

Postgraduate Certificate

Quality Assurance and Control System for  
Master Formulas





## Postgraduate Certificate

### Quality Assurance and Control System for Master Formulas

Course Modality: Online

Duration: 2 months.

Certificate: TECH - Technological University

3 ECTS Credits

Teaching Hours: 75 hours.

Website: [www.techitute.com/us/pharmacy/postgraduate-certificate/quality-assurance-control-system-master-formulas](http://www.techitute.com/us/pharmacy/postgraduate-certificate/quality-assurance-control-system-master-formulas)

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# 01

# Introduction

The development of the industry, and with it the discovery of new synthetic drugs, has transformed the concept of medicine. synthesis, has transformed the concept of medicine. We have gone from an individualized medicine for a specific patient and specific needs, to a global medicine. I.e., for a specific disease, but for a large number of patients.





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*The Postgraduate Certificate in Quality Assurance and Quality Control System for Formulas Master contains the most complete and up to date scientific program on the market"*

Industrialized medicine has been a breakthrough in current therapeutics, since many patients have found a remedy for their illnesses.

However, this industrialized drug does not cover all therapeutic needs. For various reasons, there are therapeutic gaps that only the Individualized Medicine can fill.

The Master Formulation or, nowadays, "individualized medicine" is the essence of the pharmaceutical profession. It has been the starting point of human medicine therapeutics, when patient care was individualized.

The master formula, understood as the medicine intended for an individualized patient, prepared by or under the direction of a pharmacist, to expressly comply with a detailed medical prescription of the medicinal substances it includes, requires that the professional activity be adjusted to strict and faithfully reproducible procedural guidelines. In this sense, pharmacists need to be updated and promote continuous training in the knowledge and compliance with the standards for the correct preparation and quality control of Master formulae in order to achieve the required level of quality.

The objective of this program is to train pharmacists in a discipline unique and exclusive to their profession, training professionals who can respond to therapeutic gaps with the formulation of an individualized drug with the quality and efficacy of an industrialized drug.

This **Postgraduate Certificate in Quality Assurance and Control System for Master Formulas** contains the most complete and up to date scientific program on the market.

The most important features of the program include:

- ◆ Development of clinical cases presented by experts in pharmacology. The graphic, schematic, and eminently practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice.
- ◆ News on the Quality Assurance and Quality Control System for Master Formulas
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- ◆ With a special emphasis on evidence-based medicine and research methodologies in Master Formulas Quality Assurance and Quality Control System.
- ◆ All this will be complemented with theoretical lessons, questions to the expert, forums for the discussion of controversial topics and individual reflection papers.
- ◆ Availability of the contents from any fixed or portable device with an internet connection



*Update your knowledge through the Postgraduate Certificate in Quality Assurance and Quality Control System of the Master Formulas , in a practical way and adapted to your needs"*



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*This course 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 Quality Assurance and Quality Control System of Master Formulas, you will obtain a Postgraduate Certificate from TECH - Technological University"*

It includes in its teaching staff health professionals belonging to the field of Master formulas, who pour into this training the experience of their work, in addition to recognized specialists belonging to scientific societies of reference.

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 an immersive training program to train in real situations.

The design of this program is based on Problem-Based Learning, by means of which the pharmacist must try to solve the different professional practice situations that arise throughout the course. This will be done with the help of an innovative interactive video system developed by renowned experts in the field of pharmacology with extensive teaching experience.

*The course includes real case studies and exercises to bring the development of the course closer to the pharmacist's professional practice*

*Take the opportunity to update your knowledge in Quality Assurance and Quality Control System of Master Formulas and improve your patient care*



02

# Objectives

The main objective of the program is the development of theoretical and practical learning, so that the professional is able to master in a practical and rigorous manner the Quality Assurance and Control System of the Master Formulas.





