

# Postgraduate Certificate Industrial Hygiene





## Postgraduate Certificate Industrial Hygiene

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

Website: [www.techtute.com/us/school-of-business/postgraduate-certificate/postgraduate-certificate-industrial-hygiene](http://www.techtute.com/us/school-of-business/postgraduate-certificate/postgraduate-certificate-industrial-hygiene)

# Index

01

Welcome

---

*p. 4*

02

Why Study at TECH?

---

*p. 6*

03

Why Our Program?

---

*p. 10*

04

Methodology

---

*p. 14*

05

Objectives

---

*p. 22*

06

Structure and Content

---

*p. 26*

07

Our Students' Profiles

---

*p. 32*

08

Course Management

---

*p. 36*

09

Impact on Your Career

---

*p. 40*

10

Benefits for Your Company

---

*p. 44*

11

Certificate

---

*p. 48*

# 01

# Welcome

In a world where work environments are diverse and embody different types of risks that compromise the health of workers, it is vital for there to be a figure that guarantees the well-being of these people, whether on a physical or psychological level. For this reason, TECH professionals have designed this very complete Postgraduate Certificate that aims to train professionals to understand the importance of preserving optimal hygiene conditions in the industrial context as a means to care and maintain people's welfare in these workplaces.

Thus, after completing this training action, the student will ensure that, in addition to being prepared to successfully enter the labor market, he/she will be fully capable of undertaking his/her own business project, being able to prevent the risks of his/her sector and learning the legal aspects about them.



Postgraduate Certificate in Industrial Hygiene. TECH - Technological University



“

*The figure of the upright, inflexible and authoritarian manager has become obsolete. A new profile has emerged, much more in line with the new trends and that stands out for being technologically savvy, practicing active listening with their workers and being self-critical of their work”*

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

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



### Academic Excellence

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TECH offers students the best online learning methodology. The university combines the *Re-learning* methodology (the most internationally recognized postgraduate learning methodology) with Harvard Business School *case studies*. A complex balance of traditional and state-of-the-art methods, within the most demanding academic framework.



### 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

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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 Harvard Business School case studies"*

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

# Methodology

This training 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.







“

*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 Business School we use the Harvard case method.**

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

“

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



*Our school is the first in the world to combine Harvard Business School case studies with a 100% online learning system based on repetition.*



*The student will learn, through collaborative activities and real cases, how to solve complex situations in real business environments.*

### **A learning method that is different and innovative.**

This TECH School of Business program is an intensive training program that prepares you to face business challenges and decisions on a managerial level, both on a national and international level. The main objective is to promote your personal and professional growth. For this purpose, we rely on the case studies of Harvard Business School, with which we have a strategic agreement that allows us to use the materials used in the most prestigious business school in the world: HARVARD.

“

*We are the only online university to offer Harvard's materials in its School of Business”*

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.

In a given situation, what would you do? This is the question that you are presented with in the case method, an action-oriented learning method. Throughout the course, you will be presented with multiple real cases. You will have to combine all your knowledge, and research, argue, and defend your ideas and decisions.

## Re-learning Methodology

Our school is the first in the world to combine Harvard Business School case studies with a 100%-online learning system based on repetition, which combines 16 different teaching elements in each lesson.

We enhance Harvard case studies with the best 100% online teaching method: Re-learning.

*In 2019 we obtained the best learning results of all Spanish-language online universities in the world.*

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 Re-learning.

Our business school is the only one in Spanish-speaking countries 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 Spanish online university indicators.





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. 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.

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

Based on the latest evidence in neuroscience, not only do we know how to organize information, ideas, images, memories, but we also know that the place and context where we have learned something is crucial for us to be able to remember it and store it in the hippocampus, and 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.



In this program you will have access to the best educational material, prepared with you 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 really 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.



