

Internship Program

Equine Medicine and Surgery



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Index

01

Introduction

p. 4

02

Why Study an
Internship Program?

p. 6

03

Objectives

p. 8

04

Educational Plan

p. 10

05

Where Can I Do the
Internship Program?

p. 12

06

General Conditions

p. 16

07

Certificate

p. 18

01 Introduction

The equine veterinary clinic encompasses numerous and complex specialties in continuous development that require a constant updating of skills by the clinician. It is a highly competitive professional sector that quickly incorporates new scientific advances into the outpatient clinic, so the veterinarian deals with a labor market that demands a very high level of competence in all aspects.



Join the veterinary elite with this high-level internship program and open new paths in your professional progress"





This innovative Internship Program in Equine Medicine and Surgery opens a new opportunity of distinction to veterinarians who wish to deepen their knowledge in advanced aspects of Equine Medicine and Surgery, enabling them to develop their activity based on professional excellence.

This internship program training meets all the needs of advanced education and has a carefully selected practical program, developed by internationally recognized professionals in both equine medicine and surgery. It is an exclusive product, as there are no other first class postgraduate training tools in its field, capable of offering qualified and extensively developed teaching.

Due to the great increase of equine owners in recent years, it is essential that the veterinarian specialized in equine medicine and surgery is constantly updating their knowledge and skills, in order to provide quality patient care, and to know and incorporate into daily practice the latest tools in the sector.

The prestigious teachers of this specialization will provide the professional with advanced knowledge, based on the experience of real situations, in the daily practice of this high-level training.

02

Why Study an Internship Program?

The specialized veterinary sector is increasingly demanding the preparation of professionals in Equine Medicine and Surgery due to the importance of this process for the health of this animal population and its global repercussions on society and activities such as sports and others where this animal is involved. For this reason, keeping up to date with the needs of the labor market, 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 their 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.



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

1. Updating from the latest technology available

Equine Medicine and Surgery is an exciting area of veterinary medicine that has been considered for certain advances for the improvement of diagnosis and treatment of diseases in horses. Now there are multiple options to generate a highly effective process, with guaranteed effects and properties that elevate their performance and state of health. The students of these internship programs will show them in the center chosen for their practices, where together with experts in the area 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 Equine Medicine and Surgery. Additionally, TECH appoints a tutor who will accompany them throughout the process, facilitating and ensuring the development of the entire 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 Equine Medicine and Surgery to 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 Equine Medicine and Surgery 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 Equine Medicine and Surgery is oriented to facilitate the performance of the veterinary professional with the latest advances and newest treatments in the sector. That is why it shows you the most complete and 100% practical content to be solved in the best specialized center next to important professionals.



General Objectives

- ♦ Master the latest techniques, modern scientific postulates and application of cutting-edge technologies in Equine Medicine and Surgery
- ♦ Incorporate the most effective methods, approaches and clinical analysis into daily work, endorsed by a team of prestigious experts in the Equine Medicine and Surgery area
- ♦ Learn the specific approach and common cases that occur in the clinical environment of Equine Surgery





