





Hybrid Master's Degree

Allergology

Modality: Hybrid (Online + Internship)

Duration: 12 months

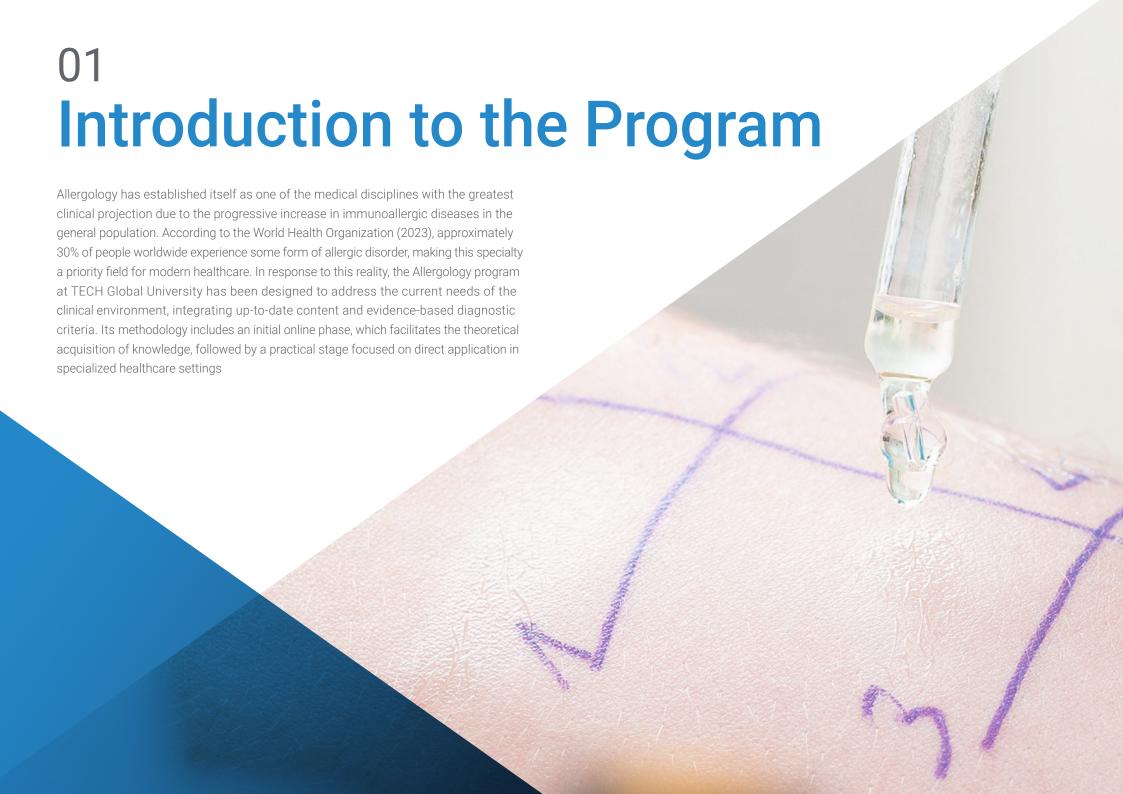
Certificate: TECH Global University

Credits: 60 + 4 ECTS

We bsite: www.techtitute.com/us/medicine/hybrid-master-degree-hybrid-master-degree-allergology

Index

01	02		03	
Introduction to the Program	Why Study at TECH?		Syllabus	
p. 4		p. 8		p. 12
04	05		06	
Teaching Objectives	Internship		Internship Centers	
p. 18		p. 24		p. 30
07	08		09	
Study Methodology	Teaching Staff		Certificate	
p. 34		p. 44		p. 50





tech 06 | Introduction to the Program

In the current context of Medicine, the management of Allergic Diseases has become a fundamental axis for improving the quality of life for millions of people. In fact, this area allows for the understanding and treatment of immunological reactions that affect multiple organs and systems, ranging from Respiratory Pathologies to skin manifestations. Given the sustained increase in cases globally, it is essential to have professionals who are equipped with updated diagnostic tools and effective therapeutic approaches. As such, specialized knowledge in this branch is becoming an increasing necessity within the clinical field

Based on this demand, the curriculum designed by TECH Global University will delve into key aspects of the field, including the impact of panallergen exposure on various Allergic Diseases, considering its role in cross-sensitization and the complexity of diagnosis. Additionally, high-precision diagnostic tools that allow for the identification of underlying immunological mechanisms with greater accuracy will be addressed. The program will also include a detailed study of Skin Diseases associated with allergic reactions, a clinical component that requires particular attention due to its frequency and its impact on the daily life of patients

