Postgraduate Diploma

Health System. Clinical Medicine and Research

tech technological university

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Postgraduate Diploma
Health System. Clinical Medicine and Research

» Modality: **online**

» Duration: **6 months**

» 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, Administrative and Business Sciences**

Website: **www.techtitute.com/us/school-of-business/postgraduate-diploma/postgraduate-diploma-health-system-clinical-medicine-research**

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01
Welcome

The business sector related to any medical entity is complex. It is a field that requires specialized knowledge for its management, not only in terms of business strategies and administration, but also in adapting them to the specificities of the different types of healthcare centers. That is why the figure of the professional versed in the management of hospitals, clinics and health centers is currently in high demand, but requires a high degree of specialization. For this reason, TECH Technological University has launched this complete program, so that the graduate can learn in detail the ins and outs of the healthcare company: resource management, metrics, successful business models, etc. In this way, they will be able to work on perfecting their managerial skills through a 100% online program that is highly empowering.

Postgraduate Diploma in Health System. Clinical Medicine and Research. TECH Technological University

A program that adapts to you, through its content and teaching methodology, so that you can succeed in the telemedicine business sector with the support of a 100% online qualification"

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 centre for intensive managerial skills training.

> " *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 combines 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.

100,000+ executives trained 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 (a postgraduate learning methodology with the highest international rating) with the Case Study. A complex balance between tradition and state-of-the-art, within the context of the most demanding academic 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 studies in the academic community"

03
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 training of the highest academic level"

This program will provide students with a multitude of professional and personal advantages, particularly the following:

01

A significant career boost

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 participants achieve positive career development in less than 2 years.

02

Develop a strategic and global vision of companies

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

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

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 areas 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

Be part of an exclusive community

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

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

04
Objectives

The objective of this course is none other than to provide students with all the academic tools that will enable them to achieve their own goals in their professional sector. TECH Technological University and its team of experts have invested dozens of hours in creating a complete, up-to-date, comprehensive and top-quality qualification, adapted to the most demanding market specifications. Therefore, by completing the course, the student will have acquired all the necessary skills to successfully perform in any prestigious position within telemedicine.

"A program adapted to the current specifications of the telemedicine sector, so that you can achieve your own business goals in less time than you think"

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

This **Postgraduate Diploma in Health System. Clinical Medicine and Research** will enable the student to:

01 Understand the diseases of the circulatory and respiratory systems

02 Determine the general pathology of the digestive and urinary apparatus, of the endocrine and metabolic systems and of the nervous system

