations, through evidence-based Nursing
- Promote work strategies based on the practical knowledge of new trends in nutrition and their application to pediatric pathologies, where nutrition plays a fundamental role in their therapeutic management
- Support the development of technical skills and competencies through a robust audiovisual system and the opportunity to train via online simulation workshops and/or specialized training
- Encourage professional stimulation through continuing education and research
- Equip professionals with the skills needed to conduct research in pediatric patients with nutritional disorders

Take advantage of the opportunity and take the step to update yourself on the latest developments in Artificial Nutrition in Pediatrics for Nursing"



Specific Objectives

- 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

03

Course Management

This program includes highly regarded health professionals from the field of clinical nutrition in its teaching staff, who bring the experience of their work to this training.

In addition, renowned specialists, members of prestigious national and international scientific communities, are involved in designing and preparing the program.

Learn the latest advances in Artificial Nutrition in Pediatrics from leading professionals"

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 Directorate** 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 program of work on **Food, Nutrition and Education** in India, led by Cambridge University 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, his leadership skills have been demonstrated 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 personnel worldwide. In this regard, he has shared his scientific findings in numerous lectures and conferences, in which he has participated in different countries.

Dr. Ray, Sumantra

- Executive Director and Founder at NNEdPro Global Nutrition and Health Center, Cambridge, UK
- Director of Research in Food Security, Health and Society at the Faculty of Humanities and Social Sciences, Cambridge University
- Co-Founder and President of the BMJ Scientific Journal Nutrition, Prevention and Health
- Presidential Advisor to the School of Advanced Studies in Food and Nutrition from the University of Parma
- Vice President of the Conference of Medical Academic Representatives of the BMA
- Consultant on special assignment to 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

Dr. Aunión Lavarías, María Eugenia

- Pharmacist Clinical Nutrition Expert
- Author of the reference book in the field of Clinical Nutrition, Gestión Dietética del Sobrepeso en la Oficina de Farmacia (Editorial Médica Panamericana).
- Pharmacist with extensive experience in the public and private sector.
- Head Pharmacist
- Assistant Pharmacist. Pharmacy Chain. British Health and Beauty Retailers Boots UK. Oxford Street Central London
- Bachelor 's Degree in Food Science and Technology. University of Valencia
- Direction of the Dermocosmetic University Course. Pharmacy Office

04

Structure and Content

The structure of the content has been designed by a team of professionals who are knowledgeable about the implications of training in the daily practice of pediatricians in nutrition, aware of the importance of up-to-date knowledge to effectively care for pediatric patients through high-quality teaching using new educational technologies.

This Postgraduate Certificate in Artificial Nutrition in Pediatrics contains the most complete and up-to-date scientific program on the market"

Module 1. Artificial Nutrition in Pediatrics

1.1. Concept of Nutritional Therapy
  1.1.1. Evaluation of Patients in Need of Nutritional Support
  1.1.2. Indications
1.2. General Information about Enteral and Parenteral Nutrition
1.3. Dietary Products Used for Sick Children or Children with Special Needs
1.4. Implementing and Monitoring Patients with Nutritional Support
  1.4.1. Critical Patients
  1.4.2. Patients with Neurological Pathologies
1.5. Artificial Nutrition at Home
1.6. Nutritional Supplements to Support the Conventional Diet
1.7. Probiotics and Prebiotics in Pediatric Nutrition

A unique, essential, and decisive learning experience to enhance 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.

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.

"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.

> *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.

