



# Postgraduate Diploma Regulation of Cosmetic Products

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/in/pharmacy/postgraduate-diploma/postgraduate-diploma-regulation-cosmetic-products

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# tech 06 | Introduction

Safety, efficacy and the free market are the three fundamental pillars on which regulatory compliance in the manufacture and distribution of cosmetic products is based For this reason, Pharmacy professionals who dedicate their activity to this sector must know in detail the novelties related to the legislation and regulations that govern it, with the purpose of always working on the basis of the benefit of the person who finally ends up using it and avoiding possible legal problems for the company of which it is part.

This is why TECH has considered it necessary to launch this Postgraduate Diploma in Regulation of Cosmetic Products, an avant-garde, intensive and dynamic program that includes the latest advances that have occurred, not only in the international legal framework, but also in relation to the development and manufacturing processes. In addition, it also delves into the current specifications of quality, efficacy and safety controls, as well as the strategies and procedures that have achieved the best results to date.

It will include 450 hours of diverse theoretical, practical and additional content presented in different formats and framed in a convenient and accessible 100% online program. In addition, in order to always guarantee the best educational experience, the graduate will be able to adapt the schedule to his/her own availability, as well as access the virtual classroom from any device with internet connection. Thanks to this, you will be able to update your knowledge with total guarantee and with the endorsement of a great scientific university such as TECH.

This **Postgraduate Diploma in Regulation of Cosmetic Products** contains the most complete and up-to-date scientific program on the market. The most important features include:

- 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



You will delve into new developments related to quality controls, efficacy and safety in the production of cosmetics through 450 hours of the best theoretical, practical and additional content"



An educational experience at the forefront of the pharmaceutical sector, including case studies based on real-life situations, so you can hone your professional skills"

The program's teaching staff includes professionals from the sector 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.

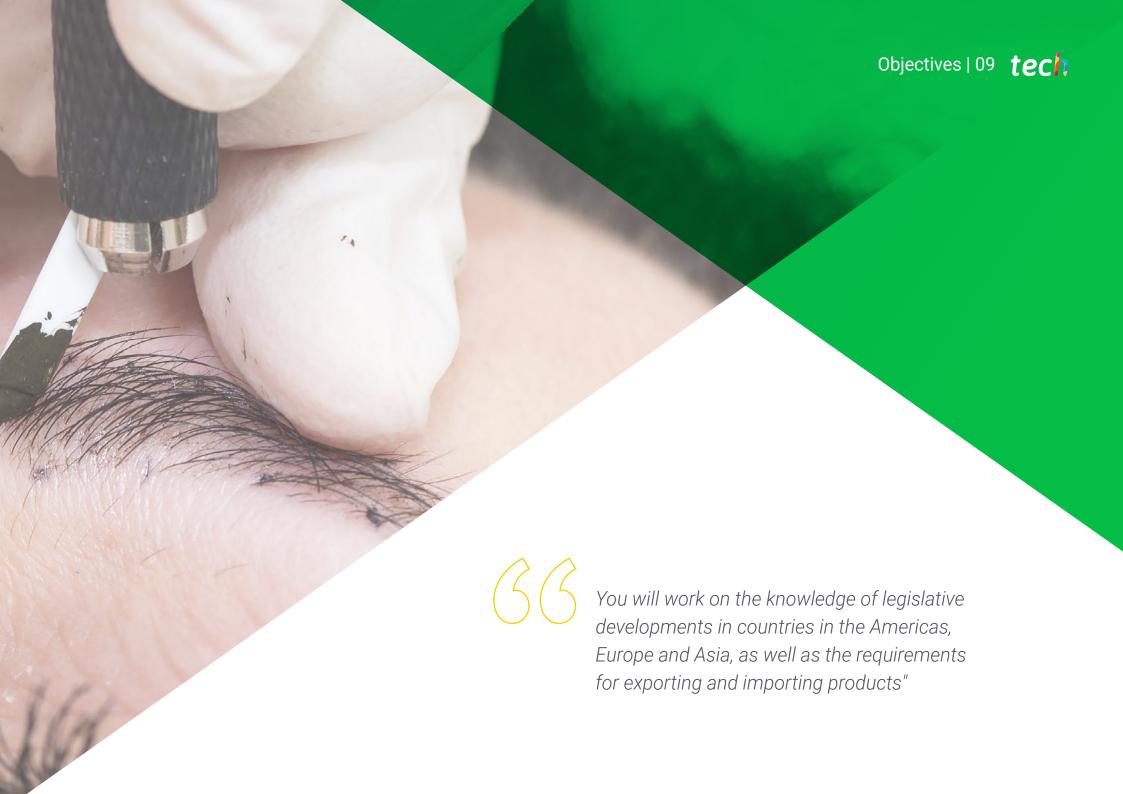
This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. This will be done with the help of an innovative system of interactive videos made by renowned experts.

