

# Postgraduate Certificate

## Regulatory Compliance, Accountability and Ethics in the Area of Telemedicine



## Postgraduate Certificate Regulatory Compliance, Accountability and Ethics in the Area of Telemedicine

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

Website: [www.techtute.com/pk/medicine/postgraduate-certificate/regulatory-compliance-accountability-ethics-area-telemedicine](http://www.techtute.com/pk/medicine/postgraduate-certificate/regulatory-compliance-accountability-ethics-area-telemedicine)

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# 01

# Introduction

The current situation in the world and the rise of new technologies have motivated doctors of all specialties to practice their profession remotely. However, data protection laws and professional ethics force practitioners to know about current regulatory compliance to professionally practice with full guarantees. This program puts the focus specifically on providing doctors with the legal and ethical knowledge to work in telemedicine in an optimal way, not only taking into account patient health but all the other inherent aspects as well.



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*The practice of telemedicine has many legal and ethical implications that physicians must be aware of in order to provide quality service”*

The general objective of this Postgraduate Certificate is to ensure that healthcare professionals who intend to use new technologies master the regulatory and ethical implications of this activity.

Due to the paradigm shift in doctor-patient relationships, accelerated by the current pandemic situation, medical practice is conditioned by factors such as data protection, privacy and information security, key factors associated with the use of new technologies in healthcare.

Furthermore, aspects such as ethics, medical responsibility and lexartis related to telemedicine will be considered and during the course of the academic program. All this will help professionals to perform their work more safely and thoroughly.

Lastly, the Postgraduate Certificate delves into the concepts of quality management and patient safety. As a result and more healthcare organizations are committed to establishing patient quality and safety management systems to ensure quality diagnoses and treatments.

All this through a 100% online academic program that makes it easy to balance studies with other daily activities. Thus, the doctor will only need an electronic device (Smartphone, Tablet, PC) with Internet connection to open up a wide horizon of knowledge that will allow him to position himself as a professional of reference in the sector.

This **Postgraduate Certificate Regulatory Compliance, Accountability and Ethics in the Area of Telemedicine** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ More than 80 clinical cases, recorded with POV (*Point Of View*) systems from different angles, presented by experts in Telemedicine and other specialties
- ◆ 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
- ◆ Presentation of practical workshops on procedures and techniques
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ◆ Action protocols and clinical practice guidelines, which cover the most important latest developments in this specialist area
- ◆ All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ◆ With a special emphasis on evidence-based medicine and research methodologies in Telemedicine
- ◆ Content that is accessible from any fixed or portable device with an Internet connection

“*Become a complete expert in regulatory compliance in Telemedicine by taking this TECH program*”

“

*Thanks to this Postgraduate Certificate that TECH has prepared for you, you will acquire the best and most updated Training in telemedicine regulatory compliance”*

The teaching staff includes a team of healthcare professionals, who bring their experience to this training program, as well as renowned specialists from leading scientific societies.

The multimedia content developed with the latest educational technology will provide the surgeon with situated and contextual learning, i.e., a simulated environment that will provide immersive training program to train in real situations.

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

*You are looking at the best educational program on the market for its quality-price ratio.*

*The current situation in the world has made the practice of telemedicine gain strength. That is why it is crucial doctors who practice telemedicine know all the regulatory aspects involved.*





# 02 Objectives

The most prestigious professionals in the field of Telemedicine have designed for TECH this complete professional update and recertification program with the aim of ensuring physicians in the field are up to date with the new legal and ethical components in the field of telemedicine and its regulatory compliance. This update in doctor competencies, and the acquisition of new skills and abilities, will be the main professional asset for success in an area that increasingly demands specialized professionals.







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*TECH provides in all its trainings a perfect mix of theoretical and practical contents with the objective of leading professionals to success in their careers"*



## General Objectives

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- ◆ Delve into the understanding of the environment in which telemedicine services are developed, including challenges, limitations and opportunities in the area
- ◆ Delve into the ethical, legal, technical and medical aspects of creating and implementing a telemedicine project
- ◆ Gain a deeper understanding of the different areas of use of ICTs in health care
- ◆ Master the new techniques and technologies that are emerging to better serve patients and their needs
- ◆ Further the analysis, development, implementation and evaluation of eHealth and telemedicine projects
- ◆ Identify the political, social, legal, technological and economic fundamentals and dimensions for the implementation of ICT in health systems
- ◆ In-depth study of the ethical and legal aspects of attending a patient by telematic means
- ◆ Delve into the importance of digital interoperability in healthcare and the application of standards for its implementation
- ◆ Recognize the importance of empowering patients and healthcare stakeholders in the world of digital health
- ◆ Master learning and differentiate between reliable and unreliable sources of information
- ◆ Learn the main aspects of project evaluation and its technical dimensions
- ◆ Obtain skills for the clinical application of technologies