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*This refresher program will generate a sense of security in the performance of the professional's praxis, which will help you grow personally and professionally"*



## General Objectives

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- ♦ Guarantee the correct preparation, by the pharmacist, of Master formulas and office preparations according to current regulations by means of theoretical/practical complementary training to that acquired in their basic training, updating knowledge, training skills and developing attitudes.

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*Take the opportunity and take the step to get updated on the latest developments in Quality Assurance and Control of the Master Formulas”*





## Specific Objectives

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- ◆ Establish laboratory conditions suitable for the preparation of products.
- ◆ Explain the recording of raw materials as well as the processing parts.
- ◆ Explain the proper completion of the patient information leaflet.
- ◆ Explain the quality control to be carried out in the preparation of dosage forms.
- ◆ Explain the current legislation on the elaboration and quality control of Master Formulas and official preparations.
- ◆ Explain resources and sources of reference in the Master Formulation laboratory.



03

# Course Management

This program includes in its teaching staff health professionals of recognized prestige, who belong to the field of Master formulation, and who bring to this training the experience of their work.

In addition, renowned specialists, members of prestigious national and international scientific societies, participate in its design.



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*Learn from leading professionals, the latest advances in Quality Assurance and Quality Control System of Master Formulas”*



## Management



### Sr. Giner Perelló, Jose Antonio

- Community pharmacist at the Pharmacy Office of Atzeneta de Albaida (Valencia).
- Responsible for the formulation laboratory Master FARMACIA PERELLÓ with Sterile Pharmaceutical Forms Level with authorization FOR THIRD PARTY MANUFACTURING
- Degree in Pharmacy from the University of Valencia.
- Diploma in Public Health by EVES
- University Degree Specialist in Clinical Analysis ( Cardenal Herrera-CEU University)
- Degree in Orthopedics (University of Valencia)
- PhD student in "Veterinary Master Formulation" ( Cardenal Herrera-CEU University).
- Member of the Board of Directors of Master Formulation of the Very Illustrious Official College of Pharmacists of Valencia.



04

# Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of training in daily pharmaceutical practice in Quality Assurance and Quality Control System of Master Formulas, aware of the relevance of the current relevance of training in order to develop Master Formulas with guarantee, with quality teaching through new educational technologies.