You will work on the latest developments related to cosmetic development and manufacturing strategies, so that you can apply them, from day one, to your professional practice.

As long as you have an internet connection, you will be able to access the Virtual Classroom whenever you want during the 6 weeks of this Postgraduate Diploma.







# tech 10 | Objectives



# **General Objectives**

- Become familiar with skin structure and features
- Analyze the main active ingredients according to their origin and nature
- Understand the action mechanisms in the most suitable cosmetic ingredients to prepare cosmetic formulations for different skin alterations
- Develop a global vision of the manufacturing process of a cosmetic product, from the initial idea to its launching on the market





#### **Specific Objectives**

#### Module 1. International Legislation on Cosmetic Products

- Identify the figure of the "person in charge"
- Comprehend Cosmetic Regulation from a practical point of view
- Define the functions of the Cosmetic Regulation department
- Analyze and present the Natural Products standard: ISO-Certifications
- Identify and apply international standards for CPNP discharge

#### Module 2. Cosmetics Development and Manufacturing

- Analyze the process that a product goes through from its small-scale creation in the laboratory to its production on an industrial scale
- Develop the different raw materials that make up the skeleton of a cosmetic product one at a time
- Examine the plastics or packaging used in the cosmetic industry
- Determine the different operations and basic manufacturing processes of the different cosmetic forms under the UNE-EN-ISO standard: 22716:2008
- Evaluate the different cosmetic forms on the market
- Establish the importance of R&D&I in cosmetic products development; innovation remains key to consumer requirements
- Compile the steps involved in perfume development, essence and subsequent applicability

#### Module 3. Quality Control, Efficacy and Safety in Cosmetics

- Examine Quality Controls
- Analyze the importance of GMP in product traceability
- Perform CPNP discharge processes
- Perform Safety Assessment
- Determine the Studies for Safety Assessment
- Identify Studies for Efficacy Justification



Thanks to the dynamism with which this program has been designed, you will save memorization time, which you will be able to invest in the aspects you consider most relevant for your professional performance"





