

# Postgraduate Certificate Environmental Management System. ISO 14001:2015





## Postgraduate Certificate Environmental Management System. ISO 14001:2015

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Schedule: at your own pace
- » Exams: online
- » Target Group: Bachelors, Graduates, Engineers, Architects, Postgraduates and equivalents

Website: [www.techtitute.com/us/school-of-business/postgraduate-certificate/environmental-management-system-iso-14001-2015](http://www.techtitute.com/us/school-of-business/postgraduate-certificate/environmental-management-system-iso-14001-2015)

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# 01 Welcome

The International Organization for Standardization (ISO) includes the 14001:2015 standard on everything related to the environmental management of organizations, administrations and companies. The Environmental Management System is also a fundamental part of the integrated management systems of companies and, therefore, of all those organizations that want to move towards institutional excellence and quality performance. This educational program is aimed at analyzing, evaluating and applying this standard, taught in a convenient online format that makes it easy to combine study with other personal and professional activities.



Postgraduate Certificate in Environmental Management System. ISO 14001:2015.  
TECH Technological University





“

*Analyzes, evaluates and applies ISO 14001:2015 standard in organizations, administrations and companies”*

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

---

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* 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

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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

Through this Postgraduate Certificate in Environmental Management Systems. ISO 14001:2015, students will be able to determine the environmental responsibilities and the legal framework applicable to organizations, as well as deepen in the environmental impact aspects in terms of regulations and principles on which it is based in order to carry out appropriate assessments. They will also be able to examine environmental indicators effectively, adding value to environmental assessments and to focus the environmental management system with the objective of minimizing environmental impacts, prioritizing the continuous improvement of organizations.



“

*Get to examine environmental indicators in an effective way, providing added value and prioritizing the continuous improvement of organizations through this Postgraduate Certificate”*

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

The Postgraduate Certificate in Environmental Management System. ISO 14001:2015 will enable the student to:

01

Deepen the understanding of the aspects of environmental impact in terms of regulations and principles on which it is based in order to be able to carry out adequate evaluations

04

Understand the legislative and regulatory framework of the environment, with the development of preventive regulations and international and Spanish legislation and regulations

02

Effectively review environmental indicators by adding value to environmental evaluations



03

Focusing the environmental management system with the objective of minimizing environmental impacts by prioritizing continuous improvement

05

Analyze ISO 14001 environmental management systems from the first to the tenth chapter



06

Evaluate environmental aspects to determine significant aspects

08

Study waste management: waste streams, authorizations and waste streams, authorizations and communications



09

Deepen the understanding of environmental performance indicators (EPIs), environmental condition indicators (ECIs), carbon footprint and water footprint

07

Analyze life cycle, life cycle inventory impact assessment and interpretation of results

10

Understanding and analyzing eco-labels: type 1 eco-label, type 2 eco-label, environmental self-declarations and type III environmental declarations

05

# Structure and Content

This Postgraduate Certificate in Environmental Management Systems ISO 14001:2015 is taught in 100% online format, in addition to making available to the student all the agenda in the virtual platform. The teachers will be available to solve any doubt or suggestion from the students, although the syllabus is perfectly distributed to guarantee an autonomous and progressive learning experience.



“

*Deepen, at your own pace and autonomously,  
in the content of this complete Postgraduate  
Certificate developed by TECH”*

## Syllabus

The content of this study plan begins by explaining the legislative and regulatory framework of the environment, as well as the development of preventive regulations, legislation, international and Spanish regulations. It also focuses on analyzing ISO 14001 environmental management systems in all its chapters.

The study program also includes the evaluation of environmental aspects to determine the significant aspects, the analysis of the life cycle, as well as the interpretation of the results of this cycle. It delves into waste management: waste streams, authorizations and communications, and environmental indicators of environmental performance (EPI), environmental condition (EQI), carbon footprint and water footprint.

Finally, the curriculum focuses on understanding and analyzing ecolabels and their types. This Postgraduate Certificate is intended for the student to become an expert in the application of ISO 14001:2015 standards in organizations, knowing how to transmit the importance of this standard for sustainable and ecological industrial development.

