

# Internship Program Clinical Ophthalmology



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Internship Program  
Clinical Ophthalmology

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# 01 Introduction

Healthcare technologies in clinical ophthalmology have undergone spectacular progress in recent years. Many of these devices have served as more comprehensive diagnostic tools and others have become valuable tools for treating and reducing the impact of diseases such as cataracts, glaucoma and various retinal disorders. From this Internship Program, the student is offered an exhaustive program of studies on all these scientific and technical advances. The program focuses on updating and developing skills that are in high demand in the healthcare landscape. To this end, each student will be able to spend 3 weeks in an intensive on-site stay in a highly prestigious hospital facility.

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*This 100% hands-on learning experience will propel your professional development to a level of excellence in the practice of clinical ophthalmology”*





In recent years, clinical ophthalmology has been marked by a steady demographic trend towards an aging population. Degenerative eye diseases such as cataracts, glaucoma and other deteriorations of the macula and retina proliferate in people over 60 years of age. However, scientific and technological advances in this health sector are striving to offer solutions that improve the quality of life of patients. Thus, this field of human knowledge has developed innovative equipment and treatments. These include optical coherence tomography and intraocular anti-VEGF (vascular endothelial growth factor) injections. Both are examples of the constant quest of specialists in this field to fully evaluate the human eye and stop the progression of complex diseases.

However, the application of these technological resources and intervention techniques is highly complex. Thus, professionals in this medical area are forced to constantly update themselves in the practical use of the different work tools available to them. In this context, TECH has devised a program of studies, pioneer in its modality, where each student will have the opportunity to develop competencies in a center specialized in Ophthalmology and its clinical care. In this program, severe pathologies such as uveitis and glaucoma will be addressed. It will also examine surgical techniques such as vitrectomy and Oculoplasties.

Students will acquire all this knowledge through a 100% hands-on learning model. Over a period of 3 weeks, they will work from Monday to Friday in internationally renowned health institutions for 8-hour days. In this way, they will be able to exchange directly with leading professionals in the sector. This intensive on-site stay will have a designated tutor, who will be in charge of integrating the students into the work dynamics of the center and will constantly monitor their progress.

# 02

## Why Study an Internship Program?

Research and surgical techniques in the field of Ophthalmology are constantly evolving and keeping pace with technological innovation in the sector. For this reason, hospital facilities require increasingly qualified professionals with a deep understanding of the latest developments in this field. With this TECH Internship Program, all students will have fast and flexible access to the most demanded skills in the labor market. To this end, they will have an innovative learning modality through which students will be linked to a face-to-face and exhaustive 3-week stay in prestigious health centers of international renown.



*TECH puts within your reach the study of ophthalmological practice with professionals with extensive experience and mastery of the most updated technological tools in this sector"*

### **1. Updating from the latest technology available**

The most innovative surgical technologies and methodologies will be available to TECH students in this program that focuses on the most important practical skills in Clinical Ophthalmology. In addition, they will learn about the different interventions that can be performed by an expert in this area depending on the age and ocular evolution of the patient.

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

Throughout this Internship Program, students will be able to work and learn together with great experts in the field of Clinical Ophthalmology. They will also be supported by an assistant tutor who will involve them in daily work dynamics and assign them specific tasks to strengthen their knowledge and skills.

### **3. To enter first class clinical environments in the field of Ophthalmology**

For this program, TECH has chosen top-level healthcare institutions. The centers selected for these on-site stays are equipped with the most up-to-date technology available. Likewise, all professionals in these instances are trained to offer the best scientific and technological advice to students.



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

This on-site program stands out from other educational programs in the market because of its emphasis on the assimilation of skills and the use of complex technologies from day one. Thus, this 100% practical program will provide each student with a specific vision of the complexities that he or she will face as a graduate, specialized in ophthalmologic care.

#### **5. Expanding the Boundaries of Knowledge**

TECH is the largest online educational institution in the educational market. Therefore, through its network of contacts and collaborations, it has forged alliances with institutions located in different latitudes. In this way, your students will be able to choose between different centers, from distant geographic locations, to complete this first-class practical experience.



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

# 03

## Objectives

This Internship Program in Clinical Ophthalmology will update TECH students in the use of the most innovative technologies in this field. It will also familiarize them with the most outstanding advances in intervention techniques for chronic disorders and the most efficient treatments for specific pathologies.



