

# Professional Master's Degree

## Dermatological Pharmaceutical Care in Community Pharmacies

Endorsed by:

A background photograph showing a close-up of a pharmacist's hands. One hand is holding a white plastic tube of pink cream, and the other is holding a patient's hand, applying the cream. The pharmacist is wearing a dark jacket. The background is blurred, showing a pharmacy setting.

**tech** technological  
university



## Professional Master's Degree Dermatological Pharmaceutical Care in Community Pharmacy

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/pharmacy/professional-master-degree/master-dermatological-pharmaceutical-care-community-pharmacies](http://www.techtute.com/us/pharmacy/professional-master-degree/master-dermatological-pharmaceutical-care-community-pharmacies)

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01

# Introduction

The skin is the human body's largest organ. It also represents a large part of our image in the eyes of others. In fact, skin consultations are one of the most common primary care consultations. In this sense, community pharmacies often become the first step in the chain of care for patients with dermatological problems.

*This program will generate a sense of confidence when performing clinical practice, which will help you to grow personally and professionally.*



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*Improve your knowledge in Dermatological Pharmaceutical Care in Community Pharmacies through this program, where you will find the best educational material with real clinical cases. Find out about the latest advances in the speciality here, in order to be able to carry out quality clinical practice"*

On many occasions, when patients are faced with dermatological problems, they often go to the pharmacy for advice before turning to their general physician or directly to a dermatologist.

The education received by pharmacists on dermatology in Pharmacy degrees is limited for the subsequent practice in the Community Pharmacy, so it is important to complement this education with a more focused specialization in pharmacotherapy and all the products that are used in the prevention and treatment of dermatological pathologies and that are marketed under different types of registrations: cosmetics, nutritional supplements and medical devices.

The community pharmacist, the health professional closest to the population, plays a fundamental role in the management and prevention of common minor skin problems.

The need for this program is based on the widespread ignorance of dermatological pathologies, to which patients tend to attach less importance than to other ailments, erroneously imbued with the belief that skin care should be limited to photoprotection. This lack of skin care is both a challenge and an opportunity for the community pharmacist.

Therefore, in order to meet this demand for care and to attend to patients with these health problems when necessary and to know when to refer them to a physician, it is essential for the community pharmacist to update and complete their expertise of dermatological pathologies, as well as the equipment that is used.

This program is made up of several modules developed by a team of community pharmacists belonging to the Spanish Society of Family and Community Pharmacy (SEFAC), leaders in each subject matter. These units include an up-to-date review of how to treat most of the dermatological pathologies that can reach a Community Pharmacy, some of them agreed with medical scientific societies.

This **Professional Master's Degree in Dermatological Pharmaceutical Care in Community Pharmacies** contains the most complete and up to date scientific program on the market. The most important features of the program include:

- ◆ More than 50 clinical cases presented by experts in Dermatological Pharmaceutical Care in Community Pharmacies
- ◆ 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
- ◆ Contains practical exercises where the self-evaluation process can be carried out to improve learning
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ◆ Special emphasis on evidence-based medicine and research methodologies in Dermatological Pharmaceutical Care in Community Pharmacies
- ◆ 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



*Update your knowledge through the Professional Master's Degree in Dermatological Pharmaceutical Care in Community Pharmacies"*

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*This Professional Master's Degree may be the best investment you can make in the selection of a refresher program, for two reasons: in addition to updating your knowledge in Dermatological Pharmaceutical Care in Community Pharmacies, you will obtain a degree from TECH Technological University"*

Its teaching staff includes professionals belonging to the field of Dermatological Pharmaceutical Care in Community Pharmacies who contribute their work experience to this education, as well as renowned specialists belonging to leading scientific societies.

Thanks to its multimedia content developed with the latest educational technology, it will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to train in real situations.

The design of this program is based on Problem-Based Learning, by means of which the health professional must try to solve the different professional practice situations that arise throughout the course. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced Community Pharmacy experts.

*Increase your confidence in decision making by updating your knowledge through this program.*

*Take the opportunity to learn about the latest advances in Dermatological Pharmaceutical Care in Community Pharmacies and improve your customer care.*



# 02 Objectives

The program is designed to offer a complete, detailed and up-to-date vision of Dermatological Pharmaceutical Care in Community Pharmacies as a key element in the care and follow-up of the pharmacy user.