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

### Module 1

Environmental Management System. ISO 14001: 2015



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

TECH offers the possibility of taking this Postgraduate Certificate in Environmental Management System. ISO 14001:2015 completely online. Throughout the 12 months of the educational program, you will be able to access all the contents of this program at any time, allowing you to self-manage your study time.

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

**Module 1. Environmental Management System. ISO 14001: 2015**

<p><b>1.1. Legislative and Regulatory Framework Environment</b></p> <p>1.1.1. Development of Preventive Legislation</p> <p>1.1.2. International Legislation and Regulations</p> <p>1.1.3. Spanish Legislation and Regulations</p>	<p><b>1.2. Environmental Management Systems: ISO 14001</b></p> <p>1.2.1. Environmental Management in the Organization</p> <p>1.2.2. Environmental Reports</p> <p>1.2.3. Environmental Risks for Accident Prevention</p>	<p><b>1.3. ISO 14001. Chapters 1 to 5</b></p> <p>1.3.1. ISO 14001 Standard</p> <p>1.3.2. ISO 14001 Development Factors and Requirements</p> <p>1.3.2.1. Purpose and Field of Application</p> <p>1.3.2.2. Normative References</p> <p>1.3.2.3. Terms and Definitions</p> <p>1.3.3. Organizational Context</p> <p>1.3.4. Leadership and Employee Involvement</p>	<p><b>1.4. ISO 14001. Chapters 6, 7 and 8</b></p> <p>1.4.1. Planning</p> <p>1.4.2. Support</p> <p>1.4.3. Operation</p>
<p><b>1.5. ISO 14001. Chapters 9 and 10</b></p> <p>1.5.1. Performance Evaluation</p> <p>1.5.2. Improvement</p>	<p><b>1.6. Evaluation of Environmental Aspects</b></p> <p>1.6.1. Main Categories of Environmental Aspects</p> <p>1.6.2. Criteria for the Evaluation of Environmental Aspects</p> <p>1.6.3. Assessment of Environmental Aspects to Determine Significant Aspects</p>	<p><b>1.7. Life Cycle</b></p> <p>1.7.1. Life Cycle Inventory</p> <p>1.7.2. Life Cycle Impact Assessment</p> <p>1.7.3. Interpretation of Results</p>	<p><b>1.8. Waste Management</b></p> <p>1.8.1. Waste Streams</p> <p>1.8.2. Authorizations and Communications</p>
<p><b>1.9. Environmental Indicators</b></p> <p>1.9.1. Environmental Performance Indicators (EPI)</p> <p>1.9.2. Environmental Condition Indicators (ACIs)</p> <p>1.9.3. Carbon Footprint and Water Footprint</p>	<p><b>1.10. Ecolabels</b></p> <p>1.10.1. Type 1 Eco Label</p> <p>1.10.2. Type 2 Eco Label</p> <p>1.10.3. Environmental Self-Declaration. Type III Environmental Statements</p>		



*With this comprehensive curriculum you will delve into every chapter of the ISO 14001:2015 standard"*







# 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

This Diploma is aimed at university graduates and bachelors who have developed their professional or academic career in the field of environmental management or integrated management systems in organizations, administrations and companies. Overall, this training provides qualification in this area.

The diversity of participants with different academic profiles and from multiple nationalities makes up the multidisciplinary approach of this program.