## Specific Objectives

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- ◆ Master the ethical-legal framework for the implementation of new technologies
- ◆ Thoroughly study patient and health professional responsibilities in telemedicine practice
- ◆ Deepen awareness of the need for privacy and security of information
- ◆ Define data protection legislation
- ◆ Master and apply data security and privacy
- ◆ Differentiate between the various bioethical approaches and their ICT application
- ◆ Develop the different implementation measures to ensure patient safety in a quality management environment



*Seize the opportunity and take the step to get up to date with the latest developments in the field of telemedicine and propel yourself to the forefront of the field"*

# 03

# Course Management

The materials have been created by a team of renowned professionals in the of telemedicine, who work in top national and international hospitals Bringing to the program the experience they have gained throughout their careers. Likewise, this great teaching team also includes a series of specialists who complement the contents of the Postgraduate Postgraduate Certificate in an interdisciplinary and transversal way that will help students to acquire comprehensive knowledge and to consider the importance of marketing and communication when dealing with cases in Telemedicine.





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*A prestigious teaching staff will accompany you and help you acquire in-depth skills in the subject”*



## Management



### Dr. Serrano Aísa, Pedro Javier

- ♦ Specialist in Cardiology at the Clinical symptoms Hospital in Zaragoza
- ♦ Head of Cardiology at Policlínica Navarra
- ♦ Head of the Cardiology Department of Viamed Montecanal Hospital, Zaragoza, Spain
- ♦ Director of Cardiomoncayo
- ♦ Degree in Medicine and Surgery from the University of Zaragoza



### Dr. Achkar Tuglaman, Nesib Nicolás

- ♦ Director of Clinical Telemedicine at AtrysHealth
- ♦ Co-founder of the International Telemedicine Hospital
- ♦ Medical specialist Viamed Group Health



### **Dr. Sánchez Bocanegra, Carlos Luis**

- ◆ Computer Engineer specialized in Big Data and e-Health
- ◆ Head of the IT Department of the Junta de Andalucía (Regional Government of Andalusia)
- ◆ Collaborating Professor at the University of Distance Education (UNED) and the Open University of Catalonia (UOC)
- ◆ Director of several Professional Masters Degree Final Projects at Italiano University Hospital in Argentina and the School of Medicine at the University of Antioquia
- ◆ Member of HOPE (Health Operation for Personalized Evidence) project group Vaccine Project
- ◆ Author of several articles on ePatients, social networks and social media applied to health
- ◆ PhD in Computer Engineering from the University of Seville, specializing in Medical Informatics and eHealth
- ◆ Computer Management Engineer from the University of Malaga (UMA)
- ◆ Graduate in Information Systems Engineering from the Catholic University of Avila (UCAV)
- ◆ Master's Degree in Free Software by the Open University of Catalonia (UOC)

## **Professors**

### **Dr. Urrutia Rica, Rosa**

- ◆ Leader in Telemedicine, in the area of Quality and Environment and as the Group's Data Protection Delegate AtrysHealth
- ◆ Degree in Biology from the University of Barcelona
- ◆ Specialized in the Integrated Management of Quality, Environment, Occupational Risk Prevention and Data Protection.. Catalanian Institute of Technology
- ◆ Superior Data Protection Program. Spanish Association for Quality

# 04

## Structure and Content

The structure and contents of this complete curriculum have been designed by a team of professionals who recognize the implications of medical updating in the approach to telemedicine, who are aware of the relevance of current Training, and who are committed to quality teaching through new educational technologies. This extensive compendium of contents will be the main tool for professionals to obtain in-depth training in the steps and protocols to be followed at a legal and ethical level when dealing with patient cases in telemedicine.