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*This program is designed to update your knowledge in Dermatological Pharmaceutical Care in Community Pharmacies, with the use of the latest educational technology, to contribute with quality and safety to the decision-making process in the implementation of Professional Pharmaceutical Services"*



## General Objectives

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- ◆ Update and reinforce the knowledge of dermatology that is necessary to perform a correct pharmaceutical care for community pharmacy customers
- ◆ Provide community pharmacists with the necessary tools and guidelines to deal efficiently with different dermatological pathologies
- ◆ Strengthen the role of community pharmacists in the treatment of these pathologies
- ◆ Identify the role of drugs, cosmetics, biocides and medical devices in the prevention and treatment of dermatological pathologies
- ◆ Recognize referral cases to pharmacists

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*A unique specialization program that will allow you to acquire superior knowledge and skills to develop in this field”*





## Specific Objectives

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### Module 1. Basic Concepts in Dermatology

- ♦ A reminder of basic terminological concepts related to dermatology for the correct approach to the rest of the topics
- ♦ Delve into the anatomy of the skin and its aging, approaching the cell cycle in order to understand the pathophysiology of dermatological diseases
- ♦ Understand the processes that determine skin aging
- ♦ Analyze the different skin phototypes of patients
- ♦ Differentiate between drug, cosmetic, food preparation and medical products

### Module 2. Most Common Dermatological Pathologies: Drugs and Medical Devices used in Prevention and Treatment. Action Protocols Physician Referral Cases

- ♦ Update knowledge on the different pathologies that can be consulted in the Community Pharmacy, analyzing the different existing therapeutic approaches, both for their treatment and prevention
- ♦ Develop a proposal of action protocols for each pathology described
- ♦ Define what is known as sensitive or reactive skin
- ♦ Analyze the different types of acne, and which ones we can address from the community pharmacy
- ♦ Delve into the study of alopecia, the differential characteristics between men and women and its evolution
- ♦ Approach the study of xerosis from a dermatological point of view, analyzing which diseases or treatments most commonly produce it, and what symptoms they present
- ♦ Differentiate existing treatments for hyperhidrosis

- ♦ Analyze the different types of dermatitis, their characteristics and their particular casuistry
- ♦ Define the different pigmentation transients, their treatment and possible preventive measures
- ♦ Analyze rosacea and its different stages, in order to facilitate its recognition and make a correct indication
- ♦ Delve into the study of psoriasis, addressing all its types and stages, the different existing treatments and preventive measures
- ♦ Address other pathologies with pruritus such as urticaria and angioedema
- ♦ Differentiate between the different existing treatments for scalp desquamative conditions
- ♦ Define less frequent pathologies such as toxicoderma or hydrosadenitis
- ♦ Analyze the different types of skin lesions that can be encountered and how they can be approached by the community pharmacy
- ♦ Study the different types of pathogens that can cause skin infections or infestations
- ♦ List the various dermatological pathologies caused by pathogenic agents
- ♦ Address the different pathologies that may appear in the oral cavity
- ♦ Update the different treatments used in nail and adnexa conditions

**Module 3. Other Dermatological Pathologies: Drugs and Medical Devices used in Prevention and Treatment. Action Protocols Physician Referral Cases**

- ♦ Study the less frequent but increasingly consulted pathologies such as those derived from connective tissue diseases, oncologic diseases, oncologic treatments or chronic diseases in depth
- ♦ Recommend preventive measures for connective tissue diseases and those derived from oncological treatments and chronic diseases
- ♦ Differentiate between products used for prevention and those used in the treatment of these conditions (connective tissue, oncological treatments and chronic diseases)

**Module 4. Dermatology and Nutraceuticals**

- ♦ Define skin care at different stages of life
- ♦ Explore the study of solar photoprotection
- ♦ Differentiate the types of filters and their indication according to phototypes
- ♦ Make users aware of the importance of photoprotection
- ♦ Know the main photosensitizing drugs
- ♦ Present the importance and uses of corrective dermocosmetics in dermatological conditions
- ♦ Analyze the different uses and benefits of nutraceuticals in dermatology

**Module 5. Biocides: Antiseptics and Disinfectants**

- ♦ Differentiate between antiseptics and disinfectants and their different uses and spectrums of action
- ♦ List the different dermatological applications of antiseptics





