

Postgraduate Certificate

Cosmetic Ingredients





Postgraduate Certificate Cosmetic Ingredients

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/us/medicine/postgraduate-certificate/cosmetic-ingredients



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01

Introduction

The latest scientific advances have shown an improvement in skin disorders and dermatological issues through the use of cosmetics. The use of these products has represented a positive advancement in the health field, emphasizing the proper formulation for each case. The success of the treatments may be attributed to two factors: first, the experience and knowledge of the medical professional, and second, the products they use for proper medical rehabilitation.

However, it is worth noting that these products are studied and tested by the medical professional, who must be acquainted with each of their properties and benefits for a proper formulation. This program will provide updated information to medical professionals in order to update their knowledge based on the ingredients that make up a cosmetic product, allowing them to delve deeper into the dermatology field. All of this in a completely online format, without face-to-face classes or fixed schedules, with the greatest flexibility.



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A 100% online program that will allow you
to take it at your own schedule and without
the need to move to a physical location”

Cosmetics have made a positive contribution to the dermatological field, as their products have gained worldwide recognition for their effectiveness in various skin treatments and skin disorders. As a result, an increasing number of medical professionals are entering this field in search of answers. One of the most common questions is about the composition of cosmetics, what they are made of, and their main ingredients.

These questions will be answered in this Postgraduate Certificate, which will delve into the ingredients that make up each cosmetic product. This will enable health professionals to identify the primary raw materials, the ingredient properties, and their benefits for skin issues. In this way, the professional will be able to respond to the success of cosmetics and will find it easier to use new products into future treatments.

This program is filled with up-to-date information and scientific postulates from leading experts in the dermatological field. With a 100% online format, this program aims to be a high-level answer to those doubts asked by health professionals. Without the need to move to an on-site location and with the flexibility to choose their own schedules, the professional will be able to complete the Postgraduate Certificate from any mobile device with an internet connection, without cumbersome procedures and with the latest updates in the field.

This **Postgraduate Certificate in Cosmetic Ingredients**, contains the most complete and up-to-date program on the market. Its most notable features are:

- Practical cases presented by experts in Cosmetic Science and Technology
- 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 self-assessment can be used to improve learning
- Its special emphasis on innovative methodologies
- 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



A program that will help you to up to date knowledge about cosmetic composition, allowing you to understand the main components and skin benefits of new formulations"

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A Postgraduate Certificate that will provide you with all the updated information about cosmetic products and their various organic, chemical, or natural components"

The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

A 100% online program that will allow students to study it from the comfort of their homes, without the need to assist to a face-to-face classes.

You will receive all the relevant information from the dermatological field, postulates from experts, and novelty articles on the subject.



02

Objectives

TECH's main objective for this Postgraduate Certificate in Cosmetic Ingredients is to provide health professionals with the main sources of up-to-date information regarding product composition, whether organic, animal, plant, or chemical. This way, professionals will be able to keep up to date with the most recent discoveries and apply them to the formulation processes, knowing in advance the benefits of each ingredient and how they affect the skin.



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Stay updated with the latest updates in the dermatological field and identify the new products you can use in your treatments"



General Objectives

- Analyze the main active ingredients according to their origin and nature
- Compile all compounds needed to formulate cosmetic products
- Determine the different types of Cosmetic Product according to their Composition
- Evaluate the benefits of nanotechnology and biotechnology in cosmetics

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*If you are looking to update
your knowledge in the function and
classification of cosmetic products, this
program will exceed your expectations”*





Specific Objectives

- ♦ Analyze the most commonly used natural and synthetic active ingredients and main properties
- ♦ Evaluate the role of vitamins and biological compounds in cosmetic products
- ♦ Examine the main types of sunscreens, properties and features
- ♦ Identify the main compounds in cosmetic formulations
- ♦ Determine new trends in cosmetic product formulation and their benefits
- ♦ Demonstrate how science has enhanced cosmetics

03

Course Management

In its commitment to academic excellence, TECH has selected the best teaching staff. For this opportunity, we will have a team of active professors with more than 10 years of experience in the dermatology sector. These professionals will help physician to reach their full potential and, in the same way, achieve their specific objectives. In addition, they are specialists open to dialogue, which ensures assertive communication throughout the program development.