03 Generate expertise in diseases affecting the blood and the locomotor system

04 Determine what a health system is

05 Analyze the different healthcare models in Europe

06 Examine how the healthcare market functions

08 Generate specialized knowledge of health measures

09 Delve into resource allocation methods

07 Develop key knowledge of hospital design and architecture

10 Compile productivity management methods

11 Establish the role played by Project Managers

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

12 Determine the need for scientific research

13 Interpret scientific methodology
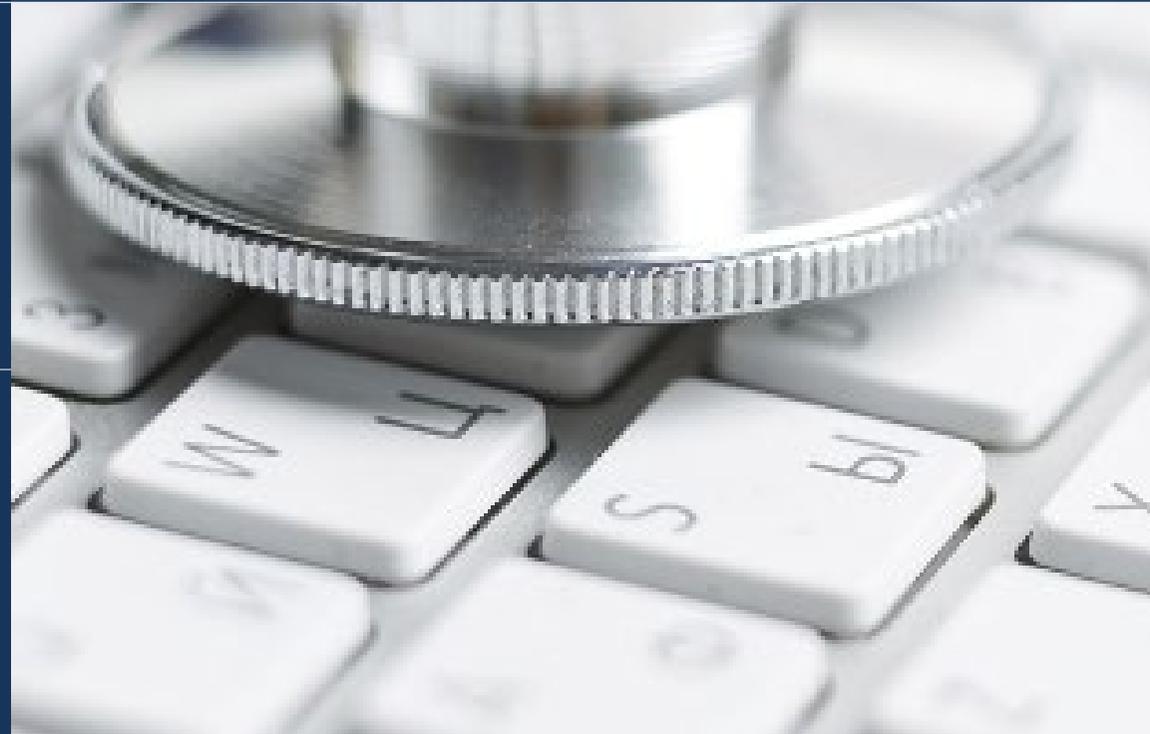
15 Establish the principles of evidence-based medicine

16 Examine the needs to interpret scientific results

17 Develop and interpret the basics of clinical trials

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

05
Structure and Content

TECH invests hundreds of hours in the development of each of its programs. For this reason, its qualifications are the result of the effort and perseverance of a team of experts who always strive to create the best content, adapted to the specifications of the sector, market demand and the immediate relevance of the subject matter. All of this is compiled in a convenient and accessible 100% online program that gives students the opportunity to organize their academic experience in a personalized way that is perfectly compatible with their work and personal life.

"You will be able to delve into healthcare resource allocation methods, so that you can optimize expenses and reduce your company's costs"

Syllabus

This Postgraduate Diploma in Health System. Clinical Medicine and Research offered by TECH is an intensive and multidisciplinary program that will prepare the graduate to face the labor market and the most ambitious and complex projects in the telemedicine sector, with the guarantee of having the most up-to-date and complete knowledge.

The content of the program is designed to broaden the student's professional skills, through the mastery of the tools that are currently being used, both for research in the health sciences and for data management.

This is a program in which you will have 450 hours of the best theoretical, practical and additional material, with which you will be able to delve into the applications of this area and adapt your profile to the labor demand that currently exists in the professional sector.

This Postgraduate Diploma takes place over 6 months and is divided into 3 modules:

Module 1.	Molecular Medicine and Pathology Diagnosis
Module 2.	Health system Management and Administration in Health Centers
Module 3.	Research in Health Sciences

Where, When and How is it Taught?

TECH offers you the possibility to study this Postgraduate Diploma in Health System. Clinical Medicine and Research completely online. Throughout the 6 months of the educational program, you will be able to access all the contents of this program at any time, allowing you to self-manage your study time.