Thanks to the comprehensive design of this university program, professionals will have access to advanced knowledge that will enable them to make evidence-based clinical decisions and manage complex cases with greater confidence. Moreover, they will develop skills to interpret specific tests and apply personalized treatments, resulting in a substantial improvement in their competencies for daily practice. This approach also supports continuous updating in response to the latest scientific advancements

The methodology employed by TECH Global University combines online access to advanced educational content with a practical phase in a healthcare institution recognized for its excellence. Through the Relearning method, dynamic and deep learning is promoted, facilitating long-term knowledge retention. As an added value, the program will feature 10 Masterclasses delivered by an internationally renowned Guest Director

This **Hybrid Master's Degree in Allergology** contains the most complete and up-to-date scientific program on the market. The most important features include:

- Development of over 100 practical cases with extensive expertise in Allergology and university professors with recognized experience in the comprehensive management of allergic patients
- Its graphic, schematic and practical contents provide essential information on those disciplines that are indispensable for professional practice
- Clinical assessment and follow-up of allergic patients, with special attention to respiratory conditions, skin disorders, and systemic reactions of immunological origin
- With a focus on evidence-based medicine and methodologies applied to research in Allergic Diseases
- All of 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
- Furthermore, you will be able to carry out an internship in one of the best companies



You will have access to an online methodology with a practical approach, based on knowledge delivered by experts"

Introduction | 07 tech



You will also have access to 10 unique and additional Masterclasses, taught by a renowned internationally acclaimed expert in the field of Allergology"

This Master's program, which is professionalizing and offered in a hybrid format, is designed for the updating of professionals with experience in managing complex Allergic Diseases, who work in specialized clinical settings and require a high level of qualification. The content is based on the latest scientific evidence and is presented in a didactic manner to integrate theoretical knowledge into clinical practice, with both theoretical and practical components that will facilitate knowledge updating and support precise decision-making in the management of patients with Allergic Diseases

Thanks to its multimedia content developed with the latest educational technology, it will allow medical professionals to engage in contextual and situated learning, providing a simulated environment that offers immersive training for real-world situations. The design of this program is based on Problem-Based Learning, by means of which the student must try to solve the different professional practice situations that arise during the program. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts

You will enhance your skills in managing patients with acute allergic reactions and complex hypersensitivity conditions

You will incorporate the most current approaches into your daily practice for managing Skin Diseases associated with allergic reactions, improving care and management of these conditions







tech 10 | Why Study at TECH?

The world's best online university, according to FORBES

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future"

The best top international faculty

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others

The world's largest online university

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world



The most complete syllabus





World's
No.1
The World's largest
online university

The most complete syllabuses on the university scene

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills. and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success

A unique learning method

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries

The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics

Leaders in employability

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development









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Google Premier Partner

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies

The top-rated university by its students

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model





tech 14 Syllabus

Module 1. Introduction to Allergology

- 1.1. Introduction Terminology. Atopy and Allergy
 - 1.1.1. Terminology
 - 1.1.2. Atopy
 - 1.1.3. Allergy
- 1.2. History of Allergies
 - 1.2.1. Origins and Development
- 1.3. Prevalence of Allergic Diseases. Pharmacoeconomics of Allergic Diseases
 - 1.3.1. Prevalence
 - 1.3.2. Pharmacoeconomics
- 1.4. Immunological Basis of Allergic Diseases. Classification of Hypersensitivity Reactions
 - 1.4.1. Immunological Basis of Allergic Diseases
 - 1.4.2. Classification of Hypersensitivity Reactions
 - 1.4.3. Cells and Molecules Involved in the Immediate Hypersensitivity Immune Response
- 1.5. Pathophysiology of an Allergic Reaction. Immunological Basis of Allergic Diseases
- 1.6. Effector Cells Involved in Allergic Reactions
 - 1.6.1. Effector Cells Involved in Allergic Reactions
 - 1.6.2. Basophils, Mast Cells, Cytokines, Eosinophils, Allergy Mediators
- 1.7. Immunoglobulin E: Features. Mechanisms of IgE Synthesis Regulation. High and Low-Affinity IgE Receptors
- 1.8. The Complement System. Components. Activation and Regulation Pathways
- 1.9. Immunological Mechanisms Involved in Allergic Dermatoses
- 1.10. Digestive Tract Immunology Mechanisms of Immunological Tolerance Allergic Reactions to Food Adverse Reactions to Additives and Preservatives