### General Objectives

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- ♦ Master the latest techniques and methodologies for surgical intervention of ophthalmologic pathologies
- ♦ Delve into new trends and discoveries related to the approach of visual complications such as cataracts, glaucoma, retinal detachments, among others
- ♦ Know the specific approach and casuistry of the most common visual problems in the pediatric age







## Specific Objectives

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- Update knowledge of cataract surgery
- Identify advances in the approach to oculoposterior surgery
- Determine new methods in the surgical approach to lacrimal ducts
- Incorporate new developments in the management of patients with glaucoma into routine medical practice
- Review the pathophysiology of glaucoma and identify new diagnostic and therapeutic procedures in patients
- Describe the different ocular examination methods
- Identify new developments in the approach to corneal and ocular surface pathology
- Update knowledge in conjunctival and corneal neoplasia
- Identify signs and symptoms of toxic and traumatic anterior segment
- Establish diagnostic and treatment methods for the most and least common ocular diseases
- Control the symptomatology of corneal infectious pathology
- Determine the new methods of refractive surgery and its possible complications with ocular lenses
- Determine the new methods of laser refractive surgery and its possible complications with the use of an Excimer laser
- Expand knowledge in ophthalmopediatrics
- Identify the different types of uveitis, and know the new diagnostic and therapeutic procedures in its management
- Incorporate new developments in the management of retinal pathologies
- Define the ocular manifestations of systemic diseases
- Provide knowledge about the latest surgical techniques in ophthalmology
- Explain how to present scientific and clinical information, orally or in writing, in a succinct, clear, and well-organized manner
- Understand how to design and execute a research project



*In this practical training, the professional will address the main interventions of the specialist, which will allow him to improve and enhance his skills in the medical care of patients with ophthalmologic pathologies”*

# 04 Educational Plan

Through an intensive 3-week program, the students of this Internship Program will work and collaborate with great professionals in Clinical Ophthalmology. All of them will have access to a first level classroom stay, from Monday to Friday, in 8-hour days. In this way, they will be able to handle the most complex equipment, develop parallel surgical techniques and master in general the internal dynamics of eye care units.

In this completely practical Internship Program, the activities are aimed at developing and perfecting the skills necessary to provide healthcare 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.

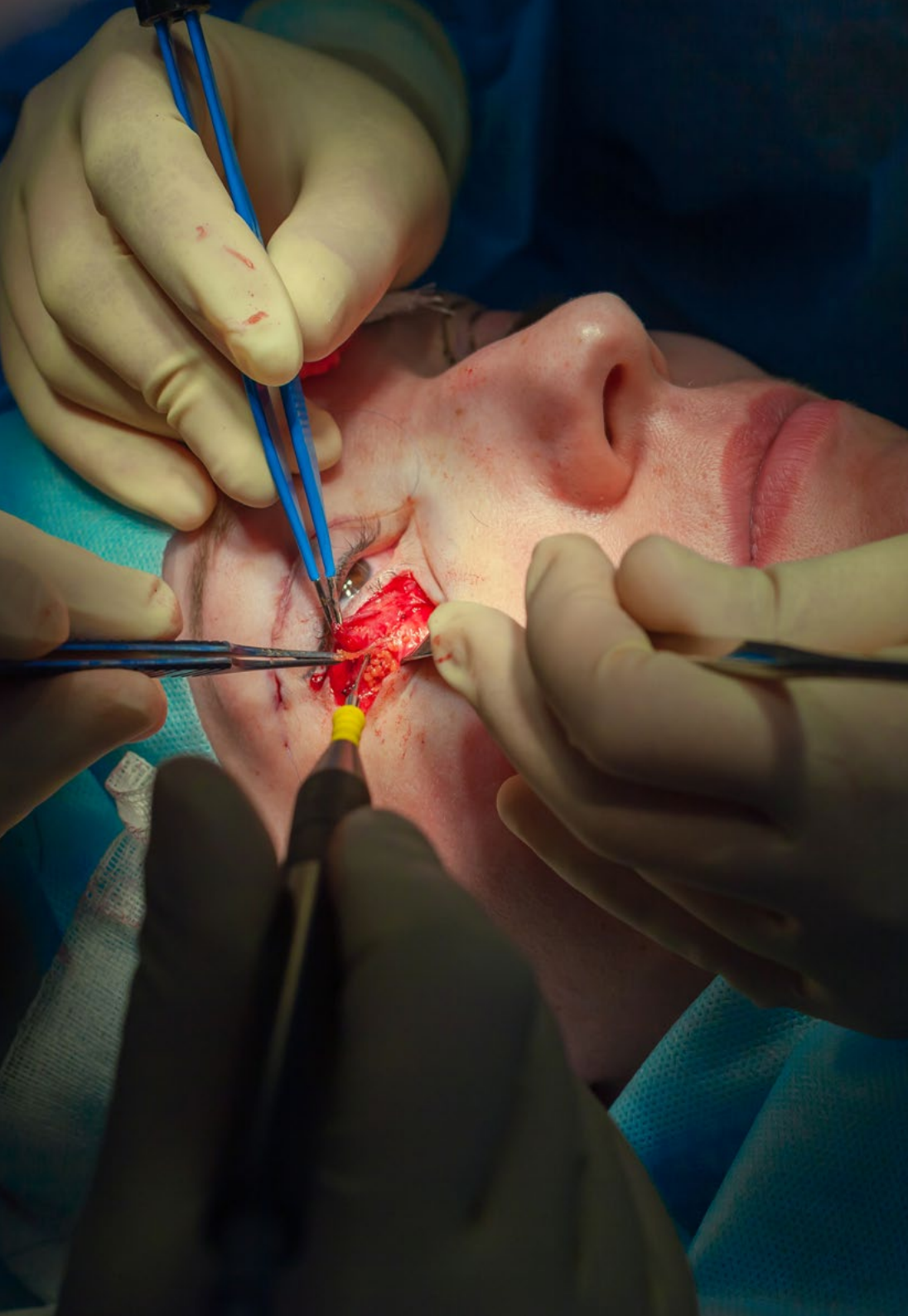
It is, without a doubt, a unique opportunity to learn alongside the industry's leading experts and incorporate practical skills with excellence. This is a new way of understanding and integrating health processes, and makes a reference center the ideal teaching scenario for this innovative experience in the improvement of professional competencies.