### 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 difficult future decisions.



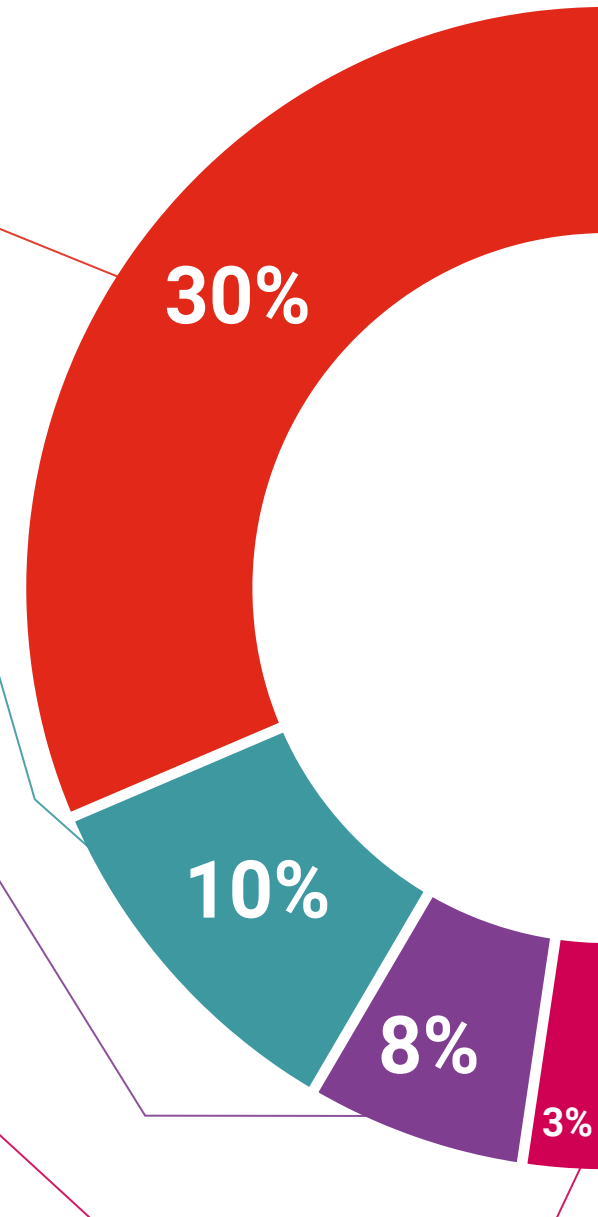
### Management Skills Exercises

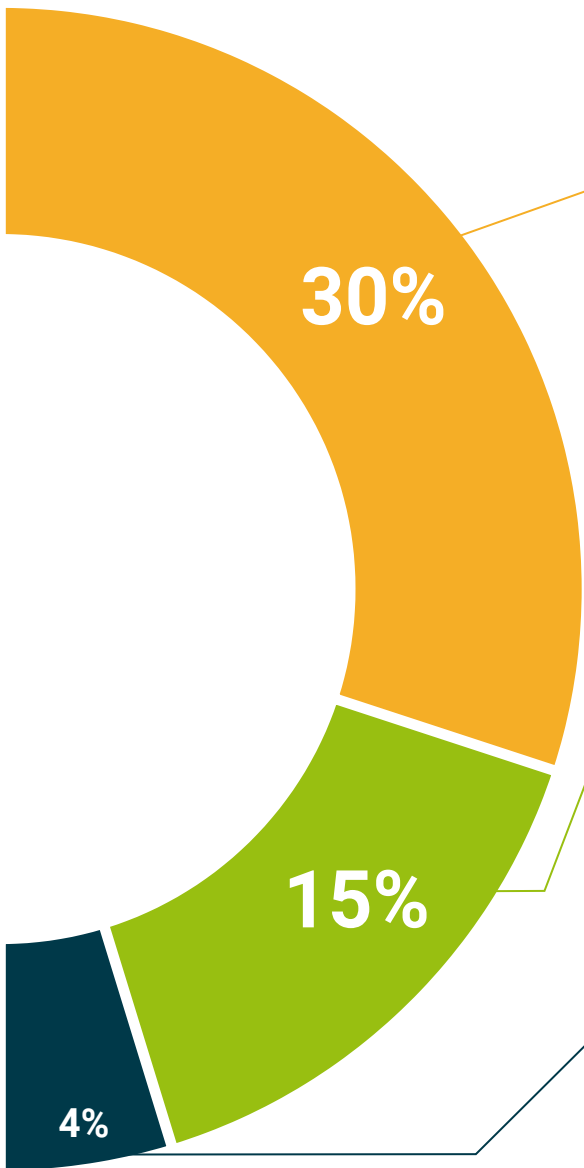
You will carry out activities to develop specific managerial skills in each subject area. Exercises and activities to acquire and develop the skills and abilities that a senior manager needs to develop in the context of the globalization we live in.



