

Postgraduate Diploma

Skin Physiology and Pathology





Postgraduate Diploma Skin Physiology and Pathology

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/pk/pharmacy/postgraduate-diploma/postgraduate-diploma-skin-physiology-pathology

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01

Introduction

The skin plays a crucial role in aesthetic medicine. Numerous treatments and pharmacological advances have an impact on the dermatological pathologies that most concern patients, leading to repeated refresher courses for pharmacists. This program focuses on the most urgent fields of this specialty, covering both the most frequent skin disorders, as well as a deep and current understanding of this organ. The contents have been compiled by an advanced teaching team, with a clear focus on providing modern scientific approaches and the most current pharmacy practice. The format is 100% online, which allows total flexibility without having to attend classes or follow pre-set classes or schedules.



A close-up photograph of a person's face, focusing on the eye and cheek area. The person's eyes are closed, and a white, foamy substance is being applied to their skin. The background is a solid green color.

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Incorporate the latest developments in dermo-aesthetic practice management, corrective dermo-cosmetics and protocols for sensitive skin into your daily practice”

Pharmacists' work in counseling and advising patients is fundamental, since many of them come to the pharmacy as the first point of contact for skin problems or skin esthetics. Pharmacists' level of knowledge is therefore vital to effectively address common dermatological pathologies such as acne, seborrheic dermatitis or alopecia, among many others that are common reasons for consultation.

In addition, research in skin physiology has led to the most advanced development of photosensitizing drugs, nutraceuticals and other particularly relevant products in skin pathology treatment. Enhancing and modernizing knowledge about these advances in turn boosts pharmacists' ability to meet a wide range of demands as quickly and efficiently as possible.

Knowing that pharmacists have a high level of responsibility and that their professional activity is often incompatible with the study of programs such as the one presented here. TECH has promoted a 100% online format for all content. This means that there are neither presential classes nor pre-established schedules, being the pharmacists themselves the ones who decide when, where and how to assume the entire teaching load. The high-quality didactic material provides a reliable update on the most important skin physiology and pathologies in aesthetic pharmacy.

This **Postgraduate Diploma in Skin Physiology and Pathology** contains the most complete and up-to-date scientific program on the market. Its most notable features are:

- ♦ Practical cases presented by experts in Aesthetic Medicine
- ♦ 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
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions for experts and individual reflection work
- ♦ Content that is accessible from any fixed or portable device with an Internet connection

“*Modernize your knowledge with the latest scientific postulates about alopecia, psoriasis, toxicoderma, chronic wounds and more than 20 common dermatological pathologies in Dermo-aesthetic Pharmacy*”

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You will have the flexibility you need to be able to distribute the teaching load according to your own interests, being able to access the didactic material from any device with internet connection"

The program includes, in its teaching staff, professionals from the sector who bring to this program the experience of their work, in addition to recognized specialists from prestigious reference societies and universities.

Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning. In other words, a simulated environment that will provide immersive education programmed to prepare for 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. This will be done with the help of an innovative system of interactive videos made by renowned experts.

The advanced practical and theoretical knowledge you will have access to on Skin Physiology and Pathology will serve to bring you up to date in the most effective way.