### **Module 6. Magistral Formulation and Cosmetics**

- ◆ Understand the importance of magistral formulation in dermatology
- ◆ Address the existing legislation on magistral formulation and cosmetics in community pharmacies
- ◆ Analyze the importance of active ingredients and excipients in magistral formulation as well as the INCI nomenclature in cosmetics
- ◆ Differentiate between ointments, emulsions, creams, unguents, pastes, gels, foams, solutions and suspensions
- ◆ Update knowledge on new pharmaceutical forms and vehicles in magistral formulation
- ◆ Learn to choose the most suitable pharmaceutical products and excipients for each dermatological pathology
- ◆ Choose among the different formulations marketed for each type of pathology and skin

### **Module 7. Support Tools**

- ◆ List the different devices that can be used in community pharmacies in relation to dermatology
- ◆ Develop the main concepts of service marketing in relation to dermatology
- ◆ Relate the families of the different products marketed in community pharmacies for the prevention and treatment of dermatological pathologies
- ◆ Manage the demand for dermatological consultations and their personalized attention.
- ◆ Present the different sources of information necessary to resolve dermatological consultations
- ◆ Differentiate between the different existing professional services related to dermatology
- ◆ Analyze the care needs of patients according to their dermatological pathology
- ◆ Present the different communication channels, pharmacist-patient, pharmacist-physician, and the importance of each one
- ◆ Recognize different ways of research in dermatology from the perspective of community pharmacies

# 03 Skills

After passing the program evaluations, the pharmacist will have acquired the professional competencies necessary for a quality and up to date practice based on the latest scientific evidence.



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*With this program you will be able to master the new procedures in the implementation of Dermatological Pharmaceutical Care in the community Pharmacies"*



## General Skills

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- ◆ Understand knowledge in such a way as to be able to generate issues or questions that are amenable to research
- ◆ Know how to apply knowledge with the ability to solve cases and problems in situations of daily practice
- ◆ Acquire the ability to communicate your findings clearly and unambiguously to patients and families
- ◆ Acquire the ability to clearly and concisely convey your knowledge in pharmaceutical counseling or discussions with colleagues
- ◆ Acquire the ability to continue training autonomously







## Specific Skills

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- ♦ Define the basic principles of dermatological compounding in Community Pharmacies
- ♦ Describe the dermatological cosmetology processes to be carried out in Community Pharmacies
- ♦ Define the basic legislation and regulations in the field of pharmaceutical formulation and cosmetology
- ♦ Apply the legal principles governing pharmacovigilance and cosmetovigilance
- ♦ Explain the implementation of those professional pharmaceutical care services related to dermatology in Community Pharmacies
- ♦ Define the main protocols of action for the different dermatological pathologies
- ♦ Implement the protocol for referral to other professionals if necessary
- ♦ Apply those medications and medical devices used in the prevention of dermatological pathology
- ♦ Review the different skin cares in the different stages of life adapting the advice and prevention to each specific case
- ♦ Review anatomical, physiological and biochemical concepts related to the skin and appendages
- ♦ Adapt pharmaceutical advice to the level, age and condition of the patient-client
- ♦ Identify risk factors for dermatological pathology and offer appropriate advice



*Take advantage of the opportunity and take the step to get up to date on the latest developments in Dermatological Pharmaceutical Care in Community Pharmacies”*

04

# Course Management

The program includes renowned specialists in Community Pharmacy among its teaching staff, who bring their work experience to this training. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.





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*Learn from reference professionals,  
the latest advances in the field of  
Dermatological Pharmaceutical  
Care in Community Pharmacies”*

## Management



### Ms. González Hernández, Paola

- ♦ Community Pharmacist at Repilado Pharmacy. Madrid
- ♦ Former Coordinator of the Dermatology Group of SEFAC
- ♦ Graduate in Pharmacy from the Complutense University of Madrid
- ♦ Master's Degree in Pharmaceutical Care from the Complutense University of Madrid
- ♦ Master's Degree in Dietetics and Diet Therapy from the University of Valencia
- ♦ Associate Professor in the Professional Master's Degree in Pharmaceutical Care at CEU Madrid