Specific Objectives

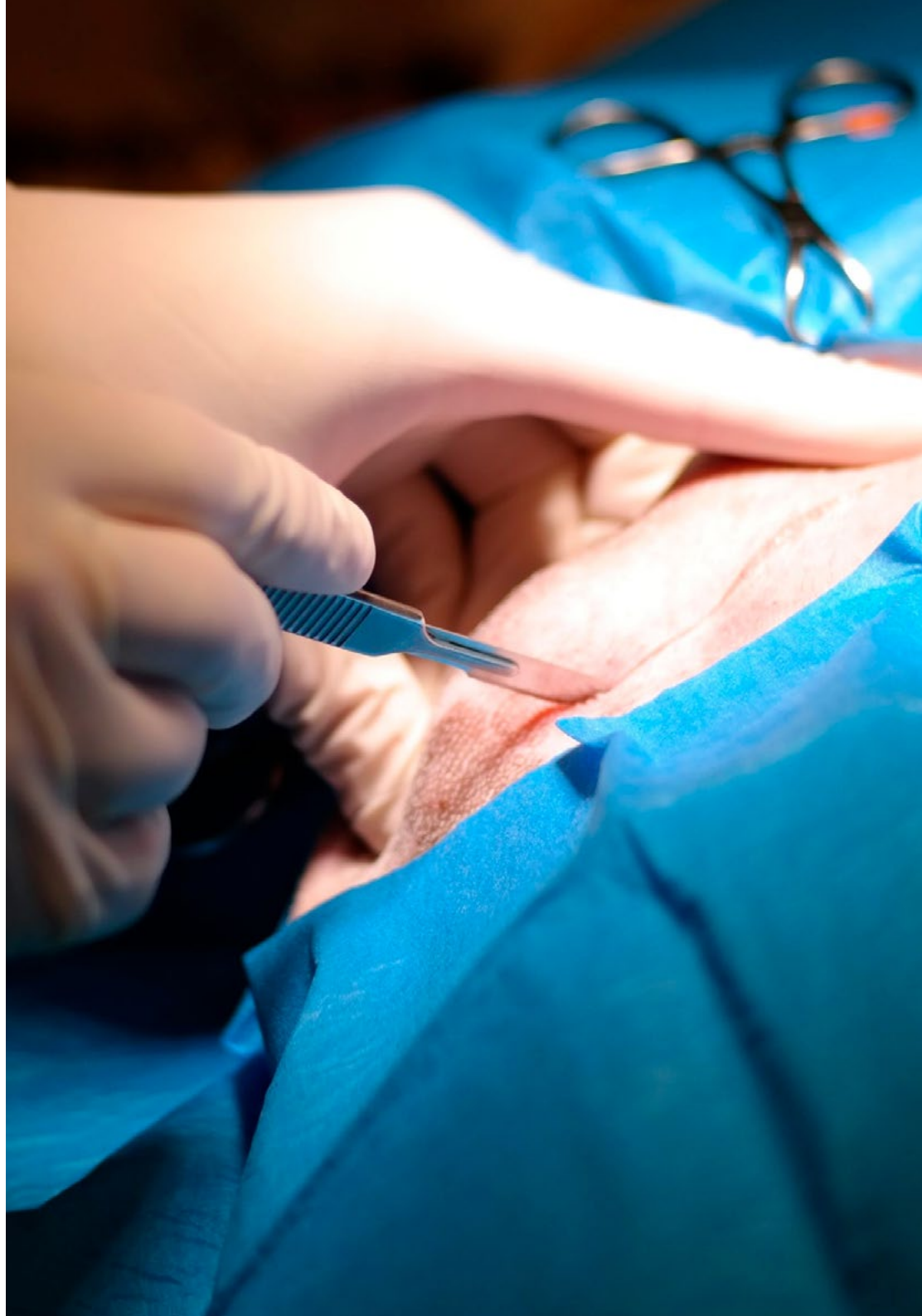
- ♦ Develop an innovative and up-to-date methodology for patients with immune-mediated disorders
- ♦ Assess the cachectic horse: history and nutritional status, possible differentials, knowledge of metabolic consequences and requirements for subsequent dietary adjustment
- ♦ Examine prebiotics, probiotics, as well as the use of medicinal plants in response to the high market demand that exists today in this field of medicine
- ♦ Take a deeper look into both medical and surgical treatments applicable in the field clinic
- ♦ Establish the specific clinical approach to each pathology and determine the most appropriate prognosis and treatment for each disease
- ♦ Identify the challenges and problems encountered by the veterinarian in the practice of equine clinical oncology
- ♦ Define the approach to the ataxic horse and establish protocols for action
- ♦ Expand the alternatives of possible treatments according to pathological situations
- ♦ Recognize the medical and surgical genital pathologies of the stallion and the dam mare, assess their extent and provide appropriate treatments for recovery and restoration of proper reproductive function
- ♦ Develop surgical techniques for the resolution of pathologies of the reproductive system that can be performed in the field
- ♦ Establish effective working protocols for the early detection of sick neonates. and their treatment
- ♦ Optimize the use of foal imaging in the field
- ♦ Identify and decipher the particular characteristics of the pathologies of the locomotor system that appear during the development and growth of the foal from birth until the end of its pediatric period
- ♦ Develop the main specific medical and surgical techniques for pathologies affecting foals in the field
- ♦ Develop sedation and ambulatory anesthesia procedures
- ♦ Determine the necessary tools for the assessment of the critically ill patient, providing the knowledge that enables the student to perform hospital treatments, such as advanced pain management, correction of hydro-electrolyte balance and acid-base balance, intensive care in the neonate and intensive care in the adult
- ♦ Delve into the fundamental medicinal and pharmacological considerations for high level sport horses
- ♦ Delve into equine toxicology
- ♦ Develop the application of euthanasia protocols

