

Internship Program
Pediatric Clinical
Nutrition for Nursing



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01 Introduction

Today, it is imperative that nurses know how to apply, assess and monitor the latest trends in Pediatric Clinical Nutrition. Through the most innovative strategies and increased qualification for their use, professionals in the field can prevent disorders and other health complications related to specific feeding disorders. With the need for this urgent update, TECH has created a 100% practical and on-site program in which students will be able to expand their skills in a direct way, providing excellent care to real children and adolescents. Therefore, the participants of this program will have at their disposal an immersive internship of 3 weeks, in a renowned hospital. They will be able to use state-of-the-art technologies and expand their skills immediately.

“

Enroll in this program and TECH will make you an excellently qualified nurse to check the correct performance of enteral and parenteral nutrition in hospitalized children”





Advances in Pediatric Clinical Nutrition have made it possible to solve feeding problems that were previously neglected or underestimated, such as complications arising from the bidirectional interaction between drugs and nutrients. Also, food allergies, obesity and childhood diabetes, among others, are now better prevented. In addition, new techniques and specific diets have been developed. For a nurse, keeping up-to-date in this field is crucial. In this way, they will be able to provide these patients with the most advanced care. However, most educational programs address all of these topics with a traditional theory-based approach.

In this context, TECH stands out from its competitors and offers a practical and on-site program in Pediatric Clinical Nutrition for Nursing Through it, students will have access to state-of-the-art technological resources and will be able to apply increasingly innovative supervision methods. In addition, from the first day, they will work directly with real patients, therefore facilitating the development of the most demanded skills in their professional framework.

On the other hand, this Internship Program will allow participants to interact directly with great experts in Pediatric Clinical Nutrition, which will provide them with extensive experience in this field. The nurse will be supervised at all times by an assistant tutor, who will ensure the progressive insertion in different dynamics of clinical work. In addition, this program will run from Monday to Friday, completing 120 educational hours in total. At the end, graduates will be ready to practice health care procedures in this area with the strongest support in the latest scientific evidence.

02

Why Study an Internship Program?

Nowadays, Pediatric Clinical Nutrition is crucial to prevent serious health pathologies and specific eating disorders. Keeping up-to-date in this field can be difficult for nurses, especially with educational programs focused on theory. That is why TECH offers an Internship Program, on-site, to acquire a complete mastery of the latest advances in the field. Participants will have at their disposal a 3-week hospital stay in a prestigious institution, equipped to provide each nursing professional with an immersive and holistic didactic process.



Thanks to this qualification, you will be linked to a hospital institution, renowned in the area of Pediatric Clinical Nutrition for Nursing and you will develop your practical update with excellence"

1. Updating from the latest technology available

This study program will help the nurse to be up-to-date on the latest tools for the verification of parameters related to the nutritional needs of children and adolescents. In addition, they will learn to assess how the benefits of specific treatments, based on Genomic Nutrition, Nutrigenetics and Immunonutrition, are represented in these patients.

2. Gaining In-Depth Knowledge from the Experience of Top Specialists

With this Internship Program, the nurse will have the personalized guidance of an assistant tutor and experts with extensive experience in the field of Pediatric Clinical Nutrition. From this advice, they will acquire up-to-date competencies, compatible with the use of new monitoring and assessment techniques and equipment that they will incorporate into their daily practice in just 3 weeks.

3. Entering First-Class Clinical Environments

TECH has the premise of making available to nursing professionals the most renowned hospitals in the field of Pediatric Clinical Nutrition. To this end, it has carefully analyzed all the internship options available to them. In this way, each student will have access to demanding and competitive experts who will transmit their experiences and teach them how to manage the most advanced technology of the moment.



4. Putting the acquired knowledge into daily practice from the very first moment

From the first day of this Internship Program, the nurse will participate in the assessment and monitoring of real pediatric patients with clinical eating disorders. This innovative learning model promotes a 100% on-site, intensive and immersive teaching, focused on enabling each student to acquire in a dynamic way the most up-to-date competencies in this area of care.

5. Expanding the Boundaries of Knowledge

TECH is the largest educational institution in the online environment and, therefore, has an important number of agreements and collaborations with study centers and hospitals around the world. These contacts facilitate the access of its students to international institutions, where they will be received to expand their horizons and practical skills.