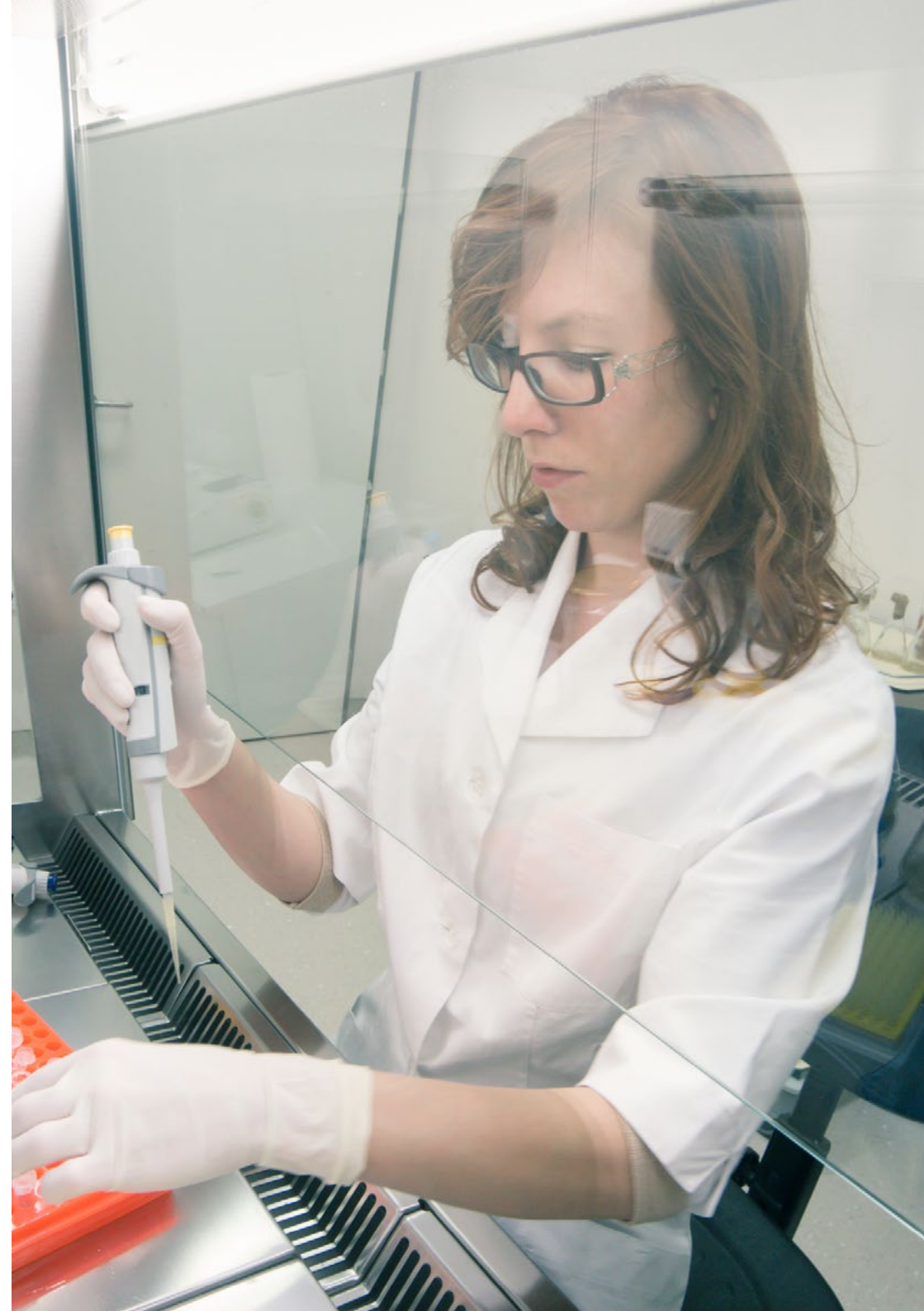
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*This Postgraduate Certificate in Quality Assurance and Quality Control System for Master Formulas contains the most complete and up to date scientific program on the market*



**Module 1.** Application of the Quality Assurance and Control System for Master Formulas and Office Preparations. R.d.175/2001

- 1.1. Standards of Correct Elaboration and Quality Control.
  - 1.1.1. Quality Management Systems.
  - 1.1.2. Personal.
    - 1.1.2.1. Responsibilities
    - 1.1.2.2. Training.
    - 1.1.2.3. Hygiene.
  - 1.1.3. Premises and Equipment.
    - 1.1.3.1. General Characteristics of the Premises.
    - 1.1.3.2. General Equipment Characteristics.
      - 1.1.3.2.1. General Equipment.
      - 1.1.3.2.2. Specific Equipment.
- 1.1.4. Documentation
  - 1.1.4.1. General Documentation.
  - 1.1.4.2. Documentation on Raw Materials.
  - 1.1.4.3. Packaging Material Documentation.
  - 1.1.4.4. Documentation on Master Formulas and Official Preparations.
- 1.1.5. Raw Materials and Packaging Material.
  - 1.1.5.1. Origin.
    - 1.1.5.1.1. Raw Materials Acquired from an Authorized Center.
    - 1.1.5.1.2. Raw Materials Acquired from Other Entities.
    - 1.1.5.1.3. Raw Materials Centralized by the Administration.
    - 1.1.5.1.4. Packaging Material.
      - 1.1.5.1.4.1. Glass.
      - 1.1.5.1.4.2. Plastic.
        - 1.1.5.1.4.2.1. PVC.
        - 1.1.5.1.4.2.2. PET.
        - 1.1.5.1.4.2.3. PP.
        - 1.1.5.1.4.2.4. PE
  - 1.1.5.2. Reception and Quarantine.
  - 1.1.5.3. Conformity Control.
  - 1.1.5.4. Documentation