04 Educational Plan

The Internship in Equine Medicine and Surgery consists of a practical stay of 3 weeks in a veterinary center of reference in the field of equine medicine. This stay will allow you to see real cases alongside a professional team of reference in the veterinary area, applying the most innovative procedures of last generation.

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.

The practical education will be carried out with the active participation of the student performing the activities and procedures of each area of skill (learning to learn and learning to do), with the accompaniment and guidance of teachers and other fellow trainees that facilitate teamwork and multidisciplinary integration as transversal skills for the practice of and Equine Surgery Medicine (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:

Module	Practical Activity
Advanced diagnostic methods for diseases of the digestive system, musculoskeletal system, reproductive system, urinary system, cardio-respiratory system and vascular system	Explore acute abdominal syndrome and apply medical colic treatment in the field
	Take samples through endoscopy, radiology and ultrasound in the field
	Explore through high-tech equipment each of the physiological zones of the equine
	Analyze all malformations, tumors, pathological signs in the team through specific diagnostic methods in the digestive, locomotor, reproductive, urinary, cardio-respiratory and vascular apparatus
	Perform examinations of rare and common diseases in the digestive, locomotor, reproductive, urinary, cardio-respiratory and vascular apparatus
Therapeutic methods for diseases of the digestive system, locomotor system, reproductive system, urinary system, cardio-respiratory system and vascular system	Verify advanced treatments in critical ambulatory cases such as Tracheotomy
	Perform the examination of congenital and acquired structural cardiac alterations
	Act in case of rudimentary metacarpal/metatarsal fractures, dismotomies and neurectomies, through the practice of field orthopedic surgery
Advanced methods of evaluation of the urinary system, hematopoietic system, immunology and nutrition, nervous system and ophthalmology and endocrine system	Analyze pathologies of the urinary system, hematopoietic system, immunology and nutrition, nervous system and ophthalmology and endocrine system
	Apply field surgical procedures in the male and female
	Care of the Pregnant Mare and Attention to the Foaling Examination of Complications of Birth and Postpartum Care
	Interpret Analytical Tests: Blood Count and Serum Biochemistry
	Address Treatment of Hematopoietic Alterations Transfusion Therapy
	Perform Tests for Immune System Alterations Allergies
	Use of Probiotics, Prebiotics and Medicinal Plants
	Analysis of Bacterial, Fungal and Parasitic Infections of the Nervous System

