

# Postgraduate Certificate

## Occupational Risk Prevention Management System. ISO 45001:2018



## Postgraduate Certificate Occupational Risk Prevention Management System. ISO 45001:2018

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online
- » Aimed at: graduates, graduates, engineers, architects, university Postgraduate Certificates and equivalents

Website: [www.techtute.com/us/school-of-business/postgraduate-certificate/occupational-risk-prevention-management-system-iso-45001-2018](http://www.techtute.com/us/school-of-business/postgraduate-certificate/occupational-risk-prevention-management-system-iso-45001-2018)

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# 01

# Welcome

The ISO international standard has many areas of action within companies, as it is designed to certify the excellence and quality of organizations. One of these areas is Occupational Risk Prevention for which the 45001:2018 standard on occupational health and safety management has been specifically designed. It is designed to protect employees and visitors from accidents and illnesses in the work environment and monitors the protection of health both physically and mentally. The analysis, evaluation and application of this standard is covered in this online training, which gives students the most up-to-date knowledge of this certification.



Postgraduate Certificate in Occupational Risk Prevention Management System. ISO 45001:2018  
TECH Technological University



“

*Master the ISO 45001:2018 standard  
on occupational safety and health  
management like a true expert”*

02

# Why Study at TECH?

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



“

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

## At TECH Technological University



### Innovation

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

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



### The Highest Standards

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

**95%** | of TECH students successfully complete their studies



### Networking

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

**+100000**

executives prepared each year

**+200**

different nationalities



### Empowerment

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

**+500**

collaborative agreements with leading companies



### Talent

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

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



### Multicultural Context

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

TECH students represent more than 200 different nationalities.





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



### Analysis

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



### Economy of Scale

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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 groundbreaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.



### Learn with the best

---

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

Teachers representing 20 different nationalities.



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

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 education of the highest academic level”*

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

**01**

### A Strong Boost to Your Career

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

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

**02**

### Develop a strategic and global vision of the company

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

*Our global vision of companies will improve your strategic vision.*

**03**

### Consolidate the student's senior management skills

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

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

**04**

### You will take on new responsibilities

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

*45% of graduates are promoted internally.*

05

### Access to a powerful network of contacts

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

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

06

### Thoroughly develop business projects

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

*20% of our students develop their own business idea.*

07

### Improve soft skills and management skills

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

*Improve your communication and leadership skills and enhance your career.*

08

### You will be part of an exclusive community

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

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

# 04 Objectives

This Postgraduate Certificate in Occupational Risk Prevention Management System. ISO 45001:2018 has as its main objective to provide the graduate student with sufficient notions to comply with current regulations and to have the minimum documentation required to develop a correct prevention management system. It also focuses on analyzing the operational management of Occupational Risk Prevention to be able to carry out an effective management in terms of risk prevention, develop an adequate identification of hazards and risk assessment and focus the Occupational Risk Prevention Management system. A complete syllabus that offers a clear and comprehensive view of risk prevention.



“

*Get, through this Postgraduate Certificate, a comprehensive learning on prevention management in organizations to be able to apply it in the real professional environment”*

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

The Postgraduate Certificate in Occupational Risk Prevention Management System. ISO 45001:2018 will enable the student to:

01

Comply with current regulations and have the minimum documentation required to develop a correct prevention management system

02

Analyze the operational management of occupational risk prevention in order to be able to carry out effective risk prevention management

03

Elaborate an adequate hazard identification and risk assessment in occupational safety and health

04

Focus the occupational risk prevention management system on the main objective of minimizing occupational accidents and, in addition, prioritizing continuous improvement





05

Delve into occupational risk prevention, preventive techniques and disciplines

06

Delve into industrial safety and hygiene, preventive techniques and disciplines

07

Develop concepts of ergonomics and occupational medicine

08

Study the application, scope, implementation plan, planning, operation, performance evaluation and improvement of the ISO 45001:2018 standard



# 05

## Structure and Content

This Postgraduate Certificate in Occupational Risk Prevention Management System. ISO 45001:2018 is taught in a fully online format, making it easier to reconcile other areas of professional and personal life. The syllabus is available for download and consultation even without an internet connection. Although the content is distributed to guarantee an autonomous and progressive experience, the teacher will be available to solve any doubt that the students may have.



