

# Hybrid Professional Master's Degree

## Autoimmune Diseases



## Hybrid Professional Master's Degree

### Autoimmune Diseases

Course Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months.

Certificate: TECH Technological University

Teaching Hours: 1,620 hours.

Website: [www.techtute.com/us/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-autoimmune-diseases](http://www.techtute.com/us/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-autoimmune-diseases)

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# 01

# Introduction

Today, millions of people suffer from Autoimmune Diseases whose effects hinder their daily lives. For this reason, in recent years, new drugs and treatments have been developed to control all these pathologies in order to improve the quality of life of these individuals. Thus, physicians must be aware of these advances and apply them appropriately to meet the needs of their patients. For this reason, TECH has created this program, which will allow the student to assimilate the latest therapeutic procedures to treat Systemic Sclerosis or Idiopathic Inflammatory Myopathies 100% online. In addition, after completing the theoretical training, you will put into practice the knowledge acquired during 3 weeks in a prestigious hospital.





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*This Hybrid Professional Master's Degree allows the student to exercise in simulated environments, which provide immersive learning programmed to train for real situations in the treatment of Autoimmune Diseases”*

Several recent studies have established that Autoimmune Diseases affect between 3 and 7% of the adult population worldwide. These people, with disparate effects depending on each type of pathology, see their daily activities limited because of them. In addition, its detection is extremely complex because these symptoms can be confused with those of other more common diseases. For this reason, updated diagnostic methods have emerged in recent years to facilitate this medical work and, consequently, to apply an adequate treatment that helps to improve the patients' situation. For this reason, and given the benefits they offer, physicians are obliged to be aware of and use these innovations in their daily work methodology.

This is why TECH has created this Hybrid Professional Master's Degree, with the objective of providing the student with the most updated theoretical and practical knowledge in the field of Autoimmune Diseases. During 12 months of learning, the student will master the most avant-garde procedures for the treatment of Systemic Lupus Erythematosus or assimilate the protocols for the detection of Sjögren's Syndrome. Likewise, he will delve into the therapeutics for different AASs in pregnant women.

This theoretical learning period is 100% online, which will allow students to combine their personal and professional life with their studies, accessing in a comfortable way to didactic resources elaborated by experts in Autoimmune Diseases.

After successfully completing this training period, you will enjoy a practical stay of 3 weeks in a prestigious hospital center. Guided at all times by a specific tutor and integrated into an excellent work team, you will put into practice everything you have learned and adopt a series of competencies that will enhance your daily practice.

This **Hybrid Professional Master's Degree in Autoimmune Diseases** contains the most complete and up-to-date scientific program on the market. Its most outstanding features are:

- ♦ Development of more than 100 clinical cases presented by medical professionals with expertise in Autoimmune Diseases
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Therapeutic procedures for diseases such as Lupus or Idiopathic Inflammatory Myopathies updated
- ♦ State-of-the-art diagnostic methods for Systemic Sclerosis
- ♦ Specific action plans and procedures for patients with SAD and special conditions
- ♦ All this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection
- ♦ In addition, you will be able to carry out a clinical internship in one of the best hospitals in the world hospital centers



*Thanks to this program, you will learn and apply new mechanisms for the detection and treatment of diseases such as Neurolupus or Sarcoidosis"*

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*Once you have finished your theoretical learning stage, you will enjoy a practical stay in a prestigious hospital, surrounded by the best experts in Autoimmune Diseases”*

In this proposed Hybrid Professional Master's Degree, of professionalizing character and blended learning modality, the program is aimed at updating medical professionals specialized in the treatment of Autoimmune Diseases, which require a high level of qualification. The contents are based on the latest scientific evidence, and oriented in a didactic way to integrate theoretical knowledge into medical practice, and the theoretical-practical elements will facilitate the updating of knowledge and will allow decision making in patient management.