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An experienced teaching team will provide you with all the information about cosmetic product ingredients, making it easier for you to identify the benefits of each one.”

Management



Dr. Mourelle Mosqueira, María Lourdes

- Expert researcher in Cosmetic Science
- Technical Director at Balcare
- Researcher of the FA2 group of the Applied Physics Department of the University of Vigo.
- Author of publications on Cosmetic Science
- Lecturer in undergraduate and graduate programs related to Cosmetic Science.
- President of the Iberoamerican Society of Thalassotherapy
- Secretary of the Galician Society of Thermal Peloids
- PhD in Applied Physics, University of Vigo
- Degree in Pharmacy, University of Santiago de Compostela
- Diploma in Nutrition and Dietetics, University of Granada

Professors

Dr. Pando Rodríguez, Daniel

- CEO y cofundador de Nanovex Biotechnologies
- Director of INdermal
- Researcher in Biotechnology for Medicine and Cosmetics
- PhD in Chemical Engineering, University of Oviedo
- Degree in Chemical Engineering, University of Oviedo
- Master's Degree in Business Administration and Project Management, ENEB



04

Structure and Content

The syllabus of this Postgraduate Certificate has been designed through a rigorous academic process to identify the current dermatological sector. For this reason, medical professionals will find complex topics that will allow them to maximize their potential. In addition to being flexible, the program can be reviewed as many times as the medical professional wishes through the Virtual Campus and the content can also be downloaded from any mobile device with Internet access.



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*An innovative program aimed at delving
into cosmetic materials to provide you
with the best current information”*

Module 1. Cosmetic Ingredients

- 1.1. Active ingredients of natural origin I: vegetable origin
 - 1.1.1. Plant-Derived Active Ingredients in *Skin Care*
 - 1.1.2. Plant-Derived Active Ingredients in *Hair Care*
 - 1.1.3. Other Applications of Plant-Derived Active Ingredients
- 1.2. Active ingredients of natural origin II: animal and mineral origin
 - 1.2.1. Animal and Mineral-Derived Active Ingredients in *Skin Care*
 - 1.2.2. Animal and Mineral-Derived Active Ingredients in *Hair Care*
 - 1.2.3. Other Applications of Animal and Mineral-Derived Active Ingredients
- 1.3. Synthetic Active Ingredients
 - 1.3.1. Synthetically Derived Active Ingredients in *Skin Care*
 - 1.3.2. Synthetically Derived Active Ingredients in *Hair Care*
 - 1.3.3. Other Applications of Synthetically-Derived Active Ingredients
- 1.4. Vitamins and Biological Compounds
 - 1.4.1. Vitamins in Cosmetics
 - 1.4.2. Proteins and Peptides in Cosmetics
 - 1.4.3. Prebiotics and Probiotics in Cosmetics
 - 1.4.4. Other Biological Compounds in Cosmetics
- 1.5. Sunscreens
 - 1.5.1. Sunscreens in cosmetics: operation and classification
 - 1.5.2. Chemical Sunscreens
 - 1.5.3. Physical Sunscreens
- 1.6. Surfactants, Emulsifiers and Rheology Modifiers
 - 1.6.1. Surfactants and emulsifiers: structures, properties and types
 - 1.6.2. Use of Surfactants and Emulsifiers in Cosmetic Formulations
 - 1.6.3. Rheology Modifiers
- 1.7. Colorants and Pigments
 - 1.7.1. Natural and Synthetic Dyes
 - 1.7.2. Organic and Inorganic Pigments
 - 1.7.3. Formulations with Dyes and Pigments





