Postgraduate Certificate
Research in Health Sciences

tech technological university

Postgraduate Certificate
Research in Health Sciences

» Modality: **online**
» Duration: **6 weeks**
» Certificate: **TECH Technological University**
» Dedication: **16h/week**
» Schedule: **at your own pace**
» Exams: **online**
» Target Group: **University Graduates who have previously completed any of the degrees in the fields of Social and Legal Sciences, Administrative and Business Sciences.**

Website: **www.techtitute.com/pk/school-of-business/postgraduate-certificate/research-health-sciences**

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01

Welcome

The continuous research being carried out in the field of Health Sciences, as well as society's need for increasingly specific and effective techniques and strategies, means that demand in this sector is always at an all-time high. For this reason, companies are looking for professionals versed in this area to guarantee not only the optimal management of projects, but also the achievement of their objectives in the short, medium and long term. For this reason, and so that the graduate can specialize in this area and opt for a substantive professional improvement, TECH has developed this very complete program. It is a 100% online program thanks to which students will be able to work on perfecting their management skills, becoming the leader that every company wants to have.

Postgraduate Certificate in Research in Health Sciences
TECH Technological University

TECH presents this program as a great educational opportunity for the graduate to specialize in a business area with great expectations for the future, such as Health Sciences"

02
Why Study at TECH?

TECH is the world's largest 100% online business school. It is an elite business school, with a model based on the highest academic standards. A world-class center for intensive managerial skills education.

tech

TECH is a university at the forefront of technology, and puts all its resources at the student's disposal to help them achieve entrepreneurial success"

At TECH Technological University

Innovation

The university offers an online learning model that balances the latest educational technology with the most rigorous teaching methods. A unique method with the highest international recognition that will provide students with the keys to develop in a rapidly-evolving world, where innovation must be every entrepreneur's focus.

"Microsoft Europe Success Story", for integrating the innovative, interactive multi-video system.

The Highest Standards

Admissions criteria at TECH are not economic. Students don't need to make a large investment to study at this university. However, in order to obtain a qualification from TECH, the student's intelligence and ability will be tested to their limits. The institution's academic standards are exceptionally high...

95% of TECH students successfully complete their studies

Networking

Professionals from countries all over the world attend TECH, allowing students to establish a large network of contacts that may prove useful to them in the future.

+100000 executives prepared each year

+200 different nationalities

Empowerment

Students will grow hand in hand with the best companies and highly regarded and influential professionals. TECH has developed strategic partnerships and a valuable network of contacts with major economic players in 7 continents.

+500 collaborative agreements with leading companies

Talent

This program is a unique initiative to allow students to showcase their talent in the business world. An opportunity that will allow them to voice their concerns and share their business vision.

After completing this program, TECH helps students show the world their talent.

Multicultural Context

While studying at TECH, students will enjoy a unique experience. Study in a multicultural context. In a program with a global vision, through which students can learn about the operating methods in different parts of the world, and gather the latest information that best adapts to their business idea.

TECH students represent more than 200 different nationalities.

TECH strives for excellence and, to this end, boasts a series of characteristics that make this university unique:

Analysis

TECH explores the student's critical side, their ability to question things, their problem-solving skills, as well as their interpersonal skills.

Academic Excellence

TECH offers students the best online learning methodology. The university combines the Relearning method (postgraduate learning methodology with the best international valuation) with the Case Study. Tradition and vanguard in a difficult balance, and in the context of the most demanding educational itinerary.

Economy of Scale

TECH is the world's largest online university. It currently boasts a portfolio of more than 10,000 university postgraduate programs. And in today's new economy, **volume + technology = a ground-breaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.

Learn with the best

In the classroom, TECH's teaching staff discuss how they have achieved success in their companies, working in a real, lively, and dynamic context. Teachers who are fully committed to offering a quality specialization that will allow students to advance in their career and stand out in the business world.

Teachers representing 20 different nationalities.