Thanks to their multimedia content developed with the latest educational technology, they will allow the medical professional to obtain situated and contextual learning, that is to say, a simulated environment that will provide immersive learning programmed to train in real situations. This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

*Do not miss this great opportunity and expand your theoretical and practical knowledge in Autoimmune Diseases to boost your professional growth in this medical field.*

*A unique program that stands out for the quality of its contents and its excellent teaching staff, composed of elite professionals in the field of Autoimmune Diseases.*



02

# Why Study this Hybrid Professional Master's Degree?

In the field of Medicine for Autoimmune Diseases, it is extremely relevant to know the updated diagnostic and therapeutic procedures for these pathologies, as well as to master the mechanisms to put them into practice in a real working environment. For this reason, TECH has created this innovative program, which combines an excellent theoretical learning in this field with a 3-week stay in a prestigious hospital center, so that the student can perfectly handle the most efficient procedures of this medical branch.







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*Combining a complete theoretical education with a practical implementation of the knowledge acquired in a prestigious first level hospital environment is possible thanks to this TECH program"*

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

The area of Medicine specialized in Autoimmune Diseases has undergone significant changes in recent times due to the emergence of new drugs or diagnostic methods that favor the professional work and the well-being of the patient. For this reason, TECH has created this program, with the intention of making doctors aware of and adopting all these scientific advances in their work routine.

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

This Hybrid Professional Master's Degree, in its theoretical aspect, is taught by specialists who actively practice in the field of Autoimmune Diseases, so that the knowledge transmitted to the student will be fully updated. Likewise, during your practical hospital stay, you will be accompanied by the best experts in this field in order to assimilate the most useful techniques and procedures in this area of work.

### **3. Entering first-class hospital environments**

TECH carefully selects all available centers for the practical phase of its programs. Thanks to this, the specialist will have guaranteed access to a prestigious clinical environment in the area of Autoimmune Diseases. In this way, you will be able to experience the day-to-day work of a demanding, rigorous and exhaustive work environment, always applying the latest scientific theses and postulates in its praxis.





#### **4. Combining the Best Theory with State-of-the-Art Practice**

Given the need for constant theoretical and practical updating required by doctors, TECH has opted to create an updated learning model that combines both aspects. Over 12 months, you will receive excellent online training and then apply the knowledge acquired in a real work environment for 120 hours.

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

TECH offers the possibility to carry out this Internship Program in a large number of international centers. In this way, the specialist will be able to expand his frontiers and keep up to date with the best professionals, who practice in first class hospitals and in different continents. A unique opportunity that only TECH, the largest online university in the world, could offer.



*You will have full hands-on immersion at the center of your choice”*

# 03 Objectives

TECH's professional team has created this program with the aim of offering the specialist the most complete update on new approaches and therapeutic techniques for Autoimmune Diseases. To this end, the program not only offers students the best theoretical content taught from high quality multimedia material, but also gives them the opportunity to take a practical stay where they can put into practice, and in a real scenario, everything they have learned.





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*Through this Hybrid Professional Master's Degree, you will broaden your knowledge in epidemiological, pathogenic, clinical and therapeutic aspects of the most common Autoimmune Diseases in medical practices”*



## General Objective

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- The general objective of this Hybrid Professional Master's Degree in Autoimmune Diseases is to provide the graduate with the most exhaustive and innovative information that will allow them to accurately identify epidemiological, pathogenic, clinical and therapeutic aspects of the main autoimmune diseases. In addition, it aims to provide specialists with the most innovative content that will enable them to improve their skills in the effective and arduous medical care of patients with AAS



*It delves into the most relevant theory in this field, subsequently applying it in a real work environment"*





## Specific Objectives

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### Module 1. Clinical Immunology and Autoinflammatory Diseases

- ♦ Determine the complementary examinations applicable in the main autoinflammatory diseases

### Module 2. Systemic Lupus Erythematosus

- ♦ Master all epidemiological, pathogenic, clinical and therapeutic aspects of systemic lupus erythematosus
- ♦ Perform the complementary examinations applicable in systemic lupus erythematosus

### Module 3. Antiphospholipid Syndrome

- ♦ Manage the epidemiological, pathogenic, clinical and therapeutic aspects of antiphospholipid syndrome
- ♦ Guideline for complementary examinations applicable in antiphospholipid syndrome