The practical teaching will be carried out with the active participation of students performing the activities and procedures of each area of competence (learning to learn and learning to do), accompanied and guided by professors and other fellow trainees, which will facilitate teamwork and multidisciplinary integration as transversal competences for the praxis of Clinical Analysis Care Medicine 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 will be subject to the center's own availability and workload, the proposed activities being the following:



*With TECH, you will be linked to first class hospital centers and you will broaden your practical experience with prestigious professionals in Clinical Ophthalmology”*



Module	Practical Activity
<b>Diagnostic and therapeutic techniques in clinical ophthalmology</b>	Apply the different and most innovative methods of ocular exploration
	Monitor the patient's health conditions and know how diseases such as diabetes or hypertension have a direct impact on vision
	Differential diagnosis and correct treatment of all common and less common ocular diseases
	Use the latest medical procedures in Ophthalmopediatrics to ensure the best care for the child with ocular pathology
	Applying femtosecond laser in refractive cataract surgery
	Put into practice the latest diagnostic techniques in Ophthalmology
<b>Trends and findings related to Clinical Ophthalmology</b>	Prescribe, with the support of a specialist physician, specific pharmacology for each type of ocular pathology
	Learn the latest morphological and functional developments of the ocular surface and cornea in order to improve ocular and corneal medical procedures
	To master the advances in Oculoplastics in order to incorporate them into routine medical practice
<b>Surgical techniques in Clinical Ophthalmology: Glaucoma and Retinal Surgeries</b>	Applying surgery in diabetic retinopathy: from vitreous hemorrhage to tractional RD
	Assess and treat patients with clinical manifestations of retinal pathology and initiate the corresponding new therapeutic procedures, both for medical and surgical care
	Practice the latest Glaucoma surgical techniques, knowing how to effectively discern when to use each of them
	Use new techniques in vitrectomy: pumps, illumination, visualization systems
<b>Pediatric Clinical Ophthalmology</b>	Address the latest techniques for the correct management of uveitis
	Perform complete vision examinations of the pediatric patient
	To know and put into practice the latest medical procedures in Ophthalmopediatrics to guarantee the best care for the child with ocular pathology
	Identify the differential diagnosis of leukocoria, diagnosis and treatment
	Using botulinum toxin for the management of strabismus in childhood

# 05

## Where can I do my clinical internship?

To ensure that the updating process is the best possible, TECH proposes the realization of this on-site stay in a prestigious center that can provide the physician with the latest advances. This is a very complex and broad field, so it requires updating by the specialist, and the role of the hospital institutions proposed here is vital in this process, since they will offer the most advanced knowledge in the specialty. will offer the most advanced knowledge in the specialty.



