Postgraduate Certificate

Waste Management

tech technological university

tech technological university

Postgraduate Certificate
Waste Management

- Modality: **online**
- Duration: **6 weeks**
- Certificate: **TECH Technological University**
- Schedule: **at your own pace**
- Exams: **online**

Website: **www.techtitute.com/us/engineering/postgraduate-certificate/postgraduate-certificate-waste-management**

Index

01

Introduction

Waste management must be conducted in accordance with current regulations in order to avoid environmental problems that may be caused by an incorrect procedure. 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.

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

In recent years, we have been incorporating the latest European regulations related to waste management. In order to understand these regulatory instruments, it is necessary to acquire key waste knowledge.

This course aims to provide students with a transversal vision of the waste sector, offering an exhaustive study of waste, its characteristics, classification and associated problems.

The student will gain a detailed knowledge of waste production and the current problems derived from its management. Likewise, students will have the ability to classify waste, gaining in-depth knowledge of the characteristics and properties of waste.

At the end of the course, the student will have the ability to carry out his or her work in an effective and efficient manner, following current regulations and with the highest quality standards.

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 **Waste Management Course**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 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 emphasis on innovative methodologies in 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 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 bring your waste management knowledge up to date"

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.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive training 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 waste management experts.

02

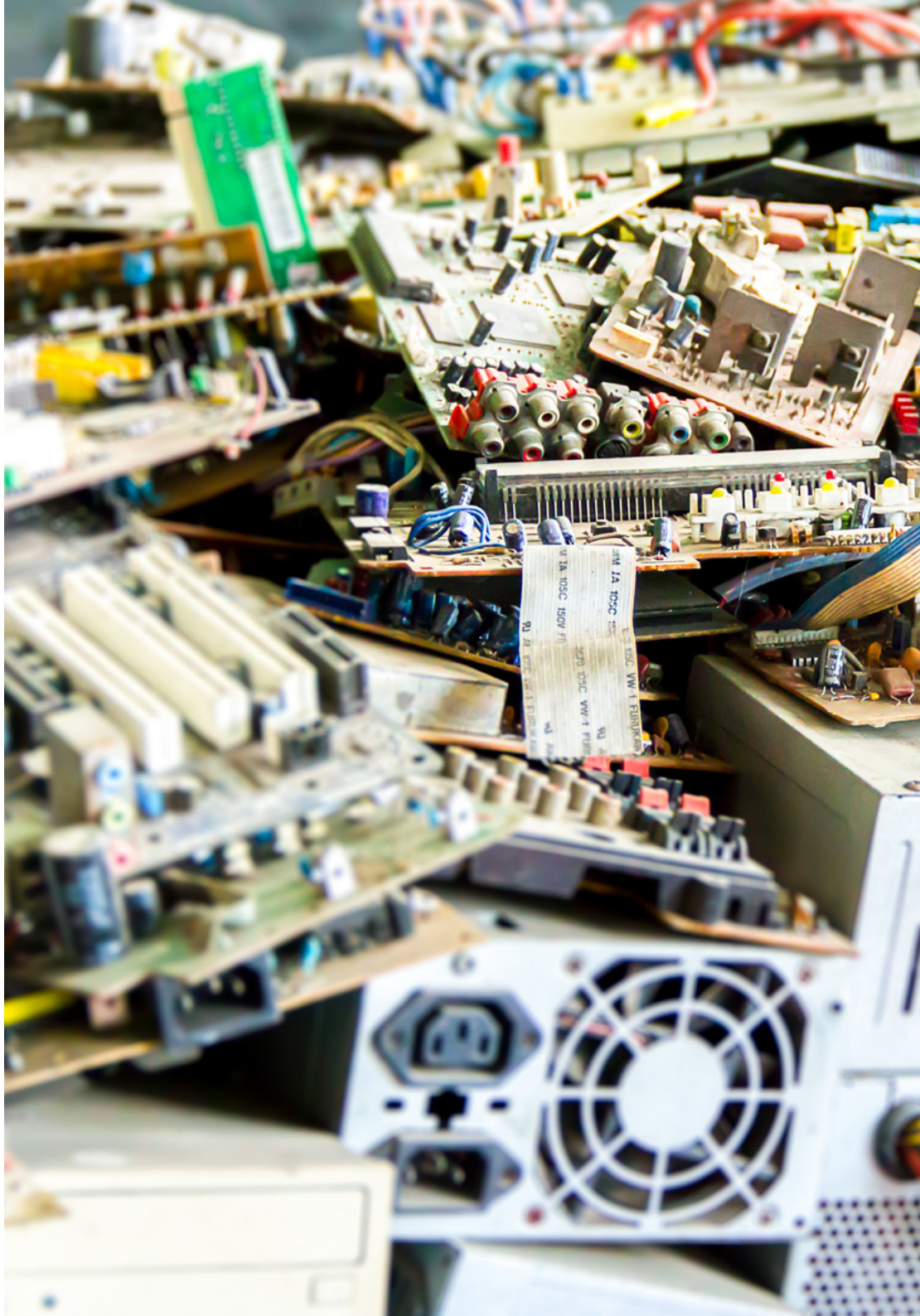
Objectives

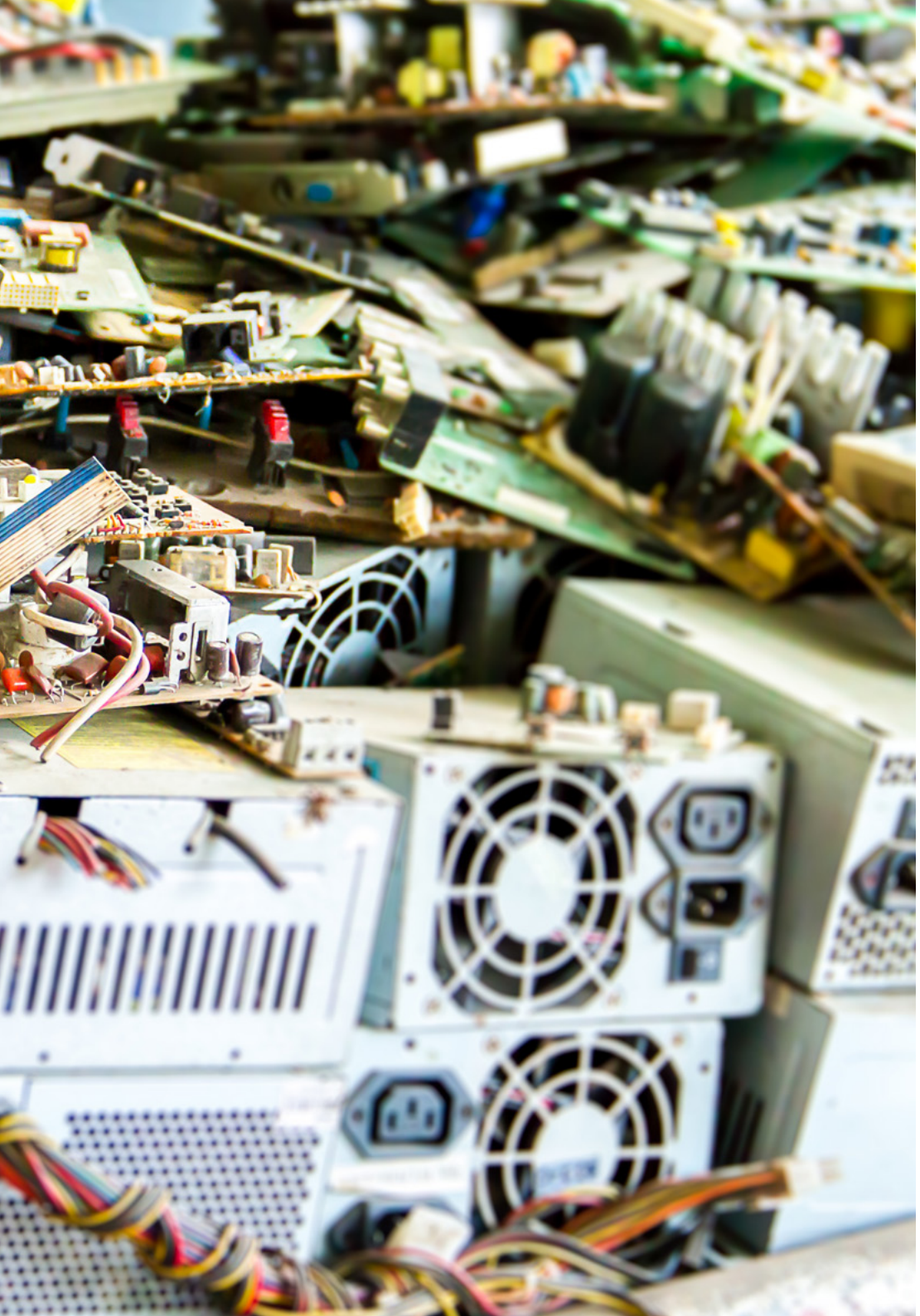
The Course in Waste Management is oriented to facilitate the performance of the professional to acquire and know the main advances in this field.