Module 2. Allergens. Panallergens and their Impact on Allergic Diseases

- 2.1. Allergens. Types. Structure. Characterization and Purification of Allergens Concept of Cross-Reactivity. Panallergens
- 2.2. Classification of the Main Environmental Allergens
- 2.3. Classification and Taxonomy of the Main Food Allergens
- 2.4. Classification and Description of the Main Skin Allergens
- 2.5. Allergic Reactions to Latex. Cross Allergenicity with Food. Clinical Prevention of Latex Allergy
- 2.6. Description of Pollen-Food Syndromes: Classification, Description, Prevalence
- 2.7. Classification and Description of the Main Allergic Diseases of Drug Origin
- 2.8. Classification, Description, and Taxonomy of Animal Allergens
- 2.9. Classification, Description, and Taxonomy of Vespid Allergens

Module 3. Diagnostic Techniques in Allergic Diseases

- 3.1. General Aspects of the Diagnosis of Allergic Diseases
 - 3.1.1. Basic Criteria
- 3.2. "In-Vivo" Diagnostic Methods of Allergic Diseases: *Prick-test Prick* Epicutaneous Tests.
 Oral Provocation Tests
- 3.3. In-Vitro Methods of Allergic Diseases. Classification and Description
- 3.4. Molecular Diagnostics by Components in Pneumoallergen Allergic Respiratory Diseases: Pollens
- 3.5. Molecular Diagnostics by Components in Pneumoallergen Allergic Respiratory Diseases: Mites and Fungi
 - 3.5.1. Diagnostic Techniques
- 3.6. Molecular Diagnostics by Components in Pneumoallergen Allergic Respiratory Diseases: Animals
 - 3.6.1. Diagnostic Techniques
- 3.7. Molecular and Component-Based Diagnosis in Food Allergy
- 3.8. Molecular and Component-Based Diagnosis in Vespid Allergy
- 3.9. Basotest in the Diagnosis of Allergic Diseases
- 3.10. Induced Sputum in the Diagnosis of Respiratory Allergic Diseases
- 3.11. Apparatus in the Diagnosis of Allergic Diseases
- 3.12. Diagnosis of Comorbidities of Allergic Diseases: Obesity, Gastroesophageal Reflux Disease, and Sleep Disorders

Module 4. Main Respiratory Allergic Diseases. Epidemiology, Diagnosis, and Treatment

- 4.1. Allergic Rhinoconjunctivitis
- 4.2. Nasosinusal Polyposis
- 4.3. Asthma
 - 4.3.1. Definition and Classification
 - 4.3.2. Diagnosis and Treatment
- 4.4. ACOS Mixed Phenotype
- 4.5. Biological Drugs in the Treatment of Asthma
- 4.6. Thermoplasty in Asthma Treatment
- 4.7. Eosinophilic Bronchitis
- 4.8. Allergic Bronchopulmonary Aspergillosis. Extrinsic Allergic Alveolitis
- 4.9. Alpha 1 Antitrypsin Deficiency and Respiratory Allergic Pathology

Module 5. Allergy-Related Skin Diseases

- 5.1. Atopic Dermatitis
- 5.2. Chronic Spontaneous Urticaria
- 5.3. Angioedema
- 5.4. Urticarial-Vasculitis
- 5.5. Alpha 1 Antitrypsin Deficiency and Skin Diseases in Allergology
- 5.6. Biological Drugs in the Treatment of Atopic Dermatitis
- 5.7. Biological Drugs in the Treatment of Chronic Urticaria
- 5.8. Biological Drugs in the Treatment of Angioedema

Module 6. Immunodeficiencies in Allergology: Diagnostics and Treatments

- 6.1. Primary Immunodeficiencies in Pediatric Patients
- 6.2. Primary Immunodeficiencies in Adult Patients
- 6.3. Organ-Specific Autoimmune Diseases
- 6.4. Systemic Autoimmune Diseases
- 6.5. Alpha 1 Antitrypsin Deficiency
- 6.6. Cutaneous Mastocytosis
- 6.7. Systematic Mastocytosis
- 6.8. Celiac Disease

Module 7. Food Allergies. Epidemiology, Diagnosis, and Treatment

- 7.1. Food Allergy. Classification and Taxonomy
- 7.2. Milk Allergy
- 7.3. Egg Allergy
- 7.4. Fish Allergy
- 7.5. Seafood Allergy
- 7.6. Fruit and Nut Allergy
- 7.7. Legume Allergy
- 7.8. Allergy to Other Plant-Based Foods
- 7.9. Gluten Allergy
- 7.10. Allergy to Additives and Preservatives

tech 16 Syllabus

Module 8. Main Pharmacological Groups Causing Allergic Pathology

- 8.1. Adverse Reactions to Medications. Immune System Adverse Reactions
- 8.2. Allergy to Beta-Lactam Antibiotics
- 8.3. Allergy to Quinolone Group Antibiotics
- 8.4. Allergy to Sulfonamide Group Antibiotics
- 8.5. Allergy to Non-Steroidal Anti-Inflammatory Drugs
- 8.6. Allergy to Chemotherapy Drugs
- 8.7. Allergy to Anticoagulants
- 8.8. Proton Pump Inhibitor Allergy
- 8.9. Allergy to Contrast Media
- 8.10. Pseudoallergic and Idiosyncratic Reactions to Drugs

