

# Postgraduate Certificate Vaccination Process





## Postgraduate Certificate Vaccination Process

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

Website: [www.techtute.com/in/nursing/postgraduate-certificate/vaccination-process](http://www.techtute.com/in/nursing/postgraduate-certificate/vaccination-process)

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# 01

# Introduction

The process of administering vaccines requires extensive knowledge on the part of nurses, both on the delivery of the vaccine itself, as well as on the possible emergencies that may occur during this act or on the conservation process of the vaccines. Therefore, although it is a common task in the field of nursing, its in-depth study should be extended to all professionals in this health branch. If you want to increase your knowledge in this field, don't think twice and join our community of students. We offer the most complete training in the market and the best teaching methodology.





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*Get to know the Vaccination Process in depth and acquire the necessary skills to offer a more personalized attention and care to your patients”*



The Diploma in Vaccination Process focuses on what might traditionally be expected from a study of the vaccine administration process. In this way, it begins with a small contextualization with basic aspects related to the act of vaccination and its legal basis to, once understood, continue with everything related to the transport and conservation of vaccines and the cold chain, concepts necessary prior to the administration of the vaccine and essential for nursing professionals.

Thanks to this program, students will also learn the proper classification of vaccines according to the existing criteria of the different international organizations. Once the student knows how to differentiate all types of vaccines, they will be able to start with one of the topics that often causes the most doubts among healthcare professionals: vaccine co-administration and administration intervals.

During the study of this Diploma, the student will also review the existing routes of administration for the different types of vaccines, the real contraindications and false contraindications that cause so many problems for health professionals, as well as how to deal with an emergency that arises during the vaccination process.

In this Postgraduate Certificate we have proposed to offer you the most complete education on vaccination in a simple and easy to learn way. Also, being a 100% online Postgraduate Degree, you will have the opportunity to combine your study hours with the rest of your daily obligations, so that you can increase your education in a comfortable way.

This **Postgraduate Certificate in Vaccination Process** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ The development of clinical cases presented by vaccine experts
- ◆ Its graphic, schematic and practical contents provide scientific and assistance information on those disciplines essential for the professional practice
- ◆ New developments on vaccinations
- ◆ Practical exercises where self-assessment can be used to improve learning
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ◆ 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



*Increase your education in the field of vaccination and improve yourself thanks to this highly academic Training”*

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*Our programs have the best teaching methodology and the latest educational tools, which will allow you to study from home without sacrificing the possibilities offered by on-site classes”*

Its teaching staff includes a professionals from the field of vaccines in nursing, who bring the experience of their work to this program, as well as recognized specialists from leading scientific societies.

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 program designed 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 professional will be assisted by an innovative interactive video system created by renowned and experienced experts in vaccination and extensive experience Teachers.

*This Postgraduate Certificate is the best investment you can make in education to acquire the best and most up-to-date education in vaccination.*