“

*Recycle your knowledge in the most convenient and flexible way you will find in the academic market”*

## Syllabus

The syllabus of this program goes through the main concepts of occupational risk prevention, safety and industrial hygiene, as well as preventive techniques and disciplines. Likewise, it focuses on the aspect of ergonomics and medicine in the workplace. Emphasis will be placed on issues related to physical and psychological risks.

The content delves into the ISO 45001:2018 standard, its scope of application, as well as the implementation plan, planning, operation and evaluation of the performance and improvement of the organization thanks to the implementation of this standard.

Students will understand the legal and legal frameworks in which the international standard ISO 45001 is applied and the areas covered, which are: occupational health and safety management systems, protection of workers and visitors from accidents and diseases in the workplace.

This Postgraduate Certificate takes place over 6 weeks and is taught in a single module:

### Module 1

Occupational Risk Prevention Management System. ISO 45001:2018



### Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate Certificate in Occupational Risk Prevention Management System. ISO 45001:2018 completely online. During the 6 weeks of the specialization, the student will be able to access all the contents of this program at any time, which will allow the students to self-manage their study time.

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

**Module 1. Occupational Risk Prevention Management System. ISO 45001: 2018**

**1.1. Occupational Risk Prevention**

- 1.1.1. Occupational Hazards and Risks
- 1.1.2. Occupational Risk Prevention Management

**1.2. Preventive Techniques and Disciplines. Safety and Industrial Hygiene**

- 1.2.1. Safety At Work
- 1.2.2. Industrial Hygiene

**1.3. Preventive Techniques and Disciplines. Ergonomics and Occupational Medicine**

- 1.3.1. Ergonomics and Psychosociology Applied to the Workplace
- 1.3.2. Occupational Medicine

**1.4. The ISO 45001 Standard: 2018**

- 1.4.1. Implementation of an OSH Management System
- 1.4.2. ISO 45001. Background, Evolution and Basic Characteristics
- 1.4.3. High-level Structure of the ISO Standard: Possibility of Integration with Other ISO Standards

**1.5. ISO 45001:2018. Scope of Application**

- 1.5.1. Scope of Application
- 1.5.2. Terms and Definitions

**1.6. ISO 45001:2018. Implementation Plan**

- 1.6.1. Implementation Plan
- 1.6.2. Context of the Organization
- 1.6.3. Scope of the SGSST

**1.7. ISO 45001:2018. Education**

- 1.7.1. Leadership and Employee Involvement
- 1.7.2. Education
- 1.7.3. Support
- 1.7.4. Support

**1.8. ISO 45001:2018. Operation**

- 1.8.1. Operational Control
- 1.8.2. Emergency Preparedness and Response

**1.9. ISO 45001:2018. Performance Evaluation**

- 1.9.1. Performance Monitoring, Measurement, Analysis and Evaluation
- 1.9.2. Evaluation of Compliance
- 1.9.3. Internal Auditing
- 1.9.4. Management Review

**1.10. ISO 45001:2018. Improvement**

- 1.10.1. Incidents, Non-conformities and Corrective Actions
- 1.10.2. Continuing Improvement
- 1.10.3. OSHMS Certification



*Become an expert in all the requirements and areas involved in ISO 45001:2018"*



# 06

# Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

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







“

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

## TECH Business School uses the Case Study to contextualize all content

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

“

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



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



*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.



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.





### Case Studies

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



### Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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



### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



07

# Our Students' Profiles

The Postgraduate Certificate in Occupational Risk Prevention Management System. ISO 45001:2018 is focused on graduates, postgraduates and university graduates who have developed their professional or academic career around labor rights, risk prevention and work environment protocols, as well as in comprehensive management systems.

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

The student who graduates from this program is a professional capable and willing to face new professional challenges. With enough curiosity and ambition to take organizations to the next level in their quality systems.