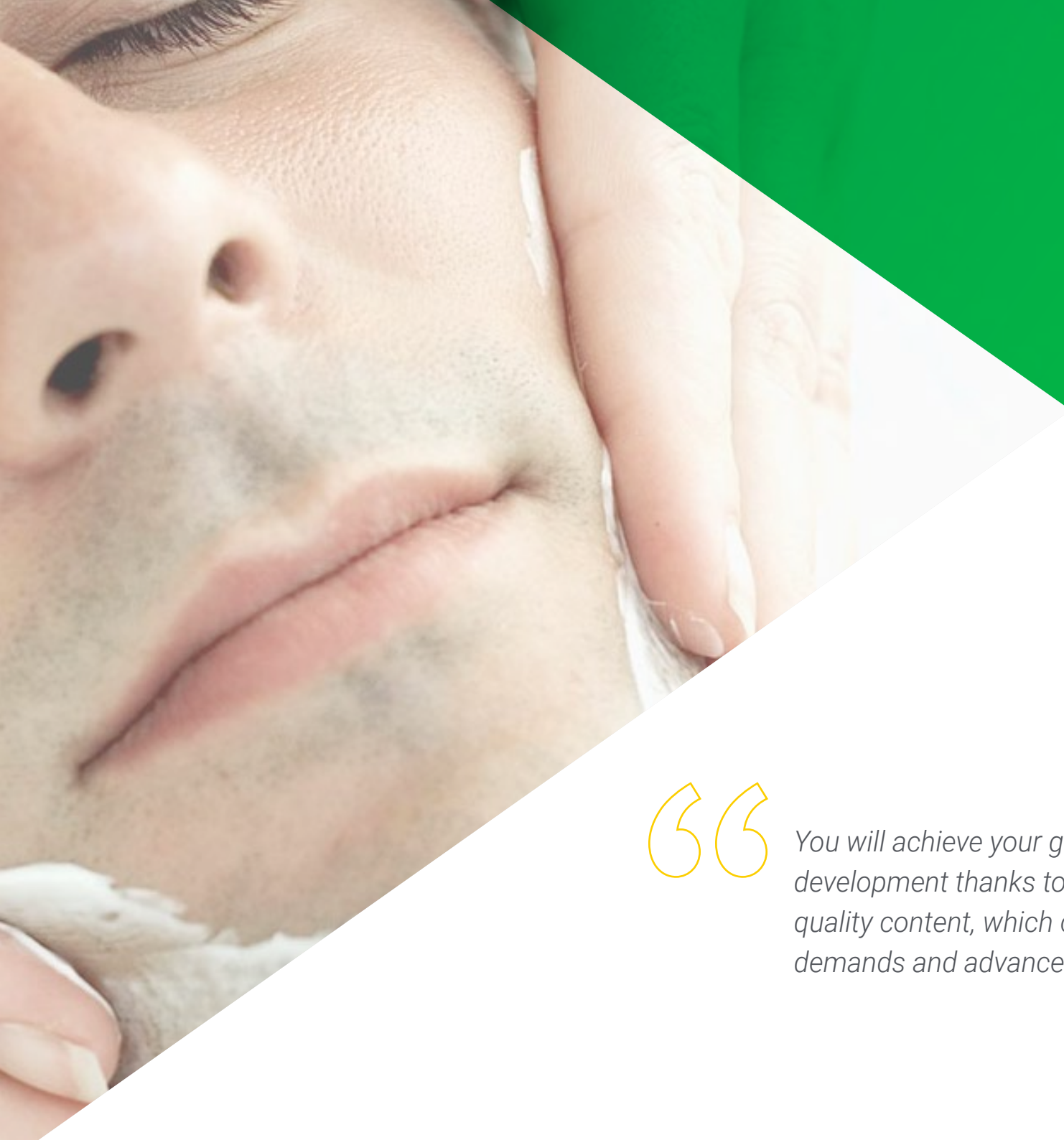
You will be able to expand on each topic taught through numerous detailed videos, real clinical cases and high-quality complementary readings.



02 Objectives

The research advances in skin pathologies have produced numerous positive results over the last few years, so this program aims to present them in a convenient and accessible format for pharmacists. TECH also employs a pedagogical methodology with which pharmacists can begin to incorporate all the knowledge taught into their daily practice even before completing the program, resulting in a much more efficient course.





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You will achieve your goal of professional development thanks to an up-to-date and high-quality content, which covers the most important demands and advances in cutaneous pathology”



General Objectives

- ♦ Acquire the fundamental knowledge of all anti-aging modalities and esthetic treatments, incorporating the necessary tools to perform this specialty in daily practice
- ♦ Comprehensively manage the esthetic patient, being able to make an accurate diagnosis and apply the most appropriate treatment
- ♦ Update and reinforce the knowledge in dermatology necessary for the correct care of esthetic pharmacy patients
- ♦ Offer pharmacists with the necessary tools and guidelines to effectively deal with different dermatological issues
- ♦ Reinforce the role of pharmacists in the treatment of these issues
- ♦ Identify the role of treatments in the prevention and treatment of dermatological pathologies
- ♦ Know the general characteristics of the skin and its anatomy
- ♦ Know how to differentiate and deal with the most common topical pathologies today
- ♦ Know the basic characteristics of dermo-esthetic treatments for the face
- ♦ Know the basic characteristics of dermo-esthetic treatments for the Bodies
- ♦ Discern between the most effective treatments in each case
- ♦ In-depth study of the most effective hair care treatments currently available



Specific Objectives

Module 1. Dermo-Esthetic Pharmacy: New Developments in the Profession

- ♦ Know the basics of dermo-aesthetic pharmacy
- ♦ Know how to structure the organization of the dermo-esthetic pharmacy practice
- ♦ Correctly manage hygienic and sanitary protocols in the dermo-esthetic nutrition clinic
- ♦ Know how to manage sanitary waste
- ♦ Explore the legal aspects that govern health care in dermo-esthetic pharmacy

Module 2. Skin

- ♦ Know the anatomical structures of the skin
- ♦ Explore other areas related to the skin: hair, nails, sebaceous and sweat glands, etc.
- ♦ Analyze the different functions of the skin
- ♦ Know which are the different skin treatments according to the patient's stage of life
- ♦ Delve into the knowledge of the effects of solar radiation on the skin and the different means of photoprotection
- ♦ Learn the different types of Skin
- ♦ Understanding the basics of facial hygiene
- ♦ Know the different moisturizing techniques for the skin

Module 3. Most Common Dermatological Pathologies: Drugs and Medical Devices Used in Prevention and Treatment. Action Protocols and Referrals to a Physician

- ♦ 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 community pharmacies
 - ♦ 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 examine cases of each one
 - ♦ 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 phanera conditions



You will be able to rely on a great technical team made up of specialists committed to your refresher course in Skin Physiology and Pathology"

03

Structure and Content

Pharmacists will have access to the virtual classroom, which will be full of theoretical, scientific, practical and audiovisual content. All this educational material has been prepared by a team of high-level professionals, experts in the most recent developments in Skin Physiology and Pathology, which gives the program a much more contextual practical perspective. In addition, it is not necessary to invest long hours of study hours in the program, as pharmacists will find considerable support in the form of in-detail summaries and videos for each topic covered.