*Keep up to date with all the latest developments in Clinical Ophthalmology in a prestigious center, surrounded by committed professionals and specialists"*





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



Medicine

### Vissum Alicante

Country	City
Spain	Alicante

Address: Calle Cabañal 1, 03016, Alicante, España

Ophthalmologic care assistance clinic

**Related internship programs:**

- Clinical Ophthalmology
- Optical Technologies and Clinical Optometry



Medicine

### Vissum Madrid

Country	City
Spain	Madrid

Address: C. Polvoranca, 9, 28901 Getafe, Madrid

Ophthalmology assistance center of international reference

**Related internship programs:**

- Clinical Ophthalmology
- Optical Technologies and Clinical Optometry



Medicine

### Hospital HM Modelo

Country	City
Spain	La Coruña

Address: Rúa Virrey Osorio, 30, 15011, A Coruña

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

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine

### Hospital Maternidad HM Belén

Country	City
Spain	La Coruña

Address: R. Filantropía, 3, 15011, A Coruña

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

**Related internship programs:**

- Update in Assisted Reproduction
- Hospitals and Health Services Management



Medicine

### Hospital HM Rosaleda

Country	City
Spain	La Coruña

Address: Rúa de Santiago León de Caracas, 1, 15701, Santiago de Compostela, A Coruña

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

**Related internship programs:**

- Hair Transplantation
- Orthodontics and Dentofacial Orthopedics



Medicine

### Hospital HM La Esperanza

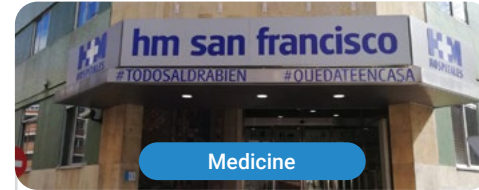
Country	City
Spain	La Coruña

Address: Av. das Burgas, 2, 15705, Santiago de Compostela, A Coruña

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

**Related internship programs:**

- Oncology Nursing
- Clinical Ophthalmology



Medicine

### Hospital HM San Francisco

Country	City
Spain	León

Address: C. Marqueses de San Isidro, 11, 24004, León

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

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Trauma Nursing



Medicine

### Hospital HM Nou Delfos

Country	City
Spain	Barcelona

Address: Avinguda de Vallcarca, 151, 08023 Barcelona

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

**Related internship programs:**

- Aesthetic Medicine
- Clinical Nutrition in Medicine



Medicine

### Hospital HM Madrid

Country	City
Spain	Madrid

Address: Pl. del Conde del Valle de Súchil, 16, 28015, Madrid

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

**Related internship programs:**

- Palliative Care
- Anaesthesiology and Resuscitation



Medicine

### Hospital HM Montepríncipe

Country	City
Spain	Madrid

Address: Av. de Montepríncipe, 25, 28660, Boadilla del Monte, Madrid

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

**Related internship programs:**

- Palliative Care
- Aesthetic Medicine



Medicine

### Hospital HM Torrelodones

Country	City
Spain	Madrid

Address: Av. Castillo Olivares, s/n, 28250, Torrelodones, Madrid

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

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine

### Hospital HM Sanchinarro

Country	City
Spain	Madrid

Address: Calle de Oña, 10, 28050, Madrid

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

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine

### Hospital HM Puerta del Sur

Country	City
Spain	Madrid

Address: Av. Carlos V, 70, 28938, Móstoles, Madrid

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

**Related internship programs:**

- Palliative Care
- Clinical Ophthalmology



Medicine

### Hospital HM Vallés

Country	City
Spain	Madrid

Address: Calle Santiago, 14, 28801, Alcalá de Henares, Madrid

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

**Related internship programs:**

- Gynecologic Oncology
- Clinical Ophthalmology



Medicine

### Policlínico HM Cruz Verde

Country	City
Spain	Madrid

Address: Plaza de la Cruz Verde, 1-3, 28807, Alcalá de Henares, Madrid

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

**Related internship programs:**

- Advanced Clinical Podiatry
- Optical Technologies and Clinical Optometry



Medicine

### Policlínico HM Distrito Telefónica

Country	City
Spain	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



Medicine

### Policlínico HM Gabinete Velázquez

Country: Spain  
City: Madrid

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

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

**Related internship programs:**

- Clinical Nutrition in Medicine
- Aesthetic Plastic Surgery



Medicine

### Policlínico HM Moraleja

Country: Spain  
City: 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



Medicine

### Policlínico HM Rosaleda Lalín

Country: Spain  
City: Pontevedra

Address: Av. Buenos Aires, 102, 36500, Lalín, Pontevedra

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

**Related internship programs:**

- Advances in Hematology and Hemotherapy
- Neurological Physiotherapy







Medicine

### Grupo Gamma

Country	City
Argentina	Santa Fe

Address: Entre Rios 330, Rosario, Santa Fe

Polyclinic specialized in various medical specialties

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#### Related internship programs:

- Update in Anesthesiology and Resuscitation
- Gynecologic Oncology



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

# 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 educational entity undertakes to take out civil liability insurance to cover any eventuality that may arise during the stay at the internship center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. In this way, the professional will not have to worry in case they have to face an unexpected situation and will be covered until the end of the practical 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 Clinical Ophthalmology** 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 Clinical Ophthalmology**

Duration: **3 weeks**

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

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



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