Module	Practical Activity
Approach of surgical pathologies of the skin	Use tissue management techniques, hemostasis and suturing, wound exploration, repair of acute wounds, chronic and/or infected wounds, hoof wounds, and of tendon lacerations
	Apply advanced techniques for the management and repair of synovial wounds and joint lavage
	Participate in the Reconstructive Surgery and Skin Grafting Application of Bandages
	Perform Advanced Diagnostic Tests in Equine Dermatology
	Analyze Bacterial and Viral Skin Diseases, Fungal and Parasitic Skin Diseases, Allergic, Immune-mediated and Irritative Diseases of the Skin, Allergic, Congenital Diseases and Syndromes in Equine Dermatology
Foal Medicine and Surgery	Apply advanced treatments for skin neoplasms: electroporation and electrochemotherapy, immunotherapy, radiotherapy, dynamic phototherapy and cryotherapy
	Perform neonatal examination and examination of the immature foal Failure in the Passive Transfer of Immunity. Isoerythrolysis Septicemia
	Analyze Neonatal Respiratory, Cardiac, Neurological and Musculoskeletal Pathologies
	Examine Neonatal Gastrointestinal, Genitourinary and Endocrine Pathologies
	Identify and Stabilization of the Patient with Ruptured Bladder or Persistent Urachus
	Use the Diagnostic Imaging Method of the Thorax and Abdominal Cavity of the Foal
	intervene in the Treatment of Septic Arthritis Umbilical Herniorrhaphy, Treatment of Angular Deformities and Flexural Deformities
Diagnose Diseases in the Foal Treatment of Phytitis, Epiphysitis and Hoof Management Guidelines for Healthy Foals	
Advanced Therapeutic Protocols and Toxicology	Apply Treatment of Medical Colic in the Field
	Practice the Sedation and Total Intravenous Anesthesia
	Analyze the treatment of pain in Horses
	Correct the Hydro-Electrolytic Balance
	Practice intensive care in the neonatal and adult foal
	Perform various toxicology analysis, especially those that produce clinical signs related to the urinary system and toxicological problems that cause sudden death
	Intervene in the euthanasia procedure

05 Where Can I Do the Internship Program?

In its maxim of offering quality education to its students, TECH provides the opportunity to put into practice the theoretical knowledge learned throughout this training in a veterinary center of reference in equine medicine and surgery. In this way, the student specializes alongside the best in this sector, propelling their career to the highest level in this specialized veterinary field that is increasingly in demand.

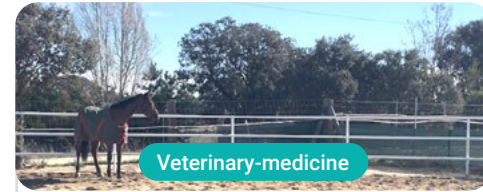


Opt for this Internship Program and boost your job opportunities in the field of equine medicine and surgery with the best veterinarians specialized in horse health"





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



Horsepital

Country	City
Spain	Madrid

Address: Finca la Comarca, Camino del Castillo Sin Número, 28692 Villanueva de la Cañada

Center specialized in equine care

Related internship programs:
- Equine Medicine and Surgery



AGAR Veterinarios equinos

Country	City
Spain	Asturias

Address: Barrio Belmonte, 33590 Boquerizo, Asturias

Equine Veterinary Services in Asturias and Cantabria

Related internship programs:
- Internal Medicine in Major Species
- Equine Medicine and Surgery



Veterinary-medicine

Aztekan Hospital Veterinario - Roma

Country	City
Mexico	Mexico City

Address: San Luis 152 Col Roma C.P CDMX

24-hour Veterinary Hospital

Related internship programs:

- Veterinary Emergencies in Small Animals
- Veterinary Cardiology in Small Animals



Veterinary-medicine

Aztekan Hospital Veterinario - Sur

Country	City
Mexico	Mexico City

Address: Circuito Estadio Azteca #298
Pedregal de Santa Ursula C.P 04600 CDMX

24-hour Veterinary Hospital

Related internship programs:

- Veterinary Emergencies in Small Animals
- Dermatology in Small Animals





Aztekan Hospital Veterinario - Nápoles

Country: Mexico City
City: Mexico City

Address: Nebraska 151 Colonia Nápoles C.P 03810 CDMX

24-hour Veterinary Hospital

Related internship programs:

- Equine Medicine and Surgery
- Veterinary Emergencies in Small Animals



Take advantage of this opportunity to surround yourself with expert professionals and benefit from their work methodology.”