You will have full practical immersion at the center of your choice"

03 Objectives

This Internship Program will allow nurses to be up-to-date with the latest assessment and treatment procedures in the area of Pediatric Clinical Nutrition. Through a 100% practical and on-site learning method, graduates will be able to develop skills in an intensive on-site internship in a prestigious hospital institution.



General Objectives

- Update the pediatrician's knowledge on new trends in child 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 child pathologies, where nutrition plays a fundamental role in treatment
- Develop technical skills and abilities, through a powerful audiovisual system, and the possibility of development through online simulation workshops and/or specific training



Thanks to this program, you will be joining a hospital institution, renowned in the area of Pediatric Clinical Nutrition for Nursing and you will develop your practical update with excellence"





Specific Objectives

- ♦ Review the basics of a balanced diet in the different stages of the life cycle, as well as in exercise
- ♦ Assess and calculate nutritional requirements in health and disease 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
- ♦ Explain the proper reading of new food labeling
- ♦ Update the drug-nutrient interaction and its implication in the patient's treatment
- ♦ Identify the relationship between nutrition and immune status
- ♦ Define the fundamental of Nutrigenetics and Nutrigenomics
- ♦ Incorporate phytotherapy as a coadjuvant treatment in clinical practice
- ♦ Review the psychological bases and biopsychosocial factors that affect human eating behavior
- ♦ Analyze the different methods for assessing nutritional status
- ♦ Interpret and integrate anthropometric, clinical, biochemical, hematological, immunological and pharmacological data in the nutritional assessment of the patient and in their dietary-nutritional treatment
- ♦ Predict patients' nutritional risk
- ♦ Manage the different types of nutritional surveys to assess food intake
- ♦ Early detection and evaluation of quantitative and qualitative deviations from the nutritional balance due to excess or deficiency
- ♦ Identify and classify foods, food products, and food ingredients
- ♦ Review the chemical composition of foods, their physicochemical properties, their nutritional value, their bioavailability, their organoleptic properties, and the changes they undergo as a result of technological and culinary processes
- ♦ Describe the composition and utilities of new foods
- ♦ Explain basic aspects of food microbiology, parasitology, and toxicology related to food safety
- ♦ Evaluate and maintain adequate hygiene and food safety practices, applying current legislation
- ♦ Reflect on the usefulness of the school cafeteria as an educational vehicle
- ♦ Explain the relationship of physiology and nutrition in the different stages of infant development
- ♦ Analyze the implications of nutrition in the growth process and in the prevention and treatment of different childhood pathologies
- ♦ Identify the repercussion that a pregnant and lactating mother's nutrition has on the intrauterine growth and evolution of new-borns and infants
- ♦ Describe the nutritional requirements in the different periods of childhood
- ♦ Perform nutritional assessment in pediatrics
- ♦ Evaluate and prescribe physical activity as a factor involved in nutritional status
- ♦ Calculate child and adolescent athlete dietary needs and risks
- ♦ Review current trends in premature infant nutrition
- ♦ Explain current trends in the nutrition of infants with delayed intrauterine growth and the implication of nutrition on metabolic diseases

- ♦ Reflect on the role of human milk as a functional food
- ♦ Analyze the operation of milk banks
- ♦ Describe new formulae used in infant feeding
- ♦ Reflect on new trends and models in infant feeding
- ♦ Reflect and identify risk factors in school and adolescent nutrition
- ♦ Incorporate the different techniques and products of basic and advanced nutritional support related to pediatric nutrition into clinical practice
- ♦ Identify children at nutritional risk who are eligible for specific support
- ♦ Evaluate and monitor the supervision of children on nutritional support
- ♦ Explain the new developments and available evidence on probiotics and prebiotics in infant feeding
- ♦ 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
- ♦ 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
- ♦ Identify eating behavior disorders



- ♦ Review the pathogenesis and update the treatment of inborn errors of metabolism
- ♦ Explain the treatment of dyslipidemias and the role that nutrition plays in their genesis and treatment
- ♦ Manage diabetic children's diet
- ♦ Assess the nutritional support of children with cancer in different situations
- ♦ Reflect on the role of nutrition in autistic children
- ♦ Review the rationale for dietary support of acute diarrhea
- ♦ Describe the management of nutritional support in inflammatory diseases
- ♦ Reflect on the relationship between constipation and infant nutrition
- ♦ Identify exclusion foods in the diets of children with celiac disease
- ♦ Define the dietary management of children with nephropathy
- ♦ Explain the latest evidence on food allergies and intolerances
- ♦ Identify dietary factors related to bone metabolism
- ♦ Review the dietary management of oral cavity pathologies in children
- ♦ Explain managing children with gastroesophageal reflux
- ♦ Explain the implications that nutrition can have in the treatment of liver diseases
- ♦ Describe the main malabsorption syndromes and how they are treated
- ♦ Identify the appropriate nutritional therapy for pediatric patients with chronic pulmonary pathology