At TECH, you will have access to the most rigorous and up-to-date case analyses in academia"

Why Our Program?

Studying this TECH program means increasing the chances of achieving professional success in senior business management.

It is a challenge that demands effort and dedication, but it opens the door to a promising future. Students will learn from the best teaching staff and with the most flexible and innovative educational methodology.

We have highly qualified teachers and the most complete syllabus on the market, which allows us to offer you education of the highest academic level"

This program will provide you with a multitude of professional and personal advantages, among which we highlight the following:

01

A Strong Boost to Your Career

By studying at TECH, students will be able to take control of their future and develop their full potential. By completing this program, students will acquire the skills required to make a positive change in their career in a short period of time.

70% of students achieve positive career development in less than 2 years.

02

Develop a strategic and global vision of the company

TECH offers an in-depth overview of general management to understand how each decision affects each of the company's different functional fields.

Our global vision of companies will improve your strategic vision.

03

Consolidate the student's senior management skills

Studying at TECH means opening the doors to a wide range of professional opportunities for students to position themselves as senior executives, with a broad vision of the international environment.

You will work on more than 100 real senior management cases.

04

You will take on new responsibilities

The program will cover the latest trends, advances and strategies, so that students can carry out their professional work in a changing environment.

45% of graduates are promoted internally.

05 Access to a powerful network of contacts

TECH connects its students to maximize opportunities. Students with the same concerns and desire to grow. Therefore, partnerships, customers or suppliers can be shared.

You will find a network of contacts that will be instrumental for professional development.

06 Thoroughly develop business projects

Students will acquire a deep strategic vision that will help them develop their own project, taking into account the different fields in companies.

20% of our students develop their own business idea.

07 Improve soft skills and management skills

TECH helps students apply and develop the knowledge they have acquired, while improving their interpersonal skills in order to become leaders who make a difference.

Improve your communication and leadership skills and enhance your career.

08 You will be part of an exclusive community

Students will be part of a community of elite executives, large companies, renowned institutions, and qualified teachers from the most prestigious universities in the world: the TECH Technological University community.

We give you the opportunity to study with a team of world-renowned teachers.

04
Objectives

The design of this program has been carried out with the objective that the graduate acquires the necessary knowledge to face the management of a large-scale business project related to Research in Health Sciences. Therefore, TECH will provide you with the most innovative and effective teaching tools, which will allow you not only to expand your professional skills, but also to improve your leadership and management skills in just 6 weeks and 100% online.

Thanks to this program, you will master the ethical principles and best practices that govern research in Health Sciences"

TECH makes the goals of their students their own goals too.
Working together to achieve them

The **Postgraduate Certificate in Research in Health Sciences** will enable students to:

01 Determine the importance of medical databases

02 Delve into the most important techniques in research

03 Determine the different types and applications of telemedicine

04 Collect eHealth success stories and mistakes to avoid

05 Determine the need for scientific research

06   Interpret scientific methodology

08   Establish the principles of evidence-based medicine

09   Examine the needs to interpret scientific results

07   Specify the need for types of research in health sciences, each in their context

10   Examine the methodology used to disseminate scientific research results and the ethical and legislative principles that govern it

Structure and Content

The success of TECH's programs lies in the thoroughness with which it designs both the structure and the content of each one of them. In addition, it takes care to include in each program hours of additional material in different formats, so that its graduates can delve into each aspect of the syllabus in a personalized way. Thanks to this, it has been possible to create thousands of quality programs, unique in the market and with which, undoubtedly, any professional will be able to achieve success in their sector.

"

Would you like to define yourself as an expert in PubMed-Medline, Embase or Enfispo? With this Postgraduate Certificate you will master the search of data through these and other databases"

Syllabus

The syllabus of this Postgraduate Certificate in Research in Health Sciences has been developed by its teaching team, taking into account the latest developments related to this area and the most exhaustive and austere information for its specialization.

In this way, it has been possible to conform a complete, dynamic and highly capacitating program, thanks to which graduates will be able to work on the improvement of their leadership skills and the acquisition of the necessary competences to successfully develop a research project within the different scientific areas.