### Module 4. Systemic Sclerosis

- ♦ Assimilate state-of-the-art therapeutic procedures for the treatment of systemic sclerosis
- ♦ Undertake the complementary examinations applicable in systemic sclerosis

### Module 5. Idiopathic Inflammatory Myopathy

- ♦ Increase knowledge of the epidemiological, pathogenic, clinical and therapeutic aspects of idiopathic inflammatory myopathies
- ♦ Guideline for complementary examinations applicable in idiopathic inflammatory myopathies

### Module 6. Systemic Vasculitis

- ♦ Analyze the latest scientific evidence in the field of systemic vasculitis treatment
- ♦ Perform complementary examinations applicable to systemic vasculitis

### Module 7. Primary Sjögren's Syndrome

- ♦ Deepen the epidemiological, pathogenic, clinical and therapeutic aspects of primary Sjögren's syndrome
- ♦ Elaborate the complementary examinations applicable in primary Sjögren's syndrome

### Module 8. Other Systemic Immune-Mediated Diseases

- ♦ Acquire the latest diagnostic and therapeutic procedures for other systemic immune-mediated diseases
- ♦ Learn how to perform or schedule complementary examinations applicable to these immune-mediated diseases

### Module 9. Multidisciplinary Assessment of Patients with SAD

- ♦ Establish the possibilities for multidisciplinary collaboration in the field of EAS

### Module 10. Drugs in Systemic Autoimmune Diseases

- ♦ Manage the updated therapeutic options applicable to the control of AAS
- ♦ Identify the indications and contraindications of each of the drugs used the EAS
- ♦ Know the limitations of each one of them, as well as their correct treatment schedule

# 04 Skills

After passing the evaluations of the Hybrid Professional Master's Degree in Autoimmune Diseases, the medical professional will have acquired the necessary skills to provide quality care to their patients, fully updated based on the latest scientific evidence.







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*Through this program, you will update and expand your knowledge in this medical field, which will allow you to provide quality care for all your patients with different types of EAS”*



## General Skills

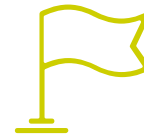
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- ◆ Possess and understand knowledge that provides a basis or opportunity to be original in the development and/or application of ideas, often in a research context
- ◆ Apply acquired knowledge and problem-solving skills in new or unfamiliar environments within broader (or multidisciplinary) contexts related to the field of study
- ◆ Know how to communicate conclusions knowledge, and supporting arguments to specialized and non-specialized audiences in a clear and unambiguous way
- ◆ Develop within the profession in terms of working with other health professionals, acquiring skills to work as a team
- ◆ Enhance the capacity for critical analysis and research in the field of their profession



*At the end of this program, you will have a perfect command of the indications and contraindications of the most up-to-date drugs for the treatment of various Autoimmune Diseases"*





## Specific Skills

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- ♦ Diagnosing the most common AAS
- ♦ Guide the necessary diagnostic interventions in order to determine the specific type of ailment and its specific evolutionary moment
- ♦ Recognize all clinical aspects of Systemic Lupus Erythematosus in the patient in consultation
- ♦ Identify all clinical aspects of the patient's Antiphospholipid Syndrome in consultation
- ♦ Manage the clinical aspects of Systemic Sclerosis of the patient in consultation
- ♦ Addressing Idiopathic Inflammatory Myopathies in different types of patients
- ♦ Establish a diagnosis for Systemic Vasculitis
- ♦ Analyze all clinical aspects of Primary Sjögren's Syndrome
- ♦ Determine the diagnostic protocol in Lupus Erythematosus
- ♦ Correctly interpret diagnostic tests for all AAS.s in the laboratory setting
- ♦ Create the therapeutic indications in each of the AAS
- ♦ Detect the indications and contraindications of the main drugs used for the treatment of AAS
- ♦ Assess pharmacological limitations
- ♦ Design an adequate therapeutic scheme

05

# Course Management

In TECH's untiring commitment to preserve intact the excellent educational quality of its programs, this Hybrid Professional Master's Degree is directed and taught by a teaching staff made up of experts actively working in the field of Medicine. These specialists are responsible for creating the didactic materials that the student will have access to during the duration of this program. Therefore, all the knowledge you will be offered will be applicable in your own professional life.