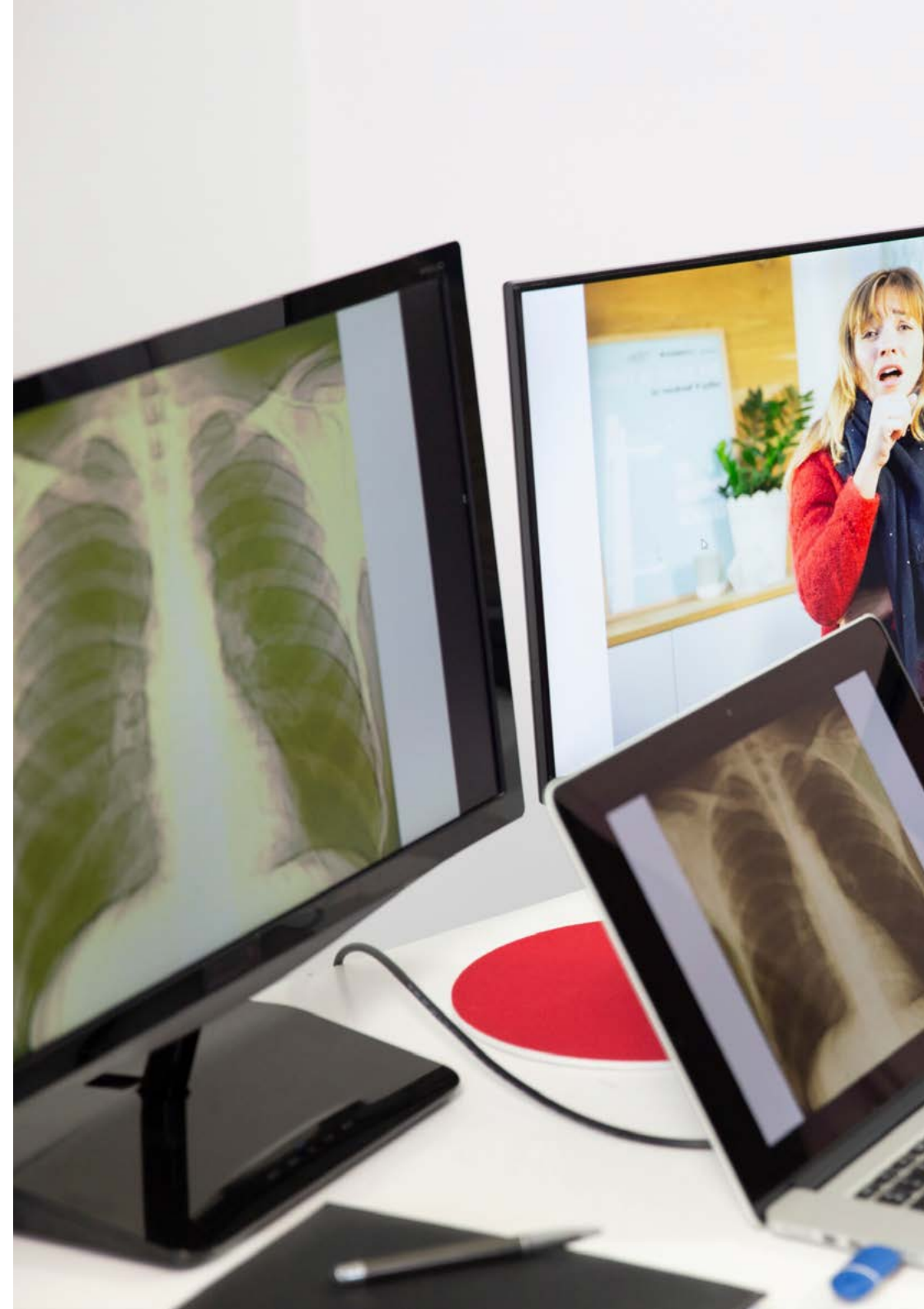
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*This Postgraduate Certificate in Regulatory Compliance, Accountability and Ethics in the Area of Telemedicine is the most complete and up-to-date scientific program on the market”*



