

Postgraduate Certificate Industrial Waste Management





Postgraduate Certificate Industrial Waste Management

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

Website: www.techtute.com/us/engineering/postgraduate-certificate/industrial-waste-management

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01

Introduction

Since its inception, industrial activity has been linked to the production of waste, which has become one of the major environmental problems of our society. With this course we give you the opportunity to train with the best specialists and acquire the necessary skills to develop your profession in this field, following the highest quality standards.





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A comprehensive and multidisciplinary course that will allow you to excel in your career, in a comfortable and uncomplicated way"

In recent years, the emergence and development of new technologies has led to a 1200% increase in the volume of industrial waste production. This is causing problems at both the economic and environmental levels, leading to irreversible natural catastrophes for the planet.

With the increase and development of legislation derived from environmental directives, there has been a growing social sensitivity, as well as civil and criminal liability of companies for damage caused to the environment. Air pollution problems and the large amount of waste of all kinds have forced companies and administrations, together with the environmental authorities, to develop and incorporate effective tools and measures for environmental management.

This course will allow students to gain an up to date view of waste and to be able to identify its different typologies, analyzing the way in which it was characterized at source and the implications that it entails, including those that have conditioned the current classification system. In addition, students will learn about the different procedures for the management of this waste and their obligations as producers and holders, as well as the latest treatment and disposal techniques currently in use.

By the end of this course you will have a clear vision of the management of all types of industrial waste, with emphasis on minimization and valorization to achieve a lower environmental impact, as well as legal measures in the event of non-compliance with current legislation.

It should be noted that as this is a 100% online course, the student is not conditioned by fixed schedules or the need to move to another physical location, but can access the contents at any time of the day, balancing their work or personal life with their academic life.

This **course in Industrial Waste Management** contains the most complete and up to date educational program on the market. The most important features of the program include:

- » The development of case studies presented by experts in Industrial Waste Management
- » The graphic, schematic, and eminently practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice.
- » Practical exercises where self-assessment can be used to improve learning.
- » Special focus on innovative methodologies in Industrial Waste Management
- » Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- » Content that is accessible from any fixed or portable device with an Internet connection



Don't miss the opportunity to take this course in Industrial Waste Management with us. It's the perfect opportunity to advance your career"

“ *This course is the best investment you can make in selecting a refresher program to update your knowledge in Industrial Waste Management* ”