This qualification offers an immersive and intensive learning system that, after a 3-week internship, will allow you to apply the most up-to-date nursing praxis in Pediatric Clinical Nutrition”

04 Educational Plan

This Internship Program is different from other educational programs because of its connection with internationally renowned hospital centers. During 3 weeks, from Monday to Friday and 8-hour consecutive shifts, the nurse will join a team of experts in the field to work together and learn from the most demanding professional dynamics of this field. This 100% practical academic modality allows a faster and more flexible assimilation of the current protocols for the care of child and adolescent patients with eating disorders, as well as access to state-of-the-art technologies.

In this completely practical Internship Program, the activities are aimed at developing and perfecting the skills necessary to provide health care in areas and conditions that require highly qualified professionals, and are oriented towards specific expertise for practicing the activity, in a safe environment for the patient and with highly professional performance.

The student will actively participate by performing activities and procedures related to each area of competence (learning to learn and learning to do), with the support and guidance of the teachers and other classmates to facilitate teamwork and multidisciplinary integration as transversal competencies for the practice of Nursing (learning to be and learning to relate to others).

The procedures described below will form the basis of the practical part of the training, and their implementation is subject to both the suitability of the patients and the availability of the center and its workload, with the proposed activities being as follows:





Module	Practical Activity
Trends in Nursing for Pediatric Clinical Nutrition	Periodically examine the basis of physiologic regulation of feeding, appetite and satiety in the child and adolescent
	Monitor outcomes in the child and/or adolescent patient following the incorporation of transgenic foods
	Assess the incidence of immunonutrition strategies in the management of pediatric patients with nutritional deficiencies
Nutritional Treatment in Pediatric Gastroenterology Provided by Nurses	Verify the correct, dosed and gradual introduction of allergenic foods in the diet of children and adolescents with intolerances
	Supervise the patient's intake of food substitutes in their diets
	Verify the status of esophagogastric alterations in children and adolescents and report them
	Monitor low intake of fermentable oligosaccharides, disaccharides, monosaccharides and polyols (FODMAP diets) in child patients with irritable colon, intestinal transit problems, abdominal bloating and flatulence
Relationship of Endocrine Pathology and Diets for Nursing	Detect the etiology, repercussions and treatment best suited to patients with childhood obesity
	Recommend or advise physicians against the use of glucose-controlling medications or insulin injections, depending on the monitoring of the child's or adolescent's condition
	Participate with physicians in dynamic studies of the child's swallowing or endoscopic evaluation of different pathologies
Pediatric Hospital Nutrition for Nursing	Anticipate and report complications of bidirectional drug-nutrient interactions in pediatric patients under Hospital Nutrition
	Periodically check that the enteral (tube feeding) or parenteral (directly into the bloodstream) nutrition is being performed correctly
	Assess the child's or adolescent's response to the prescription and use of the DASH Diet as a treatment for cardiovascular disease
	Monitor the nutritional support of the child or adolescent with oncologic pathologies in the different phases of the disease

05 Where Can I Do the Internship Program?

During this Internship Program, nurses will spend an intensive on-site stay in a renowned hospital institution. Accompanied by a team of prestigious experts, participants will be able to master their healthcare competencies in an enriching learning environment, equipped with the most advanced technological resources. Therefore, they will provide state-of-the-art care to pediatric patients, with different nutritional requirements, who demand the most competent nursing professionals.



Do not miss this qualification and enroll in this program that TECH offers you to expand your practical skills in Nursing”





The student will be able to do this program at the following centers:



Nursing

Centro Médico Villanueva de la Cañada

Country City
Spain Madrid

Address: C. Arquitecto Juan de Herrera, 2,
28691 Villanueva de la Cañada, Madrid

Medical center with services in the main clinical specialties
and diagnostic tests

Related internship programs:

- Clinical Nutrition in Pediatrics
- Primary Care Clinical Ultrasound



Nursing

Hospital HM Regla

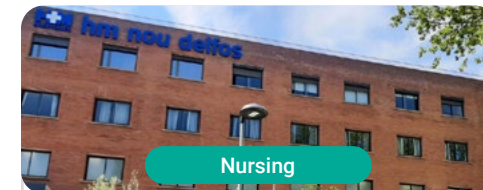
Country City
Spain León

Address: Calle Cardenal Landázuri, 2,
24003, León

Network of private clinics, hospitals and specialized centers
distributed throughout Spain.

