

# Postgraduate Certificate Technopathies





## Postgraduate Certificate Technopathies

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

Website: [www.techtitute.com/us/medicine/postgraduate-certificate/technopathies](http://www.techtitute.com/us/medicine/postgraduate-certificate/technopathies)

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# 01

# Introduction

Broaden your knowledge in technopathies in order to be able to implement preventative protocols and strategies in businesses, with the objective of benefiting the occupational health of the workers. For this reason, at TECH we offer you this extensive Postgraduate Certificate to help you acquire the necessary skills to develop professionally.



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*Improve your knowledge in the field of technopathies and give a boost to your profession”*

The Postgraduate Certificate in Technopathologies has been designed to offer physicians specialized in occupational health and safety the most complete specialized course on the market on the most frequent pathologies related to different types of activity.

In addition to the theoretical content, this Postgraduate Certificate contains practical cases in which the student is expected to be able to apply the knowledge to possible situations that occur in professional practice. In this way, the student, from the new knowledge acquired and the practical skills gained, will have the necessary tools to develop in the field of occupational health with guaranteed quality prevention and care.

Studies on this subject are completely new. Thus, more and more professionals are demanding up-to-date courses on subjects in which, until now, have not been available. This is due either to the lower quality of the contents, the time investment required for on-site courses, or to the fact that they cannot be taken online. That's why at TECH, we wanted to design a specialist course easily accessible for our students, independent of their personal circumstances.

In addition, this course has the advantage of being developed in a 100% online format, so the students will be in charge of deciding when and where to study,

distributing their time among the different courses and allowing them to combine their studies with the rest of the daily commitments.

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

- ♦ More than 100 clinical cases presented by experts in the different specialities
- ♦ The graphic, schematic, and eminently practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice.
- ♦ The most frequent new developments in Technopathies.
- ♦ The presentation of hands-on workshops on procedures, diagnostic and therapeutic techniques
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments.
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*Do not miss the opportunity to specialize in this exciting field with which you can improve your performance in your daily work and improve yourself personally and professionally"*

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*We offer you a complete Postgraduate Certificate to help you develop in the field of occupational health” Don't think twice and enrol with us”*

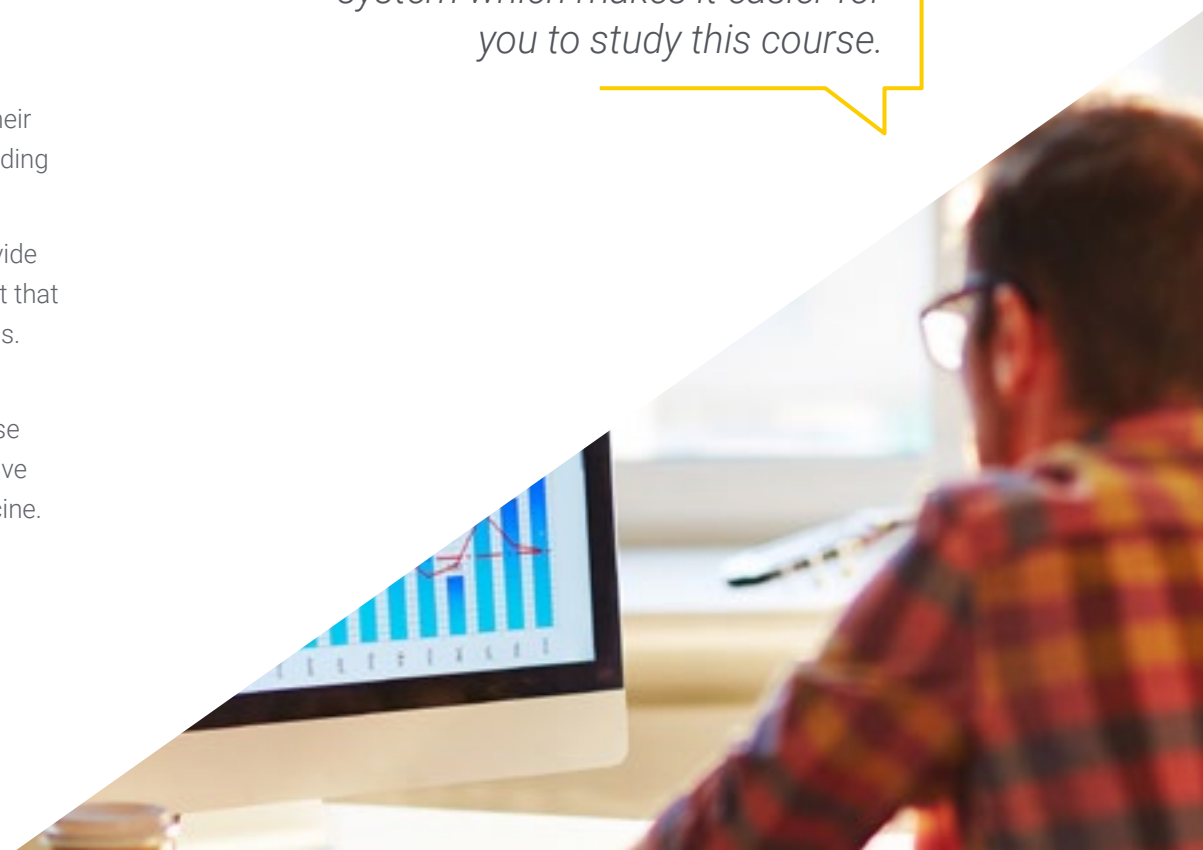
The teaching staff includes professionals from the engineering sector, who bring their experience to this specialization program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive training experience designed to train for real-life situations.