### Additional Reading

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





### Case Studies

You will complete a selection of the best business cases used at Harvard Business School. Cases that are presented, analyzed, and supervised by the best senior management specialists in Latin America.



### 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 training system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### Testing & Re-Testing

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



# 05 Objectives

This comprehensive training program is specially designed to train professionals in all aspects of maintaining hygiene in the industrial work environment and maximizing well-being within organizations of all sizes. In this way, the professional will acquire specific analysis and planning management skills that will enable him/her to become an expert in the field. All this, accompanied by the best teaching material and the best teachers in the sector.





“

*The main objective that TECH pursues with this course is to train you to be able to manage the prevention of occupational hazards while always prioritizing hygiene in industrial processes"*

**Your goals are our goals.**

**We work together to help you achieve them**

The **Postgraduate Certificate in Industrial Hygiene** will train you to:

01

Approach the concept of hygiene at work

02

Identify the type of agents that can cause hazards and accidents





03

Perform complex preventive proposals.

04

Train workers in a complete, comprehensive, updated and practical way.

06

# Structure and Content

The **Postgraduate Certificate in Industrial Hygiene** is a tailor-made program that is taught **100% online** so that you can choose the time and place that best suits your availability, schedule, and interests.

A program that takes place over **6 months** and is intended to be a unique and stimulating experience that lays the foundation for your success as a manager and entrepreneur.



“

*What you study is very important. The abilities and skills you acquire are fundamental. You won't find a more complete syllabus than this one, believe us..."*

## Syllabus

The **Postgraduate Certificate in Industrial Hygiene** from **TECH Technological University** is an intense program that prepares you to face challenges and business decisions both on a national and international level.

The content of the **Postgraduate Certificate in Industrial Hygiene** is designed to promote the development of managerial skills that enable more thorough decision-making in uncertain environments.

Over the course of **150 hours**, the student analyzes a plethora of practical cases through individual and team work. It is, therefore, an authentic immersion in real business situations.

This **Postgraduate Certificate in Industrial Hygiene** deals in depth with all the different departments of a company and is designed to train managers who understand strategic management from a strategic, international and innovative perspective.

A plan designed for you, focused on improving your career and preparing you to achieve excellence in leadership and business management. A program that understands both yours and your company's needs through innovative content based on the latest trends, and supported by the best educational methodology and an exceptional faculty, which will provide you with the skills to solve critical situations, creatively and efficiently.