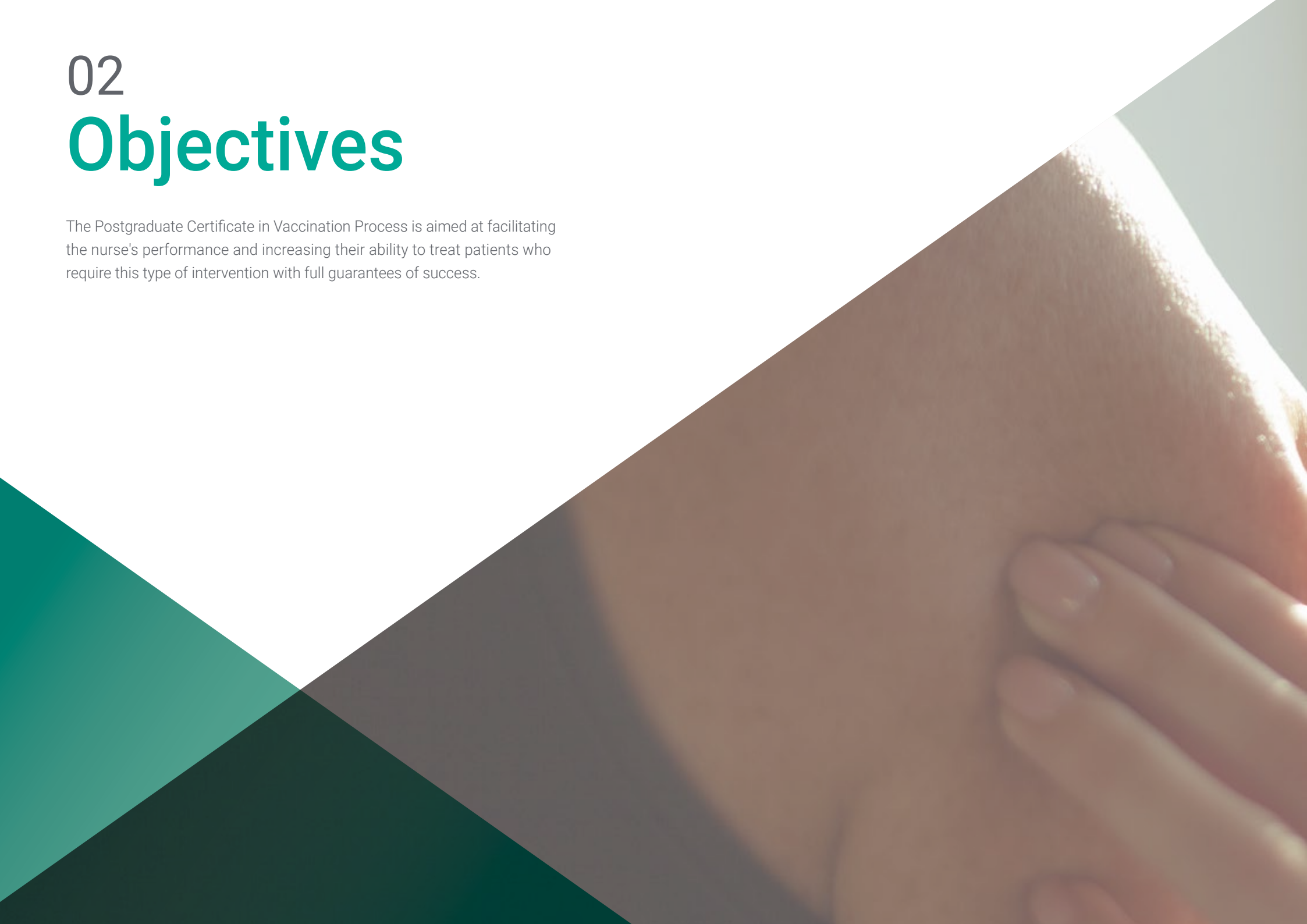
*We offer you the opportunity to study with a multitude of practical cases in such a way that you can learn new skills as if you were dealing with real patients.*



# 02

# Objectives

The Postgraduate Certificate in Vaccination Process is aimed at facilitating the nurse's performance and increasing their ability to treat patients who require this type of intervention with full guarantees of success.







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*Our goal is to offer our students the most complete educational program on the market so that they are able to excel and broaden their knowledge and, therefore, become more efficient in their profession"*



## General Objectives

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- Update the knowledge in relation to the vaccination process and disease prevention and its applicability in the population served that will allow the nursing professional to improve La their skills when exercising their professional activity
- Know in depth and apply the research methodology at the clinical-care and methodological level in the field of the vaccination process
- Develop skills to transmit and sensitize the population to the importance and need for vaccines and the vaccination process, through health promotion strategies
- Training in the management of vaccines and vaccine and prevention strategies for communicable diseases susceptible to vaccination



*Acquire the most up-to-date knowledge in this field of work and apply advanced protocols in this intervention in your day-to-day work"*





## Specific Objectives

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- ◆ In-depth knowledge of the aspects of the vaccination process as a theoretical basis for learning the process itself, as well as its legal aspects
- ◆ Integrate cold chain knowledge into vaccine transport, control and preservation
- ◆ Correctly differentiate the different types of vaccines according to the classification determined between systematic and non-systematic vaccines and the different existing classifications
- ◆ Relate health safety in the concept of the vaccination process to the recording of vaccines in daily practice
- ◆ Identify the different patterns of vaccine administration, co-administration of vaccines with other products and existing vaccination routes
- ◆ Detect the real contraindications of vaccines versus false contraindications
- ◆ Integrate the necessary knowledge about vaccination emergencies to be able to act safely during daily practice