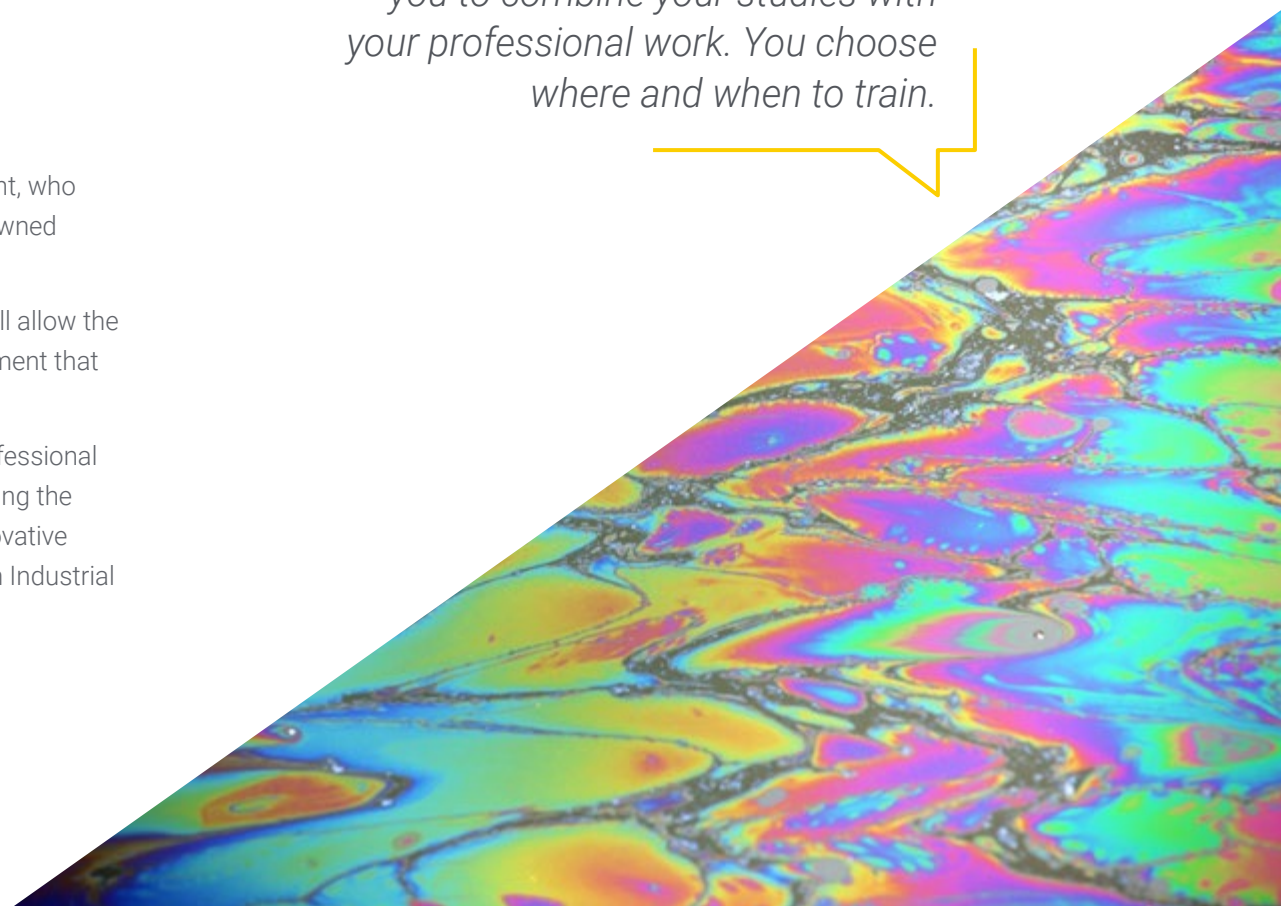
This training comes with the best didactic material, providing you with a contextual approach that will facilitate your learning.

This 100% online course will allow you to combine your studies with your professional work. You choose where and when to train.

Its teaching staff includes professionals from the field of waste management, who contribute their work experience to this training program, in addition to renowned specialists from leading companies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning, that is, a simulated environment that will provide an immersive education programmed to train in real situations.

This program is designed around Problem Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, the professional will be assisted by an innovative interactive video system developed by renowned and experienced experts in Industrial Waste Management.



02

Objectives

The Course in Industrial Waste Management is oriented towards facilitating the professional's performance in order to acquire and know the main advances in this field.





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Our goal is to make you the best professional in your sector. And for this we have the best methodology and content"



General Objectives

- » Deepen understanding of the optimal management of industrial waste, mainly through minimization at source and recycling of by-products.
- » Know the most relevant aspects of industrial waste and the environmental legislation applicable to Industrial Waste Management together with the procedure for the correct management of industrial waste and your obligations as a producer.
- » Master the latest industrial waste treatment and disposal techniques.
- » Optimize Industrial Waste Management by using waste minimization techniques.





Specific Objectives

- » Know how to propose internal waste management models
- » Possess knowledge of the development and evaluation of waste management plans.
- » Have the capacity to reduce industrial waste through the use of by-product bagging
- » Identify and understand the market for waste as a secondary raw material, understanding its market.

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Take the step to get up to speed on the latest developments in Industrial Waste Management”

03

Course Management

In our university we have professionals specialized in each area of knowledge, who bring the experience of their work to our training courses.





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Our university employs the best professionals in all areas who share their knowledge to help you”

International Guest Director

Considered as a true reference in the field of Waste Management for his sustainable initiatives, Frederick Jeske - Schoenhoven is a prestigious Environmental Engineer. In this sense, his philosophy has focused on the optimization of recycling processes, minimization of waste generation and promotion of environmentally friendly practices.