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

Module 1. Molecular Medicine and Pathology Diagnosis

1.1. Molecular Medicine

1.1.1. Cellular and Molecular Biology. Cell Injury and Cell Death. Aging
1.1.2. Diseases Caused by Microorganisms and Host Defence
1.1.3. Autoimmune Diseases
1.1.4. Toxicological Diseases
1.1.5. Hypoxia Diseases
1.1.6. Diseases related to the Environment
1.1.7. Genetic Diseases and Epigenetics
1.1.8. Oncological Diseases

1.2. Circulatory System

1.2.1. Anatomy and Function
1.2.2. Myocardial Diseases and Heart Failure
1.2.3. Cardiac Rhythm Diseases
1.2.4. Valvular and Pericardial Diseases
1.2.5. Atherosclerosis, Arteriosclerosis and Arterial Hypertension
1.2.6. Peripheral Arterial and Venous Disease
1.2.7. Lymphatic Disease (Greatly Overlooked)

1.3. Respiratory Diseases

1.3.1. Anatomy and Function
1.3.2. Acute and Chronic Obstructive Pulmonary Diseases
1.3.3. Pleural and Mediastinal Diseases
1.3.4. Infectious Diseases of the Pulmonary Parenchyma and Bronchi
1.3.5. Pulmonary Circulation Diseases

1.4. Digestive System Diseases

1.4.1. Anatomy and Function
1.4.2. Digestive System, Nutrition, and Hydroelectrolyte Exchange
1.4.3. Gastroesophageal Diseases
1.4.4. Gastrointestinal Infectious Diseases
1.4.5. Liver and Biliary Tract Diseases
1.4.6. Pancreatic Diseases
1.4.7. Colon Diseases

1.5. Renal and Urinary Tract Diseases

1.5.1. Anatomy and Function
1.5.2. Renal Insufficiency (Prerenal, Renal, and Postrenal): How They Are Triggered
1.5.3. Obstructive Urinary Tract Diseases
1.5.4. Sphincteric Insufficiency in the Urinary Tract
1.5.5. Nephrotic Syndrome and Nephritic Syndrome

1.6. Endocrine System Diseases

1.6.1. Anatomy and Function
1.6.2. The Menstrual Cycle and Associated Conditions
1.6.3. Thyroid Disease
1.6.4. Adrenal Insufficiency
1.6.5. Disorders of Sexual Differentiation
1.6.6. Hypothalamic-Pituitary Axis, Calcium Metabolism, Vitamin D and Effects on Growth and Skeleton

1.7. Metabolism and Nutrition

1.7.1. Essential and Non-Essential Nutrients: Clarifying Definitions
1.7.2. Carbohydrate Metabolism and Alterations
1.7.3. Protein Metabolism and Alterations
1.7.4. Lipids Metabolism and Alterations
1.7.5. Iron Metabolism and Alterations
1.7.6. Disorders of Acid-Base Balance
1.7.7. Sodium and Potassium Metabolism and Alterations
1.7.8. Nutritional Diseases (Hypercaloric and Hypocaloric)

1.8. Hematologic Diseases

1.8.1. Anatomy and Function
1.8.2. Red Blood Cell Disorders
1.8.3. Diseases of White Blood Cells, Lymph Nodes and Spleen
1.8.4. Hemostasis and Bleeding Diseases

1.9. Musculoskeletal System Diseases

1.9.1. Anatomy and Function
1.9.2. Joints: Types and Function
1.9.3. Bone Regeneration
1.9.4. Normal and Pathological Skeletal System Development
1.9.5. Deformities of the Upper and Lower Limbs
1.9.6. Joint Pathology, Cartilage, and Synovial Fluid Analysis
1.9.7. Joint Diseases with Immunologic Origin

1.10. Nervous System Diseases

1.10.1. Anatomy and Function
1.10.2. Central and Peripheral Nervous System Development
1.10.3. Development of the Spine and Components
1.10.4. Cerebellum and Proprioceptive Diseases
1.10.5. Brain Disorders (Central Nervous System)
1.10.6. Spinal Cord and Cerebrospinal Fluid Diseases
1.10.7. Stenotic Diseases of the Peripheral Nervous System
1.10.8. Infectious Diseases of the Central Nervous System
1.10.9. Cerebrovascular Disease (Stenotic and Hemorrhagic)