1.1.6. Production.

1.1.6.1. Production by Third Parties.

1.1.7. Dispensing and Labeling.

1.1.7.1. Patient Information.

1.1.7.2. Labelling

1.2. General Procedures.

1.2.1. Introduction.

1.2.2. Objectives.

1.2.3. General Procedures.

1.2.3.1. GP of Managing Internal Documentation.

1.2.3.2. GP for the Development of Procedures.

1.2.3.3. GP for Managing Records.

1.2.3.4. PG for Cleaning and Disinfection Premises and Equipment.

1.2.3.5. GP for Personnel Hygiene and Clothing.

1.2.3.6. GP of Subcontracting.

1.2.3.7. GP of Shopping.

1.2.3.8. PG for Storage, Preservation and Disposal of products.

1.2.3.9. GP for Team Management.

1.2.3.10. GP for Toration and Qualification.

1.2.3.11. GP for the Study, Elaboration and Dispensing of Master Formulas and Office Preparations.

1.2.3.12. PG of Labeling and Package Inserts for Master Formulas and Office Preparations.

1.3. Development of Standard Operating Procedures.

1.3.1. Weighing Work SOPs

1.3.2. Powder Mixing and Production SOPs.

1.3.3. Disaggregation SOPs.

1.3.4. SOPs for the Manufacture of Hard Gelatin Capsules.

1.3.5. SOPs for the Production of Gastroresistant Capsules.

1.3.6. SOPs for Gel Production.

1.3.7. SOPs for Solutions Production.

1.3.8. SOPs for Ointment and Paste Production.

1.3.9. SOPs for Emulsions Production.

1.3.10. SOPs for Suspensions Production.

1.3.11. SOPs for the Production of Paper Rolls.

1.3.12. SOPs for Sterile Preparations.



*A unique, key, and decisive  
Training experience to boost your  
professional development”*

05

# Methodology

This training provides you with a different way of learning. Our methodology is developed through a cyclical learning mode: ***Re-learning***.

This system of teaching is used in the most prestigious medical schools in the world and has been and has been considered one of the most effective by leading publications such as the ***New England Journal of Medicine***.