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





“

*Do you think you fit this profile? Don't wait any longer and continue to specialize in your professional career”*

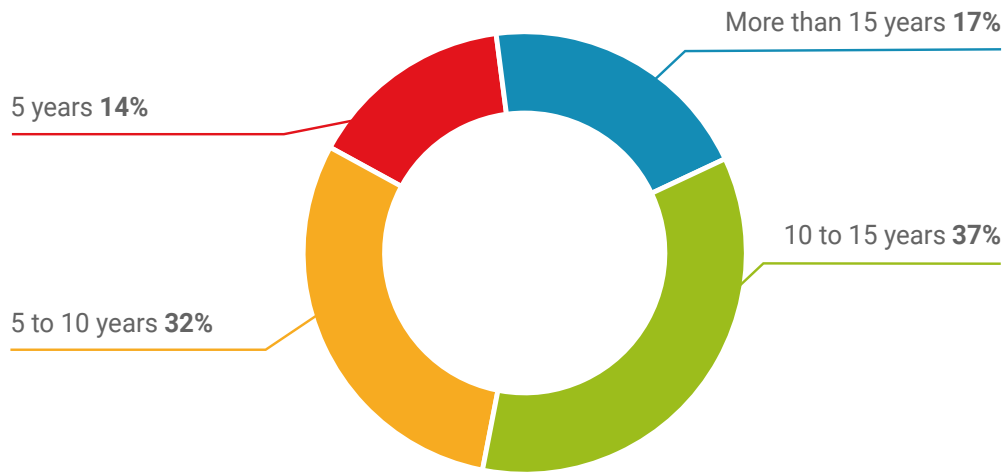
### Average Age

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

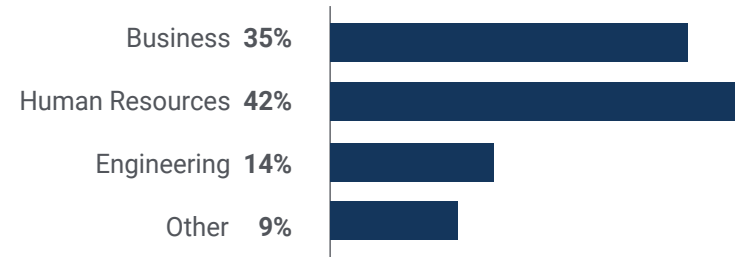
### Years of Experience

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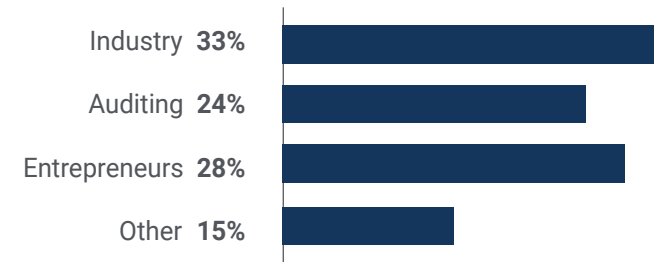
### Training

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### Educational Profile

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## Geographical Distribution

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## **Raquel Hernandez**

**Environmental consultant for organizations, institutions and companies**

*"Thanks to this training I managed to further specialize in the management of companies and organizations in environmental and ISO 14001:2015 standards. I have decided to become self-employed as I have enough work demand for it and I am very happy about it"*

08

# Course Management

The teaching and management staff of this Postgraduate Certificate is made up of professionals and experts of the highest prestige. These are professionals who have dedicated a large part of their professional careers to specializing in environmental matters and integrated management systems in organizations and the different areas that make up these systems. Therefore, the student not only acquires theoretical and practical knowledge, but also enhances their own skills, as well as professional judgment. They will be available for synchronous and asynchronous contact through the virtual platform to answer any doubt or request from the students.





“

*The management staff and of this  
Postgraduate Certificate is made up of true  
experts of the highest prestige in their sector”*

## 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

### Ms. Gómez Silva, Nancy Militza

- ♦ Management Systems Specialist
- ♦ Degree in Industrial Engineering, Technological University of Peru
- ♦ Specialization in Process Management and Improvement - Quality Institute of Pontifical Catholic University of Peru
- ♦ Specialization in Business Process Management - Quality Institute of Pontifical Catholic University of Peru
- ♦ Diploma in Integrated Management Systems, SGS Academy (International Standards ISO 9001, ISO 14001, ISO 45001, ISO 26001)





09

# Impact on Your Career

The degrees developed by TECH are always adjusted to the real demands of the sectors. Therefore, this Postgraduate Certificate in Environmental Management System ISO 14001:2015, promotes the training of specialized professionals in high demand in their field. The graduate student will be able to specialize its curriculum vitae and make it more attractive to companies, which increasingly want to incorporate good environmental practices on their way to academic excellence.