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*Leading experts in the field of Autoimmune Diseases will provide you with the most updated theoretical contents in this area"*

## International Guest Director

Dr. Bianca Maria Piraccini is a leading expert in the field of **Dermatology** and **Venereal Diseases**. As such, with a prolific career spanning several decades, she has made significant contributions, leaving an indelible mark on the field through her scholarly achievements, leadership and dedication to advancing **medical knowledge** and **patient care**.

At the University of Bologna, she has held roles in senior positions, including **Director** of the **School of Specialization in Dermatology**, as well as **Coordinator** of the **Doctorate in Surgical Sciences**. In addition, she has served as **Director** of the **IRCCS Dermatology Service** at **S. Orsola**, overseeing critical **research** and **patient care** initiatives in **head and neck diseases**.

She has also been **Head** of the **Clinic of Allergology and Adjacent Skin Diseases**, a reference in **Italy** and in the **International Community** in **Nail and Hair Diseases**. In fact, it is the only Italian hospital center where **nail surgery** for **neoplastic** and is performed, being the first one equipped with the **Mohs microscopic surgery technique**.

She has also written more than **240 original articles** in **national** and **international journals**, gaining recognition for her **innovative research** on **nail and hair biology**, **fungal infections** and the **development** of **innovative diagnostic techniques**.

She has also established and directed the **Mycology and Parasitology Laboratory**, a metropolitan reference for the **diagnosis** of **fungal** and **parasitic diseases**. Not to mention that she has contributed to **welfare activities**, playing a crucial role in the **assistance activities** of the **UOC of Dermatology** of the University of Bologna and the **Polyclinic** of **Sant'Orsola**.



## Dr. Piraccini, Bianca Maria

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- Head of the School of Specialization in Dermatology at the University of Bologna, Italy
  - Coordinator of the Doctoral Program in Surgical Sciences at the University of Bologna.
  - Director of the UOC of Dermatology IRCCS of S. Orsola
  - Director of the Specialization School of Dermatology and Venereology at the University of Bologna
  - Head of the Clinic of Allergology and Adjacent Skin Diseases
  - Head of the Laboratory of Mycology and Parasitology Dermatology
  - Coordinator of the Doctoral Program in Surgical Sciences Alma Mater Studiorum at the University of Bologna.
  - Course in Medical Mycology at the Mycology Laboratory of St. John's Institute of Dermatology, St. Thomas' Hospital, London.
  - Doctorate in Dermatological Sciences at the University of Bologna
  - Specialization in Dermatology and Venereology at the University of Bologna
  - Degree in Medicine and Surgery from the University of Bologna
- Member of: Italian Society of Dermatology and Sexually Transmitted Diseases (SIDEMaST), European Academy of Dermatology and Venereology (EADV), American Academy of Dermatology (AAD), European Nail Society (ENS), European Hair Research Society (EHRS) , Council on Nail Disorders (CND), International Nail Society (INS)

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*Thanks to TECH, you will be able to learn with the best professionals in the world”*

## Management



### Dr. Olga Araújo Loperena

- Medical specialist in the Autoimmune Diseases Service of the Hospital Clínic de Barcelona
- Attending Physician of Internal Medicine at the Hospital General Mediano
- Degree in Medicine and Surgery from the University of Barcelona
- Master's Degree in Clinical Management of Patients with Systemic and Autoimmune Diseases by the University of Barcelona
- Master's Degree in Advanced Medical Skills, specializing in Autoimmune Diseases from the University of Barcelona
- Master's Degree in Clinical Management from the University of Murcia, Spain





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*The knowledge you will gain from these specialists with extensive experience in the world of medicine will be fully applicable in your professional experiences”*

# 06

## Educational Plan

This Hybrid Professional Master's Degree consists of 10 modules through which the student will expand and update all their knowledge about the diagnosis and treatment of the most common Autoimmune Diseases. Likewise, the didactic resources available throughout this program are accessible in various formats such as readings, explanatory videos and self-assessment tests. With this, and through a 100% online methodology, you will obtain learning that is completely adapted to your academic and personal needs.