# tech 14 | Course Management

#### 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**

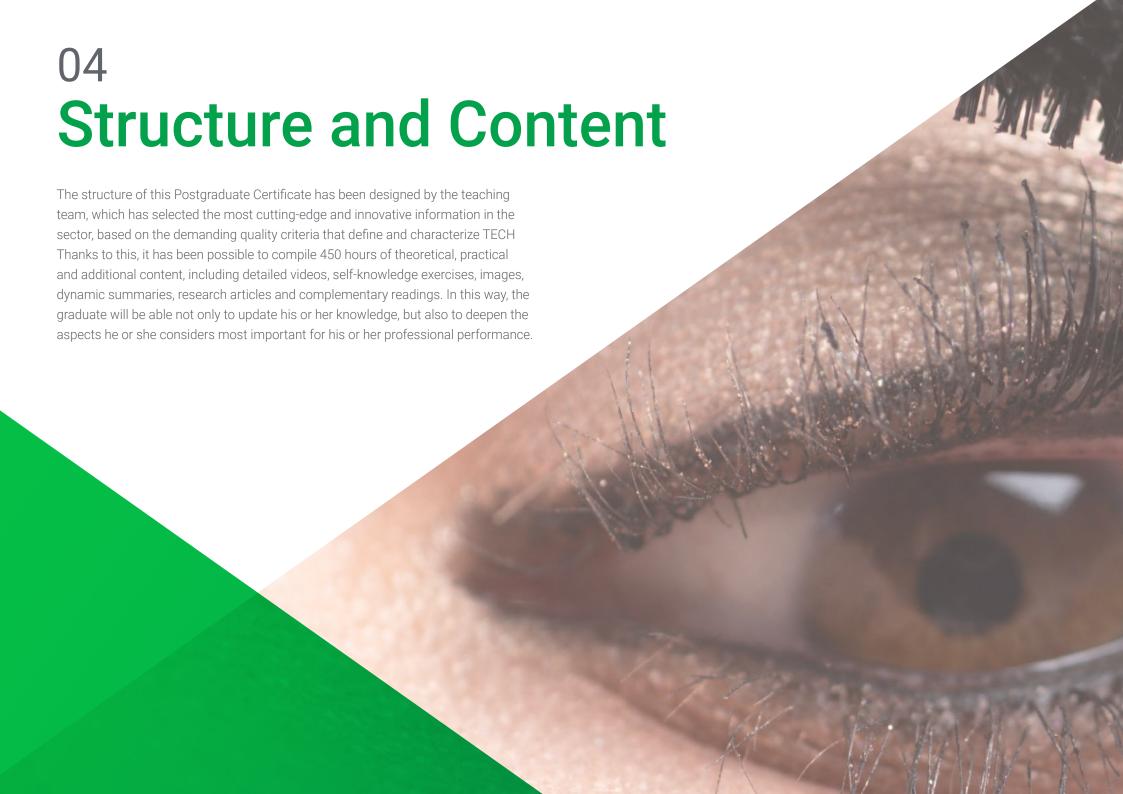
#### Dr. Abril González, Concepción

- Chemistry Specialist in Chromatography at Bordas S.A
- Food Products Analyst for foreign trade at the Technical Inspection of Soivre in Seville
- Chromatography Analyst at Agrama Laboratories
- Researcher in the Analytical Chemistry Department at Anquimed
- PhD in Analytical Chemistry, University of Seville
- Professional Master's Degree in Professional Specialization in Pharmacy: Pharmaceutical Industry, University of Seville
- Professional Master's Degree in Cosmetics and Dermopharmacy from the University of Seville
- Professional Master's Degree in Chemistry, University of Seville

#### Ms. Aguado Ruiz, Belén

- Cosmetic Safety Advisor at ABAR Cosmetics
- Technical Director at Larrosa Laboratorios
- Quality Department Director at Gaher Química
- Cosmetic Safety Supervisor at LAB&CLIN ALLIANCE
- Cosmetics Technical Expert at Bellssan Healthcare
- International Professional Master's Degree in Toxicology from the Official College of Chemists of Seville
- $\bullet\,$  Degree in Chemistry from the University of Alcalá de Henares







# tech 18 | Structure and Content

#### Module 1. International Legislation on Cosmetic Products

- 1.1. Regulations in Europe
  - 1.1.1. European Regulations-Legislation
  - 1.1.2. Regulation 1223/2009
  - 1.1.3. Borderline Products
- 1.2. Cosmetics Manufacturing Laboratory Requirements in Europe
  - 1.2.1. Registering Manufacturing Activities
  - 1.2.2. Good Manufacturing Practices
  - 1.2.3. Standard Operating Procedures
- 1.3. Requirements for Importers, Distributors and Providers Placing the Product on the Market
  - 1.3.1. Definitions Based on European Legislation
  - 1.3.2. Obligation Based on European Legislation
  - 1.3.3. Product Notification Portal Registration
- 1.4. Cosmetic Laboratory Areas
  - 1.4.1. Department Definitions
  - 1.4.2. Materials and Personnel Flow
  - 1.4.3. Industrial Equipment and Instrumentation
- 1.5. Regulatory Department: functions
  - 1.5.1. Safety Assessor
  - 1.5.2. Safety Assessment and Product Dossier
  - 1.5.3. Safety Assessment: Studies
- 1.6. ISO Standards and Certifications
  - 1.6.1. Good Manufacturing Practices
  - 1.6.2. Natural Cosmetic Products
  - 1.6.3. Quality
- 1.7. Regulations: USA, Latin America and Asia
  - 1.7.1. U.S. Legislation
  - 1.7.2. Latin American Legislation
  - 1.7.3. Legislation in Asia
  - 1.7.4. Export Requirements





