

Internship Program

Veterinary Nutrition



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01 Introduction

In spite of the new consumption patterns of people, food based on meat or protein products of animal origin remains at a high level, as well as the creation of emerging spaces for the breeding of different species, which makes it necessary to promote constant improvements and studies to generate a healthy animal population, generate higher reproduction figures and generate food inputs for the population. Therefore, Veterinary Nutrition plays a fundamental role in this life cycle and its study and training of professionals dedicated to the sector is relevant. Aware of its importance and the need of the labor market to have professionals up to date with the latest advances, TECH has created this Practical Training program where the student will learn in a company related to the veterinary sector, new concepts, resources, methods and y tools to apply the correct nutrition in animals. In a 3-week on-site stay, you will verify the importance of your knowledge and learn how to apply it in a formal way with the best experts.



By enrolling in this program you will be taking the leap your career needs towards an internship program in a center of national or international prestige for 3 weeks"





The TECH Internship Program in Veterinary Nutrition is a unique opportunity for the student to train in a new and demanded sector given the specificity of its functions. They will learn firsthand the operation of a veterinary center of reference, developing their skills with the best experts in the sector today.

Through this internship, the future professional will study in depth the main raw materials used in the formulation of balanced animal feed, their characteristics, inclusion levels and the quality parameters applied, since without quality control in the basic components of the feed there is no nutrition. In this way, it will establish the fundamental principles of a correct animal feed that is applied according to the species (from domestic animals such as dogs and cats to animals destined for protein production, such as poultry and pigs).

In summary, this Internship Program in Veterinary Nutrition is an ambitious, broad, structured and intertwined proposal that covers a complete knowledge of nutrients, proteins and additives that are taken into account in animal feeding processes, as well as the latest advances in veterinary nutrition and medical prevention of eating disorders and digestive pathologies, being the professional able to correctly determine their diagnosis and subsequent treatment.

02

Why Study an Internship Program?

The veterinary sector is increasingly demanding the preparation of professionals in the field of Veterinary Nutrition due to the importance of this process for the health of the population and its global repercussions on society. For this reason, keeping up to date with the needs of the labor market and the reality of the social economy, TECH has designed this exclusive, innovative and dynamic program that offers the specialist the possibility to update his knowledge in a specific prestigious center, carefully chosen to provide the best possible teaching service. Thanks to the resources available and the specialized technical team that will accompany them throughout his learning process, the student will be guaranteed a high level of learning and usefulness for immediate application. Therefore, their possibilities of growth and evolution will be immediately visible.



From a specialized center you will learn together with the most experienced experts all the news about Veterinary Nutrition, in 3 weeks and with the possibility of choosing between different options"

1. Updating from the latest technology available

Veterinary Nutrition is one of the areas that has advanced the in last 10 years. Now there are multiple options to generate a highly effective feeding process in animals, with guaranteed effects and properties that increase their performance and health. The students of these practical trainings will demonstrate them in the center chosen for their internships, where, together with experts in the field, they will be able to share experiences that will make up an excellent professional background.

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

For the development of this program of purely practical activity, TECH has chosen a specialized technical team that has allowed it to choose among the best national or international veterinary centers, the ideal scenario for the student to learn all the news about Veterinary Nutrition. In addition, TECH appoints a tutor who will accompany you throughout the process, facilitating and ensuring the development of the whole process.

3. Entering First-Class Clinical Environments

The selection of the centers is one of the most meticulous parts of the configuration process of this program. In order to provide the most effective and high academic level Internship Program, TECH joins the best centers in the animal health sector, to offer its students the most complete conditions for the most advanced learning.



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

From the first day you will be in charge of activities of your own role as an expert in Veterinary Nutrition, so that you can update your professional profile and get up to date with the most efficient new methods in the area. A 100% practical proven model, in which the student will strive for professional improvement throughout 3 weeks.

5. Expanding the Boundaries of Knowledge

With TECH, knowledge has no limits, the student will be able to learn the most effective methods of Veterinary Nutrition by taking this Internship Program not only in centers of national importance, but also internationally. In this way, they will expand their frontiers and will be updated with the best professionals. A unique opportunity that only TECH could offer.



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

03 Objectives

The Internship Program in Veterinary Nutrition aims to train trainees for their professional development in this sector, giving them the opportunity to learn first-hand the practical application of the theory, dealing with real cases together with the best experts. In this way, the professional acquires greater skills in a highly demanded field, in a center with great experience and the best medical equipment.