- 1.8. Preservatives
 - 1.8.1. Uses of Preservatives in Cosmetics
 - 1.8.2. Preservatives of Natural Origin
 - 1.8.3. Preservatives of Synthetic Origin
- 1.9. Biotechnology in Cosmetics
 - 1.9.1. Biotechnology in Cosmetics
 - 1.9.2. Biotechnological Tools for Cosmetics
 - 1.9.3. Cosmetic Active Ingredients Derived from Biotechnology
- 1.10. Nanotechnology in Cosmetics
 - 1.10.1. Nanotechnology in Cosmetics
 - 1.10.2. Nanotechnological Tools and Systems in Cosmetics
 - 1.10.3. Uses of Nanotechnological Systems: Advantages and Benefits

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An advanced program with a future perspective: you will be able to delve into the use of nanotechnology in the cosmetic field and explore the possibilities of this technique for the effective and optimal development of products”

05

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

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



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

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

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

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



Relearning Methodology

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

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

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





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

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

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

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

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

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



Study Material

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

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



Surgical Techniques and Procedures on Video

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



Interactive Summaries

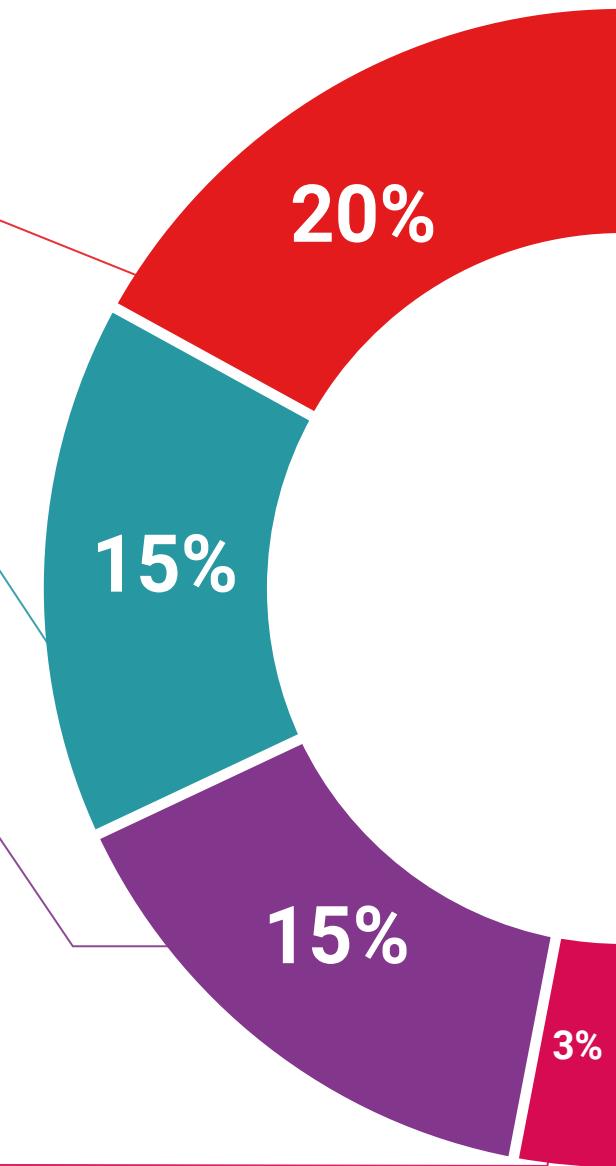
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