For this they will have 150 hours of the best content, which they will be able to enjoy during 6 weeks. In this way they will be able to delve into the legislation, the communication of results, the planning and financing of business strategies and the different scientific resources for the bibliographic search. As a result, they will acquire the knowledge of a well-versed manager prepared to assume the responsibility of a large entity.

This Postgraduate Certificate is developed over 6 weeks and is divided into 1 single module:

Module 1. Research in Health Sciences

Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate Certificate in Research in Health Sciences completely online. During the 6 weeks of the specialization, the student will be able to access all the contents of this program at any time, which will allow them to self-manage their study time.

A unique, key, and decisive educational experience to boost your professional development and make the definitive leap.

Module 1. Research in Health Sciences

1.1. Scientific Research (I). The Scientific Method
1.1.1. Scientific Research
1.1.2. Research in Health Sciences
1.1.3. The Scientific Method

1.2. Scientific Research (II). Typology
1.2.1. Basic Research
1.2.2. Clinical Research
1.2.3. Translational Research

1.3. Evidence-Based Medicine
1.3.1. Evidence-Based Medicine
1.3.2. Principles of Evidence-Based Medicine
1.3.3. Methodology of Evidence-Based Medicine

1.4. Ethics and Legislation in Scientific Research. Declaration of Helsinki
1.4.1. The Ethics Committee
1.4.2. Declaration of Helsinki
1.4.3. Ethics in Health Sciences

1.5. Scientific Research Results
1.5.1. Methods
1.5.2. Rigor and Statistical Power
1.5.3. Scientific Results Validity

1.6. Public Communication
1.6.1. Scientific Societies
1.6.2. Scientific Conferences
1.6.3. Communication Structures

1.7. Funding in Scientific Research
1.7.1. Structure in Scientific Projects
1.7.2. Public Funding
1.7.3. Private and Industrial Funding

1.8. Scientific Resources in Literature Searching. Health Sciences Databases (I)
1.8.1. PubMed-Medline
1.8.2. Embase
1.8.3. WOS and JCR
1.8.4. Scopus and Scimago
1.8.5. Micromedex
1.8.6. MEDES
1.8.7. IBECS
1.8.8. LILACS
1.8.9. CSIC Databases: ISOC and ICYT
1.8.10. BDENF
1.8.11. Cuidatge
1.8.12. CINAHL
1.8.13. Cuiden Plus
1.8.14. Enfispo
1.8.15. NCBI (OMIM, TOXNET) and NIH (National Cancer Institute) Databases

1.9. Scientific Resources in Literature Searching. Health Sciences Databases (II)

1.9.1. NARIC - Rehabdata
1.9.2. PEDro
1.9.3. ASABE: Technical Library
1.9.4. CAB Abstracts
1.9.5. CSIC-Indexes
1.9.6. Centre for Reviews and Dissemination (CRD) Databases:
1.9.7. Biomed Central BMC
1.9.8. ClinicalTrials.gov
1.9.9. Clinical Trials Register
1.9.10. DOAJ- Directory of Open Access Journals
1.9.11. PROSPERO (International Prospective Register of Systematic Reviews)
1.9.12. TRIP
1.9.13. LILACS
1.9.14. NIH. Medical Library
1.9.15. Medline Plus
1.9.16. OPS