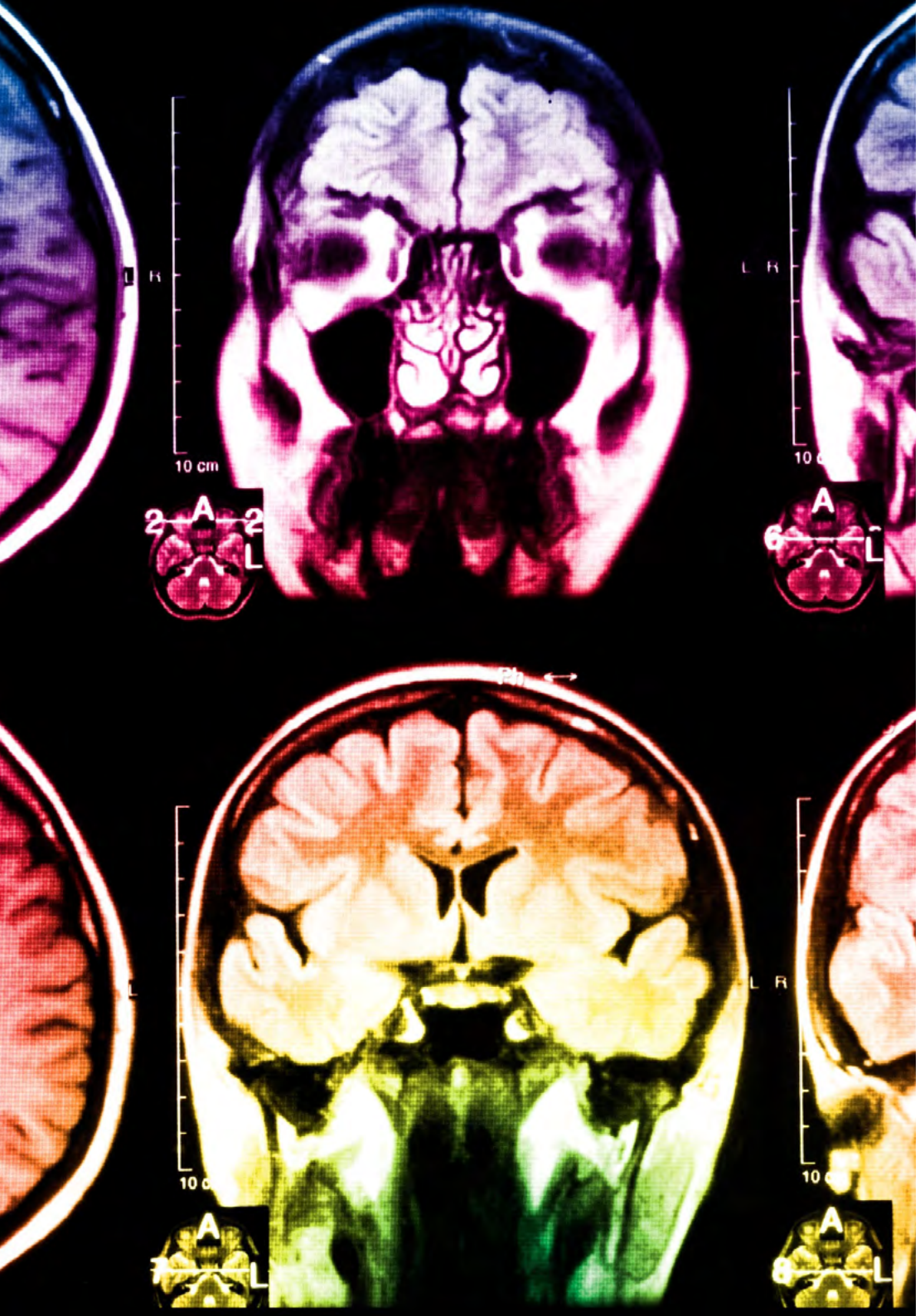
In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

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 teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, 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.

