

Postgraduate Certificate Bibliographic Positioning in Medical Research





Postgraduate Certificate Bibliographic Positioning in Medical Research

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

Website: www.techtute.com/us/pharmacy/postgraduate-certificate/bibliographic-positioning-medical-research

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01

Introduction

Recording the results of scientific research is an important phase of its development. Documenting these results in an appropriate manner is conducive to preserving experimental observations and data for future reference. In addition, this part of the process is essential to protect intellectual property rights. In turn, it offers advantages to researchers who must organize their procedures and transmit them to other professionals. Therefore, they must be aware of digital advances and strategies that drive the scientific method applied to health research. TECH offers a 100% online program that explores bibliographic positioning and the treatment of sources, among many other issues. All this, through a dynamic, complete and rigorous teaching aimed at graduates in Pharmacy and Health Sciences professionals.



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Update your knowledge in the scientific method applied to health research so that you can master the management of your research in only 6 academic weeks"

By locating articles on the Web quickly and easily with keywords, researchers save time which, in turn, materializes in economic investment in the study. Therefore, if the rest of the specialists in the field follow a correct bibliographic positioning, a network of information will be created that is typical of efficient studies. However, with the Internet, data can be confusing given the great intrusion of fake news that, on the intrusion of fake news that, especially now, involves the pharmacological field. Search protocols are crucial in an environment where data are concentrated in a heterogeneous cloud involving many users. Therefore, medical research professionals must master a process that completes the clinical trial and that must be clearly, quickly and simply set out.

For this reason, TECH has designed this Postgraduate Certificate in Bibliographic Positioning in Medical Research for Pharmacy graduates and other professionals who wish to deepen in the bibliographic positioning of the question or problem to be solved and the search for information, as well as pubmed and other repositories of scientific articles. To achieve this, the program explores the treatment of bibliographic and documentary sources and the advanced search through metadata, among other issues. All this, with the aim of updating the search knowledge of professionals, using strategic tools.

This is a university program taught in a 100% online format, which allows students to comprehensively delve into the bibliographic positioning in Medical Research. TECH achieves this, thanks to theoretical-practical and additional materials that students will have at all times and that will make the study a flexible and dynamic process. In addition, the innovative educational system, based on *Relearning* methodology, will exempt specialists from long hours of memorization and will allow them to adapt the pace of study according to their personal and professional needs.

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

- ♦ Development of case studies presented by experts in Medical Research
- ♦ The graphic, schematic, and practical contents with which they are created, provide medical 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



Explore the differences of translational projects and clinical trials applied in Medical Research and hone your skills in this field"

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Join TECH to be part of the pharmaceutical vanguard that directly influences the development and ethics of research in this field"

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.

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

The design of this program focuses on Problem-Based Learning, by means of which the professionals must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the students will be assisted by an innovative interactive video system created by renowned experts.

TECH draws on great experts in public and private Health Research to deepen your knowledge in the generation of reference bases for multiple use with all the guarantees.

Renew your knowledge in Medical Research and bibliographic positioning to master all phases of Medical Research.



02

Objectives

The main objective of this Bibliographic Positioning in Medical Research is to offer students the most updated content on the most innovative strategies and techniques for the extraction of metadata in bibliographic searches and the scientific method applied to health research. Likewise, the didactic and innovative material offered by TECH, brings students directly and quickly to the knowledge of the new trends in the approach to a question and the methodology to follow to achieve the best possible answer, among other issues. All this, so that current specialists can update their skills in medical practice.