“

*This Postgraduate Certificate in Environmental Management System. ISO 14001:2015, favors the training of specialized professionals in high demand for the sector”*

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

TECH's Postgraduate Certificate in Environmental Management System ISO 14001:2015 is an intensive program that prepares you to face challenges and business decisions in the field of integrated management systems. 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, this is the place for you.

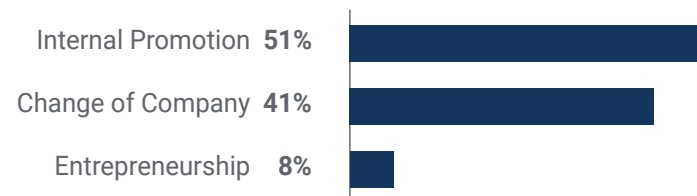
*TECH guarantees the employment improvement of its graduates thanks to its elaborate studies when developing its training programs.*

*Get the job and salary improvement you want through this Postgraduate Certificate.*

#### 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

This Postgraduate Certificate in ISO 14001:2015 Environmental Management System is designed so that all the knowledge and notions developed in the syllabus can be applied to the real application and sustainable activity of the company. In addition to obtaining more and more qualified technical personnel, the organization will be able to apply an integrated management system that pivots on all important areas, including the Environment in organizations.





“

*Bring added value to companies by  
improving your technical qualification”*

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 Environmental Management System. ISO 14001:2015 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 qualification without having to travel or fill out laborious paperwork”*

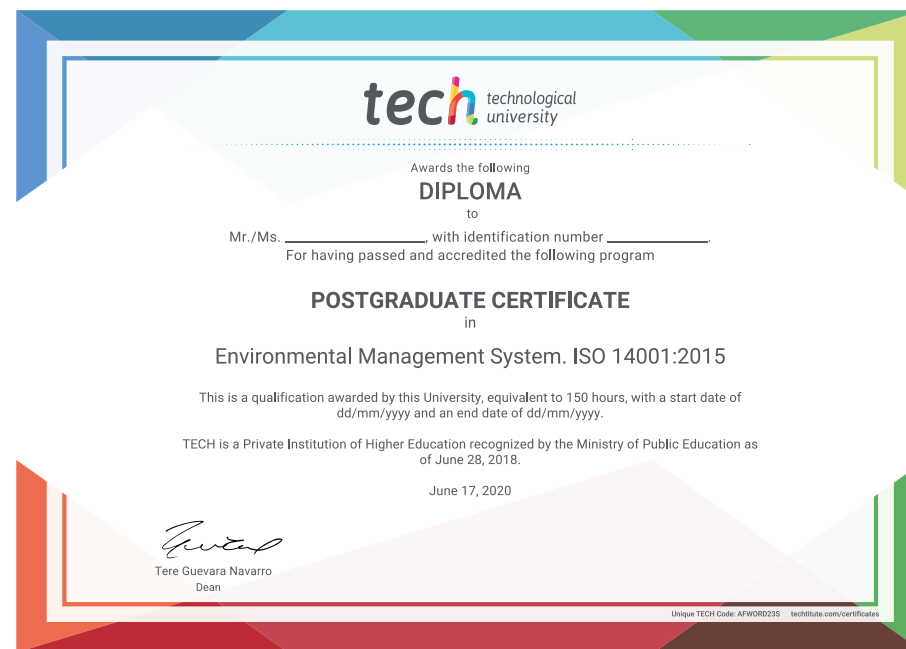
This **Postgraduate Certificate in Environmental Management System. ISO 14001:2015** contains the most complete and up-to-date program on the market.

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 Environmental Management System. ISO 14001:2015**

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.





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# Postgraduate Certificate

## Environmental Management System. ISO 14001:2015