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It delves into the vicissitudes of Dermo-Esthetic Pharmacy, with a clear focus on the skin pathologies that most concern patients today”

Module 1. Dermo - Esthetic Pharmacy: New Developments in the Profession

- 1.1. Dermo-Esthetic Pharmacy: New Developments in the Profession
- 1.2. Terminology: Dermatology, Dermocosmetics, Dermopharmaceutics, Cosmetics, Nutraceuticals, Medical Devices
- 1.3. Diagnosis and Pharmaceutical Records
- 1.4. Hygiene in the Dermo-Esthetics Consultation
- 1.5. Organizing Dermo-Esthetic Consultations
 - 1.5.1. Diary
 - 1.5.2. Technical Resources
 - 1.5.3. Personal Resources
 - 1.5.4. Material and Equipment
 - 1.5.5. Supplies
 - 1.5.6. Management Dermo-Esthetic Consultations
 - 1.5.7. The Ethical-Legal Aspect of Dermo-Esthetic Pharmacy: Code of Ethics and Ethical Problems
 - 1.5.8. Criminal and Civil Liability of Nutritional Personnel
 - 1.5.9. Liability Insurance
 - 1.5.10. Regulations for Opening Health Care Center
- 1.6. The Ethical-Legal Aspect of Dermo-Esthetic Nutrition and Patients' Informed Consents
- 1.7. Urgency in the Dermo-Esthetic Pharmacy Practice
- 1.8. Complications in Dermo-Esthetic Pharmacy

Module 2. Skin

- 2.1. Skin Anatomy and Structure of the Skin
- 2.2. Skin Appendages
 - 2.2.1. Hair
 - 2.2.2. Nails
 - 2.2.3. Sebaceous Glands
 - 2.2.4. Sweat Glands
- 2.3. Functions of the Skin
 - 2.3.1. Protection
 - 2.3.2. Metabolism
 - 2.3.3. Temperature Regulation
 - 2.3.4. Sensory
 - 2.3.5. Excretory
 - 2.3.6. Energy Reserve
- 2.4. Care of the Skin in the Different Stages of Life: Neonatal, Pediatrics, Adolescent, Adult, Geriatric, Pregnancy
 - 2.4.1. Neonatal
 - 2.4.2. Pediatric
 - 2.4.3. Adolescent
 - 2.4.4. Adult
 - 2.4.5. Geriatric
 - 2.4.6. Pregnancy

- 2.5. Embryology of the Skin and Skin Appendages
 - 2.5.1. Skin Development
 - 2.5.2. Hair Development
 - 2.5.3. Nail Development
 - 2.5.4. Skin Gland Development
- 2.6. Skin Types
 - 2.6.1. Density
 - 2.6.2. Skin Emulsion
 - 2.6.3. Skin Phototype
 - 2.6.4. Status
- 2.7. Skin Hygiene
 - 2.7.1. Types of Face and Body Hygiene Treatment
 - 2.7.2. Skin Cleansing
 - 2.7.3. Superficial Cleansing of the Face and Body
 - 2.7.4. Deep Skin Cleansing
 - 2.7.5. Specific Techniques for Deep Skin Cleansing
 - 2.7.6. Facial Cleansing Treatment Steps
 - 2.7.7. Body Cleansing Treatment Steps
 - 2.7.8. Tools and Materials Used in Hygiene Treatments
- 2.8. Skin Hydration
 - 2.8.1. Manual Techniques
 - 2.8.2. Materials and Technical Methods
 - 2.8.3. Specific Cosmetics
 - 2.8.4. Equipment

Module 3. Most Common Dermatological Pathologies: Drugs and Medical Devices Used in Prevention and Treatment. Action Protocols and Referrals to a Physician

- 3.1. Acne
- 3.2. Rosacea
- 3.3. Seborrheic Dermatitis
- 3.4. Atopic Dermatitis
- 3.5. Contact Dermatitis
- 3.6. Pigmentation Disorders: Hyperpigmentation
- 3.7. Pigmentation Disorders: Hypopigmentation
- 3.8. Psoriasis
- 3.9. Skin Infections and Infestations Caused by Pathogenic Agents: Bacteria
- 3.10. Skin Infections and Infestations Caused by Pathogenic Agents: Viruses



The virtual classroom will be available 24 hours a day, and you can even download the material to take a look whenever you want

04

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.



05 Certificate

The Postgraduate Diploma in Skin Physiology and Pathology guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma 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 **Postgraduate Diploma in Skin Physiology and Pathology** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in Skin Physiology and Pathology**

Official N° of hours: **450 h.**



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

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guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present
development language
virtual classroom

tech technological
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