

# Internship Program

## Medical Expertise and Bodily Injury Assessment



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Internship Program  
Medical Expertise and Bodily  
Injury Assessment

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# 01 Introduction

In a very short time, scientific and technological advances related to Medical Expertise and Bodily Injury Assessment have made it possible to provide solutions to criminal incidents and accidents. At the same time, more modern regulations and ethical strategies have been introduced for the inclusion of these working tools and techniques. Contradictorily, specialists are not up to date on all these new developments and, much less, are they aware of their applications in daily professional practice. To remedy this context, TECH has promoted this program focused on the development of practical skills by professionals. For this, they will have a first level clinical practice, in a prestigious hospital stay, throughout 3 intensive weeks of learning with great experts.



*Enroll in this Internship Program and incorporate to your professional practice the latest techniques for the analysis of accidents and the resulting injuries that have been implemented from Forensic Pathology and Medical Expertise"*







For several years, science and technology have been searching for better techniques and working mechanisms to address the causes of severe accidents or to deal with incidents where human violence has caused severe bodily harm or even death. As a result, much more sophisticated genetic tests and forensic pathology manuals have emerged that describe lesions in greater detail. However, not all specialists in this field are ready to identify the cause of death of an individual, according to the most modern criteria. This is due, among other reasons, to the fact that the educational programs on the subject are too theoretical and do not focus on the development of specific work skills.

For this reason, TECH designed this academic modality, the only one of its kind in the market. Through this program, the professional will have access to a 3-week intensive on-site stay at a reference center for Medical Expertise and Bodily Injury Assessment. The Internship Program will take place from Monday to Friday, in 8-hour consecutive days, giving each specialist the opportunity to become familiar with state-of-the-art technological resources and the most innovative procedures in this field of work.

At the same time, each specialist will have the opportunity to choose the installation that best suits his or her geographical location. This is possible because TECH has coordinated this clinical practice in international entities, equipped with the best resources and which also have a staff of excellence. Experts from these centers will accompany the specialists during their face-to-face training. At the same time, an assistant tutor will closely supervise each progress, inserting new tasks and enabling the graduate to become excellently acquainted with all the novelties of this sector.

# 02

## Why Study an Internship Program?

This Internship Program is essential to update the healthcare professional's skills with respect to Medical Expertise and Bodily Injury Assessment. Through this innovative program, devised by TECH, the specialists will develop a practical and face-to-face stay, unique of its kind in the educational market, through which they will have access to renowned hospital entities. Many of the facilities involved in this program are located in different latitudes, giving each graduate the opportunity to choose the one that best suits his or her geographic location. From this educational process, each student will achieve a holistic mastery of the tools and techniques available to them in this field of work.



*Through this Internship Program, you will get up to date on how to evaluate fraud through rigorous analysis of the evidence and the scene provided by the most modern tools for the field of Medical Expertise"*

### 1. Updating from the Latest Technology Available

Thanks to this program, specialists will delve into the use of complex technologies for the accumulation of evidence and the interpretation of physical evidence resulting from medical and legal practice. This knowledge will come to them in practice, through the direct approach of the most updated tools, in high-level professional scenarios.

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

Throughout this Internship Program, physicians will be mentored at all times by a group of high-caliber experts. At the same time, they will be supported in their learning by an assistant tutor who will supervise their pedagogical progress directly and will help the specialist to become involved in the different dynamics of the professional practice of this health branch.

### 3. Entering First-Class Clinical Environments

TECH has foreseen the needs of specialists in the handling of the most complex technological tools of Medical Expertise and Bodily Injury Assessment. For this reason, it has planned a practical on-site stay where healthcare professionals will work alongside leading experts in this professional field in a leading international hospital center.



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

The programs related to this academic modality generally have a heavy theoretical load. However, TECH distinguishes itself in the educational market by providing a program that is 100% practical, face-to-face and intensive. In this way, and through 3 weeks of classroom activity in a prestigious hospital center, the graduate will directly apply recently implemented skills in the field of Medical Expertise.

#### 5. Expanding the Boundaries of Knowledge

This program aims to enable specialists to broaden their professional horizons from an international perspective. Thus, TECH has coordinated internships in hospitals located in different latitudes. In this way, the graduate will be familiar with relevant global standards and will be able to increase his or her professional experience to the highest level.



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



# 03

## Objectives

The main goal of this program is to provide the specialist with a first level update on the most updated criteria in the field of Medical Expertise and Valuation of Bodily Injury. Unlike other programs in the educational market, this program offers a unique educational modality, consisting of an intensive on-site stay in a hospital facility of the highest prestige.