“

*Don't hesitate any longer. Be the ISO 45001:2018 standard expert that companies are looking for”*

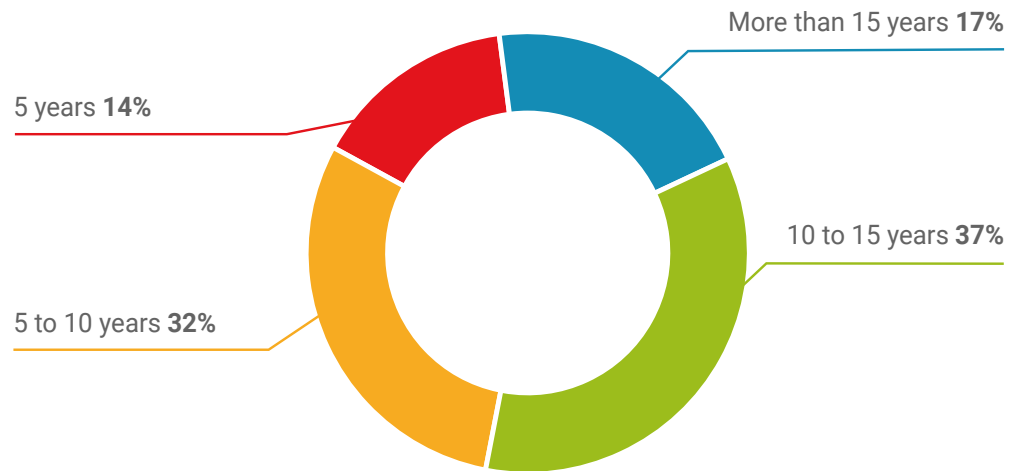
### Average Age

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

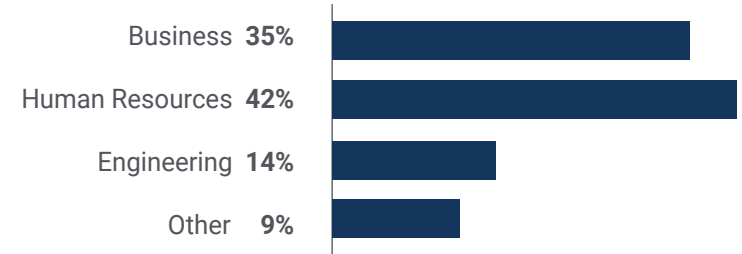
### Years of Experience

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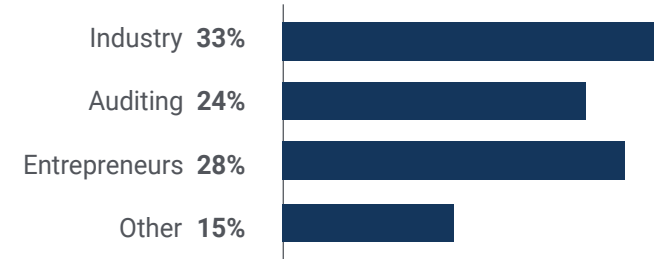
### Training

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### Educational Profile

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## Geographical Distribution

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## Ricardo Castro

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Occupational risk auditor

*"Thanks to this Postgraduate Certificate I have been able to specialize my knowledge towards ISO 45001:2018. This has made it possible for me to fully dedicate myself as an auditor to assess the safety conditions of workplaces and manage to face new professional challenges"*

08

# Course Management

An excellent teaching team makes up this program. TECH always looks for the best experts in the sector to make up its management and teaching teams, normally made up of active professionals who have dedicated their professional lives to research and development in the field of education. In this case, specialists in integrated management systems in companies will train students for their professional performance, as well as their skills and critical sense.



A black and white photograph showing three people from a different perspective, looking down and to the right, presumably at a computer screen. The image is partially obscured by a dark blue diagonal shape in the top right corner and a white diagonal shape in the bottom right corner.