Module 9. Hymenoptera Allergy. Classification and Taxonomy

- 9.1. Classification and Taxonomy
- 9.2. Epidemiology and prevalence
- 9.3. Geographical Location of the Different Allergologically Relevant Hymenoptera
- 9.4. Systemic Allergic Reactions due to Hymenoptera: Bees
- 9.5. Systemic Allergic Reactions due to Hymenoptera: Wasps
- 9.6. Diagnosis of Allergic Reactions to Hymenoptera
- 9.7. Prophylaxis of Reactions to Hymenoptera Venoms
- 9.8. Treatment of Hymenoptera Allergy
- 9.9. Allergy to Hymenoptera Venom and Mastocytosis
- 9.10. Other Insect Bites







- 10.1. Research and Allergy
- 10.2. Big Data in Allergic Diseases
- 10.3. Immunotherapy of Allergic Diseases. Introduction
- 10.4. Immunotherapy of Allergic Rhinitis and Asthma
- 10.5. Food Allergy Immunotherapy
- 10.6. Desensitization for the Treatment of Drug Allergy
- 10.7. Peptide immunotherapy
- 10.8. Immunotherapy and the Use of Biological Drugs

Module 11. The Author's Professional Experience in the Diagnosis and Treatment of Allergic Diseases

- 11.1. Classification of Occupational Respiratory Diseases
- 11.2. Occupational Asthma. Diagnosis
- 11.3. Diagnostic Tests in Occupational Asthma: Skin Tests, Routine Respiratory Tests
- 11.4. Provocation Chambers in Occupational Asthma Diagnostics
- 11.5. Use of Induced Sputum in the Diagnosis of Occupational Asthma
- 11.6. High Molecular Weight Agents
- 11.7. Low Molecular Weight Agents
- 11.8. Occupational Eosinophilic Bronchitis and Pneumonitis Allergic Pneumonitis
- 11.9. Professional Dermatoses: Classification and Description
- 11.10. Diagnosis of Occupational Dermatoses

Module 12. Miscellaneous

- 12.1. Anaphylaxis
- 12.2. Telemedicine and Social Media in the Field of Allergology
- 12.3. Pharmaceuticals in Development in the Field of Allergology
- 12.4. Associations in the Field of Allergology



04 Teaching Objectives

This university program from TECH is designed to promote a comprehensive understanding of the immunological mechanisms involved in allergic reactions, from both clinical and molecular perspectives. Throughout the academic journey, professionals will develop advanced knowledge in interpreting specific tests, identifying predisposing factors, and applying highly complex diagnostic strategies. Additionally, they will strengthen their ability to integrate technological innovations into the management of diverse allergic conditions, thereby improving their performance in demanding clinical environments. This rigorous and up-to-date approach encourages more effective professional practice, aligned with the latest advancements in Medicine



tech 20 | Teaching Objectives



General Objective

• The aim of this university degree is to provide a solid foundation for understanding the evolution and impact of Allergic Diseases. From a multidimensional approach, professionals will develop skills to differentiate between acute and chronic allergic processes, assess the immune system's response to various allergens, and apply clinical criteria in the comprehensive evaluation of patients. They will also explore emerging areas such as food allergies, anaphylaxis, and reactions induced by environmental agents. This specialized preparation enables more effective action in clinical scenarios where rapid and evidence-based intervention is required



You will refine your skills in identifying and differentiating acute and chronic allergic processes, taking your clinical practice to the highest level of diagnostic precision"





Teaching Objectives | 21 tech



Specific Objectives

Module 1. Introduction to Allergology

- Understand the fundamentals of Allergology and its historical evolution
- Identify the main immunological mechanisms involved in allergic reactions
- Analyze the environmental and genetic factors that influence the development of allergic diseases
- Explore the clinical and epidemiological impact of allergic conditions on the population

Module 2. Allergens. Panallergens and their Impact on Allergic Diseases

- Identify the different types of allergens and their classification
- Analyze the concept of panallergen and its implications in cross-reactivity
- Evaluate methods for detecting and quantifying allergens in the environment
- Apply strategies for the prevention and control of allergen exposure

Module 3. Diagnostic Techniques in Allergic Diseases

- Describe the main skin and serological tests used in Allergology
- Interpret the results of diagnostic studies in allergic diseases
- Apply advanced tools such as flow cytometry and molecular diagnostics
- Evaluate the precision and clinical utility of each diagnostic technique

tech 22 | Teaching Objectives

Module 4. Main Respiratory Allergic Diseases. Epidemiology, Diagnosis, and Treatment