General Objectives

- ♦ Master the latest techniques, modern scientific postulates and application of cutting-edge technologies in Veterinary Nutrition
- ♦ Determine the latest trends in the use of technical resources that facilitate the analysis of the animal's conditions to establish new nutritional patterns and achieve nutritional improvement
- ♦ Learn the nutritional requirements of the main species destined to the production of animal protein
- ♦ Analyze how the complete animal feed manufacturing process is currently developed: phases and processes to which feeds are subjected in order to guarantee their nutritional composition, quality and safety





Specific Objectives

- ♦ Determine the properties, use and metabolic transformations of nutrients in relation to the nutritional needs of an animal
- ♦ Provide clear and practical tools so that the professional can identify and classify the different foods that are available in the region and have better elements of judgment to make the most appropriate decision in terms of differential costs, etc
- ♦ Propose a series of technical arguments which allow for a better quality of diet and nutrition and therefore, improve the end produce (meat or milk)
- ♦ Analyze the different raw material components with both positive and negative effects on Veterinary Nutrition and how animals use them for the production of animal protein
- ♦ Identify and understand the different levels of digestibility for each of the various nutritional components according to their origin
- ♦ To analyze the key aspects for the design and creation of diets (food) aimed at achieving the maximum utilization of nutrients by animals intended for animal protein production
- ♦ Provide specialized training on the nutritional requirements for the two main species of birds to be used in animal protein production
- ♦ Develop specialized understanding of the nutritional requirements of the porcine species and the different feeding strategies needed in order to guarantee that they reach the expected welfare and production standards according to their production stage
- ♦ Provide practical, theoretical and specialized knowledge on the physiology of canine and feline digestive systems
- ♦ Analyze the digestive system of ruminants and their particular way of assimilating nutrients from fiber-rich foods
- ♦ Analyze the main additive groups used in the food production industry, focused on ensuring the quality and performance of different food products
- ♦ Analyze how the complete animal feed manufacturing process is developed: the phases and processes which feed undergoes to guarantee its nutritional composition, quality and safety



You will learn in a world-class clinical environment at the cutting edge of medical equipment, alongside the best experts"

04 Educational Plan

The Internship of this program in Veterinary Nutrition consists of a 3 weeks practical stay in a specialized high level center, from Monday to Friday with 8 consecutive hours of practical training with an assistant specialist. This innovative study model will allow you to see real cases alongside a team leading professionals in the area of Veterinary, applying the most state-of-the-art procedures.

In this training proposal, completely practical in nature, the activities are aimed at the development and improvement of the skills necessary for the provision of veterinary care in areas and conditions that require a high level of qualification, and which are oriented to the specific training for the exercise of the activity, in a safe environment and high professional performance.

It is undoubtedly an opportunity to learn by working with the best teams of veterinarians in Veterinary Nutrition at the national level. All this makes this training the ideal teaching scenario for this innovative experience in the improvement of professional veterinary skills for the 21st century.

The practical education will be carried out with the active participation of the student performing the activities and procedures of each area of skills (learning to learn and learning to do), with the accompaniment and guidance of teachers and other fellow trainees who facilitate teamwork and multidisciplinary integration as transversal skills for of nursing clinical practice (learning to be and learning to relate).

The procedures described below will be 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 volume of work, the proposed activities being the following:



Receive specialized education in an institution that can offer you all these possibilities, with an innovative academic program and a human team that will help you develop your full potential"