# Structure and Content | 19 tech

- 1.8. Cross-cutting legislation
  - 1.8.1. REACH Legislation
  - 1.8.2. CLP Legislation
  - 1.8.3. Other Legislation: Toys, Biocides, Others
- 1.9. Other legislation
  - 1.9.1. European Legislation: Borderline Products
  - 1.9.2. Personal Care Products
  - 1.9.3. Aerosol Legislation
- 1.10. Registration Requirements for Cosmetic Products in Other Countries (FDA, USA)
  - 1.10.1. Customs Services
  - 1.10.2. Labeling Requirements
  - 1.10.3. Differences in Definition between Cosmetics and Medication

#### Module 2. Cosmetics Development and Manufacturing

- 2.1. The Cosmetic Industry
  - 2.1.1. The Cosmetics Industry Sector
  - 2.1.2. Briefing or Initial Idea
  - 2.1.3. Laboratory to Pilot Testing
- 2.2. Cosmetic Product Manufacturing Processes
  - 2.2.1. Manufacturing and Subsequent Quality Control
  - 2.2.2. Packaging, Conditioning and Labeling
  - 2.2.3. Storage and Distribution
- 2.3. Raw Materials for Cosmetics Manufacturing
  - 2.3.1. Water Used in the Cosmetic Industry
  - 2.3.2. Antioxidants and Preservatives
  - 2.3.3. Moisturizers, Emulsifiers, Silicones and Polymers
- 2.4. Cosmetic Packaging
  - 2.4.1. Materials
  - 2.4.2. Trends in Cosmetic Packaging
  - 2.4.3. Packaging for Children's Cosmetics

# tech 20 | Structure and Content

2.5.	Manufacturing Operations and Processes in Different Cosmetic Forms	
	2.5.1.	Good Manufacturing Practices for Cosmetic Products UNE-EN-ISO: 22716:2008
	2.5.2.	Formulations Prior to Cosmetic Development
	2.5.3.	Prototypes Preparation and Formulation Examples
2.6.	R&D in Cosmetic Product Development	
	2.6.1.	New Cosmetic Forms
	2.6.2.	TOP Cosmetic Ingredients
	2.6.3.	New Plant-Derived Ingredients
2.7.	Solution, Suspension and Emulsion Preparation	
	2.7.1.	Textures
	2.7.2.	Aqueous, Micellar and Oily Solutions
	2.7.3.	Suspensions and Emulsions
	2.7.4.	Gels and Cremigels
2.8.	Solid and Semi-Solid Cosmetics Preparation	
	2.8.1.	Sustainability and Practicality
	2.8.2.	Sensoriality and Efficiency: New Formats
		2.8.2.1. Soaps and Syndets
		2.8.2.2. Ointments and Salves
	2.8.3.	Loose powder vs. Compacts: uses
2.9.	Other Cosmetic Forms and Substrates	
	2.9.1.	Aerosols
	2.9.2.	Foams
	2.9.3.	Single Doses
		2.9.3.1. Mask Tissue
		2.9.3.2. Impregnated Wipes
2.10.	Perfume Manufacturing	
	2.10.1.	Perfume: background
	2.10.2.	Raw Material Origin, Composition and Application
		Alcoholic Fine Perfumery
	2.10.4.	IFRA Standards