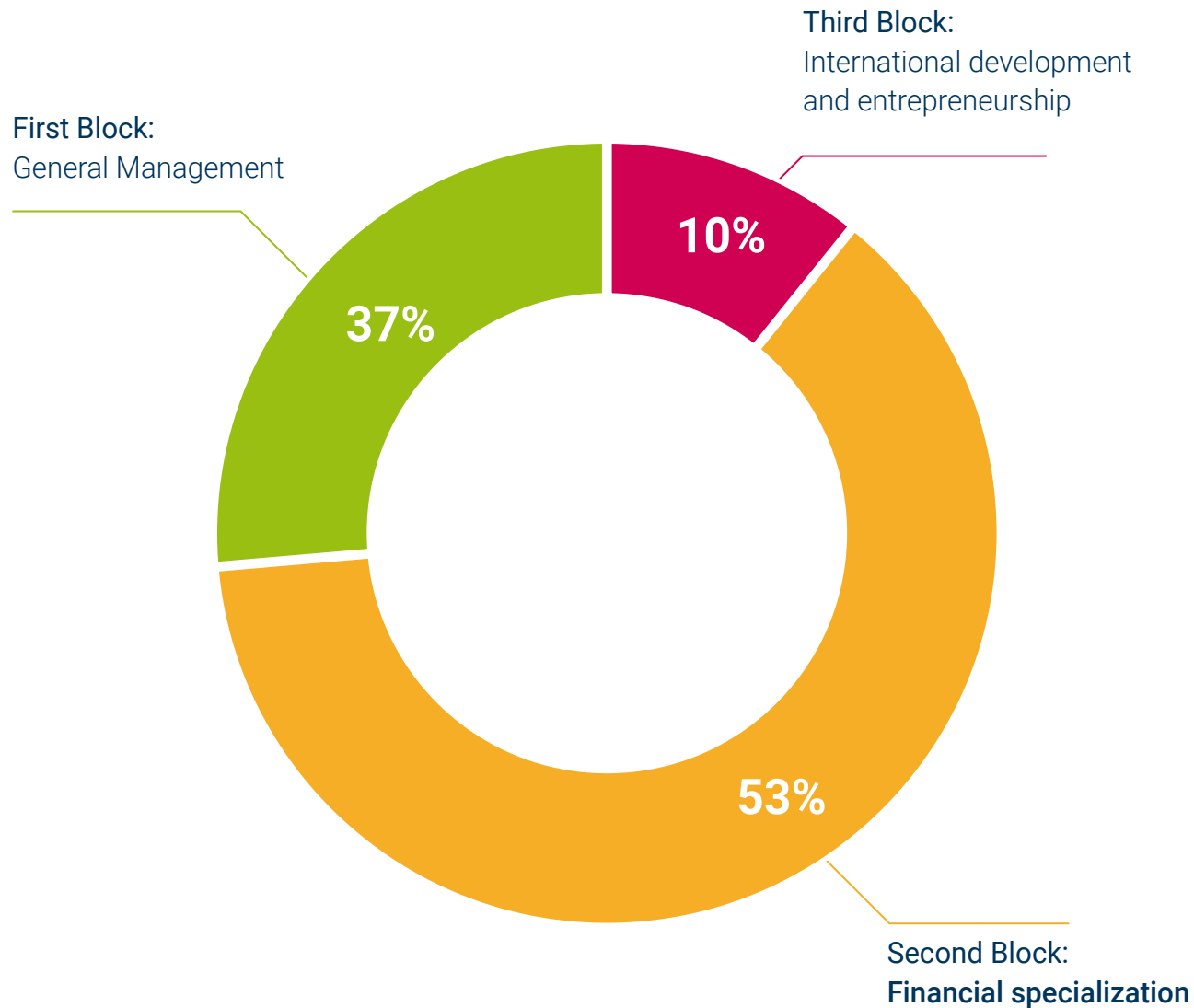
This Postgraduate Certificate takes place over **6 weeks** and is taught entirely online.

### Module 1

### Industrial Hygiene



## Distribution of the subject matter



## Where, when, and how it is taught

This Postgraduate Certificate takes place over 6 weeks and is divided into two semesters. You can do it completely online, including attending our workshops and virtual conferences.