Module 2. Health System. Management and Administration in Health Centers

2.1. Healthcare Systems
2.1.1. Healthcare Systems
2.1.2. Healthcare Systems according to the WHO
2.1.3. Healthcare Context

2.2. Healthcare Models I. Bismark Model vs. Beveridge Model
2.2.1. Bismark Model
2.2.2. Beveridge Model
2.2.3. Bismark Model Beveridge Model

2.3. Healthcare Models II. Semashko, Private and Mixed Models
2.3.1. Semashko Model
2.3.2. Private Model
2.3.3. Mixed Models

2.4. The Health Market
2.4.1. The Health Market
2.4.2. Health Market Regulation and Limitations
2.4.3. Payment Methods for Doctors and Hospitals
2.4.4. Clinical Engineers

2.5. Hospitals. Typology
2.5.1. Hospital Architecture
2.5.2. Types of Hospitals
2.5.3. Hospital Organization

2.6. Health Metrics
2.6.1. Mortality
2.6.2. Morbidity
2.6.3. Healthy Life Years

2.7. Health Resource Allocation Methods
2.7.1. Lineal Programming
2.7.2. Maximization Models
2.7.3. Minimization Models

2.8. Measuring Healthcare Productivity
2.8.1. Measuring Health Productivity
2.8.2. Productivity Ratios
2.8.3. Input Adjustment
2.8.4. Output Adjustment

2.9. Health Process Improvement
2.9.1. Lean Management Process
2.9.2. Work Simplification Tools
2.9.3. Troubleshooting Tools

2.10. Healthcare Project Management
2.10.1. The Role Played by Project Managers
2.10.2. Team and Project Management Tools
2.10.3. Schedule and Time Management

Module 3. Research in Health Sciences

3.1. Scientific Research I. The Scientific Method
3.1.1. Scientific Research
3.1.2. Research in Health Sciences
3.1.3. The Scientific Method

3.2. Scientific Research II. Typology
3.2.1. Basic Research
3.2.2. Clinical Research
3.2.3. Translational Research

3.3. Evidence-Based Medicine
3.3.1. Evidence-Based Medicine
3.3.2. Principles of Evidence-Based Medicine
3.3.3. Methodology of Evidence-Based Medicine

3.4. Ethics and Legislation in Scientific Research. Declaration of Helsinki
3.4.1. The Ethics Committee
3.4.2. Declaration of Helsinki
3.4.3. Ethics in Health Sciences

3.5. Scientific Research Results
3.5.1. Methods
3.5.2. Rigor and Statistical Power
3.5.3. Scientific Results Validity

3.6. Public Communication
3.6.1. Scientific Societies
3.6.2. Scientific Conferences
3.6.3. Communication Structures

3.7. Funding in Scientific Research
3.7.1. Structure in Scientific Projects
3.7.2. Public Financing
3.7.3. Private and Industrial Funding

3.8. Scientific Resources in Literature Searching. Health Sciences Databases I
3.8.1. PubMed-Medline
3.8.2. Embase
3.8.3. WOS and JCR
3.8.4. Scopus and Scimago
3.8.5. Micromedex

3.8.6. MEDES
3.8.7. IBECS
3.8.8. LILACS
3.8.9. BDENF
3.8.10. Cuidatge
3.8.11. CINAHL
3.8.12. Cuiden Plus
3.8.13. Enfispo
3.8.14. NCBI (OMIM, TOXNET) and NIH (National Cancer Institute) Databases

3.9. Scientific Resources in Literature Searching. Health Sciences Databases II
3.9.1. NARIC - Rehabdata
3.9.2. PEDro
3.9.3. ASABE: Technical Library
3.9.4. CAB Abstracts
3.9.5. Centre for Reviews and Dissemination (CRD) Databases:
3.9.6. Biomed Central BMC