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*With a 100% online methodology in its theoretical phase, this program will allow you to know all the advances in Autoimmune Diseases without the need to move from your own home"*

### Module 1. Clinical Immunology and Autoinflammatory Diseases

- 1.1. The Innate and Adaptive Immune Response
- 1.2. From Autoimmune Response to Systemic Autoimmune Disease
- 1.3. Types of Autoimmune Response
- 1.4. HLA Polymorphism
- 1.5. Autoantibodies in Autoimmune Disease Diagnosis
- 1.6. Autoinflammatory Diseases - I: IL-1-Mediated Diseases
- 1.7. Autoinflammatory Diseases II: Autoinflammation and Autoimmunity. Interferonopathies
- 1.8. Autoinflammatory Diseases III: Autoinflammation and Immunodeficiency
- 1.9. Autoinflammatory Diseases IV: Ubiquitinopathies and Other Autoinflammatory Diseases
- 1.10. Immunomodulatory Therapies

### Module 2. Systemic Lupus Erythematosus

- 2.1. Epidemiology
- 2.2. Clinical Manifestations
- 2.3. Diagnostic Criteria. Classification Criteria
- 2.4. Lupus Nephritis
- 2.5. Neurolupus
- 2.6. Monitoring Patients with Lupus
- 2.7. Lupus Treatment - I: Conventional Therapy
- 2.8. Lupus Treatment - II: Immunosuppressive Therapy
- 2.9. Lupus Treatment - III: Treatment according to the Organ Affected
- 2.10. Pregnancy and Lupus

### Module 3. Antiphospholipid Syndrome

- 3.1. Antiphospholipid Antibodies
- 3.2. Clinical Manifestations of Antiphospholipid Syndrome
- 3.3. Catastrophic Antiphospholipid Syndrome
- 3.4. Seronegative Antiphospholipid Syndrome
- 3.5. Obstetric Antiphospholipid Syndrome
- 3.6. Cardiac Involvement in Antiphospholipid Syndrome
- 3.7. Monitoring Patients with Antiphospholipid Syndrome
- 3.8. Treating Antiphospholipid Syndrome
- 3.9. Treating Antiphospholipid Syndrome in Special Clinical Situations

### Module 4. Systemic Sclerosis

- 4.1. Epidemiology
- 4.2. Clinical Manifestations
- 4.3. Diagnostic Criteria. Classification Criteria
- 4.4. Renal Involvement in Systemic Sclerosis
- 4.5. Pulmonary Involvement in Systemic Sclerosis
- 4.6. Monitoring Patients with Systemic Sclerosis
- 4.7. SSc Treatment - I: Conventional Therapy
- 4.8. SSc Treatment - II: Immunosuppressive Therapy
- 4.9. SSc Treatment - III: Treatment according to the Organ Affected
- 4.10. Treating Pulmonary Hypertension in Patients with Systemic Sclerosis

### Module 5. Idiopathic Inflammatory Myopathy

- 5.1. Epidemiology
- 5.2. Clinical Manifestations
- 5.3. Diagnostic Criteria. Classification Criteria
- 5.4. Differential Diagnosis of Idiopathic Inflammatory Myopathy
- 5.5. Pulmonary Involvement in Idiopathic Inflammatory Myopathy
- 5.6. Monitoring Patients with Idiopathic Inflammatory Myopathy
- 5.7. IIM Treatment - I: Conventional Therapy
- 5.8. IIM Treatment - II: Immunosuppressive Therapy
- 5.9. Inclusion Body Myositis
- 5.10. Myositis and Cancer

## Module 6. Systemic Vasculitis

- 6.1. Epidemiology
- 6.2. Diagnostic Criteria. Classification Criteria
- 6.3. Monitoring Patients with Systemic Vasculitis
- 6.4. Giant Cell Arteritis and Polymyalgia Rheumatica
- 6.5. Takayasu's Arteritis
- 6.6. Polyarteritis Nodosa and Kawasaki Disease
- 6.7. ANCA-Associated Vasculitis: Granulomatosis with Polyangiitis (GPA) and Microscopic Polyangiitis (MAP)
- 6.8. ANCA-Associated Vasculitis: Eosinophilic Granulomatosis with Polyangiitis (EGPA)
- 6.9. Immune Complex Vasculitis. Cryoglobulinemic Vasculitis
- 6.10. CNS Vasculitis and Other Localized Vasculitis