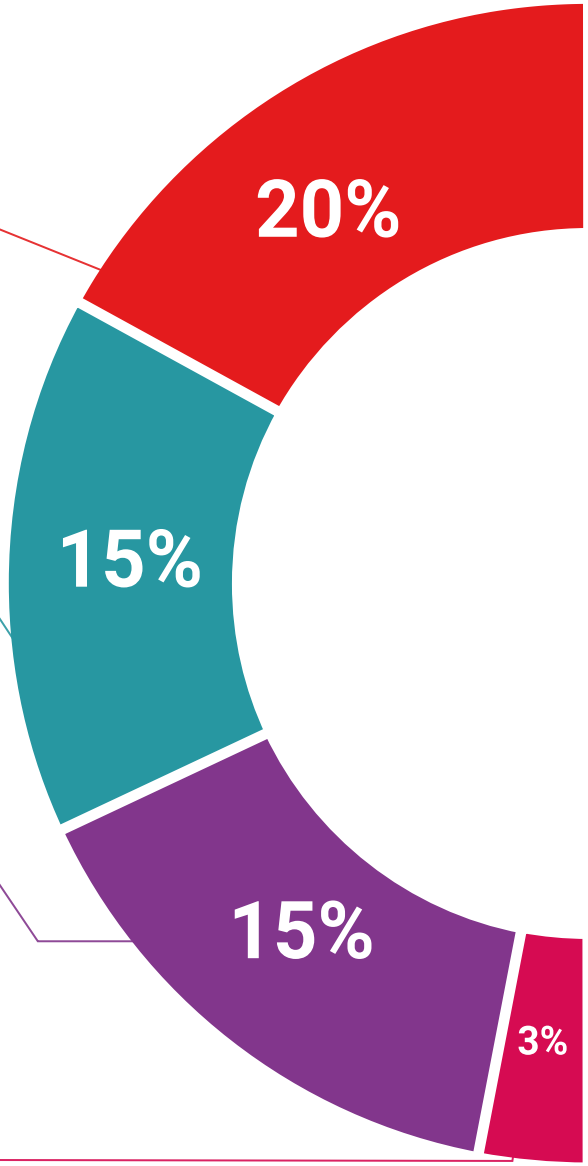
Interactive Summaries

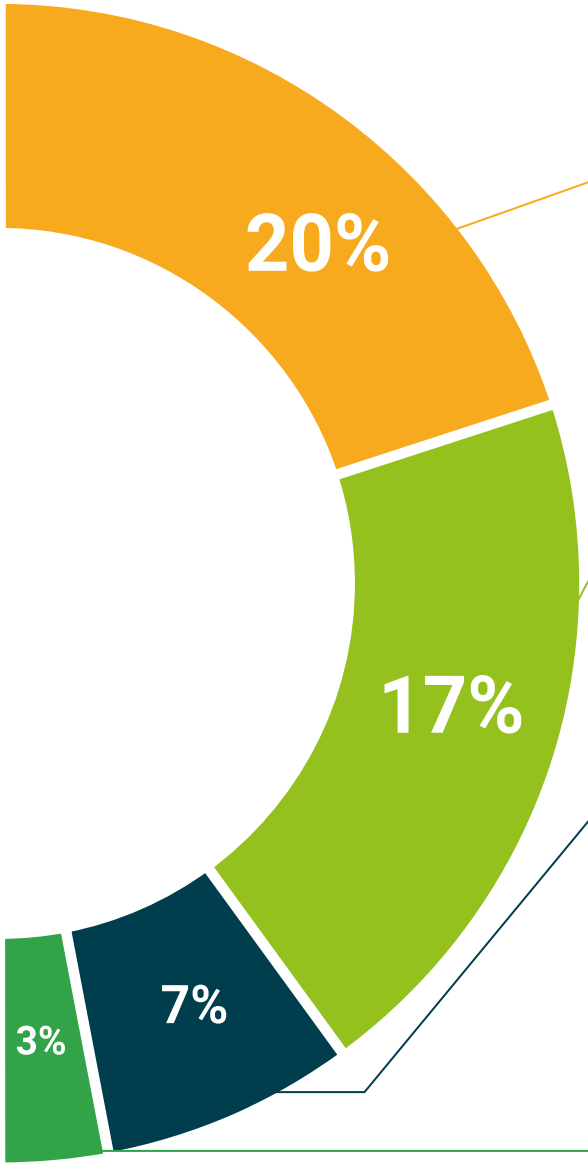
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

This Postgraduate Certificate in Artificial Nutrition in Pediatrics for Nursing guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the Postgraduate Certificate issued by TECH Global University.

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 diploma for the **Postgraduate Certificate in Artificial Nutrition in Pediatrics for Nursing** 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 Certificate in Artificial Nutrition in Pediatrics for Nursing**

Modality: **online**

Duration: **6 weeks**

Accreditation: **5 ECTS**

tech global university

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

Postgraduate Certificate in Artificial Nutrition in Pediatrics for Nursing

This is a private qualification of 150 hours of duration equivalent to 5 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.

future
confidence
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learning
community
commitment
personalized service
innovation
knowledge
present
quality
online training
languages
virtual classroom

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