3.9.7. ClinicalTrials.gov
3.9.8. Clinical Trials Register
3.9.9 DOAJ- Directory of Open Access Journals
3.9.10. PROSPERO (International Prospective Register of Systematic Reviews)
3.9.11. TRIP
3.9.12. LILACS
3.9.13. NIH. Medical Library
3.9.14. Medline Plus
3.9.15. OPS

3.10. Scientific Resources in Literature Searching III. Search Engines and Platforms
3.10.1. Search Engines and Multisearch Engines
3.10.1.1. Findr
3.10.1.2. Dimensions
3.10.1.3. Google Scholar
3.10.1.4. Microsoft Academic

3.10.2. WHO International Clinical Trials Registration Platform (ICTRP)
3.10.2.1. PubMed Central PMC
3.10.2.2. Open Science Collector (RECOLECTA)
3.10.2.3. Zenodo
3.10.3. Doctoral Thesis Search Engines
3.10.3.1. DART-Europe
3.10.3.2. Dialnet
3.10.3.3. OATD (Open Access Theses and Dissertations)
3.10.3.4. TDR (Doctoral Theses Online)
3.10.3.5. TESEO

3.10.4. Bibliography Managers
3.10.4.1. Endnote Online
3.10.4.2. Mendeley
3.10.4.3. Zotero
3.10.4.4. Citeulike
3.10.4.5. Refworks
3.10.5. Digital Social Networks for Researchers
3.10.5.1. Scielo
3.10.5.2. Dialnet
3.10.5.3. Free Medical Journals
3.10.5.4. DOAJ
3.10.5.5. Open Science Directory
3.10.5.6. Redalyc
3.10.5.7. Academia.edu
3.10.5.8. Mendeley
3.10.5.9. ResearchGate

3.10.6. Social Web 2.0 Resources
3.10.6.1. Delicious
3.10.6.2. SlideShare
3.10.6.3. YouTube
3.10.6.4. Twitter
3.10.6.5. Health Science Blogs
3.10.6.6. Facebook
3.10.6.7. Evernote
3.10.6.8. Dropbox
3.10.6.9. Google Drive

3.10.7. Scientific Journal Publishers and Aggregators Portals
3.10.7.1. Science Direct
3.10.7.2. Ovid
3.10.7.3. Springer
3.10.7.4. Wiley
3.10.7.5. Proquest
3.10.7.6. Ebsco
3.10.7.7. BioMed Central

"

You will have a specific module focused on the management and direction of healthcare centers, as well as hours of additional material to delve into its intricacies"

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.

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

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.

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

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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.

Our Students' Profiles

This Postgraduate Diploma in Health System. Clinical Medicine and Research is aimed at university graduates, postgraduates and undergraduates who have previously completed any of the following programs in the fields 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 Diploma can also be taken by professionals who, being university graduates in any field, have two years of work experience in the field of telemedicine.

A program aimed at professionals seeking to boost their organization or business project through comprehensive knowledge of the telemedicine area and the Health System"