03

# Course Management

The program includes in its teaching staff renowned experts in nursing, who contribute their work experience to this Postgraduate Certificate. 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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*Leading experts in the field are at the best university to help you achieve professional success”*



## Management



### Ms. Hernández Solís, Andrea

- Family and Community Nurse in the Madrid Health Service (SERMAS)
- Nurse in the Intensive Care Unit of the Puerta de Hierro University Hospital
- Nurse Specialist in Family and Community Nursing at Getafe University Hospital
- Professor in the Foundation for the Development of Nursing (FUDEN)
- Diploma in Nursing from the Autonomous University of Madrid



04

# Structure and Content

The structure of the contents has been designed by a team of professionals from the best educational hospital and universities in the country, who are aware of the relevance of up-to-date education, and are committed to quality teaching using new educational technologies.





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*We have the most complete and up-to-date academic program in the market. We strive for educational excellence and we want you to achieve it too"*



## Module 1. The Vaccine Process

- 1.1. Basic Aspects of Vaccination
  - 1.1.1. What Is the Vaccination Process?
- 1.2. Legal Aspects of Vaccination
  - 1.2.1. Institutions Involved in the Vaccination Process
- 1.3. Transport and Storage of Vaccines
  - 1.3.1. Cold Chain
  - 1.3.2. Elements Involved in the Transport and Conservation of Vaccines
- 1.4. Vaccine Classification
  - 1.4.1. Types of Vaccine Classification
  - 1.4.2. Viral and Bacterial Vaccines
  - 1.4.3. Attenuated and Inactivated Vaccines
- 1.5. Routine Vaccines
  - 1.5.1. What Are Routine Vaccines?
  - 1.5.2. Vaccines Included in Routine Immunizations
- 1.6. Non-routine Vaccines
  - 1.6.1. What Are Non-Routine Vaccines?
  - 1.6.2. Vaccines Included in Non-routine Vaccination
- 1.7. Vaccine Safety
- 1.8. Vaccine Administration and Registration
  - 1.8.1. Process of Vaccine Registration
  - 1.8.2. Process of Vaccine Administration
- 1.9. Co-Administration of Vaccines and Other Biological Products
  - 1.9.1. Vaccination Intervals Between Vaccines and Other Biological Products
  - 1.9.2. Vaccination Intervals Between Vaccines and Between Doses of the Same Vaccine
- 1.10. Vaccination Routes
  - 1.10.1. Different Existing Vaccination Routes
- 1.11. Contraindications and Adverse Effects of Vaccines
  - 1.11.1. False Contraindications in Vaccines
  - 1.11.2. Relative Contraindications in Vaccination
  - 1.11.3. Absolute Contraindications in Vaccination
  - 1.11.4. Most Frequent Adverse Effects in Vaccination
- 1.12. Vaccination Emergencies
  - 1.12.1. Possible Emergencies in the Vaccination Process
  - 1.12.2. Nursing Action in the Event of an Emergency During Vaccination







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

# 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 Nursing School we use the Case Method

In a given situation, what should a professional do? 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. Nurses learn better, faster, and more sustainably over time.

*With TECH, nurses can experience a learning methodology 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, in an attempt to recreate the real conditions in professional nursing 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. Nurses who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.
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 case studies with a 100% online learning system based on repetition combining a minimum of 8 different elements in each lesson, which is a real revolution compared to the simple study and analysis of cases.



*The nurse 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 we have trained more than 175,000 nurses with unprecedented success in all specialities regardless of practical workload. 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 really 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.



### Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, 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 them as many times as you want.