## Professors

### Ms. Herrerías Esteban, Gema

- ♦ Sevilla – SEFAC
- ♦ Graduate in Pharmacy (University of Seville)
- ♦ Professional Master's Degree in Pharmacy Office Management
- ♦ Postgraduate Diploma in nutrition and dietetics
- ♦ Member of Dermopharmacy of the CACOF and the COF of Seville
- ♦ Pharmacist, Pharmacy A5

### Ms. Mansilla Sancho, Isabel

- ♦ Málaga – SEFAC
- ♦ Graduate in Pharmacy from the University of Granada
- ♦ Degree in Human Nutrition and Dietetics (Alfonso X el Sabio University).
- ♦ University Expert in Dermocosmetics (UNIR)
- ♦ Expert in Orthopedics (U.Granada)
- ♦ Assistant Pharmacist Castro Jaen Pharmacy

**Ms. Chamorro Galisteo, Concepción**

- ♦ Murcia – AEFF
- ♦ Graduate in Pharmacy from the UGR
- ♦ Degree in Optics, Optometry and Audiology from CEU
- ♦ Expert in Orthopedics, Alcalá de Henares University
- ♦ Expert in Prosthetic Cardiology from ISEP CEU
- ♦ Expert in Prosthetic Audiology ISEP CEU
- ♦ Member of dermopharmacy, sanitary products, galenic and Magistral formulation of the COF in Murcia
- ♦ LASEMI Member
- ♦ Assistant Pharmacist at Chamorro-Galisteo Grand Pharmacy

**Ms. Acero Jiménez, Belén**

- ♦ Community of Madrid - SEFAC
- ♦ Graduate in Pharmacy from the UCM
- ♦ Degree in Human Nutrition and Dietetics from CEU
- ♦ Master's Degree in Pharmaceutical Sciences from UCM
- ♦ Pharmacy Licence-Holder Belén Acero

**Ms. Fernández Cordeiro, Marta**

- ♦ Pontevedra – SEFAC
- ♦ Graduate in Pharmacy (Faculty of Santiago de Compostela)
- ♦ Master's Degree in Dermopharmacy and Cosmetic Formulation (UNIR-Universidad Internacional de la Rioja)
- ♦ University Expert in Dermocosmetics (UNIR)
- ♦ University Expert in Nutrition and Dietetics (UNIR)
- ♦ Assistant Pharmacist José Antonio Fornos Pérez Pharmacy

**Mr. Jiménez Labiag, Luis**

- ♦ Castilla y León - Ávila – AEFF
- ♦ Degree in Pharmacy
- ♦ Specialist Pharmacist FIR in Hospital Pharmacy
- ♦ Member of the Board of Directors and Scientific Advisor of the Spanish Society of Individualized Medicine (LaSEMI)
- ♦ Assistant Pharmacist in Ramón Jiménez Galán Pharmacy

**Ms. Gutiérrez Muñoz, Lucrecia**

- ♦ Community of Madrid - SEFAC
- ♦ Graduate in Pharmacy from the UCM
- ♦ Postgraduate course in Dermocosmetics applied to the Pharmacy Office
- ♦ Collaborator in the training department at the Official College of Pharmacists in Madrid
- ♦ Technical Director of El Boalo Pharmacy

**Ms. Bonnin Sánchez, Teresa**

- ♦ Mallorca – SEFAC
- ♦ Degree in Pharmacy
- ♦ Postgraduate Diploma in Dietetics and Nutrition
- ♦ Professional Master's Degree in Pharmaceutical Care
- ♦ Pharmacy Licence-Holder Bonnin

**Dr. Abellán-G<sup>a</sup> Sánchez, Fernando**

- ♦ SEFAC (Spanish Society of Family and Community Pharmacy)
- ♦ Attorney and Doctor of Forensic Medicine
- ♦ SEFAC Legal Advisor

**Ms. Sánchez Palau, Laura**

- ◆ Barcelona– SEFAC
- ◆ Graduate in Pharmacy (University of Barcelona)
- ◆ Master's Degree in Pharmaceutical Industry and Parapharmacy (CESIF)
- ◆ Master's Degree in Pharmaceutical Care and Welfare Pharmacy (University of Barcelona)
- ◆ Substitute Pharmacist at Pharmacy Tres (Barcelona)