**Module 1. Industrial Hygiene**

**1.1. Introduction to Hygiene at Work**

- 1.1.1. Introduction and Main Concepts
- 1.1.2. Environmental Factors
- 1.1.3. Types of Contaminants and Routes of Entry Into the Organism
- 1.1.4. Effects of the Contaminants

**1.2. Theoretical Hygiene. Assessing the Hygienic Risk**

- 1.2.1. Introduction
- 1.2.2. Criteria for Evaluating the Hygienic Risk
- 1.2.3. Regulations
- 1.2.4. Dermal Exposure to Chemical Contaminants

**1.3. Evaluating and Monitoring Hygienic Risk**

- 1.3.1. Introduction
- 1.3.2. Scope of the Hygienic Risk. Field Hygiene and Operational Hygiene
- 1.3.3. Types of Preventive Control Measures

**1.4. Types of Agents**

- 1.4.1. Introduction
- 1.4.2. Agent Classification
- 1.4.3. Protection Against Agents

**1.5. Individual Protection Against Hygienic Risks**

- 1.5.1. Introduction
- 1.5.2. Respiratory Protection Equipment
- 1.5.3. Hearing Protection Equipment
- 1.5.4. Eye and Face Protection Equipment

**1.6. Risks and Severe Accidents**

- 1.6.1. Introduction
- 1.6.2. Metallurgical Industry
- 1.6.3. Chemical Industry
- 1.6.4. Severe Accidents

**1.7. Vibrations**

- 1.7.1. Introduction
- 1.7.2. Effects of Vibrations
- 1.7.3. Risk Evaluation
- 1.7.4. Exposure Control

**1.8. Non-Ionizing Radiation**

- 1.8.1. Introduction
- 1.8.2. Magnitudes and Units of Measurement
- 1.8.3. Effects of Non-Ionizing Radiation

**1.9. Ionizing Radiation**

- 1.9.1. Introduction
- 1.9.2. Nature of Ionizing Radiation
- 1.9.3. Effects of Ionizing Radiation
- 1.9.4. Preventive Measures

**1.10. Thermohygrometric Environment**

- 1.10.1. Introduction
- 1.10.2. Thermal Environment and Organism
- 1.10.3. Evaluating Heat Exposure
- 1.10.4. Thermal Comfort and Exposure to the Cold



07

# Our Students' Profiles

Our **Postgraduate Certificate in Industrial Hygiene** is a program aimed at people with university studies and at least four years of professional experience, who want to transform their career and focus it on business management.

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





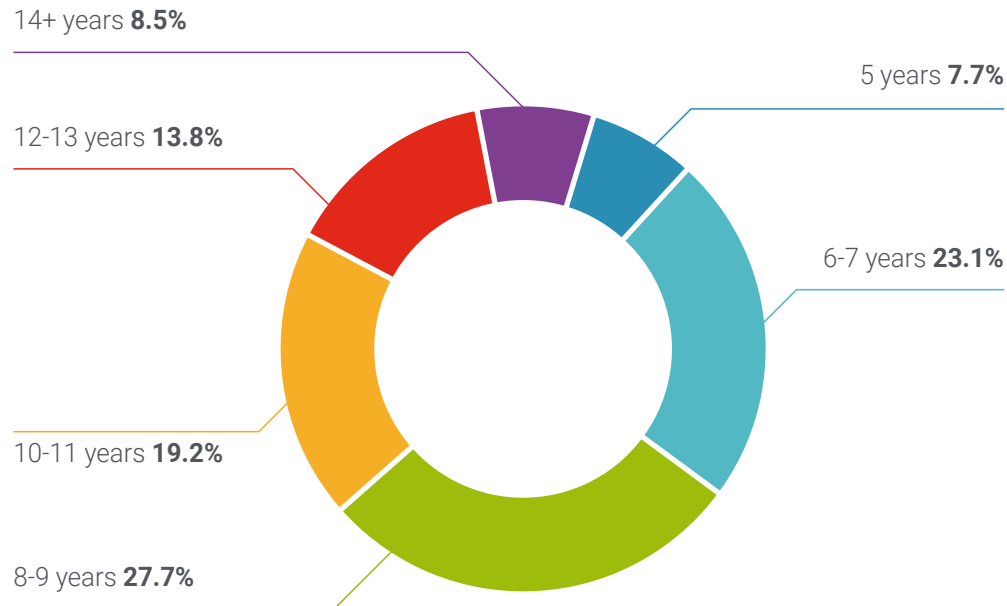
“

*If you have leadership and management experience, and are looking for an interesting career boost while continuing to work, then this is the program for you"*

