

Postgraduate Certificate Technopathies





Postgraduate Certificate Technopathies

Course Modality: **Online**

Duration: **6 weeks**

Certificate: **TECH Technological University**

6 ECTS Credits

Teaching Hours: **150 hours.**

Website: www.techtitute.com/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”

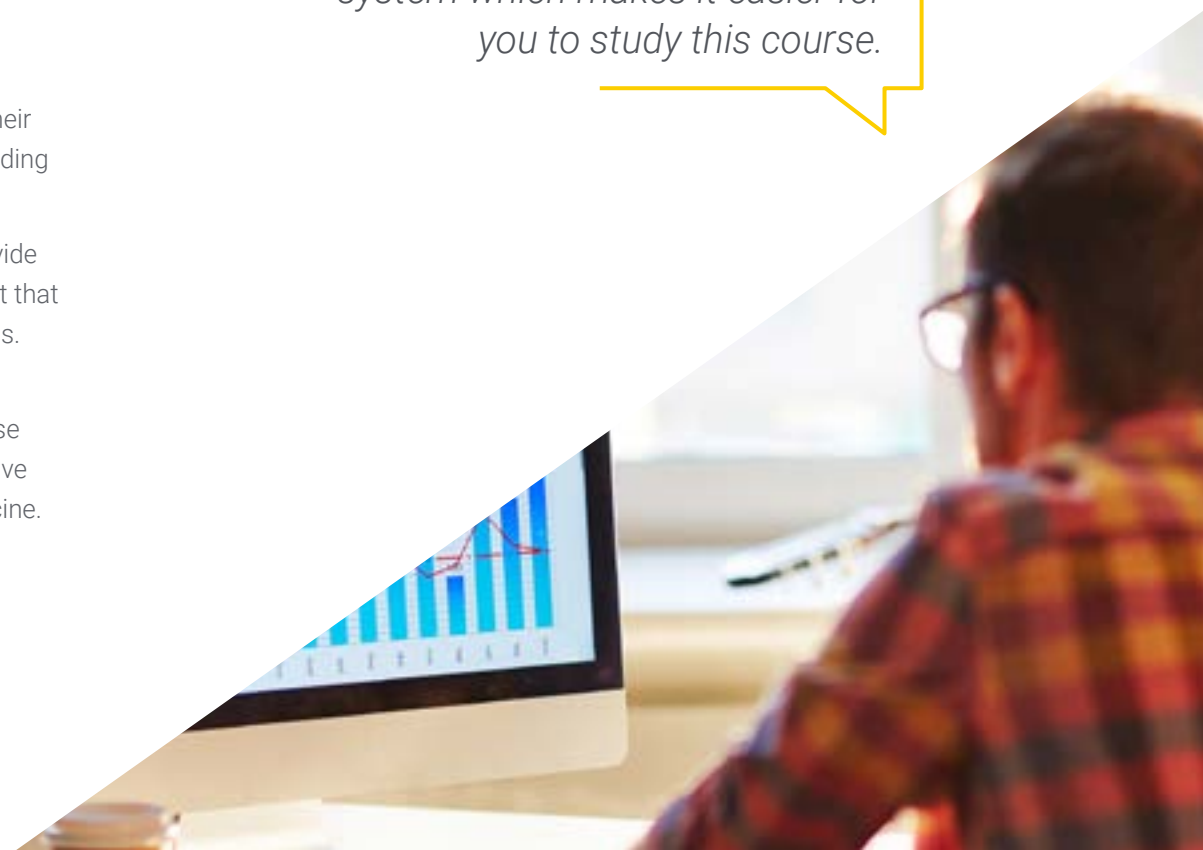
The teaching staff includes professionals from the engineering sector, who bring their experience to this specialization program, as well as renowned specialists from leading societies and prestigious universities.

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

- 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

- ◆ 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.



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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.





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

Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used in the most prestigious medical schools in the world, and major publications such as the ***New England Journal of Medicine*** have considered it to be one of the most effective.



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

At TECH we use the Case Method

In a given situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you can experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gervas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching potential or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in professional medical practice.

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Did you know that this method was developed in 1912 at Harvard for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method.

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

1. Students who follow this method not only grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on 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.



Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our University is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which represent a real revolution with respect to simply studying and analyzing cases.

The physician will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



At the forefront of world teaching, the Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 250,000 physicians with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Re-learning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

In our program, learning is not a linear process, but rather a spiral (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by our learning system is 8.01, according to the highest international standards.



In this program you will have access to the best educational material, prepared with you in mind:



Study Material

All teaching material is produced specifically for the course by the specialists who teach 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.



Latest Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



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 unique multimedia content presentation training system 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 training.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Re-Testing

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



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 our future difficult decisions.



Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06

Certificate

Through a different and stimulating learning experience, you will be able to acquire the necessary skills to take a big step in your training. An opportunity to progress, with the support and monitoring of a modern and specialized university, which will propel you to another professional level.



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

This **Postgraduate Certificate in Technopathies** contains the most complete and up-to-date scientific program on the market.

After students have passed the assessments, they will receive by certified mail their **Postgraduate Certificate** issued by TECH Technological University.

The certificate issued by **TECH Technological University** will specify the qualification obtained through the University Course, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Technopathies**

ECTS: **6**

Official Number of Hours: **150**



*Apostille Convention. In the event that the student wishes to have their paper diploma Apostilled, TECH EDUCATION will make the necessary arrangements to obtain it at an additional cost of €140 plus shipping costs of the Apostilled diploma.

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



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