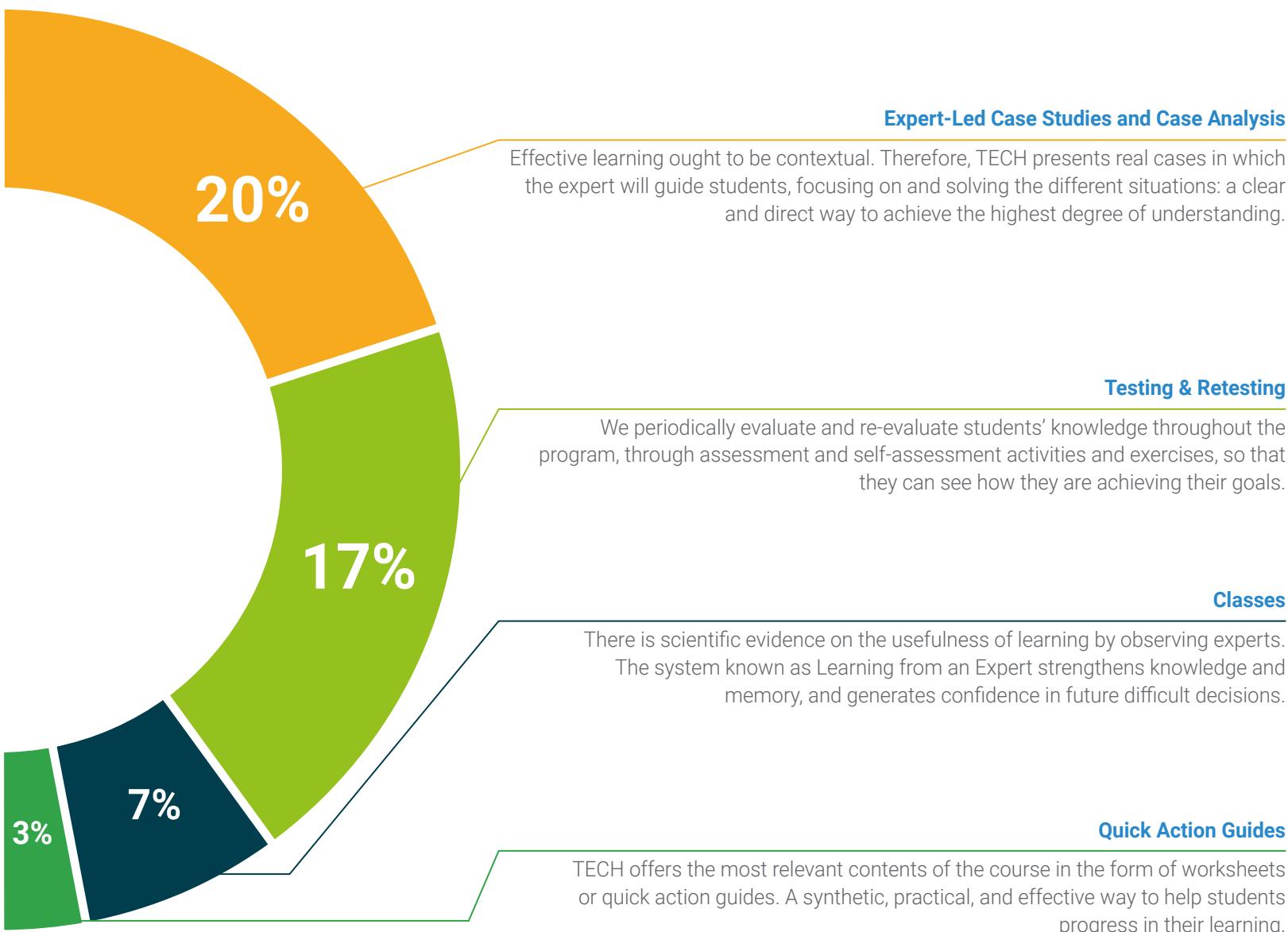
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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





06

Certificate

The Postgraduate Certificate in Cosmetics Ingredients guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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

This program will allow you to obtain your **Postgraduate Certificate in Cosmetic Ingredients** 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.

This **TECH Global University** title 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: **Postgraduate Certificate in Cosmetic Ingredients**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 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.



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