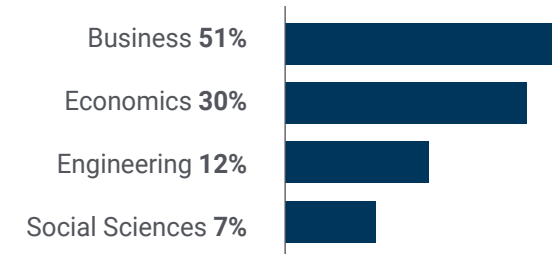
### Average Age

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

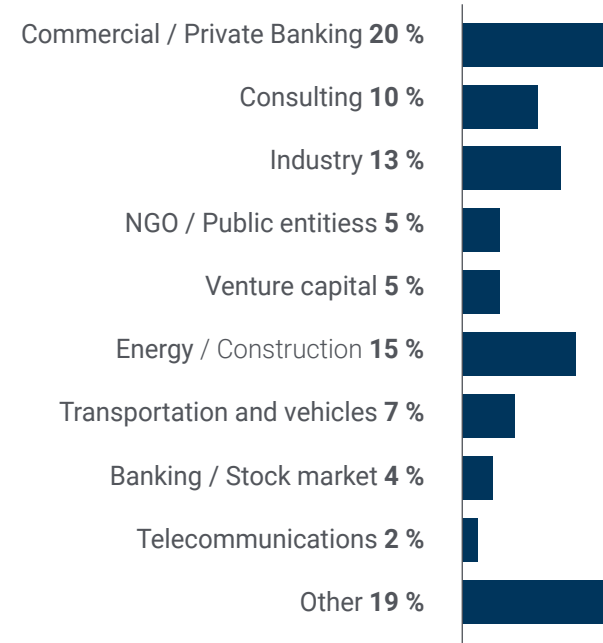
### Years of Experience



### Training

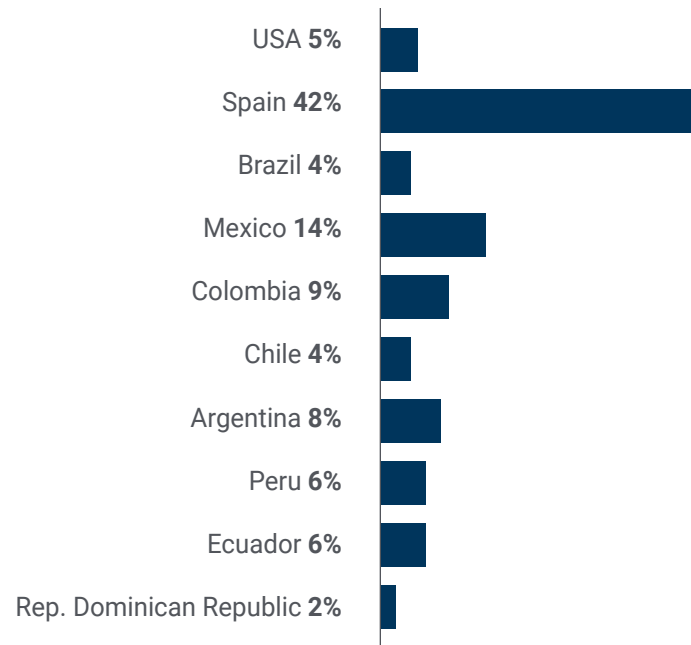


### Academic Profile



## Geographical Distribution

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## Juan Luis Medina

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CEO of textile company

*"This Postgraduate Certificate has undoubtedly been a unique and ideal training experience to update the knowledge of professionals in the sector. Personally, it has helped me to climb the ladder in the company I work for"*

08

# Course Management

The program's teaching staff includes leading experts in occupational hazard prevention and industrial hygiene, who bring to this program the experience of their years of work. Furthermore, other renowned specialists in related disciplines participate in designing and preparing the course in an interdisciplinary way, making it a unique and highly nourishing academic experience for the student.