1.10. Scientific Resources in Literature Searching (III). Search Engines and Platforms

1.10.1. Search Engines and Multisearch Engines
    1.10.1.1. Findr
    1.10.1.2. Dimensions
    1.10.1.3. Google Scholar
    1.10.1.4. Microsoft Academic
1.10.2. WHO International Clinical Trials Registration Platform (ICTRP)
    1.10.2.1. PubMed Central PMC
    1.10.2.1. Open Science Collector (RECOLECTA)
    1.10.2.2. Zenodo
1.10.3. Doctoral Thesis Search Engines
    1.10.3.1. DART-Europe
    1.10.3.2. Dialnet
    1.10.3.3. OATD (*Open Access Theses and Dissertations*)
    1.10.3.4. TDR (Doctoral Theses Online)
    1.10.3.5. TESEO
1.10.4. Bibliography Managers
    1.10.4.1. Endnote Online
    1.10.4.2. Mendeley
    1.10.4.3. Zotero
    1.10.4.4. Citeulike
    1.10.4.5. Refworks
1.10.5. Digital Social Networks for Researchers
    1.10.5.1. Scielo
    1.10.5.2. Dialnet
    1.10.5.3. Free Medical Journals
    1.10.5.4. DOAJ
    1.10.5.5. Open Science Directory
    1.10.5.6. Redalyc
    1.10.5.7. Academia.edu
    1.10.5.8. Mendeley
    1.10.5.9. ResearchGate
1.10.6. Social Web 2.0 Resources
    1.10.6.1. Delicious
    1.10.6.2. SlideShare
    1.10.6.3. YouTube
    1.10.6.4. Twitter
    1.10.6.5. Health Science Blogs
    1.10.6.6. Facebook.
    1.10.6.7. Evernote
    1.10.6.8. Dropbox
    1.10.6.9. Google Drive
1.10.7. Scientific Journal Publishers and Aggregators Portals
    1.10.7.1. Science Direct
    1.10.7.2. Ovid
    1.10.7.3. Springer
    1.10.7.4. Wiley
    1.10.7.5. Proquest
    1.10.7.6. Ebsco
    1.10.7.7. BioMed Central

06
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"

TECH Business School uses the Case Study to contextualize all content

Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

"
At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world"

This program prepares you to face business challenges in uncertain environments and achieve business success.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch to present executives with challenges and business decisions at the highest level, whether at the national or international level. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and business reality is taken into account.

You will learn, through collaborative activities and real cases, how to solve complex situations in real business environments"

The case method has been the most widely used learning system among the world's leading business schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question we face in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They must integrate all their knowledge, research, argue and defend their ideas and decisions.

Our program prepares you to face new challenges in uncertain environments and achieve success in your career.

Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

Our online system will allow you to organize your time and learning pace, adapting it to your schedule. You will be able to access the contents from any device with an internet connection.

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our online business school is the only one in the world licensed to incorporate this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.

01 learning from evidence

02 relearning from evidence

08 competencies testing (retesting)

07 case based learning through storytelling

03 testing

06 Von-Restorff effect

05 neurocognitive context dependent learning

04 learning from an expert

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. With this methodology we have trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, markets, and financial instruments. All this in a highly demanding environment, where the students have a strong socio-economic 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.

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.

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.

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.

Management Skills Exercises

They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager needs to develop in the context of the globalization we live in.

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.

30%

10%

8%

3%

30%

15%

4%

Case Studies

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best senior management specialists in the world.

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".

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.

07
Our Students' Profiles

The Postgraduate Certificate in Research in Health Sciences is aimed at Graduates who have previously completed any of the following degrees in the field of Social and Legal Sciences, Administration and Economics.

This program uses a multidisciplinary approach as the students have a diverse set of academic profiles and represent multiple nationalities.