## Module 1. Legislation, Ethics and Safety in e-Health

- 1.1. Protection of Personal Health Data
- 1.2. General aspects of the PBL. The Security and Privacy of Health Information
- 1.3. Data Protection and Patient's Rights. Informed Consent
- 1.4. Recommendations and Good Practice to Ensure Security and Privacy
  - 1.4.1. The Risks of Using New Technologies in Medicine
  - 1.4.2. Security Controls in Data Processing
  - 1.4.3. Specific Recommendations for the Handling of Health Data
- 1.5. Ethical Issues in the Telematic Provision of Health Services. Informed Consent in Telemedicine
- 1.6. Characteristics of the Doctor-Patient Relationship in Telemedicine
  - 1.6.1. The Evolution of the Doctor-Patient Relationship Throughout History
  - 1.6.2. The Influence of New Technologies in the Doctor-Patient Relationship
  - 1.6.3. Recommendations for Maintaining an Optimal Doctor-Patient Relationship in Telematic Services
- 1.7. Legislation and Bioethics in Clinical Practice, Research and Clinical Trials
  - 1.7.1. The International Code of Medical Ethics
  - 1.7.2. Ethics Committees for Medical Research
  - 1.7.3. The Handling of Data Associated with Clinical Trials
- 1.8. Medical Liability
  - 1.8.1. The Regulatory Context of Medical Liability
  - 1.8.2. Confidentiality
  - 1.8.3. The Characteristics of Medical Liability Associated with Telemedicine
- 1.9. Lex artis and Telemedicine
- 1.10. Patient Safety and Quality Assurance







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*Welcome to the educational program that will give a quality and prestigious twist to your career”*

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.





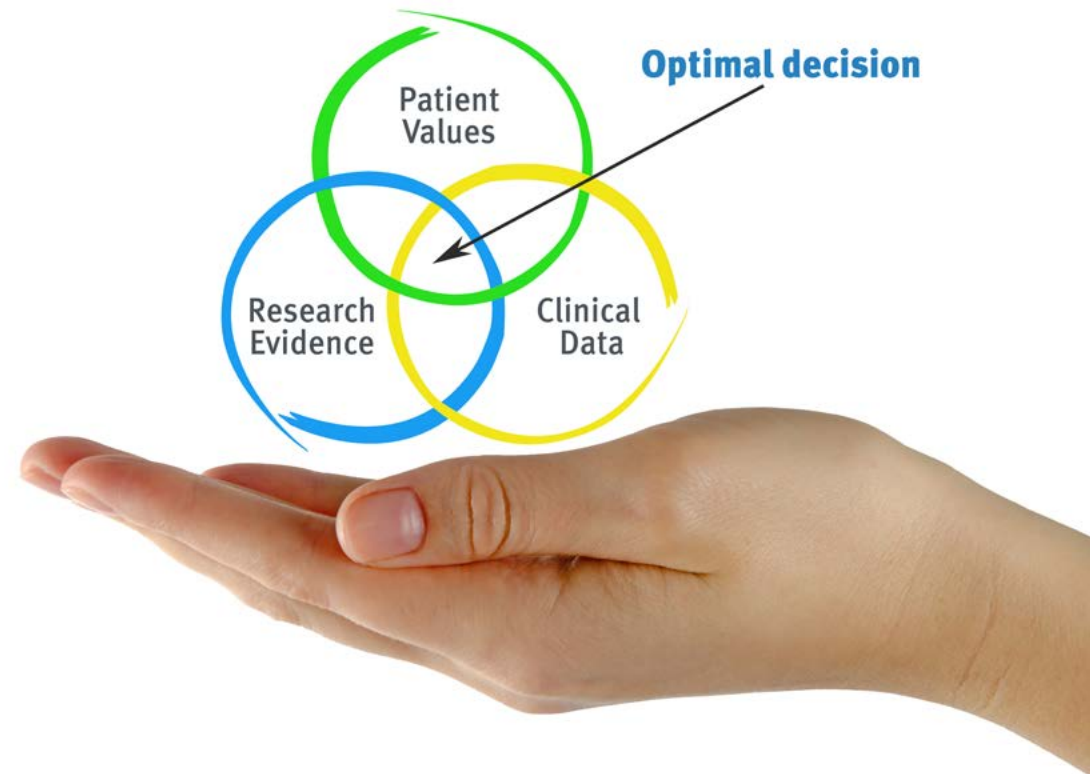
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## 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. 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, 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.





#### 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 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.





06

# Certificate

The Postgraduate Certificate in Regulatory Compliance, Accountability and Ethics and Telemedicine-Making guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate 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 Regulatory Compliance, Accountability and Ethics in the Area of Telemedicine** 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 Regulatory Compliance, Accountability and Ethics in the Area of Telemedicine**

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.



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