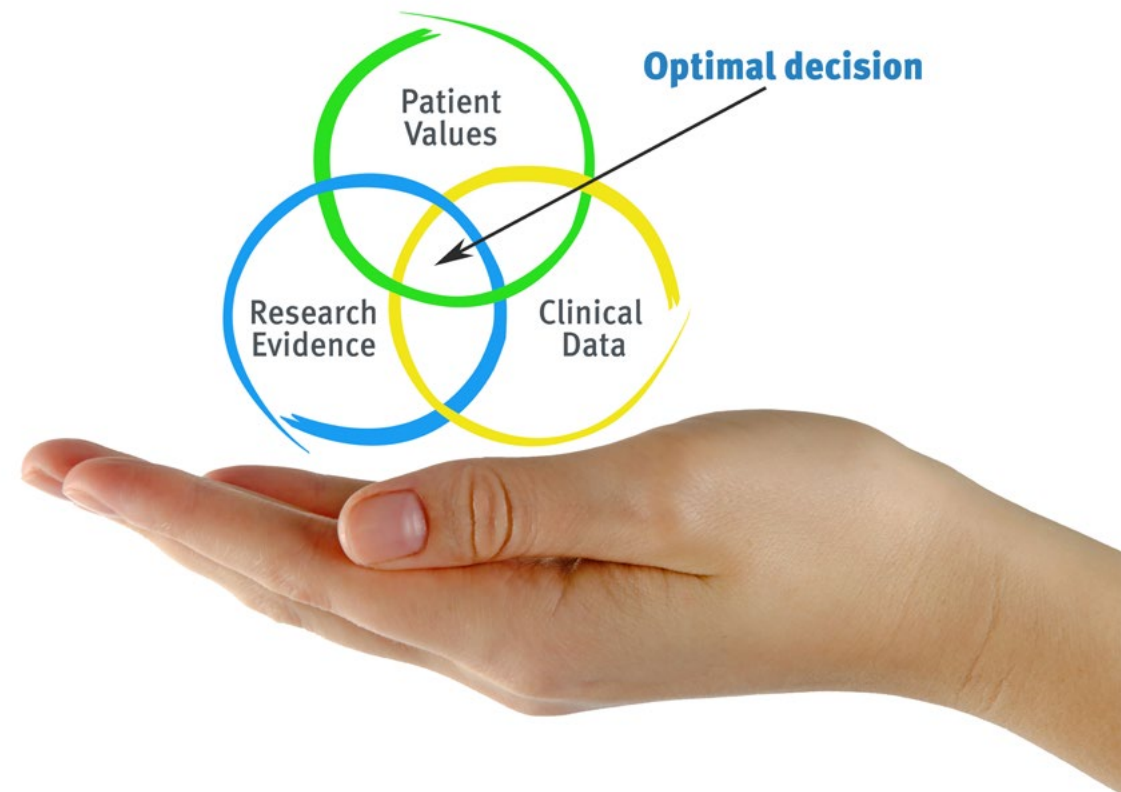


Discover Re-learning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

## At TECH we use the Case Method

In a given clinical situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, 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 can 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 potential 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 achieve the assimilation of concepts, but also develop their mental capacity through exercises to evaluate real situations and apply their knowledge.
2. The learning process has a clear focus on 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.





## Re-learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 115,000 pharmacists with unprecedented success, in all clinical specialties. Our 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 old.

*Re-learning 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 (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

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



In this program you will have access to the best educational material, prepared with you 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.

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



### Video Techniques and Procedures

We bring you closer to the latest techniques, to the newest educational advances, to the forefront of current pharmaceutical care procedures. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



### Interactive Summaries

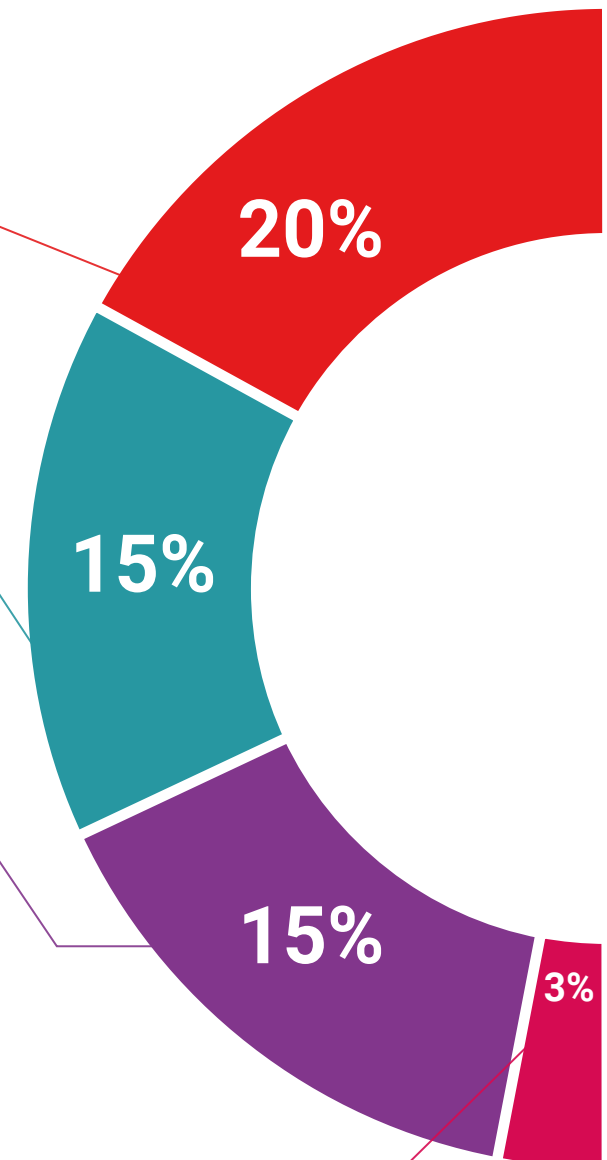
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