### Interactive Summaries

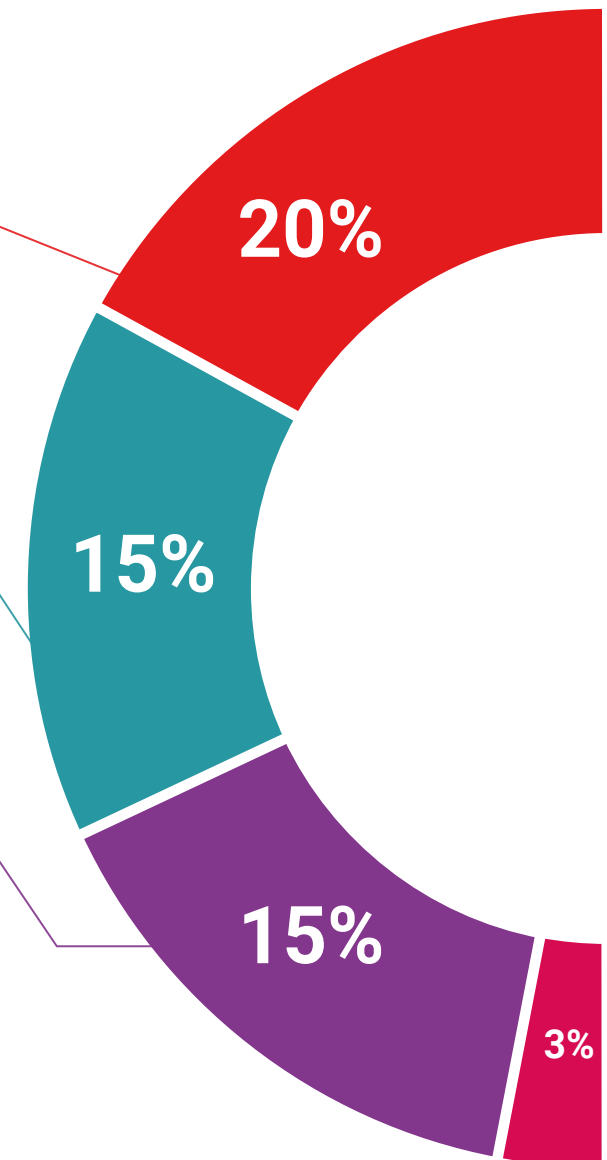
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

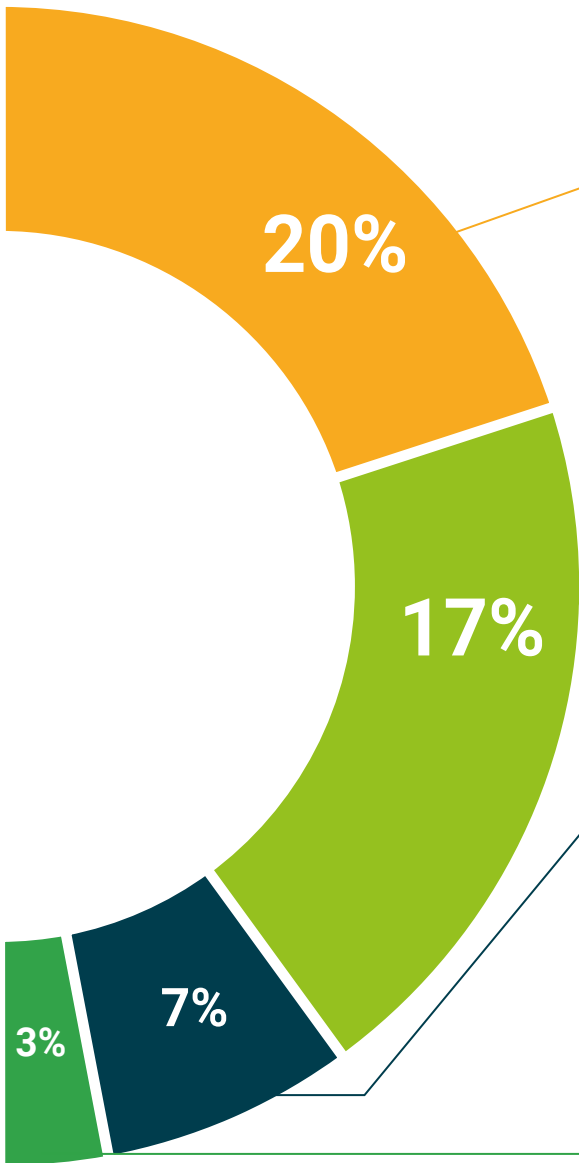
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### 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.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, 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 suggesting that observing third-party experts can be useful.

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.





06

# Certificate

The Postgraduate Certificate in Vaccination Process guarantees students, in addition to the most rigorous and up-to-date education, access to a certificate 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 Certificate in Vaccination Process** 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 Certificate** issued by **TECH Technological University** via tracked delivery\*.

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

Title: **Postgraduate Certificate in Vaccination Process**

Official N° of Hours: **150 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.

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



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- » Dedication: 16h/week
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- » Exams: online



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