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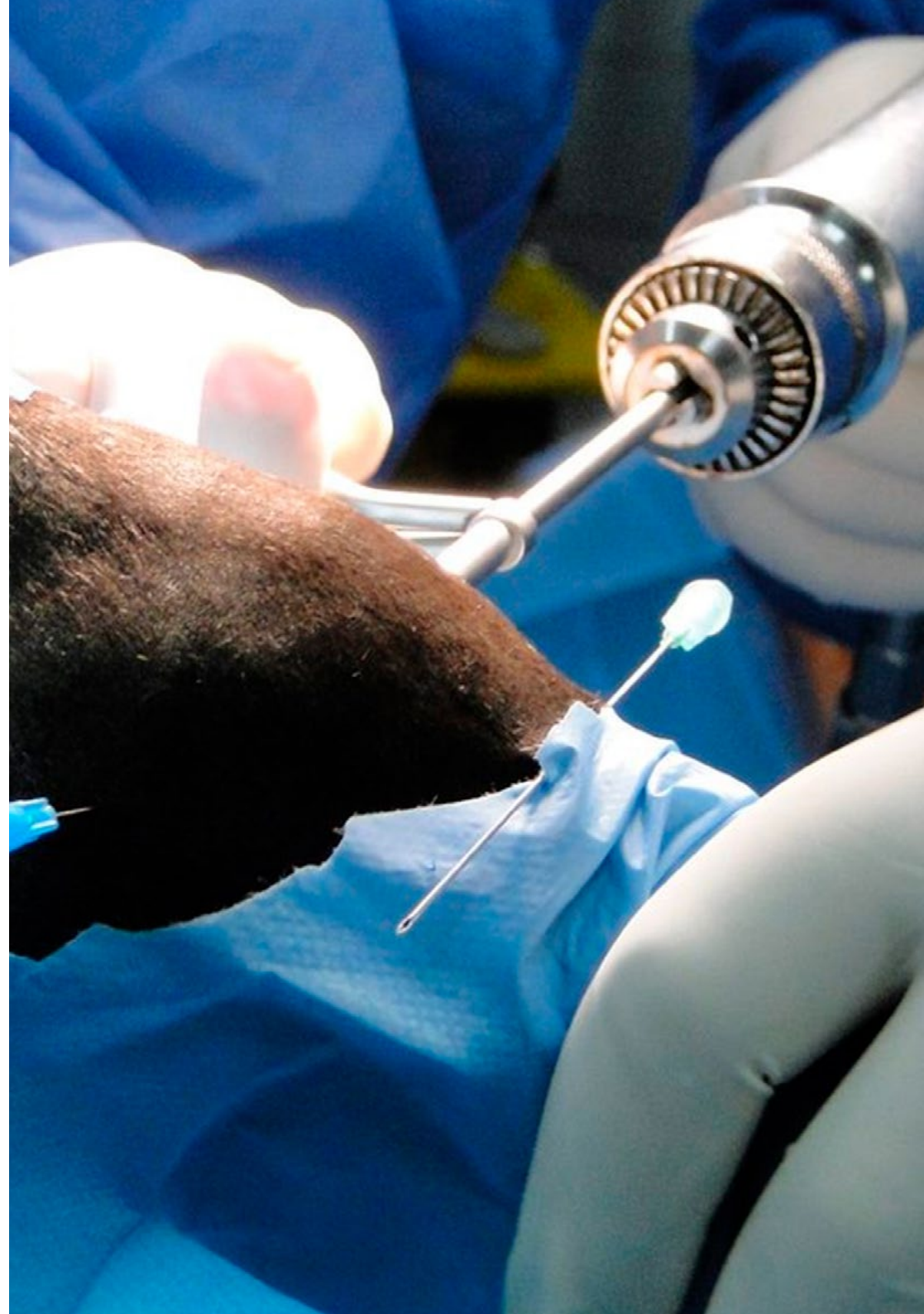
General Conditions

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 **Internship Program in Equine Medicine and Surgery** 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 diploma issued by TECH will reflect the grade obtained in the test.

Title: **Internship Program in Equine Medicine and Surgery**

Duration: **3 weeks**

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

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



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