“

*We have the best teaching staff to offer you a quality training program”*

## Management



### **Mrs. Dávila Martín, Beatriz**

- ♦ Founder and CEO at Davilex - Labor consulting company Actualidad Laboral website. Since 2020.
- ♦ Degree in Labor Relations and Human Resources from the Complutense University. 2013.
- ♦ Master's Degree in Occupational Hazard Prevention from the Complutense University. 2014.
- ♦ MBA from the Isabel I of Castilla University. 2018.
- ♦ Master's Degree in Leadership and Team Management from the Isabel I of Castilla University. 2018.
- ♦ Trainer of Trainers Course.
- ♦ Head of Human Relations and OHP at Professional Detail. 2015-2016.
- ♦ Technician in Human Relations at Asisa. Since 2020.



09

# Impact on Your Career

We are aware that studying a program like this entails great economic, professional and, of course, personal investment.

The ultimate goal of this great effort should be to achieve professional growth.



“

*Our challenge is to generate a positive change in your professional career. We are fully committed to helping you achieve it"*

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

The Postgraduate Certificate in Industrial Hygiene from TECH Technological University is an intense program that prepares you to face challenges and business decisions on a logistics level both on a nationally and internationally. 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.

*Don't miss the opportunity to train with us and you will find the career boost you were looking for.*

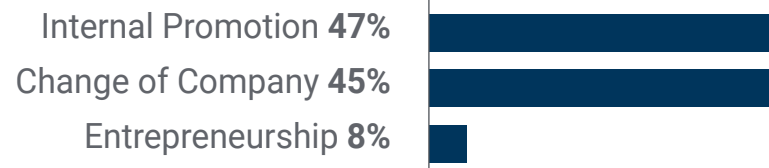
*If you want to make a positive change in your profession, the **Postgraduate Certificate in Industrial Hygiene** will help you achieve it.*

### Generating Positive Change

#### When the change occurs



#### Type of change





## Salary increase

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This program represents a salary increase of more than **25%** for our students.



10

# Benefits for Your Company

The **Postgraduate Certificate in Industrial Hygiene** helps raise the organization's talent to its maximum potential by training high-level leaders.

Participating in this **Postgraduate Certificate in Industrial Hygiene** is a unique opportunity to access a powerful network of contacts in which to find future professional partners, customers or suppliers.



“

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

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

**01**

### **Intellectual Capital and Talent Growth**

The executive 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 executive and opens new avenues for professional growth within the company.

**03**

### **Building agents of change**

The manager 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 manager can work on a current project or develop new projects in the field of R&D or Business Development within their company.

---

06

### **Increased competitiveness**

This Postgraduate Certificate will equip managers with the skills to take on new challenges and drive the organization forward.

# 11 Certificate

The **Postgraduate Certificate in In Industrial Hygiene** guarantees, in addition to the most rigorous and updated training, access to a Postgraduate Certificate issued by **TECH Technological University**.





A black and white photograph showing three people in business attire. An older man with a beard and a checkered tie is leaning over, looking at a screen. A woman with blonde hair is also looking at the screen. A younger man is in the foreground, also looking at the screen. The image is partially obscured by a dark blue diagonal shape on the right side of the page.

“

*Successfully complete this training and receive your university degree without travel or laborious paperwork"*

This **Postgraduate Certificate in Industrial Hygiene** is the most comprehensive and up-to-date scientific program on the market.

After the student has passed the evaluations, they will receive their corresponding 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 professionals from career evaluation committees.

Title: **Postgraduate Certificate in Industrial Hygiene**

Duration: **6 weeks**

**6 ECTS Credits**

Official Number of Hours: **150**



\*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 Certificate Industrial Hygiene

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

# Postgraduate Certificate Industrial Hygiene