“

*This syllabus devised by TECH  
will help you develop your best  
skills and professional criteria"*

## Management



### Ms. López Rodríguez, Karmele

- ♦ Technical Engineer in Computer Science and Industrial Organization
- ♦ Responsible for Quality, Environment and Risk Prevention in Industrial Environments
- ♦ Lecturer of ISO 14001 in the Official Online Master's Degree in Integrated Management Systems at the Alfonso X El Sabio University, Madrid
- ♦ Professor of Ergonomics and Applied Psychosociology in the Official Online Master's Degree in Occupational Risk Prevention at the Alfonso X El Sabio University, Madrid
- ♦ Internship Coordinator for students
- ♦ Degree in Industrial Organization Engineering from the University of Deusto
- ♦ Technical Engineer in Computer Management from the University of Deusto

## Professors

### Mr. Navarro Doñoro, Juan

- ♦ Responsible for Certified Management Systems Audits at Metro Madrid
- ♦ Responsible for Occupational Risk Prevention Management at Metro Madrid
- ♦ Chairman of the Safety Committee of the Spanish Maintenance Association
- ♦ Preventive Labor Management Coordinator
- ♦ Law Degree from the Autonomous University of Madrid
- ♦ Degree in Occupational Risk Prevention with the 3 specialties, Safety, Hygiene and Psychosociology and Applied Ergonomics



09

# Impact on Your Career

Thanks to the specialization in the professional path, through specific programs such as this one offered by TECH in ISO 45001:2018 standards, students get more and more technical and specialized profiles in Integrated Management Systems. The syllabus is adjusted to the real demands of professional practice so this Postgraduate Certificate in Occupational Risk Prevention Management System. ISO 45001:2018, favors the qualification of specialized professionals in high demand in their field.





“

*It responds to the great labor demands of a growing sector. Enroll now in this Postgraduate Certificate 100% online"*

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

The Postgraduate Certificate in Occupational Risk Prevention Management System. TECH's ISO 45001:2018 is an intensive program that prepares you to meet business challenges and decisions in the field of Integrated Management Systems. Its main objective is to promote your personal and professional growth Helping to achieve success.

If students seek self-improvement, a positive professional change and the opportunity to interact with the best, this is the place for them.

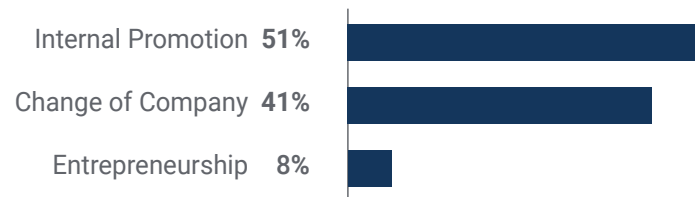
*All TECH programs are based on labor market demand studies.*

*With all these figures that guarantee employability, salary and labor improvement and the specialization of your professional profile, have you already decided to enroll?*

#### Time of Change



#### Type of Change



### Salary Increase

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This program represents a salary increase of more than **25.89%** for our students



10

# Benefits for Your Company

Taking this Postgraduate Certificate in Occupational Risk Prevention Management System. ISO 45001:2018 will add value to organizations and companies. The program improves the professional career of all students who wish to improve their employability or become self-employed in this sector. More and more companies are committed to the safety and protection of workers and working environments.





“

*Responds to the increasing demand for experts in the area of Occupational Risk Prevention by taking this program online”*

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

# 11 Certificate

The Postgraduate Certificate in Occupational Risk Prevention Management System. ISO 45001:2018 guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.





“

*Successfully complete this program  
and receive your university certification  
without traveling or complex paperwork”*

This **Postgraduate Certificate in Occupational Risk Prevention Management System. ISO 45001:2018** contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

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

Title: **Postgraduate Certificate in Occupational Risk Prevention Management System. ISO 45001:2018**

Official N° of Hours: **150 h.**



\*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 Occupational Risk Prevention Management System. ISO 45001:2018

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

Postgraduate Certificate  
Occupational Risk Prevention  
Management System.  
ISO 45001:2018