## Module 7. Primary Sjögren's Syndrome

- 7.1. Epidemiology
- 7.2. Clinical Manifestations
- 7.3. Diagnostic Criteria. Classification Criteria
- 7.4. Minor Salivary Gland Biopsy and Other Complementary Tests
- 7.5. Extraglandular Involvement in Primary Sjögren's Syndrome
- 7.6. Monitoring Patients with Primary Sjögren's Syndrome
- 7.7. Differential Diagnosis of Primary Sjögren's Syndrome
- 7.8. pSS Treatment - I: Dryness Therapy
- 7.9. pSS Treatment - II: Extraglandular Manifestations Treatment
- 7.10. Primary Sjögren's Syndrome Prognosis

## Module 8. Other Systemic Immune-Mediated Diseases

- 8.1. Relapsing Polychondritis
- 8.2. Sarcoidosis
- 8.3. Extrapulmonary Sarcoidosis
- 8.4. Hemophagocytic Syndrome
- 8.5. IgG4-Related Autoimmune Disease

- 8.6. Variable Vessel Vasculitis: Behçet's Disease I
- 8.7. Variable Vessel Vasculitis: Behçet's Disease II
- 8.8. Rheumatoid Arthritis
- 8.9. Other Autoimmune Diseases of the Musculoskeletal System
- 8.10. Adult Still's Disease

## Module 9. Multidisciplinary Assessment of Patients with SAD

- 9.1. Cardiovascular Risk Factors in Patients with SAD
- 9.2. Fever in Patients with SAD and Immunosuppressive Treatment
- 9.3. Pregnancy in Patients with SAD
- 9.4. Anti-Inflammatory, Immunosuppressive and Antithrombotic Treatment in Pregnancy
- 9.5. Emergencies in Patients with SAD
- 9.6. Vaccination in Patients with SAD
- 9.7. Non-Infectious Uveitis
- 9.8. Pulmonary Arterial Hypertension in SADs
- 9.9. The Use of Capillaroscopy in Patients with SAD
- 9.10. Renal Biopsy in SADs

## Module 10. Drugs in Systemic Autoimmune Diseases

- 10.1. Nonsteroidal Anti-Inflammatory Drugs
- 10.2. Antimalarials
- 10.3. Glucocorticoids
- 10.4. Immunosuppressants
- 10.5. Immunoglobulins
- 10.6. Vasodilators
- 10.7. Anticoagulants
- 10.8. Biological Treatments Targeting B-Lymphocytes
- 10.9. Biological Treatments Targeting TNF- $\alpha$
- 10.10. Other Biological Treatments

07

# Clinical Internship

After passing the online learning phase, the program includes an internship in a reference hospital. During 3 weeks, the student will be integrated into an excellent work team and, accompanied by a tutor, will take all the knowledge acquired over 12 months to the real work environment.



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*Do your clinical internship in one of the best hospitals with high international prestige”*

The practical part of this Hybrid Professional Master's Degree consists of a 3-week stay in a prestigious hospital, from Monday to Friday, with 8 consecutive hours of work under the supervision of an associate specialist. This period will allow the student to deal with real patients alongside a team of experts of reference in the area of Autoimmune Diseases, applying the most innovative diagnostic procedures and planning the latest generation of therapy for each pathology.

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 therefore an excellent opportunity to learn by working in the innovative hospital of the future, where the use of up-to-date diagnostic methods and the application of innovative drugs are essential to ensure the patient's well-being. This is a new way of broadening healthcare knowledge, and makes the hospital the ideal teaching scenario for acquiring these professional skills.

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).