Related internship programs:

- Update on Psychiatric Treatment in Minor Patients



Nursing

Hospital HM Nou Delfos

Country City
Spain Barcelona

Address: Avinguda de Valcarca, 151,
08023 Barcelona

Network of private clinics, hospitals and specialized centers
distributed throughout Spain.

Related internship programs:

- Aesthetic Medicine
- Clinical Nutrition in Medicine



Hospital HM Nuevo Belén

Country: Spain
City: Madrid

Address: Calle José Silva, 7, 28043, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- General and Digestive System Surgery
- Clinical Nutrition in Medicine



Policlínico HM Distrito Telefónica

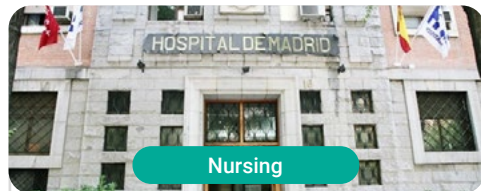
Country: Spain
City: Madrid

Address: Ronda de la Comunicación, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Optical Technologies and Clinical Optometry
- General and Digestive System Surgery



Policlínico HM Gabinete Velázquez

Country: Spain
City: Madrid

Address: C. de Jorge Juan, 19, 1º 28001, 28001, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Clinical Nutrition in Medicine
- Aesthetic Plastic Surgery





Nursing

Policlínico HM Las Tablas

Country City
Spain Madrid

Address: C. de la Sierra de Atapuerca, 5,
28050, Madrid

Network of private clinics, hospitals and specialized centers
distributed throughout Spain.

Related internship programs:

- Trauma Nursing
- Diagnosis in Physiotherapy



Nursing

Policlínico HM Moraleja

Country City
Spain Madrid

Address: P.º de Alcobendas, 10, 28109,
Alcobendas, Madrid

Network of private clinics, hospitals and specialized centers
distributed throughout Spain.

Related internship programs:

- Rehabilitation Medicine in Acquired Brain Injury Management



Nursing

Policlínico HM Sanchinarro

Country City
Spain Madrid

Address: Av. de Manoteras, 10,
28050, Madrid

Network of private clinics, hospitals and specialized centers
distributed throughout Spain.

Related internship programs:

- Gynecological Care for Midwives
- Nursing in the Digestive Tract Department

06

General Conditions

Civil Liability Insurance

This institution's main concern is to guarantee the safety of the trainees and other collaborating agents involved in the internship process at the company. Among the measures dedicated to achieve this is the response to any incident that may occur during the entire teaching-learning process.

To this end, this entity commits to purchasing a civil liability insurance policy to cover any eventuality that may arise during the course of the internship at the center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. That way professionals will not have to worry in case of having to face an unexpected situation and will be covered until the end of the internship program at the center.



General Conditions of the Internship Program

The general terms and conditions of the internship agreement for the program are as follows:

1. TUTOR: During the Internship Program, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor, whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.

2. DURATION: The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

3. ABSENCE: If the students does not show up on the start date of the Internship Program, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor.

4. CERTIFICATION: Professionals who pass the Internship Program will receive a certificate accrediting their stay at the center.

5. EMPLOYMENT RELATIONSHIP: The Internship Program shall not constitute an employment relationship of any kind.

6. PRIOR EDUCATION: Some centers may require a certificate of prior education for the Internship Program. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed.

7. DOES NOT INCLUDE: The Internship Program will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

07 Certificate

This **Internship Program in Pediatric Clinical Nutrition for Nursing** contains the most complete and up-to-date program in the professional and academic landscape.

After the student has passed the assessments, they will receive their corresponding Internship Program diploma issued by TECH Technological University via tracked delivery*.

The certificate issued by TECH will reflect the grade obtained in the test.

Title: **Internship Program in Pediatric Clinical Nutrition for Nursing**

Duration: **3 weeks**

Attendance: **Monday to Friday, shifts of 8 consecutive hours**

Total Hours: **120 h. of professional practice**



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