Module	Practical Activity
Chemical Composition of Food and Quality of the Raw Materials for Ruminants and Non-Ruminants	Apply methods of assessing the nutritional value of foods, their fat energy and oils
	Perform analysis of protein and amino acid content of feed ingredients and their digestibility
	Verify the analysis of other nutrients of importance in Veterinary Nutrition: minerals and microminerals, vitamins, fiber and water
	Analyze raw materials used in ruminant and non-ruminant feed: fresh forages (green), preserved forages and energy and protein concentrates
	Evaluate different feeding possibilities for ruminants and non-ruminants
Digestibility, Ideal Protein and Advances in Veterinary Nutrition	Evaluate the metabolism of carbohydrates, lipids, proteins, vitamins and minerals and water
	Perform protein metabolism testing in poultry and swine
	Analyze nutrient and synthetic amino acids in veterinary nutrition
	Evaluate organic minerals in monogastric nutrition: macrominerals and microminerals
	Perform intestinal integrity and intestinal health analysis
Nutrition and feeding of swine, poultry, canines, felines and ruminants	Perform precise nutrition testing
	Formulate diets and supplements after testing feeding programs and nutritional requirements of growing pigs and finishing and fattening pigs, as well as gilts and lactating sows
	Formulate diets and supplements after testing feeding programs and nutritional requirements of broilers, pullets and layers
	Perform nutrition and eggshell quality examination
	Examine available pet foods and evaluate nutrition according to life stage
	Verify pathologies derived from nutrition and their treatment: obese patient, reduced weight patient, cardiac patient, renal patient, hepatic patient, or with gastrointestinal problems, skin diseases and diabetes mellitus.
Manufacturing of Balanced Foods: Processes, Quality Control and Critical Points	Examine the water. Verify requirements and factors that affect its consumption
	Analyze the formula for the elaboration, conservation and storage of feed, liquids and animal by-products
	Perform the examination of steps in the feed manufacturing process: weighing, milling, mixing, liquid addition, conditioning, pelleting, cooling, packaging and other processes
	Perform different types of tests that will help to determine the quality and nutritional consequences on the animal and critical control points
	Examine the additives used in animal feed, forms and types of feed, as well as all the processes and technologies applied to improve the quality of the final product to be obtained
Apply anticoccidials and antibiotic growth promoters	

05 Where Can I Do the Internship Program?

In its maxim of offering a unique experience to students in the development of their skills, TECH offers them the opportunity to put into practice the theoretical knowledge they have learned about Veterinary Nutrition in a specialized veterinary center. In this way, they specialize alongside the best veterinary nutritionists, propelling their career to the highest level of this veterinary field. Additionally, our institution adapts to the needs and preferences of the student, allowing them to choose the destination that best suits their needs.



Learn from the best veterinary nutritionists thanks to TECH. Bet on this Internship Program and boost your job opportunities"





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



Pharmacodynamics.

Vet Nutrition Center-Madrid

Country	City
Spain	Madrid

Address: Av. de Menéndez Pelayo, 23, Madrid

Center specialized in Animal Nutrition and Digestive and Metabolic Pathologies

Related internship programs:
-Veterinary Nutrition



Pharmacodynamics.

Centro Veterinario San Antón

Country	City
Spain	Madrid

Address: Avenida de la Libertad, 93. Local 14-16, 28770 Colmenar Viejo

Veterinary Center offering personalized attention to different animal species.

Related internship programs:
-Veterinary Anesthesiology
-Veterinary Cardiology in Small Animals



Pharmacodynamics.

Zoológico El Bosque

Country	City
Spain	Asturias

Address: Los Molinos, 19, 33195 San Esteban de las Cruces, Asturias

Zoo specialized in rescue and recovery of exotic species

Related internship programs:
-Animal Welfare
-Veterinary Nutrition



Happy Can Camp

Country	City
Mexico	Puebla

Address: Km 4.5 lateral Recya a Cholula Col.
Bella Horizonte Puebla C.P. 72170

Veterinary clinic and hotel

Related internship programs:

- Veterinary Radiology in Small Animals
- Veterinary Ophthalmology in Small Animals



Veterinaria Palo Verde

Country	City
Mexico	Mexico City

Address: Cerro del Otate 20, Romero
de Terreros, Coyoacán, 04310 Ciudad
de México, CDMX

Clinical Veterinary with more than 30 years of
experience in care of pets

Related internship programs:

- Internal Medicine in Small Animals
- Animal Welfare





Clínica Veterinaria Don Bosco

Country	City
Argentina	Buenos Aires

Address: Conquista de Desierto 662,
Ezeiza, Bs. As

Clinic of general and specific specialties of Veterinary
Medicine

Related internship programs:

- Veterinary Anesthesiology
- Veterinary Emergencies in Small Animals



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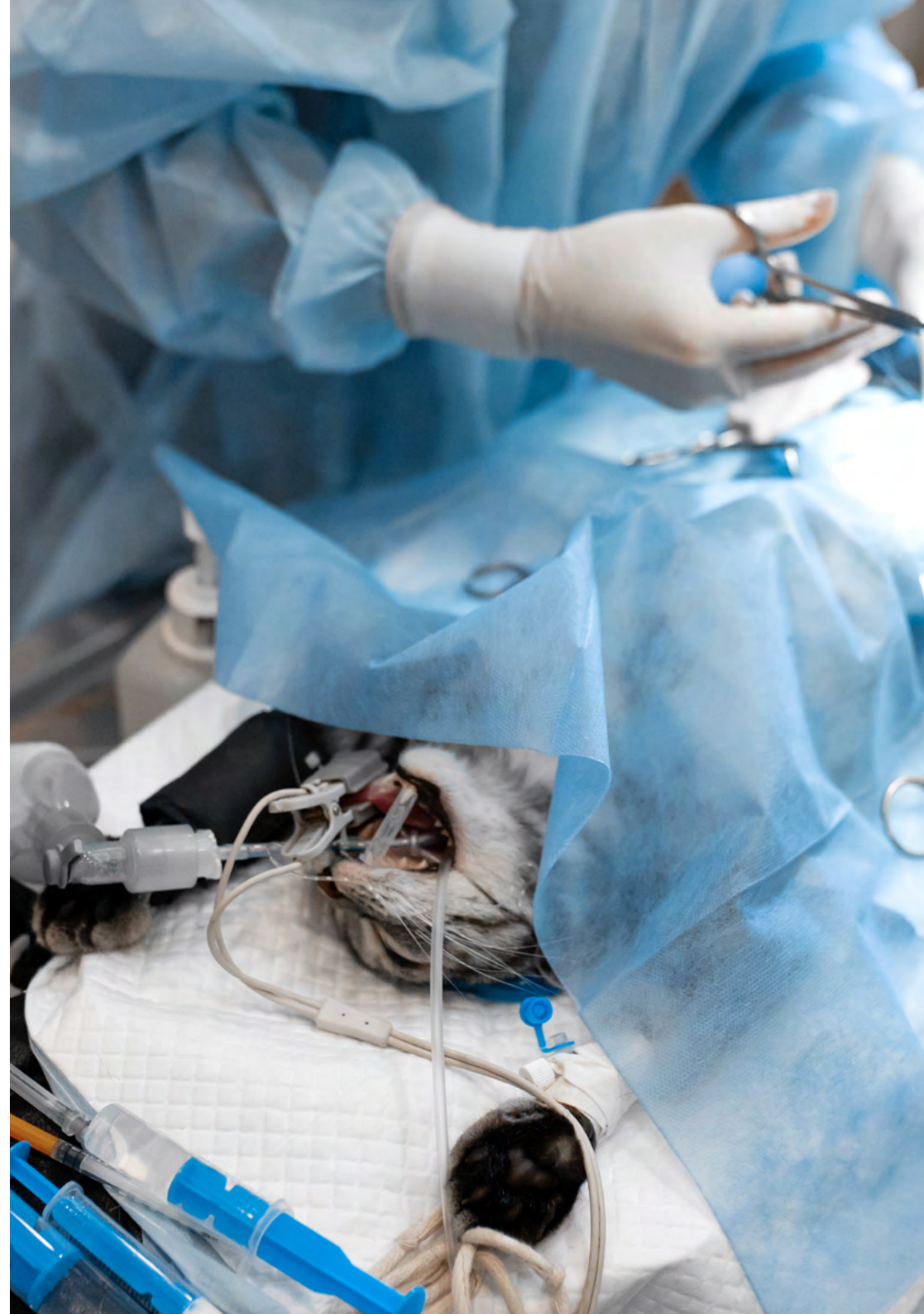
General Conditions

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 Internship Program 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 program agreement shall be 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 **Hybrid Professional Master's Degree in Veterinary Nutrition** contains the most complete and up-to-date program on the professional and educational field.

After the student has passed the assessments, they will receive their corresponding Hybrid Professional Master's Degree diploma issued by TECH Technological University via tracked delivery*.

In addition to the certificate, students will be able to obtain an academic transcript, as well as a certificate outlining the contents of the program. In order to do so, students should contact their academic advisor, who will provide them with all the necessary information.

Title: **Internship Program in Veterinary Nutrition**

Duration: **3 weeks**

Attendance: **from Monday to Friday, 8 consecutive hour shifts**

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



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