In this way, he has developed his professional work in recognized organizations such as the Treasury Department or the French Ministry of Economy, Finance and Industry, as well as the American World Bank. There, he has been in charge of multiple functions ranging from active portfolio management to the digital transformation of institutions. This has enabled companies to handle innovative technological tools such as Artificial Intelligence, Big Data and even the Internet of Things. As such, institutions have managed to set up advanced automation solutions to optimize their strategic processes considerably. In addition, it has created multiple online platforms that have facilitated the exchange and reuse of materials, thereby fostering a circular economy model.

On the other hand, he has balanced this facet with his work as a researcher. In this regard, he has published numerous articles in specialized journals on topics such as new recycling technologies, the most innovative techniques to improve the efficiency of waste management systems or cutting-edge strategies to ensure a sustainable approach in the industrial production chain. As a result, he has contributed to an increase in recycling rates in several communities.

In addition, he is a strong advocate for education and awareness of the treatment of waste from manufacturing activities. As such, he has spoken at numerous conferences globally to share his solid understanding of this field.



Mr. Jeske-Schoenhoven, Frederick

- Director of Strategy and Sustainability at SUEZ in Paris, France
- Strategy and Marketing Director of Dormakaba in Zurich, Switzerland.
- Vice President of Strategy and Business Development at Siemens in Berlin, Germany
- Director of Communications, Siemens Healthineers, Germany
- Executive Director of the World Bank in Washington, United States
- Head of Management at the General Directorate of the Treasury, Government of France
- Advisory Counselor at the International Monetary Fund in Washington, United States
- Financial Consultant at the French Ministry of Economy, Finance and Industry of France
- Master's Degree in Administration and State Policy, École Nationale d'Administration, France
- Master's Degree in Management Sciences, HEC Paris
- Master's Degree in Political Science from Sciences Po
- Degree in Environmental Engineering from IEP Paris

“

Thanks to TECH, you will be able to learn with the best professionals in the world”

Management



Dr. Nieto-Sandoval González-Nicolás, David

- ♦ Industrial Technical Engineer by the E.U.P. of Malaga.
- ♦ Industrial Engineer by the E.T.S.I.I.
- ♦ Master's Degree in Integral Management of Quality, Environment and Health and Safety at Work by the University of the Balearic Islands.
- ♦ Working for more than 11 years, both for companies and on his own account, for clients in the private agri-food industry and the institutional sector, as a consultant in engineering, project management, energy saving and circularity in organizations.
- ♦ Professor certified by the EOI in the areas of Industry, Entrepreneurship, Human Resources, Energy, New Technologies and Technological Innovation.
- ♦ Trainer of the European INDUCE project.
- ♦ Trainer in institutions such as COGITI and COIIM.

Professors

Mrs. Álvarez Cabello, Begoña

- » Degree in Biology from the University of Córdoba.
- » Master's Degree in Environmental Quality and Sustainability in Local and Territorial Development from the University of Castilla-La Mancha.
- » Labor Risk Prevention Technician from the Fundación de la Construcción
- » Specialist in Geographic Information Systems (GIS)
- » Extensive experience as an environmental and occupational risk prevention technician, with more than 15 years of experience in different sectors: waste, renewable energies, industry, environmental impact assessment, local and regional administration, and conservation biology.
- » Teacher of Certificate of Professionalism and approved by the EOI in environmental, waste and water issues.
- » Member of the Harmush Fauna Study and Conservation Association, which develops international projects on endangered species and various publications.

Dr. Titos Lombardo, Ignacio

- » Degree in Environmental Sciences from the University of Castilla-La Mancha.
- » Master's Degree in Integrated Quality and Environmental Management
- » Senior Technician in Occupational Risk Prevention.
- » Partner-Consultant of Implantación Integral de Sistemas de Calidad, S.L., a consulting firm created in 1998 and specialized in the development of quality, environmental and prevention consulting and auditing projects and in advising local corporations on environmental matters.
- » The company has been in business for more than 12 years, advising and auditing companies in sectors as varied as waste, water, food, industrial, transportation, renewable energy, etc.
- » Teacher of Certificates of Professionalism
- » Currently, the administrator of Imsica Formación, S.L., an entity specialized in the in-company training of its clients.
- » Teacher of the Recicla2 Project for the promotion of waste management and recycling and the creation of green companies.