#### Module 3. Quality Control, Efficacy and Safety in Cosmetics

- 3.1. Quality Controls
  - 3.1.1. Stability and Compatibility
  - 3.1.2. Preservative Efficacy
  - 3.1.3. Controls in Process
- 3.2. Article 19 Cosmetics Regulation Based on Study Results
  - 3.2.1. ISO Definitions for Products Susceptible of Microbiological Risk
  - 3.2.2. Shelf Life and ODP Calculation
  - 3.2.3. Labeling Analysis
- 3.3. Good Manufacturing Practices
  - 3.3.1. Standard Operating Procedures: Manufacturing and Packaging
  - 3.3.2. Third Party Contracts
  - 3.3.3. Hygiene and Personnel Training
- 3.4. Traceability
  - 3.4.1. Standard Operating Procedures: Off-Spec Products
  - 3.4.2. Cosmetovigilance
  - 3.4.3. Product Recalls
- 3.5. European Portal Registration Procedures
  - 3.5.1. Registering the Person in Charge
  - 3.5.2. Cosmetic Product Registration
  - 3.5.3. Framework Formula
- 3.6. Cosmetic Product Safety Report
  - 3.6.1. Regulation 1223/2009: Annex I
  - 3.6.2. Product Dossier
  - 3.6.3. Safety Assessment: Toxicological Profile
- 3.7. Skin Compatibility Studies
  - 3.7.1. Skin, Ocular and Mucosal Compatibility Studies
  - 3.7.2. Labeling Claims
  - 3.7.3. SPF Studies



### Structure and Content | 21 tech

- 3.8. Cosmetic Efficacy Studies
  - 3.8.1. Studies on Efficacy
  - 3.8.2. In vitro-In vivo
  - 3.8.3. Ex Vivo- In Silico
- 3.9. Sensory Analysis
  - 3.9.1. Sensory Analysis Studies
  - 3.9.2. Instrumental Tests
  - 3.9.3. Questionnaires and Assessment Criteria
- 3.10. Claims Regulation
  - 3.10.1. Regulation 655/2013: Common Criteria
  - 3.10.2. Guidelines to Substantiate Claims
  - 3.10.3. "Free" Labeling Claims



An unparalleled opportunity to implement in your practice the most innovative and cutting-edge strategies related to R&D and development of cosmetic products"

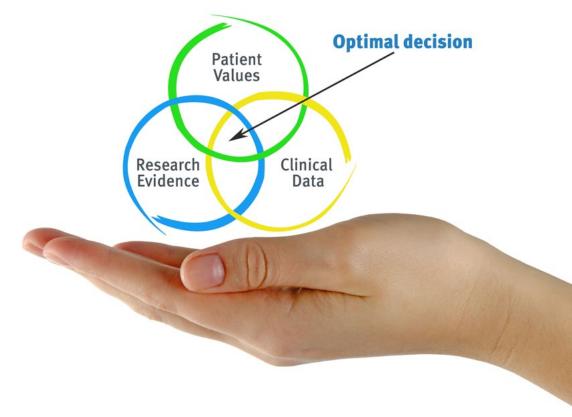


# tech 24 | Methodology

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



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.



# tech 26 | Methodology

#### 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.



### Methodology | 27 tech

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**

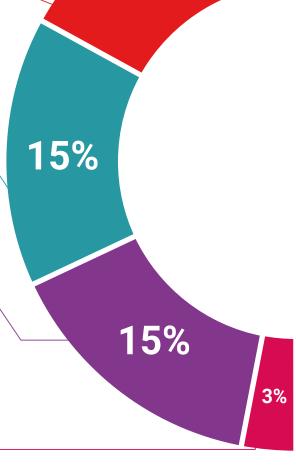
TECH introduces students to the latest techniques, to the latest educational advances, to the forefront of current pharmaceutical care procedures. All of this, first hand, and explained and detailed with precision to contribute to assimilation and a better understanding. And best of all, you can watch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



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



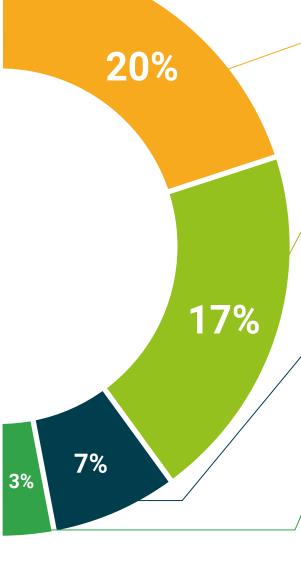
There is scientific evidence on the usefulness of learning by observing experts.

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.







# tech 32 | Certificate

This **Postgraduate Diploma in Regulation of Cosmetic Products** 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 Regulation of Cosmetic Products
Official N° of hours: **450 h.** 



<sup>\*</sup>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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education information tutors
guarantee accreditation teaching
institutions technology learning



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