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Acquire knowledge in the search of bibliographic methods that will be useful in the development of your research”



General Objectives

- ♦ Understand the appropriate approach to a question or problem to be solved
- ♦ Asses the state of the art of the problem through literature search
- ♦ Assess the feasibility of the potential project
- ♦ Study the drafting of a project in accordance with the different calls for proposals
- ♦ Examine the search for funding
- ♦ Master the necessary data analysis tools
- ♦ Writing scientific articles (*papers*) according to the target magazines
- ♦ Generate posters relevant to the topics addressed
- ♦ Know the tools for dissemination to the non-specialized public
- ♦ Delve into data protection
- ♦ Understand the transfer of knowledge generated to industry or the clinic
- ♦ Examine the current use of artificial intelligence and massive data analysis
- ♦ Study examples of successful projects





Specific Objectives

- ◆ Become familiar with the scientific method to carry out a health research
- ◆ Learn the correct way to ask a question and the methodology to follow to achieve the best possible answer
- ◆ Delve into learning how to search for bibliographic methods
- ◆ Master all the concepts of scientific activity



Research is key in research projects. Sign up now and don't waste any more time in the queue of updating as a professional"

03

Course Management

TECH has used teachers who are currently working in the scientific field to instruct its students and develop all the contents that appear in this program. The Technological University has taken into account the value provided by these professionals, since by integrating them in the study, the students will not only have theoretical materials, but will also obtain reliable practical knowledge in the area of action. In this way, a correct instruction of the researcher in Pharmacy is guaranteed, which, in turn, will give them the keys to apply it to the research praxis.





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Were you looking for a qualification that was taught by professionals who work in the real scenario in which you operate? This is the perfect course for you"

Management



Dr. López-Collazo, Eduardo

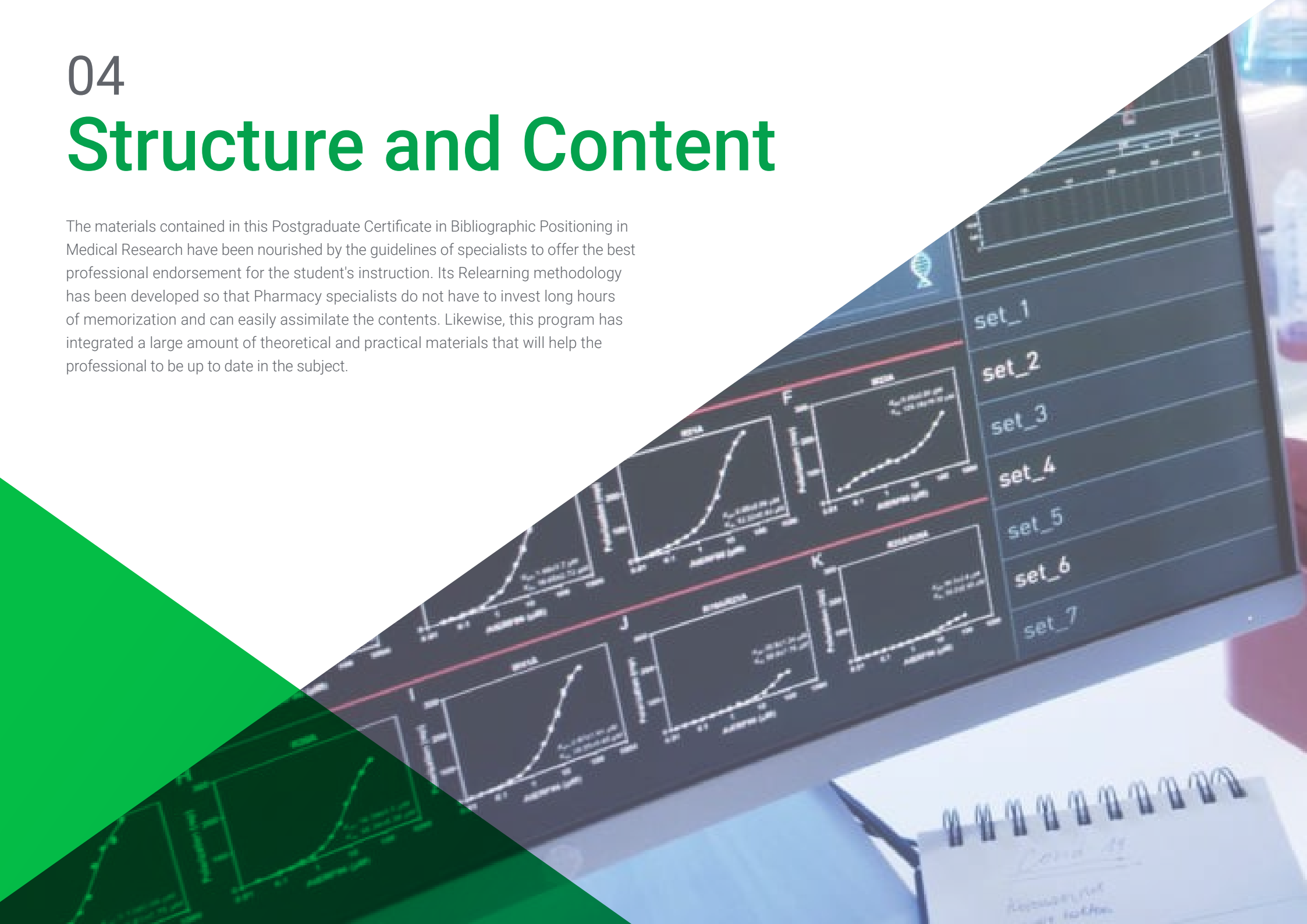
- ♦ Scientific Deputy Director in the Health Research Institute of La Paz University Hospital
- ♦ Head of the Department of Immune Response and Infectious Diseases at IdiPAZ
- ♦ Head of the Department of Immune Response, Tumors and Immunology at IdiPAZ
- ♦ President of the IdiPAZ Research Commission
- ♦ Sponsor of the External Scientific Committee of the Murcian Institute of Health Research
- ♦ Member of the Scientific Commission of FIDE
- ♦ Editor of the international scientific journal Mediators of Inflammation
- ♦ Editor of the international scientific journal Frontiers of Immunology
- ♦ Coordinator of IdiPAZ Platforms
- ♦ Coordinator of Health Research Funds in the areas of Cancer, Infectious Diseases and HIV
- ♦ PhD in Nuclear Physics, University of La Habana
- ♦ Doctorate in Pharmacy from the Complutense University of Madrid