This program is designed around Problem Based Learning, where the medical professional must try to solve the different professional practice situations that arise during the course. To do so, the specialist will be assisted by an innovative interactive video system created by renowned and experienced experts in Occupational Medicine.

*This course is the best investment you can make when choosing a refresher programme to update your existing knowledge of Occupational Medicine.*

*We offer you an interactive video system which makes it easier for you to study this course.*



# 02 Objectives

The main objective of the program is the development of theoretical and practical learning, so that the physician can master in a practical and rigorous way the tasks of Occupational Health and Safety.







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*Our main objective is to help our students to achieve academic and professional excellence”*



## General Objectives

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- Have sufficient knowledge to provide a basis or opportunity for originality in the development and/or application of ideas, often in a research context.
- Apply acquired knowledge and problem-solving skills in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their area of study.
- Be able to integrate knowledge and face the complexity of making judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities linked to the application of their knowledge and judgments.
- Communicate its conclusions and the ultimate knowledge and rationale behind them to specialized and non-specialized audiences in a clear and unambiguous manner.
- Manage the learning skills that will enable them to continue studying in a largely self-directed or autonomous way.





## Specific Objectives

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- ◆ Train the student, in a practical way, to investigate, detect and control the pathologies related to the work activity in the steel and Metallurgy Industry
- ◆ Train the student, in a practical way, to investigate, detect and control the pathologies related to the work activity in the Mechanical Industry
- ◆ Train the student, in a practical way, to investigate, detect and control pathologies related to the work activity in the Plastics Industry
- ◆ Train the student, in a practical way, to investigate, detect and control pathologies related to work activity in the Wood Industry
- ◆ Train the student, in a practical way, to investigate, detect and control pathologies related to Health Activities
- ◆ Train the student, in a practical way, to investigate, detect and control the pathologies related to the work activity in the Chemical Industry
- ◆ Train the student, in a practical way, to investigate, detect and control pathologies related to mental Workload, such as work Stress, Mobbing and Burnout syndrome, regardless of the work environment in which they occur
- ◆ Train the student, in a practical way, to investigate, detect and control pathologies related to the Sick Building syndrome
- ◆ Train the student, in a practical way, to investigate, detect and control Teratogenicity and Infertility problems related to the work activity

03

# Course Management

The program's teaching staff includes leading experts in Occupational Medicine, who bring years of their own work experience to this programme. Additionally, other recognized experts participate in its design and preparation, completing the program in an interdisciplinary manner.