- Analyze the epidemiology of respiratory allergic diseases
- Identify the clinical symptoms and signs of asthma and allergic rhinitis
- Apply treatment strategies based on immunotherapy and biological drugs
- Evaluate the relationship between environmental exposure and the exacerbation of respiratory symptoms

Module 5. Allergy-Related Skin Diseases

- Identify the main cutaneous manifestations of allergic origin
- · Analyze the pathophysiological mechanisms of atopic dermatitis and chronic urticaria
- Apply innovative therapeutic strategies for managing these conditions
- Evaluate the effectiveness of treatments based on patient characteristics

Module 6. Immunodeficiencies in Allergology: Diagnostics and Treatments

- Understand the relationship between immunodeficiencies and allergic diseases
- Identify the clinical signs that suggest the presence of a primary immunodeficiency
- Apply differential diagnostic strategies for patients with suspected immunodeficiency
- Evaluate current treatments and their impact on the patient's quality of life

Module 7. Food Allergies. Epidemiology, Diagnosis, and Treatment

- Analyze the epidemiology of food allergies in different populations
- Identify the main foods that trigger severe allergic reactions
- Apply diagnostic protocols and controlled challenge tests
- Evaluate immunotherapy strategies and preventive measures for food allergy patients

Module 8. Main Pharmacological Groups Causing Allergic Pathology

- Identify drugs with high allergenic potential and their mechanisms of action
- Analyze adverse reactions mediated by the immune system
- Apply diagnostic strategies and drug desensitization protocols
- Evaluate safe therapeutic alternatives for patients with a history of allergic reactions

Module 9. Hymenoptera Allergy. Classification and Taxonomy

- Identify the hymenopteran species with the most clinical relevance in Allergology
- Analyze the pathophysiology of allergic reactions to insect stings
- Apply diagnostic strategies and risk assessment in sensitized patients
- Evaluate the effectiveness of specific immunotherapy in hymenopteran allergy



Module 10. Future Allergology. Research. Food Immunotherapy and Drug Desensitization

- Explore current and future trends in the treatment of Allergic Diseases
- Analyze the role of food immunotherapy in the desensitization of allergic patients
- Evaluate the impact of Big Data and artificial intelligence in Allergology research
- Apply innovative tools in the identification and management of emerging allergies

Module 11. The Author's Professional Experience in the Diagnosis and Treatment of Allergic Diseases

- Analyze real clinical cases to reinforce practical learning in Allergology
- Evaluate the progression and treatment response of patients with complex allergic diseases
- Apply therapeutic strategies based on clinical experience and scientific evidence
- Integrate practical learnings into decision-making to optimize patient care

Module 12. Miscellaneous

- Explore complementary topics of interest in the field of Allergology
- Evaluate new research directions and their application in clinical practice
- Analyze innovative therapeutic approaches in emerging allergic pathologies
- Integrate cross-disciplinary knowledge to improve comprehensive patient care





tech 26 | Internship

The practical training period of this university program in Allergology includes an intensive three-week stay at a leading healthcare institution, with Monday-to-Friday full-day shifts of 8 continuous hours, under the direct supervision of a specialist in the field. This phase will allow the professional to join a real clinical environment, interact with highly qualified teams, and apply up-to-date knowledge in managing complex allergic conditions

In this training proposal, each activity is designed to strengthen and refine the key competencies required for specialized practice in this field. In this way, the professional profile will be enhanced, driving a strong, efficient, and highly competitive performance

The university program thus consolidates itself as a unique opportunity to specialize in an advanced healthcare setting, where it will be possible to integrate diagnostic and therapeutic procedures specific to Allergology in real and highly equipped scenarios. This practical dynamic will foster the further consolidation of skills, elevating the professional's preparation to the level required by the current challenges of specialized medicine

The practical teaching will be carried out with the accompaniment and guidance of the professors and other fellow trainees who will facilitate teamwork and multidisciplinary integration as transversal competencies for medical practice (learning to be and learning to relate)

The procedures described below will be the basis of the specialization, and their realization will be subject to the center's own availability, its usual activity and workload, the proposed activities being the following:







Module	Practical Activity		
Study of Panallergen and Its Impact on Allergic Disorders	Identify the different types of allergens and their classification based on origin		
	Analyze the concept of panallergen and its implication in cross-reactivity		
	Evaluate the available methods for the detection and quantification of allergens in the environment		
	Apply effective prevention and control strategies to allergen exposure		
Application and Interpretation of Diagnostic Techniques in Allergic Diseases	Describe the main skin and serological tests used in Allergology		
	Interpret the results of diagnostic studies in allergic diseases		
	Apply advanced tools such as flow cytometry and molecular diagnostics		
	Evaluate the precision and clinical utility of the available diagnostic techniques		
Identification and Clinical Management of Immunodeficiencies in Allergology	Understand the relationship between immunodeficiencies and the development of allergic diseases		
	Identify the clinical signs indicative of a possible primary immunodeficiency		
	Apply differential diagnostic strategies in cases with suspected immunological causes		
	Evaluate the available treatments and their impact on the patient's quality of life		
Analysis of Pharmacological Groups Involved in Allergic Reactions	Identify drugs with high allergenic potential and their mechanisms of action		
	Analyze adverse reactions mediated by the immune system		
	Apply diagnostic strategies and desensitization protocols for medications		
	Evaluate safe therapeutic alternatives for patients with a history of hypersensitivity		



Civil Liability Insurance

The university's main concern is to guarantee the safety of the interns, other collaborating professionals involved in the internship process at the center. 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, the university commits to purchasing a civil liability insurance policy to cover any eventuality that may arise during the stay at the internship center. To this end, the university undertakes to contract liability insurance that will cover any eventuality that may arise during the internship period at the placement 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 agreement for the program are as follows:

- 1. TUTOR: During the Hybrid Master's Degree, students will be assigned 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 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, five 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 student does not show up on the start date of the Hybrid 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 complete the Hybrid Master's Degree will receive a diploma accrediting their attendance at the institution
- **5. EMPLOYMENT RELATIONSHIP:** The Hybrid 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 completion of the Hybrid Master's Degree. In these cases, it will be necessary to submit it to the internship department at TECH Global University for confirmation of the assignment to the selected center
- 7. DOES NOT INCLUDE: The Hybrid 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





tech 32 | Internship Centers

The student will be able to complete the practical part of this Hybrid Master's Degree at the following centers:







UDAM (Unidad Diagnostico de Alergia Medicamentosa) Clínica Corachan

Country City
Spain Barcelona

Address: Clínica Corachan, Carrer de les Tres Torres 7, 08017 Barcelona

Medical Society, which treats allergic patients in all their conditions

Related internship programs:

- Allergology



UDAM (Unidad Diagnostico de Alergia Medicamentosa) Hospital Cima

Country Spain City Barcelona

Address: Hospital CIMA, Passeig Manuel Girona 33, 08034 Barcelona

Medical Society, which treats allergic patients in all their conditions

Related internship programs:

- Allergology



UDAM (Unidad Diagnostico de Alergia Medicamentosa) Hospital General de Catalunya

Country

City

Spain

Barcelona

Address: Hospital General de Catalunya, Calle Pedro i Pons 1, 08174 Sant Cugat del Vallès

Medical Society, which treats allergic patients in all their conditions

Related internship programs:

- Allergology



UDAM (Unidad Diagnostico de Alergia Medicamentosa) Hospital Quironsalud del Vallès

Country

City

Spain Barcelona

Address: Hospital Quirónsalud del Vallès, Passeig Rubió i Ors 23, 08208 Sabadell

Medical Society, which treats allergic patients in all their conditions

Related internship programs:

- Allergology



UDAM (Unidad Diagnostico de Alergia Medicamentosa) Hospital Universitari Sagrat Cor

Country City
Spain Barcelona

Address: Hospital Universitari Sagrat Cor, Calle París 83, 08029 Barcelona

Medical Society, which treats allergic patients in all their conditions

Related internship programs:

- Allergology



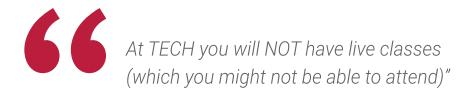


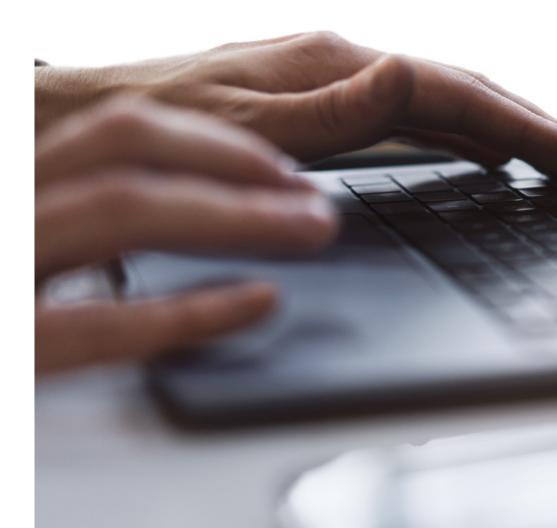
The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.







The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.



TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want"

tech 38 | Study Methodology

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.



tech 40 | Study Methodology

A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule"

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 assess 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.