**Ms. Fernández Diez, Elena**

- ◆ Murcia – AEFF
- ◆ Degree in Pharmacy
- ◆ Pharmaceutical Technical Director of Efer Cosmetics Laboratory
- ◆ Associate Professor of Magistral Formulation and Dermocosmetics (UCAM)

**Ms. Gil Alegre, Teresa**

- ◆ Community of Madrid - SEFAC
- ◆ Graduate in Pharmacy from the UCM
- ◆ Assistant Pharmacist, Alegre Pérez Pharmacy
- ◆ COFM Expert

**Ms. González Rodríguez, Alicia**

- ◆ Community of Madrid - SEFAC
- ◆ Graduate in Pharmacy from the UCM
- ◆ Assistant pharmacist at Antonia Hijas Miron Pharmacy

**Mr. González Borrego, Augusto**

- ◆ Sevilla – SEFAC
- ◆ Degree in Pharmacy
- ◆ Master's Degree in Pharmaceutical and Health Care
- ◆ Pharmacy Licence-Holder Olivares



**Ms. González Hernández, Angela**

- ♦ Community of Madrid - SEFAC
- ♦ Degree in Pharmacy from the UCM
- ♦ Assistant Pharmacist at Repilado Pharmacy

**Ms. Vega Calzada, Cristina**

- ♦ Barcelona– SEFAC
- ♦ Graduate in Pharmacy from the UCM
- ♦ Postgraduate in Dermocosmetics from the University of Barcelona
- ♦ Substitute Pharmacist at Ibañez Pharmacy

**Dr Martín Oliveros, Adela**

- ♦ Córdoba – SEFAC
- ♦ Doctor of Pharmacy
- ♦ Graduate in Human Nutrition and Dietetics
- ♦ MBA (IE Business School)
- ♦ Internship Professor at UFV. Pharmacy Licence-Holder Alcaide

**Ms. Messal Mendoza, Vanesa**

- ♦ Community of Madrid - SEFAC
- ♦ Degree in Pharmacy
- ♦ Master's Degree in Pharmaceutical Sciences (UCM)
- ♦ Assistant Pharmacist at J. Sampedro Pharmacy

**Ms. Moreno Fernández, Paqui**

- ♦ Barcelona– SEFAC
- ♦ Graduate in Pharmacy from the University of Barcelona
- ♦ Master's Degree in Pharmaceutical Care by the University of Valencia
- ♦ President SEFAC Catalonia
- ♦ Substitute Pharmacist at Ocata Pharmacy

**Mr. Nogales, Luis Marcos**

- ♦ Castilla y León - Salamanca – AEFF
- ♦ Graduate in Pharmacy from the USAL
- ♦ Master's Degree in Pharmaceutical Industries and Pharmacy (CESIF)
- ♦ Expert in Individualized Drug Formulation (USJ)
- ♦ LASEMI Member
- ♦ Pharmacist license-holder Luis Marcos Pharmacy

**Mr. Ramírez de Diego, Martín**

- ♦ Asturias – AEFF
- ♦ Graduate in Pharmacy University of Barcelona
- ♦ Expert in Magistral Formulation (USJ)
- ♦ Co-owner Ramírez de Diego Pharmacy

**Ms. Rico González, Verónica**

- ♦ Community of Madrid - SEFAC
- ♦ Graduate in Pharmacy from the UCM
- ♦ Master's Degree in Food Quality from Camilo José Cela University
- ♦ Assistant Pharmacist at Repilado Pharmacy

**Ms. Ruiz Vázquez, Ángeles**

- ♦ Community of Madrid - SEFAC
- ♦ Degree in Pharmacy
- ♦ Master's Degree in Radiopharmaceutical Sciences in Nuclear Medicine
- ♦ Specialist in Drug Determination
- ♦ Master's Degree in Digital Marketing and Communication
- ♦ Member of SEFAC Madrid
- ♦ Assistant Pharmacist at Leganés Pharmacy

05

# Structure and Content

The structure of the contents has been designed by a team of professionals from the best research centers and universities, aware of the current relevance of training to use drugs safely and with a solid scientific basis based on evidence, and committed to quality teaching through new educational technologies.