“

*The leading professionals in the field have come together to offer you the most comprehensive knowledge in this field, so that you can develop with total guarantees of success"*

## Management



### Dr. Ditolvi Vera, Nilo Giancarlo

- ♦ Degree in Medicine and General Surgery.
- ♦ Specialist in Occupational Medicine via MIR.
- ♦ Master's Degree in Occupational Health and Safety (Pompeu Fabra University).
- ♦ Master's Degree in Valuation of Bodily Injury and Medical Expertise (University of Barcelona).
- ♦ Expert in Occupational Toxicology (University of Barcelona).
- ♦ Since 2011, he has been working in health surveillance, occupational epidemiology, technical support in industrial hygiene, toxicology, psychosociology and ergonomics in various external prevention services.
- ♦ PSA Department of Prevention, Zaragoza

## Professors

### Dr. Girao, Italo

- ♦ University Studies in Medicine. Professional Academic School of Medicine San Luis Gonzaga National University, Peru. 1996-2002.
- ♦ Homologation of the degree of Medical Surgeon to the official Spanish university degree of Graduate in Medicine. Ministry of Education and Science. Spain. 2006
- ♦ Postgraduate degree in Public Health Management. San Luis Gonzaga National University. Peru. 2004- 2005



# 04

# Structure and Content

The structure of the syllabus has been designed by a team of professionals with knowledge of the implications of medical preparation, who are aware of the relevance of the up-to-date specialization, and are committed to quality teaching using new educational technologies.







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

## Module 1. Technopathies

- 1.1. Steelmaking, Metallurgy
- 1.2. Mechanical Industry
- 1.3. Plastics Industry
- 1.4. Wood Industry
- 1.5. Mining
- 1.6. Glass Industry
- 1.7. Chemical Industry
- 1.8. Sanitary Technopathies
- 1.9. Working with Data Screen
- 1.10. Job Stress, Burnout Syndrome and Mobbing
- 1.11. Sick Building Syndrome
- 1.12. Teratogenesis and Infertility





“*A comprehensive teaching program, structured in well-developed teaching units, oriented towards learning that is compatible with your personal and professional life”*

# 05

# Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



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*TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”*

## The student: the priority of all TECH programs

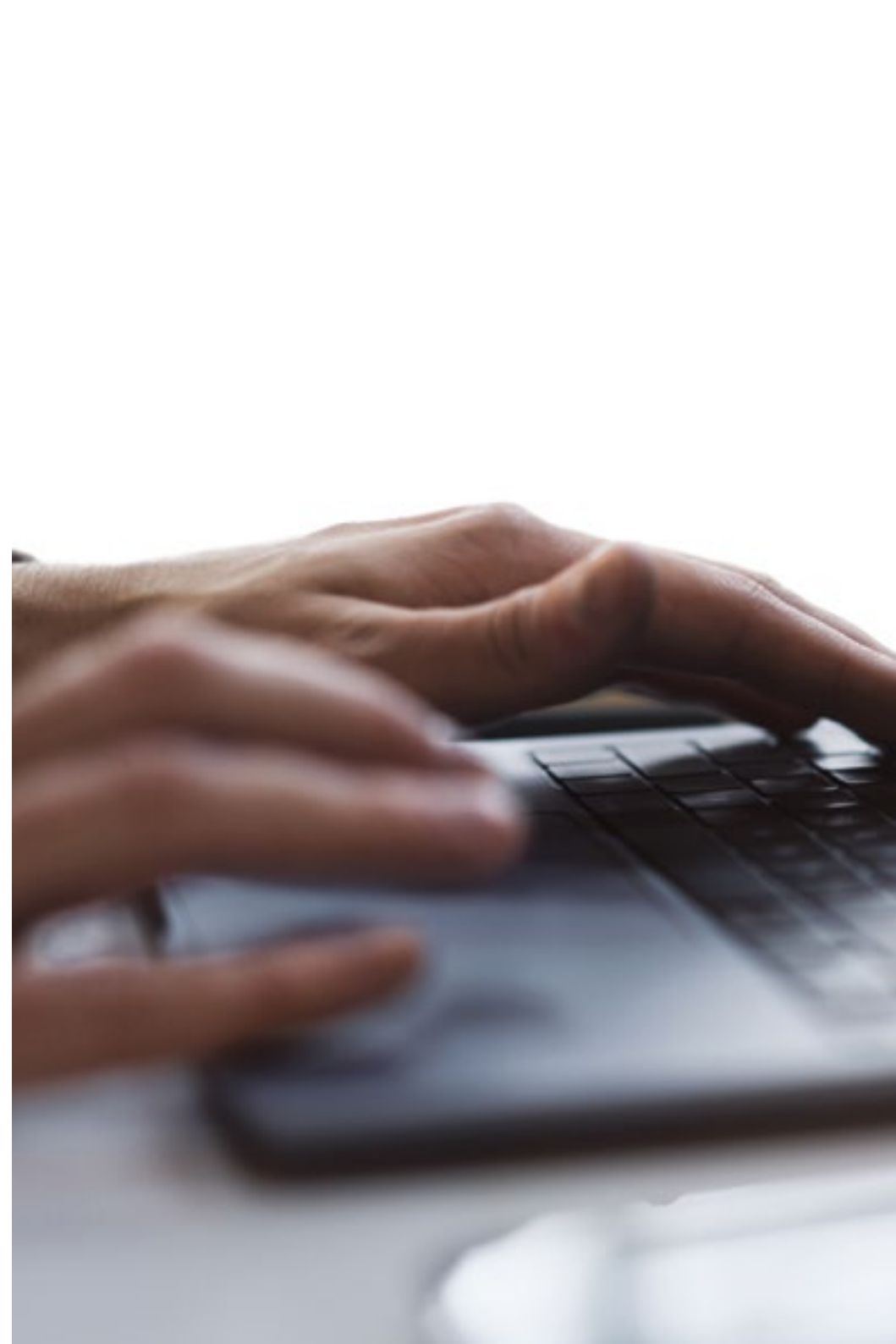
In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