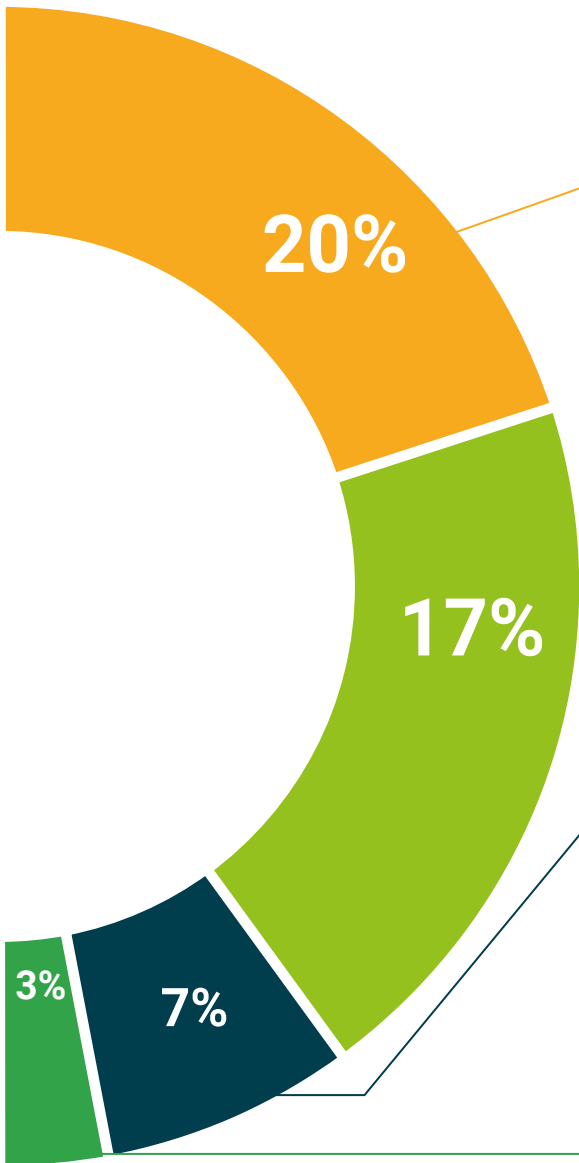
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story"



### Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





**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 the development of attention and the resolution of different situations: a clear and direct way to achieve the highest degree of understanding.



**Testing & Retesting**

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



**Classes**

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

Learning from an expert reinforces knowledge and memory, and builds confidence in our difficult future decisions.



**Quick Action Guides**

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.





# 06 Certificate

The **Postgraduate Certificate in Quality Assurance and Quality Control System for Master Formulas** guarantees you, in addition to the most rigorous and up to date training, access to a **Postgraduate Certificate** issued by **TECH - Technological University**.







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

This **Postgraduate Certificate in Quality Assurance and Control System for Master Formulas** contains the most complete and up to date scientific program on the market.

After the student has passed the evaluations, they will receive their corresponding **Postgraduate Certificate** issued by **TECH - Technological University**

The diploma issued by **TECH - Technological University** will express the qualification obtained in the **Postgraduate Certificate**, and meets the requirements commonly demanded by job exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Quality Assurance and Control System for Master Formulas**

ECTS: 3

Official Number of Hours: 75



\*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.

health future  
confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development languages  
classroom



## Postgraduate Certificate

Quality Assurance  
System and Quality  
Control of Master  
Formulas

Course Modality: Online

Duration: 2 months.

Certificate: TECH - Technological University

3 ECTS Credits

Teaching Hours: 75 hours.

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for Master Formulas