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*This Professional Master's Degree in Dermatological Pharmaceutical Care in Community Pharmacies contains the most complete and up to date scientific program on the market”*

## Module 1. Update on Dermatology in Community Pharmacies

- 1.1. Introduction
- 1.2. Anatomy
  - 1.2.1. Skin
  - 1.2.2. Skin Appendages
- 1.3. Cellular Cycle
- 1.4. Skin Biochemistry
  - 1.4.1. Aging
- 1.5. Skin Phototypes
- 1.6. Terminology
  - 1.6.1. Dermatology
  - 1.6.2. Dermocosmetics
  - 1.6.3. Dermopharmacy
  - 1.6.4. Cosmetics
  - 1.6.5. Nutraceuticals
  - 1.6.6. Medical Devices

## Module 2. Most Common Dermatological Pathologies: Drugs and Medical Devices used in Prevention and Treatment. Action Protocols and Referrals to a Physician

- 2.1. Sensitive and Reactive Skin
- 2.2. Acne
- 2.3. Alopecia
- 2.4. Ichthyosis
- 2.5. Xerosis
- 2.6. Hyperhidrosis
- 2.7. Seborrheic Dermatitis
- 2.8. Atopic Dermatitis
- 2.9. Contact Dermatitis
- 2.10. Pigmentation Disorders
  - 2.10.1. Hyperpigmentation
  - 2.10.2. Hypopigmentation

- 2.11. Rosacea
- 2.12. Psoriasis
- 2.13. Pruritus
- 2.14. Urticaria and Angioedema
- 2.15. Scalp Desquamative Conditions
- 2.16. Toxicodermia
- 2.17. Hidradenitis
- 2.18. Skin Lesions
  - 2.18.1. Injuries
  - 2.18.2. Burns
  - 2.18.3. Stings
  - 2.18.4. Hyperkeratosis
- 2.19. Scars
- 2.20. Chronic Wounds
  - 2.20.1. Pressure Ulcers
  - 2.20.2. Ostomies
- 2.21. Skin Infections and Infestations caused by Pathogenic Agents
  - 2.21.1. Bacteria
  - 2.21.2. Virus
  - 2.21.3. Fungi
  - 2.21.4. Parasites
- 2.22. Sexually Transmitted Diseases
- 2.23. Oral Mucosa Infections
  - 2.23.1. Gingivitis
  - 2.23.2. Aphtha
  - 2.23.3. Fungi
- 2.24. Nail and Adnexal Affections

### Module 3. Other Dermatological Pathologies: Drugs and Medical Devices used in Prevention and Treatment. Action Protocols and Referrals to a Physician

- 3.1. Connective Tissue Diseases
  - 3.1.1. Lupus Erythematosus
- 3.2. Connective Tissue Diseases II
  - 3.2.1. Dermatomyositis
  - 3.2.2. Scleroderma
- 3.3. Oncologic Skin Diseases
  - 3.3.1. Actinic Keratosis
  - 3.3.2. Melanoma
- 3.4. Oncologic Skin Diseases II
  - 3.4.1. Sarcomas
  - 3.4.2. Cutaneous Lymphomas
  - 3.4.3. Merkel Cell Carcinoma
- 3.5. Dermatological Conditions Derived from Oncological Treatments
  - 3.5.1. Radiotherapy
  - 3.5.2. Chemotherapy
- 3.6. Dermatological Conditions derived from Chronic Processes
  - 3.6.1. Diabetes
  - 3.6.2. Kidney Diseases
  - 3.6.3. Liver Diseases
  - 3.6.4. Vascular Diseases
  - 3.6.5. Infectious Diseases

### Module 4. Dermatology and Nutraceuticals

- 4.1. Care of the Skin in the Different Stages of Life: Neonatal, Pediatric, Adolescent, Adult, Geriatric, Pregnancy
  - 4.1.1. Neonatal
  - 4.1.2. Paediatric
  - 4.1.3. Adolescent
  - 4.1.4. Adult
  - 4.1.5. Geriatric
  - 4.1.6. Pregnancy
- 4.2. Sun Protection Solar Radiation, Types of Sunscreens, Sun Protection Factors
  - 4.2.1. Solar Radiation
  - 4.2.2. Types of Sunscreens
  - 4.2.3. Sun Protection Factors
- 4.3. Sun Protection in Dermatological Pathologies, Sun Protection in Different Stages
- 4.4. Photosensitizing Drugs
- 4.5. Corrective Dermocosmetics for Dermatological Conditions
- 4.6. Nutraceuticals