### General Objectives

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- ♦ Update the knowledge of the professional with special education and interest in the field of Medical Expertise and Valuation of Bodily Injury
- ♦ Promote work strategies based on a comprehensive approach to the expert witness as a reference model in the achievement of expert excellence
- ♦ Favor the acquisition of technical skills and abilities, through a powerful audiovisual system, and the possibility of development through online simulation workshops and/or specific education
- ♦ Encourage professional stimulation through continuing education and research







### Specific Objectives

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- Update the general knowledge about this branch of medicine
- Master the latest Medical Expert Tests in the different fields of law
- Assessing the Code of Ethics of the Judicial Expert
- Examine the medical and thanatological concepts of Forensic Sciences
- Conduct an in-depth study of cadaveric phases and phenomena
- Describe the different cadaveric phenomena
- Be able to objectify injuries
- Analyze the process of Forensic Evidence Collection in medicine
- Explain the Study of Footprints
- In-depth study the profiles of persons who may have intentionally carried out a self-injury, accident or homicide by simulating a traffic accident
- Master the relevant aspects for the identification of possible assault aggressors
- Define the mechanisms of death
- Determine whether injuries are vital, perimortal or postvital
- Recognize the Stages of Evidence and Crime Scenes
- Avoid fraud losses in this type of practice, before large companies or third parties
- Explain how to deal with Post-Traumatic Stress Disorder
- Analyze possible fraud in the event of claims and accidents
- Explain the mechanism of the most common vehicular traffic accident injuries
- Delve into the phases of an accident and the injuries resulting from it
- Apply the accident reconstruction procedure
- Determine the different personality types of the subjects
- Inquire into the components of the antisocial personality
- Exploring the nature of offenses against sexual freedom and indemnity
- Explain the process of removal of the body
- Define the process of appraisal of expert evidence and the concept of chain of custody
- Classify the types of blood stains and the correct process of blood sampling
- Know the principles of forensic genetics
- Manage the different investigative techniques used in forensic medicine
- Conduct the process of criminological examinations
- Analyze the principles of sample storage and transport
- Delve into the characteristics and structure of the expert evidence

# 04

## Educational Plan

With this modality of studies, the specialist has access to a rigorous clinical practice, dedicated to the consolidation of knowledge and skills related to Medical Expertise. The educational moment consists of a face-to-face and immersive stay in a first class health institution, equipped with the most updated technologies and instruments. At the same time, you will have the advice of leading experts in the field and an accompanying tutor. This last educational figure will be in charge of supervising and promoting learning progress.

The Internship Program will take place from 8-hour days, from Monday to Friday, until completing 3 weeks of duration. Another important advantage of this program is that the physician will be able to choose the hospital facility of his preference, depending on his geographical location. TECH has selected only the best centers, so each graduate will have total guarantees of learning in all of them.

In this completely practical Internship Program, the activities are aimed at developing and perfecting the skills necessary to provide healthcare 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 practical education will be carried out with the active participation of the student performing the activities and procedures of each area of competence (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 competencies for medical practice (learning to be and learning to relate).





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The procedures described below will form the basis of the practical part of the internship, 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
Modern techniques for the expert evaluation of bodily injury	Determine, by histological and microscopic analysis techniques, the causes of soft tissue injuries
	Compare injuries with objects or instruments that could have caused them, as a traceability exercise
	Combining the study of mechanics and biology to analyze traumatic injuries
	Study the forces and consequences that generate a traumatic event through the analysis of injury kinetics
	Evaluate body injuries and determine the cause of the accident by means of Impact Dynamics Analysis that measures velocity and direction of impacts
	Use technologies such as Computed Tomography and Magnetic Resonance Imaging to measure the extent of lesions in the body
Latest innovations in criminalistics and criminology	Analyze surveillance images and videos for clues and to automate repetitive investigative tasks for automobile accidents using Artificial Intelligence
	Examine low-quantity or degraded DNA to obtain results from very small or poorly conditioned samples
	Identify individuals based on their microbiome using specific techniques to collect this aspect of DNA
	Using neurocriminology to study the biological and neurological causes of delinquency
Medical advances in Forensic Sexology	Determine, by analyzing minute traces, the linkage of specific individuals to crime scenes or objects extracted from them
	Implement the most up-to-date understanding protocols on underlying causes of illnesses and injuries, for better investigation of cause of death in homicide or under suspicion cases
	The implementation of electron microscopy and spectroscopy has allowed the identification of spermatozoa in increasingly smaller samples