The Postgraduate Certificate may also be taken by professionals who, being university graduates in any area, have two years of work experience in the field of Medical Research.
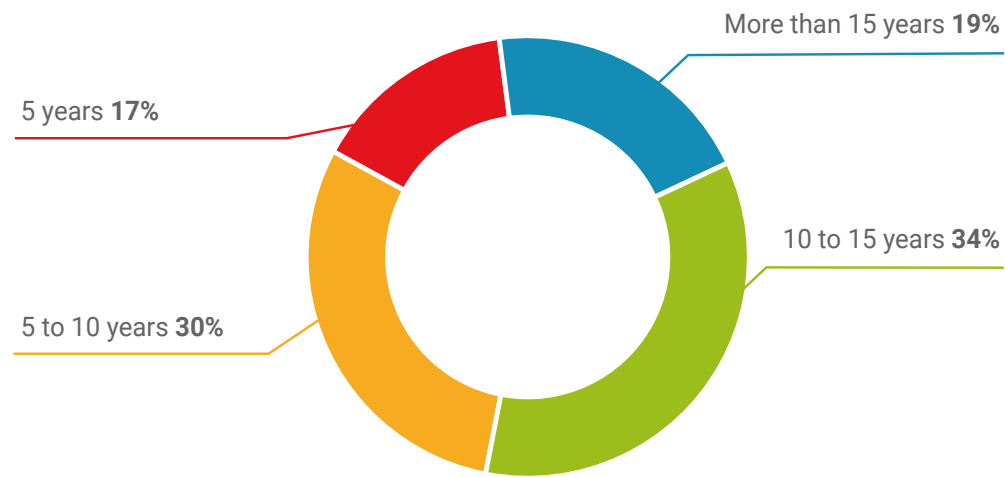
"Whatever field you come from, this Postgraduate Certificate is a perfect option to give your professional career the boost it needs to achieve business success"
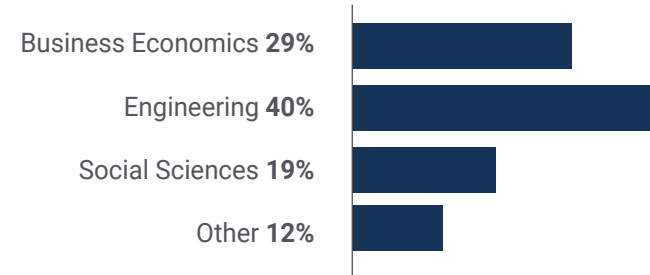
Average Age

Between **35** and **45** years old

Years of Experience

More than 15 years **19%**

5 years **17%**

10 to 15 years **34%**

5 to 10 years **30%**

Training

Business Economics **29%**

Engineering **40%**

Social Sciences **19%**

Other **12%**

Educational Profile

Industry **39%**

Services **22%**

Entrepreneurs **29%**

Other **10%**
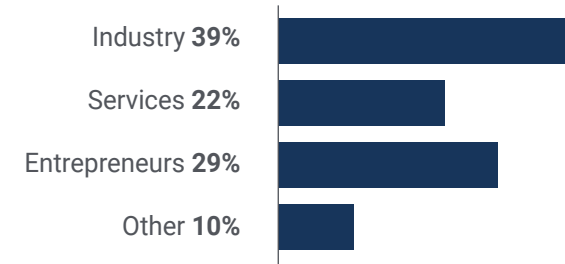
Geographical Distribution

USA **13%**

Spain **43%**

Mexico **27%**

Colombia **17%**
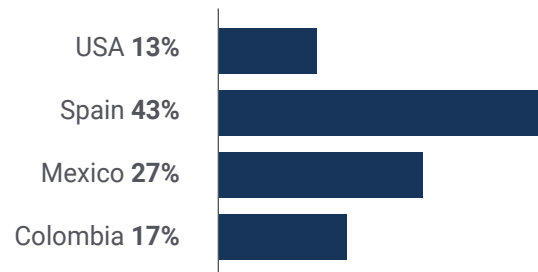
Rodrigo Fuentes

Chief Engineer in a Telemedicine Company

"The perfect choice to keep you up to date on business developments related to the wide world of Research in the Health Sciences. It is, without a doubt, a dynamic, austere, exhaustive and complete program, thanks to which you can acquire specialized knowledge about the different areas that make up this sector through an experience adapted to your needs and those of the entity you are part of"

08

Course Management

TECH has selected for this Postgraduate Certificate a faculty versed in scientific research. This is a team of professionals with a broad and extensive work experience in the participation of projects in different fields, which are also currently active. Thanks to this, they can bring to the educational experience a current, innovative, critical and dynamic character, aspects that will help the graduate to get the most out of this program.