04

Structure and Content

The materials contained in this Postgraduate Certificate in Bibliographic Positioning in Medical Research have been nourished by the guidelines of specialists to offer the best professional endorsement for the student's instruction. Its Relearning methodology has been developed so that Pharmacy specialists do not have to invest long hours of memorization and can easily assimilate the contents. Likewise, this program has integrated a large amount of theoretical and practical materials that will help the professional to be up to date in the subject.



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You will be able to update your knowledge by means of didactic materials, 100% audiovisual and practical assumptions that will prepare you to face real cases”

Module 1. The Scientific Method Applied to Health Research. Bibliographic positioning of the research

- 1.1. Definition of the Question or Problem to be Solved
- 1.2. Bibliographic Positioning of the Question or Problem to be Solved
 - 1.2.1. Information Search
 - 1.2.1.1. Strategies and Keywords
 - 1.2.2. Pubmed and Other Repositories of Scientific Articles
- 1.3. Treatment of Bibliographic Sources
- 1.4. Treatment of Documentary Sources
- 1.5. Advanced Bibliography Search
- 1.6. Generation of Reference Bases for Multiple Use
- 1.7. Bibliography Managers
- 1.8. Extraction of Metadata in Bibliographic Searches
- 1.9. Definition of the Scientific Methodology to be Followed
 - 1.9.1. Selection of the Necessary Tools
 - 1.9.2. Design of Positive and Negative Controls in an Investigation
- 1.10. Translational Projects and Clinical Trials: Similarities and Differences





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A program designed for specialists like you, who wish to promote scientific research by attending to the bibliography managers who streamline it"

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.





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 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. 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, 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 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.



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.



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.





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 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 Bibliographic Positioning in Medical Research 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 Bibliographic Positioning in Medical Research** 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 Bibliographic Positioning in Medical Research**

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.

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

tech global
university

Postgraduate Certificate

Bibliographic Positioning
in Medical Research

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

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