Study Methodology | 41 tech

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.

tech 42 | Study Methodology

As such, the best educational materials, thoroughly prepared, will be available in this program:



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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Practicing Skills and Abilities

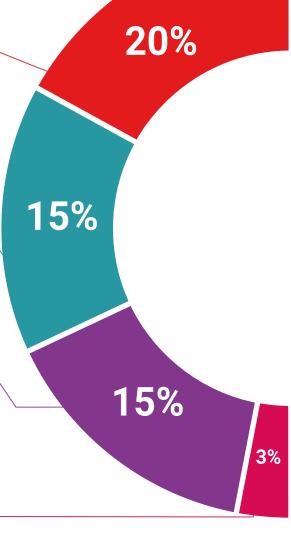
You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



Interactive Summaries

We present 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, international guides... In our virtual library you will have access to everything you need to complete your education.

Study Methodology | 43 tech



Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.



Testing & Retesting

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

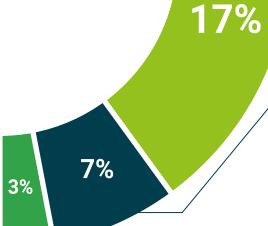




Quick Action Guides

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.





08 **Teaching Staff**

The teaching team for this university program in Allergology is composed of professionals with extensive experience in the clinical management of Allergic Conditions and the development of specialized knowledge in this field. In fact, their expertise spans both direct patient care for complex cases and participation in research focused on new diagnostic tools and emerging therapies. They have worked in reference clinical settings, which has enabled them to integrate updated approaches and cuttingedge techniques into clinical practice



International Guest Director

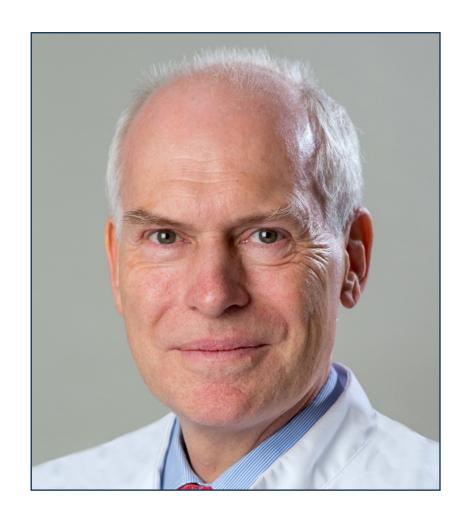
Dr. Torsten Zuberbier's outstanding professional and research career has left an indelible mark on the medical management of allergic diseases. The expert's healthcare competencies and prestige have enabled him to serve for almost two decades as President of the Foundation of the European Center for Allergy Research

He also holds the main management positions at the Institute for Allergy Research at the Charité Berlin University and at the Fraunhofer Institute for Translational Medicine and Pharmacology, together with Professor Marcus Maurer

On the other hand, his clinical work focuses on Urticaria, Neurodermatitis, Respiratory and Food Allergies and Allergic Rhinitis. However, his research and experimental work has been devoted to Mast Cell Biology, Mastocytosis and Atopic Dermatitis. Specifically, his studies have delved into the interaction of these immune cells with tissue-type cells. In this way, through a three-dimensional skin model, he has examined the close relationship between these processes and the development of other pathologies such as Eczema and Epidermal Neoplasia

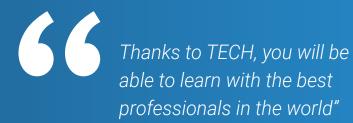
In this regard, this expert has numerous academic articles in scientific journals of global impact. He is Deputy Editor of the Journal of the German Dermatological Society and a member of the Advisory Board of the Allergo Journal. In these publications, the specialist has also disclosed his views on the relevance of Translational Medicine and the importance of accelerating the applied integration of the latest scientific knowledge

In addition to this work, Dr. Zuberbier is President of the Global Allergy and Asthma Network of Excellence (GA²LEN), initiated by the European Union. He has also been Director General of the Dermatology, Venereology and Allergology Clinic of the Charité and has led the Allergie-Centrum-Charité of the Berlin-Mitte Dermatology Clinic



Dr. Zuberbier, Torsten

- Director of the Allergology Research Institute of the Charité Berlin University, Germany
- Co-Director of the Fraunhofer Institute for Translational Medicine and Pharmacology
- President of the Foundation of the European Center for Allergy Research
- Chairman of the Global Allergy and Asthma Excellence Network (GA²LEN)
- Co-Director General of the Clinic of Dermatology, Venereology and Allergology of the Charité
- Director of the Allergie-Centrum-Charité of the Dermatology Clinic Berlin-Mitte
- Head Physician for Dermatology at the Virchow Clinic in Berlin
- Honorary Doctorate of the University of Athens
- Specialist in Dermatology at the University of Perth Australia
- Medical Degree at the Freie University of Berlin