The teaching team of this Postgraduate Certificate will be at your disposal to answer any questions you may have, as well as to provide you with the resources you need to understand any aspect of the syllabus"

Management

Ms. Sirera Pérez, Ángela

- Biomedical Engineer expert in Nuclear Medicine and Exoskeleton Design
- Designer of specific parts for 3D printing at Technadi
- Technician in the Nuclear Medicine Department of the Clinical University of Navarra
- Degree in Biomedical Engineering from the University of Navarra
- MBA and Leadership in Healthcare and Medical Technology Companies

Impact on Your Career

For any graduate, having this program in their academic curriculum can become a significant asset that will make them stand out in any personnel selection process. You will be able to demonstrate that you have the most up-to-date and austere knowledge related to research in Health Sciences, which is necessary to successfully manage a business project in this field.

With the course of this program you will bring to your career a plus of professionalism and exclusivity, shaping you as a specialist versed in Research in Health Sciences"

Are you ready to take the leap?
Excellent professional development awaits you

TECH's Postgraduate Certificate in Research in Health Sciences is an intensive program that prepares you to face challenges and business decisions in the field of Engineering and Telemedicine. The main objective is to promote your personal and professional growth. Helping you achieve success.

If you want to improve, make a positive change at a professional level and network with the best, then this is the place for you.

The mastery of scientific resources for the bibliographic search that you will acquire with this Postgraduate Certificate will place you at the top of the business sector"

A program designed to have a positive impact on your career, which will be reflected in an improvement in your profession and a considerable increase in your salary.

Time of Change

During the program	During the first year	After 2 years
18%	**60%**	**22%**

Type of Change

Internal Promotion **38%**

Change of Company **35%**

Entrepreneurship **27%**
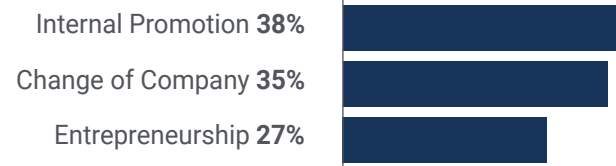
Salary Increase

The completion of this program represents a salary increase of more than **28%** for our students.

Salary before	A salary increase of	Salary after
$55,500	**28%**	**$71,000**

10

Benefits for Your Company

The course of this program may be the best option to learn in detail the most innovative and effective business strategies related to Research in Health Sciences and applicable to any project that seeks to succeed in the Telemedicine market. It is, therefore, a unique opportunity to raise the talent of the entity based on the acquisition of a unique and specialized knowledge in this area.

"

This Postgraduate Certificate will give you the keys to be able to take on more complex tasks related, for example, to public communication and scientific structures"

Developing and retaining talent in companies is the best long-term investment.

01

Growth of talent and intellectual capital

The professional will introduce the company to new concepts, strategies, and perspectives that can bring about significant changes in the organization.

02

Retaining high-potential executives to avoid talent drain

This program strengthens the link between the company and the professional and opens new avenues for professional growth within the company.

03

Building agents of change

You will be able to make decisions in times of uncertainty and crisis, helping the organization overcome obstacles.

04

Increased international expansion possibilities

Thanks to this program, the company will come into contact with the main markets in the world economy.

tech

05 Project Development

The professional can work on a real project or develop new projects in the field of R & D or business development of your company.

06 Increased competitiveness

This program will equip students with the skills to take on new challenges and drive the organization forward.

Certificate

The Postgraduate Certificate in Research in Health Sciences guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.

"Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

This **Postgraduate Certificate in Research in Health Sciences** contains the most complete and up-to-date 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 Research in Health Sciences**

Official Nº of Hours: **150 h.**

tech technological university

Awards the following
CERTIFICATE
to

Mr./Ms. _____, with identification number _____.
For having passed and accredited the following program

POSTGRADUATE CERTIFICATE
in

Research in Health Sciences

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

Unique TECH Code: AFWORD23S   techtitute.com/certificates

*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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