The procedures described below will form the basis of the practical part of the training, and their completion 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
Clinical Immunology and Autoinflammatory Diseases	Perform an efficient diagnosis to detect the extent of different types of Autoinflammatory Diseases
	Treating an Autoinflammatory Disease through the application of an immunomodulatory therapy
Systemic Lupus Erythematosus and Antiphospholipid Syndrome	Diagnose Lupus Nephritis and establish an adequate treatment for the patient suffering from it
	Carry out a treatment of Lupus for pregnant women, taking into account its main particularities
	Elaborate the follow-up of patients with systemic sclerosis to analyze their evolution and apply the required modifications in their treatment
Sclerosis and Idiopathic Inflammatory Myopathies	Using the treatment of pulmonary hypertension in the patient with Systemic Sclerosis
	Elaborate a detailed and individualized follow-up of the patient with Systemic Sclerosis in order to detect its adequate evolution
	Diagnosis and treatment of inclusion body myositis
Other Systemic Immune-Mediated Diseases	Diagnose Relapsing Polychondritis, detecting its extent in different types of patients
	Prescribe an adequate treatment for extrapulmonary sarcoidosis
	Treat adult Still's disease through the application of state-of-the-art therapeutic procedures
Assessment of the patient with AAS and pharmacology	Apply anti-inflammatory, immunosuppressive and antithrombotic treatment in the pregnant patient with AAS
	Perform diagnosis and treatment of Pulmonary Arterial Hypertension in SAEs
	Use the most updated Glucocorticoids for the treatment of different Autoimmune Diseases

08

# Where Can I Do the Clinical Internship?

In order to offer high quality and decisive learning, TECH provides its students with the best hospitals for their practical training. Thus, you will develop your skills alongside the best experts in the field of Autoimmune Diseases, significantly enhancing your professional competencies.





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*Join a hospital of national prestige to learn first-hand the ins and outs of the medical field of Autoimmune Diseases”*

## tech 36 | Where Can I Do the Clinical Internship?



The student will be able to take the practical part of this Hybrid Professional Master's Degree in the following centers:



### 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.

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**Related internship programs:**

- Palliative Care
- Aesthetic 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.

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**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care





**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.

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**Related internship programs:**

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

## 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 he/she has to face an unexpected situation and will be covered until the end of the practical program at the center.



## General Conditions for Practical Training

The general terms and conditions of the internship program agreement shall be as follows:

**1. TUTOR:** During the Hybrid Professional Master's Degree, 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 Hybrid Professional Master's Degree, 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 Hybrid Professional Master's Degree will receive a certificate accrediting their stay at the center.

**5. EMPLOYMENT RELATIONSHIP:** the Hybrid Professional Master's Degree shall not constitute an employment relationship of any kind.

**6. PRIOR EDUCATION:** Some centers may require a certificate of prior education for the Hybrid Professional Master's Degree. 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. DOS NOT INCLUDE:** The Hybrid Professional Master's Degree 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.

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# Methodology

This program offers students a different way of learning. Our methodology follows a cyclical learning process: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the ***New England Journal of Medicine*** have considered it to be one of the most effective.





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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization”*

## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.

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*Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”*