Average Age

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

Years of Experience

More than 15 years **20%**

5 years **17%**

10 to 15 years **33%**

From 5 to 10 years **30%**

Training

Business Economics **30%**

Engineering **39%**

Information Technology **18%**

Other **13%**

Educational Profile

Industry **38%**

Services **23%**

Entrepreneurs **28%**

Other **11%**
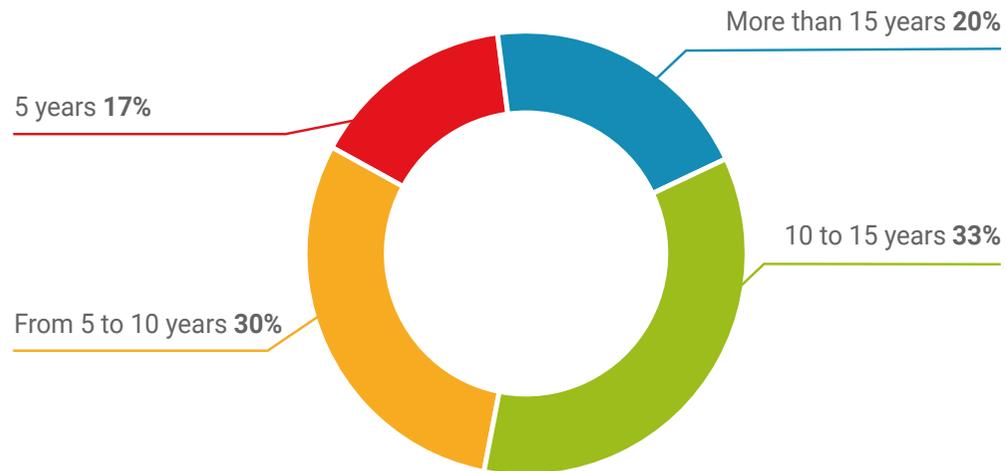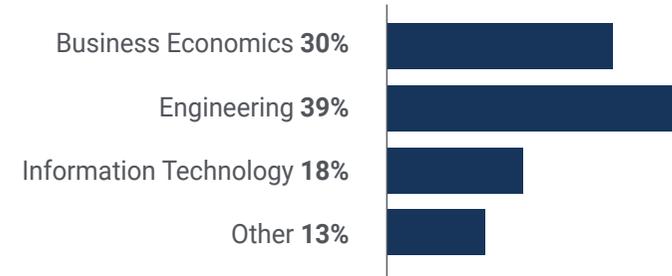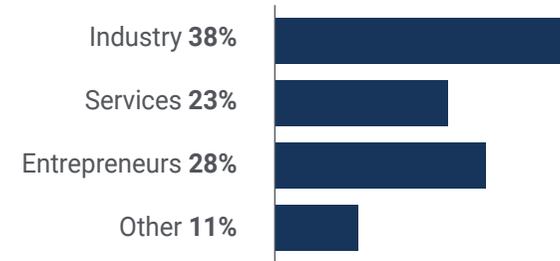
Geographical Distribution

USA **14%**

Spain **42%**

Mexico **28%**

Colombia **16%**
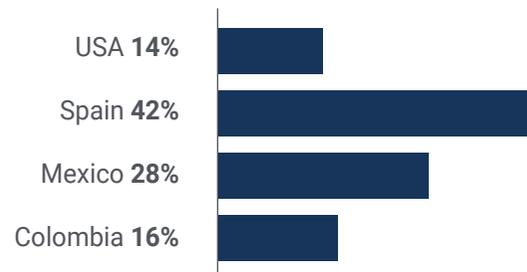
José María Méndez

Senior Big Data Coordinator

"Betting on a program like this one offered by TECH is a guarantee for the future. I am 47 years old, and when I was recommended to take this Postgraduate Diploma I thought it was not for me. However, I found in it a magnificent opportunity to give my career a boost, thanks to which, and after more than 10 years in the same company, I was promoted"

08
Course Management

To master such a complex sector as telemedicine, it is necessary to have a highly qualified teaching team versed in the area that knows the industry in detail. That is why for this Postgraduate Diploma, TECH has selected a group of professionals from different branches of Engineering and Medicine, who have a long and extensive career in the management of technological projects. It is, therefore, a unique opportunity to continue growing from the hand of experts in the area who will put their experience in the hands of graduates.

You will have the confidence of being able to resolve any doubts you may have with the teaching team through individualized tutoring"

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 area of the University Clinic of Navarra
- Degree in Biomedical Engineering from the University of Navarra
- MBA and Leadership in Healthcare and Medical Technology Companies

Professors

Mr. Varas Pardo, Pablo

- Biomedical Engineer Expert Data Scientist
- Data Scientist. Institute of Mathematical Sciences (ICMAT)
- Biomedical Engineer, La Paz Hospital
- Graduate in Biomedical Engineering from the Polytechnic University of Madrid
- Internship at 12 de Octubre Hospital
- Master's Degree in Technological Innovation in Health, UPM and Higher Technical Institute of Lisbon
- Master's Degree in Biomedical Engineering Polytechnic University of Madrid