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*At TECH you will NOT have live classes  
(which you might not be able to attend)”*



### The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

“*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want*”

## Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.





## Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

*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.*



## A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



*The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”*

### The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

## The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

*Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.*

*You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.*



As such, the best educational materials, thoroughly prepared, will be available in this program:



#### 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



#### Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



#### Interactive Summaries

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

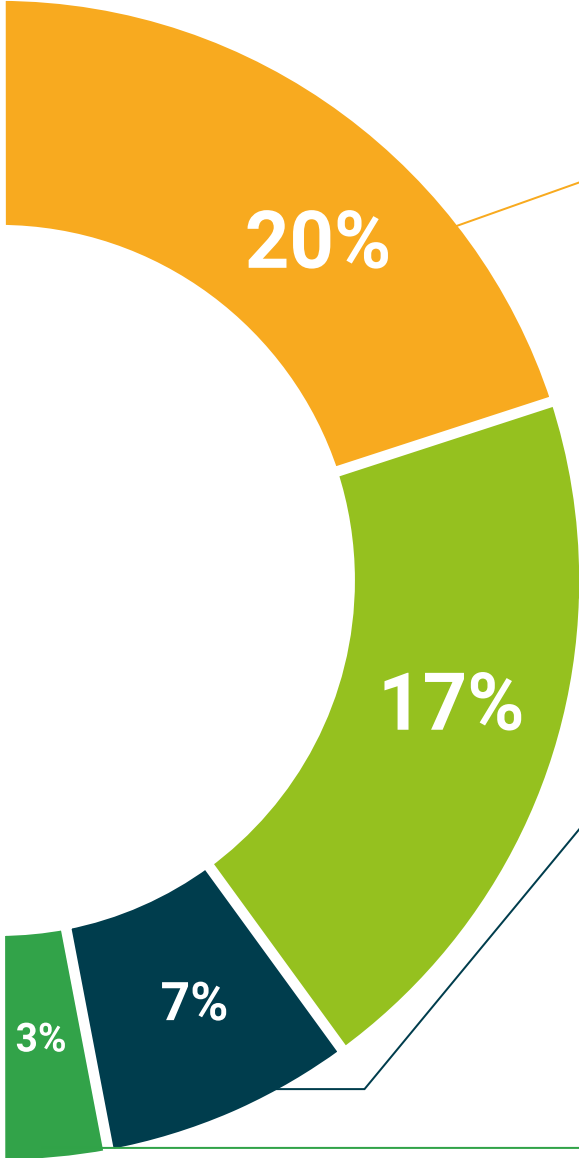
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





**Case Studies**

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.



**Testing & Retesting**

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.



**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 for 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 Technopathies guarantees, in addition to the most accurate and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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*Include in your training a Postgraduate Certificate in Technopathies: a high-quality added value for any medical professional"*

This private qualification will allow you to obtain a **Postgraduate Certificate in Technopathies** 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** private qualification 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 Technopathies**

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  
online training  
development languages  
virtual classroom



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