### Module 5. Biocides: Antiseptics and Disinfectants

- 5.1. Introduction
- 5.2. Disinfectants: Concepts, Classification
  - 5.2.1. Concept
  - 5.2.2. Classification
- 5.3. Antiseptics: Concept, Classification, Selection Criteria
  - 5.3.1. Concept
  - 5.3.2. Classification
  - 5.3.3. Selection Criteria

## Module 6. Magistral Formulation and Cosmetics in Dermatology

- 6.1. Introduction
- 6.2. Legislation, Registration and Documentation
  - 6.2.1. Records
  - 6.2.2. Documentation
- 6.3. Most Commonly Used Active Ingredients in Dermatology
- 6.4. Most Commonly Used Excipients in Dermatology
- 6.5. INCI Cosmetic Ingredients
  - 6.5.1. INCI
- 6.6. Pharmaceutical Forms and New Vehicles in Magistral Formulation
- 6.7. Formulation Design
- 6.8. Selection of the Different Pharmaceutical Forms and Excipients for Each Type of Skin



## Module 7. Professional Pharmaceutical Services Related to Dermatology Care

- 7.1. Professional Pharmaceutical Services
  - 7.1.1. Dispensing
  - 7.1.2. Indications
  - 7.1.3. Pharmacotherapeutic Monitoring
- 7.2. Tools
  - 7.2.1. Dermoanalyzers
  - 7.2.2. Other Appliances
- 7.3. Services Marketing
- 7.4. Information Sources
  - 7.4.1. Social Media
  - 7.4.2. Webs
  - 7.4.3. Apps
- 7.5. Pharmacist-Patient Communication
  - 7.5.1. Psychological Support for Patients with Dermatologic Diseases
- 7.6. Pharmacist- Physician Communication
- 7.7. Research from the Community Pharmacy

06

# Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **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 be confronted with multiple simulated clinical cases based on real patients, in which they will have to investigate, establish hypotheses and ultimately, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Pharmacists learn better, more quickly 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. Gervas, 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, attempting to recreate the actual conditions in a pharmacist'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. Pharmacists who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their 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.

Our 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, which represent a real revolution with respect to simply studying and analyzing cases.

*Pharmacists will learn through real cases and by solving 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 115,000 pharmacists have been trained with unprecedented success in all clinical specialties, regardless of the surgical load. This pedagogical methodology is developed in a highly demanding environment, with a university student body with a high socioeconomic profile and an average age of 43.5 years.

*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 created specifically for the course by specialist pharmacists who will be teaching the course, so that the didactic development is highly specific and accurate.

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.



### Video Techniques and Procedures

TECH introduces students to the latest techniques, to the latest educational advances, to the forefront of current pharmaceutical care procedures. All of this, first hand, and explained and detailed with precision to contribute to assimilation and a better understanding. And best of all, you can watch them as many times as you want.



### Interactive Summaries

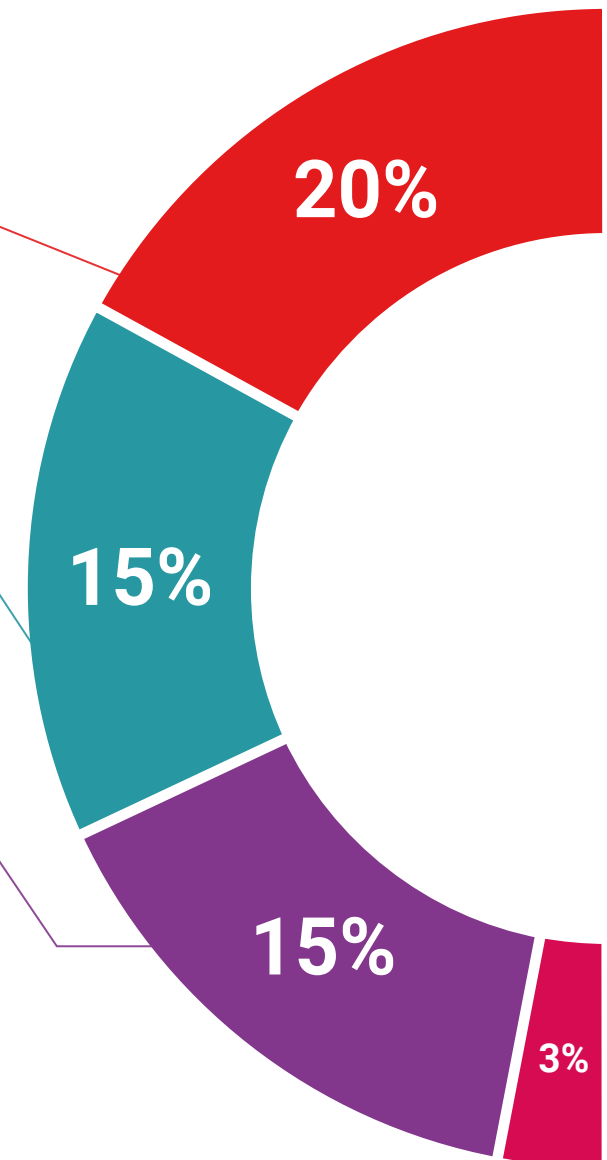
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This unique multimedia content presentation training system 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, we will present you with real case developments in which the expert will guide you through 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.