Dr. Ortega Núñez, Miguel Ángel

- Researcher in the area of Biomedicine
- Assistant Professor, Department of Medicine and Medical Specialties, University of Alcalá, Spain
- Doctorate in Health Sciences, University of Alcala
- Graduate in Health Biology from the University of Alcalá
- Master's Degree in Genetics and Cell Biology from the University of Alcalá
- Master's Degree in University Teaching

Dr. Pacheco Gutiérrez, Victor Alexander

- Specialist in Orthopedics and Sports Medicine, Dr. Sulaiman Al Habib Hospital
- Medical Advisor, Venezuelan Cycling Federatio
- Specialist, Department of Shoulder and Elbow Orthopedics and Sports Medicine, La Isabelica Clinical Center
- Medical advisor to several baseball clubs and to the Carabobo Boxing Association
- Degree in Medicine, University of Carabobo
- Specialty in Orthopedics and Traumatology, Dr. Enrique Tejera Hospital City

Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"

09

Impact on Your Career

The quality of this program, as well as the prestige and experience that underpin TECH Technological University, will provide the graduate's career with a distinctive plus that will make them stand out in any selection process. In addition, it will provide a unique set of knowledge that will translate into professional leadership and management skills, adapted to the demands of today's business sector.

Project your future towards more important companies in the telemedicine sector and give your career the boost it needs with this Postgraduate Diploma"

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

This Postgraduate Diploma in Health System. Clinical Medicine and Research at TECH Technological University is an intensive program that prepares the student to face challenges and business decisions in the field of Engineering and Bioinformatics. The main objective is to promote the student's personal and professional growth. Helping students achieve success.

Those who wish to improve themselves, achieve a positive change at a professional level and interact with the best will find their place in this program.

This Postgraduate Diploma will give you the keys, not only to master the area of Clinical Medicine and Research, but will allow you to know in detail the ins and outs of running a successful business.

A multidisciplinary educational option that will increase your chances of receiving a significant salary increase.

Time of Change

During the program	During the first year	After 2 years
19%	**59%**	**22%**

Type of Change

Internal Promotion **37%**

Change of Company **34%**

Entrepreneurship **29%**
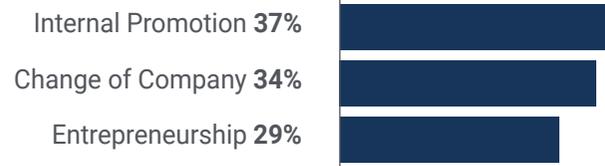
Salary Increase

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

Salary before	A salary increase of	Salary after
$57,000	**28%**	**$72,900**

10

Benefits for Your Company

Any company that has in its staff a professional who has passed this program will be able to guarantee the presence of a highly qualified manager, which will help the company to grow. The company will benefit from a series of in-depth and specific knowledge, based on the immediate current situation of the medical sector. In this way, the corporation will be able to opt for more ambitious projects with guaranteed success.

A unique opportunity to network internationally with potential partners and customers who share your business interests"

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.

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 Postgraduate Diploma will equip your professionals with the skills to take on new challenges and therefore drive the organization forward.

11

Certificate

This Postgraduate Diploma in Health System. Clinical Medicine and Research guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma 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 Diploma in Health System. Clinical Medicine and Research** 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 Diploma** issued by **TECH Technological University** via tracked delivery*.

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

Title: **Postgraduate Diploma in Health System. Clinical Medicine and Research**

Official Nº of Hours: **450 h.**

tech technological university

Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE DIPLOMA

in

Health System. Clinical Medicine and Research

This is a qualification awarded by this University, equivalent to 450 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 diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

Postgraduate Diploma
Health System. Clinical Medicine and Research

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

Postgraduate Diploma
Health System. Clinical Medicine and Research

tech *technological university*