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



## Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

*Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.*



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



#### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



#### Interactive Summaries

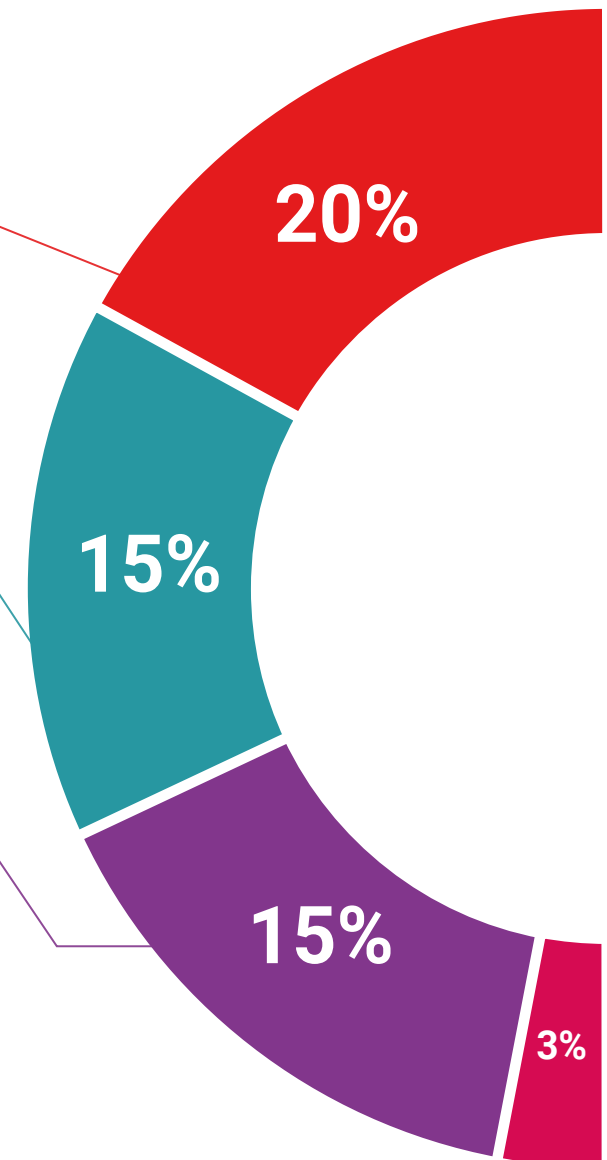
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story"



#### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



#### Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



# 10 Certificate

The Hybrid Professional Master's Degree in Autoimmune Diseases guarantees students, in addition to the most rigorous and up-to-date education, access to a Hybrid Professional Master's Degree issued by TECH Technological University.





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*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”*

This **Hybrid Professional Master's Degree in Autoimmune Diseases** contains the most complete and up-to-date program on the professional and academic scene.

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

In addition to the diploma, 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.

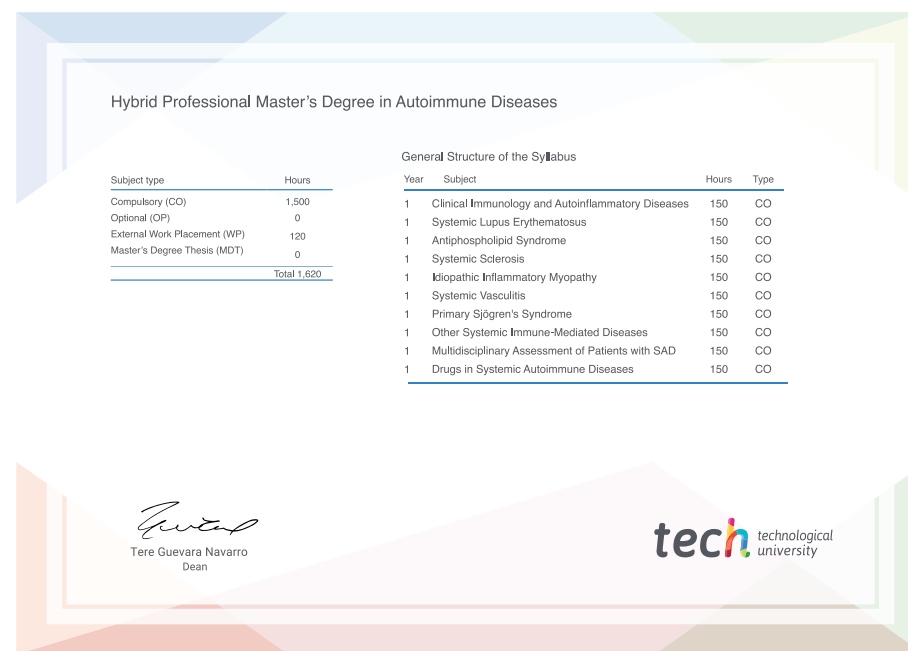
Program: **Hybrid Professional Master's Degree in Autoimmune Diseases**

Course Modality: **Hybrid (Online + Clinical Internship)**

Duration: **12 months.**

Certificate: **TECH Technological University**

Teaching Hours: **1,620 h.**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.



## Hybrid Professional Master's Degree Autoimmune Diseases

Course Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months.

Certificate: TECH Technological University

Teaching Hours: 1,620 hours.

# Hybrid Professional Master's Degree Autoimmune Diseases