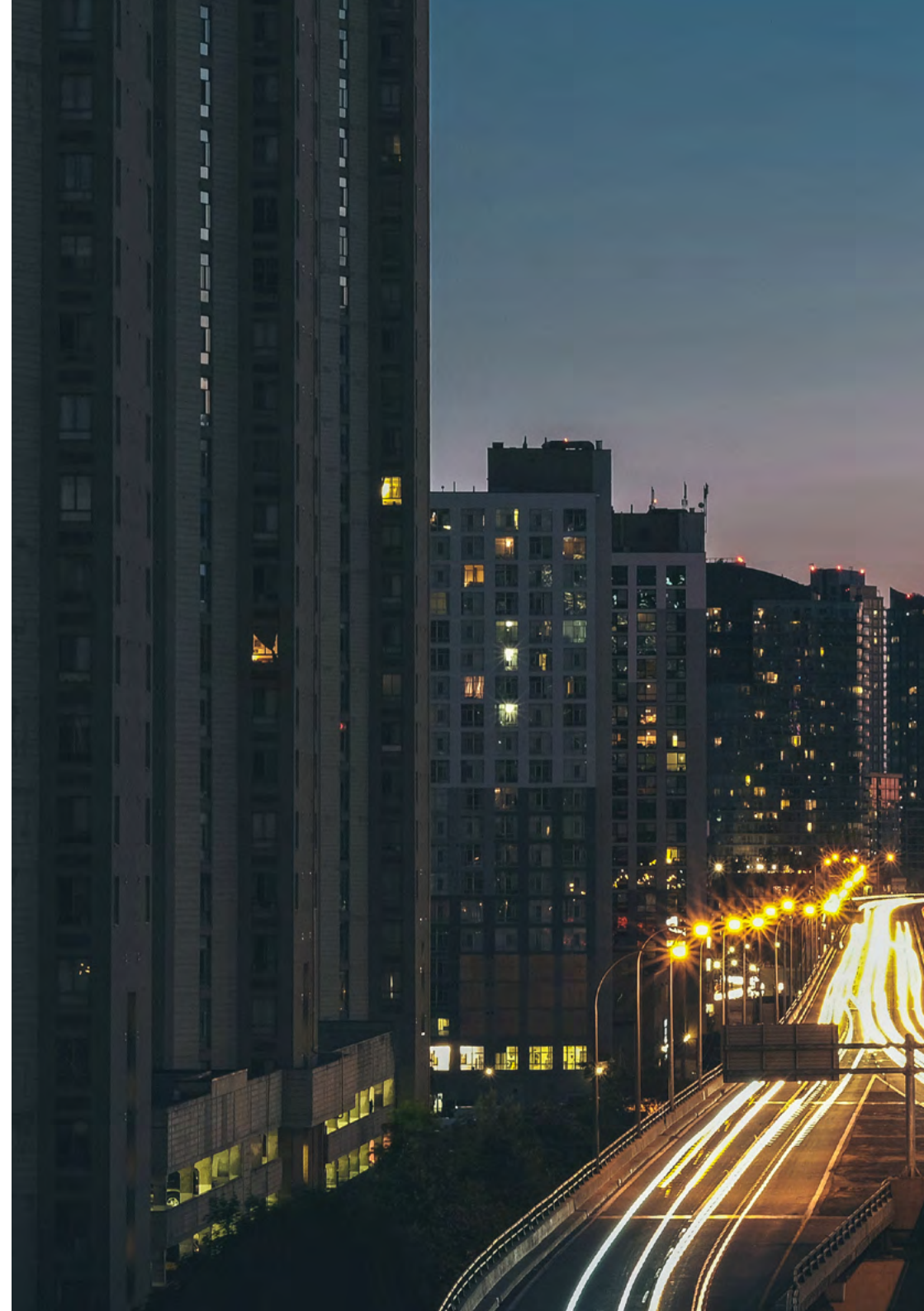
# 05

## Where Can I Do the Internship Program?

This Internship Program will be developed in coordination with prestigious hospitals. In this way, the professional will be able to work in a real scenario, putting into practice new procedures related to Medical Expertise and Bodily Injury Assessment. In this way, you will have access to real patients, while being accompanied by experts from the facility itself, who will guide you throughout a 3-week intensive and immersive face-to-face stay.

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*TECH puts at your disposal the most prestigious centers so that you can put into practice the latest techniques of Medical Expertise in 100% real scenarios"*







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



### Grupo Valora

Country	City
Spain	Seville

Address: Avda. República Argentina  
35a-3º 41011 Sevilla

-Medical Expertise and Valuation

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#### Related internship programs:

Medical Expertise and  
Bodily Injury Assessment



### Clínica Espasana

Country	City
Spain }	Alicante

Address: C/ Poeta Hassan,  
Rasid, nº1, 03400 Villena, Alicante

Clínica Espasana is a polyclinic center with a wide variety  
of specialties.

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#### Related internship programs:

- Diagnosis in Physiotherapy  
- Physiotherapy in Primary Care



# 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 learning 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 Medical Expertise and Bodily Injury Assessment** 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 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 Internship Program in Medical Expertise and Bodily Injury Assessment**

Duration: **3 weeks**

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

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







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