07

# Certificate

The Professional Master's Degree in Dermatological Pharmaceutical Care in Community Pharmacies guarantees students, in addition to the most rigorous and updated education, access to a Professional Master's Degree issued by TECH Technological University.





“

*Successfully complete this program  
and receive your university degree  
without travel or laborious paperwork”*

This **Professional Master's Degree in Dermatological Pharmaceutical Care in Community Pharmacies** contains the most complete and up to date scientific program on the market.

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

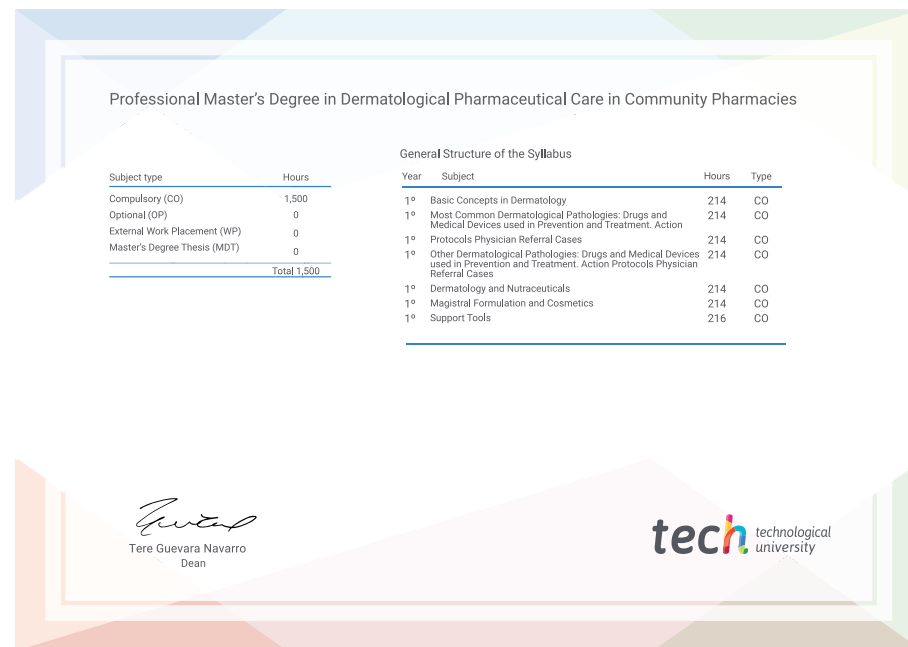
The diploma issued by **TECH Technological University** will express the qualification obtained in the Professional Master's Degree, and meets the requirements commonly demanded by labor exchanges, competitive examinations and career evaluation committees.

Title: **Professional Master's Degree in Dermatological Pharmaceutical Care in Community Pharmacies**

Official N° of hours: **1,500 h.**

Endorsed by:

\*There will be a 30% discount for SEFAC members.



\*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.





**Professional Master's Degree**  
Dermatological Pharmaceutical  
Care in Community Pharmacies

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

# Professional Master's Degree

## Dermatological Pharmaceutical Care in Community Pharmacies

Endorsed by:



**tech** technological  
university