Management



Dr. Fernández Nieto, María del Mar

- Specialist in Allergology at the High Complexity Asthma Unit of the Jiménez Díaz Foundation University Hospital
- Collaborating Professor in the Department of Internal Medicine at Rey Juan Carlos University
- Member of: CIBERES, MEGA, SEAIC, NeumoMadrid, SEPAR, ERS, and EAACI

Faculty

Dr. Arochena González, Lourdes

- Attending Physician of the Allergology Department at Jiménez Díaz Foundation
- Medical Specialist in Allergology in Sanitas
- Medical Specialist in Allergology at the University Hospital of South Manchester (England)
- Bachelor of Medicine from the Complutense University of Madrid
- Member of: SEAIC, EAACI, AAAAI and ERS

Dr. Gómez Cardeñosa, Aída

- Physician specializing in Allergology
- Assistant Physician of the Allergy Service at the Jimenez Diaz University Hospital Foundation
- Medical Advisor at LETI Pharma
- Bachelor's Degree in Medicine from the Complutense University of Madrid
- Collaborating reviser for the Journal of Investigational Allergology and Clinical Immunology
- Member of: Multidisciplinary Asthma Unit at the Jiménez Díaz Foundation University Hospital and the Spanish Society of Allergology and Clinical Immunology (SEAIC)

Dr. Acevedo Caballero, Nathalie

- Immunologist and researcher
- Investigator of the Institute of Immunological Research
- PhD in Medical Sciences, Karolinska Institute
- Degree in Medicine from the University of Cartagena

Dr. Jara, Pamela Fracesca

- Allergology Specialist at the Jiménez Díaz Foundation University Hospital
- Member of the Medical Association of Rhineland-Westphalia Germany
- PhD in Medicine and Surgery from the Autonomous University of Madrid
- Bachelor's Degree in Medicine and Surgery from the National University of San Agustín.

 Peru
- Member of: European Academy of Allergology and Clinical Immunology, Medical
 Association of North Rhine, Allergy and Clinical Immunology Society of Madrid-Castilla La
 Mancha, Madrid and Castilla-La Mancha Society of Allergology and Clinical Immunology

Dr. Dávila Fernández, Galicia

- Adjunct Physician in the Allergy Service at the University Hospital of Henares
- Training and Education Coordinator at the University Hospital of Henares
- Associate Professor (PAC) of the Francisco de Vitoria University. Madrid
- Member of: Spanish Society of Allergology and Clinical Immunology (SEAIC) and the SEAIC Drug Allergy Committee

Dr. Rojas Pérez-Ezquerra, Patricia

- Doctor Specialist in Allergology, Gregorio Marañón General University Hospital
- Specialist in Allergology at Medical Writers 5.0
- Allergy Specialist at the Central Hospital of the Red Cross San José and Santa Adela
- Specialist in Allergology at the Alcorcón Foundation University Hospital
- Master's Degree in Clinical Management, Medical and Healthcare Management from the CEU Cardenal Herrera University
- MIR in Allergology at Gregorio Marañón General University Hospital
- Member of: SEAIC

Dr. Seoane Reula, Elena

- Head of the Immunodeficiency Service at the Gregorio Marañón Maternity and Children's Hospital
- Doctor Specialist in Immunology, Gregorio Marañón Maternal and Child Hospital
- AEDIP Medical Advisor
- Allergology Attending Physician, Infanta Leonor Hospital University
- Specialist in Allergology at the 12 de Octubre University Hospital
- Medical collaborator at the John Radcliffe Hospital associated with the University of Oxford
- PhD in Medicine and Surgery from the University of Cadiz
- Master's Degree in Pediatrics from the University of San Jorge. Zaragoza
- Member of: AEDIP, SEAIC, SEICAP, GISEI and ESID





tech 52 | Certificate

This private qualification will allow you to obtain a diploma for the **Hybrid Master's Degree in Allergology** endorsed by TECH Global University, the world's largest online university.

TECH Global University, is an official European University publicly recognized by the Government of Andorra (official bulletin). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

Mr./Ms. ______ with identification document ______ has successfully passed and obtained the title of:

Hybrid Master's Degree in Allergology

This is a private qualification of 1,920 hours of duration equivalent to 64 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: Hybrid Master's Degree in Allergology

Modality: online

Duration: 12 months

Accreditation: 60 + 4 ECTS



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



Hybrid Master's Degree

Allergology

Modality: Hybrid (Online + Internship)

Duration: 12 months

Certificate: TECH Global University

Credits: 60 + 4 ECTS