04

Structure and Content

The structure of the contents has been designed by the best professionals in the Industrial Waste Management sector, with extensive experience and recognized prestige in the profession.



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We have the most complete and up-to-date academic program in the market. We strive for excellence and for you to achieve it too”

Module 9. Industrial Waste Management

- 1.1. Characterization of Industrial Waste
 - 1.1.1. Classification According to the Proposal at Origin according to RD 833/88 and RD 952/97.
 - 1.1.2. Classification According to Regulation 1357/2014, Based on the Amendments Introduced by Regulation 1272/08 (CLP) and Regulation 1907/06 (REACH).
 - 1.1.3. Classification According to the European Waste List
- 1.2. Industrial Waste Management
 - 1.2.1. Industrial Waste Producer
 - 1.2.2. Industrial Waste Management
 - 1.2.3. Fines
- 1.3. Internal Management of Industrial Waste
 - 1.3.1. Compatibility and Initial Segregation
 - 1.3.2. Internal Transport of Waste
 - 1.3.3. Internal Storage Waste
- 1.4. Waste Minimization
 - 1.4.1. Minimization Methods and Techniques
 - 1.4.2. Minimization Plan
- 1.5. Fines
 - 1.5.1. Enforcement of Environmental Legislation According to the Nature of the Waste
 - 1.5.2. Enforcement of Local, Regional or State environmental legislation
- 1.6. Waste Flow I
 - 1.6.1. Used Oil Management.
 - 1.6.2. Packaging Waste Management.
 - 1.6.3. Construction and Demolition Waste Management.
- 1.7. Waste Flow II
 - 1.7.1. Batteries and Accumulators Management.
 - 1.7.2. Packaging Waste Management.
- 1.8. Waste Flow III
 - 1.8.1. End-of-Life Vehicle Management.
 - 1.8.2. Decontamination Methods, Treatment and Management.
- 1.9. Non-hazardous Industrial Waste
 - 1.9.1. Typology and Characterization of Non-Hazardous Industrial Waste
 - 1.9.2. Transportation of Goods According to their Volume
- 1.10. By-products Market
 - 1.10.1. Industrial By-Products
 - 1.10.2. National and European Situation Analysis
 - 1.10.3. By-product Exchange



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This training will allow you to advance in your career comfortably"

05

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.





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

At TECH we use the Case Method

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

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



We are the first online university to combine Harvard Business School case studies with a 100% online learning system based on repetition.



A learning method that is different and innovative.

This Hazardous Waste course is an intensive program that prepares you to face all the challenges in this field, both nationally and internationally. We are committed to promoting your personal and professional growth, the best way to strive for success, that is why at TECH Global University you will use Harvard case studies, with which we have a strategic agreement that allows us to offer you material from the best university in the world.

“ *Our program prepares you to face new challenges in uncertain environments and achieve success in your career”*

The student 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.

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 University is the first in the world to combine Harvard University case studies with a 100% online learning system based on repetition, which combines 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 with an innovative methodology designed to train the managers of the future. This method, at the forefront of international teaching, is called Re-learning.

Our University 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 on the usefulness of third-party expert observation.

Learning from an expert strengthens knowledge and memory, and generates confidence in our difficult future decisions.



Practising Skills and Abilities

You will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist 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 case studies in the field used at Harvard. 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 multimedia content presentation training system 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.



06

Certificate

The Postgraduate Certificate in Industrial Waste Management guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Certificate issued by TECH Global University.



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Include in your training a Postgraduate Certificate in Industrial Waste Management: a high added value qualification for any professional in this area"

This program will allow you to obtain your **Postgraduate Certificate in Industrial Waste Management** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Industrial Waste Management**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

personalized service innovation

knowledge present

online training

development language

classroom

tech global
university

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