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

General Objectives

- Provide the student with the knowledge to identify waste, classify it and understand its flow.
- Knowing the characteristics of waste and the problems involved in its management and final treatment.





Specific Objectives

- Know how to identify waste
- Identify and differentiate the different types of existing waste.
- Understand from a practical point of view the different management options that are available for different waste flows.
- Be able to propose different treatment schemes according to the characteristics of the waste.
- Deepen understanding of the existing problems related to waste production.

Take the step to get up to date on the latest developments in 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.

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

Mr. 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

Mr. 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.
- Occupational Risk Prevention Expert by the Fundación de la Construcción (Construction Foundation).
- 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, industries, environmental impact assessment, local and regional administration, and conservation biology.
- Teacher of Certificates of Professionalism and approved by the EOI in environmental, waste and water issues.
- Member of the Association Harmush Estudio y Conservación de Fauna, which develops international projects on endangered species and various publications.

Mr. 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 Professional Certificates.
- Currently, he is the administrator of Imsica Formación, S.L., an entity specialized in in-company training for 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 waste management sector, with extensive experience and recognized prestige in the profession.

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 1. Waste Management

1.1. What is Considered as Waste?
- 1. 1.1. Evolution of Waste
- 1.1.2. Current Situation
- 1.1.3. Future Perspectives

1.2. Existing Waste Flows
- 1. 2.1. Waste Flow Analysis
- 1.2.2. Grouping of Flows
- 1.2.3. Flow Characteristics

1.3. Waste Classification and Characteristics
- 1. 3.1. Classification According to Standards
- 1.3.2. Classification According to Management
- 1.3.3. Classification According to Origin

1.4. Characteristics and Properties
- 1. 4.1. Chemical Characteristics
- 1.4.2. Physical Characteristics
  - 1.4.2.1. Humidity
  - 1.4.2.2. Specific Weight
  - 1.4.2.3. Granulometry
- 1.4.3. Hazard Characteristics

1.5. Waste Problems. Origin and Types of Waste
- 1. 5.1. Main Problems of Waste Management
- 1.5.2. Problems in Generation
- 1.5.3. Problems in Transport and Final Treatment

1.6. Environmental Responsibility
- 1. 6.1. Liabilities for Environmental Damage
- 1.6.2. Damage Prevention, Mitigation and Remediation
- 1.6.3. Financial Guarantees
- 1.6.4. Environmental Requirement Procedures

1.7. Integrated Pollution Prevention and Control
- 1. 7.1. Fundamental Aspects
- 1.7.2. Environmental Requirement Procedures
- 1.7.3. Integrated Environmental Authorization (AAI) and Review of AAI
- 1.7.4. Information and Communication
- 1.7.5. Best Available Techniques (BAT)

1.8. European Emission Source Inventory
- 1. 8.1. Emission Inventory Background
- 1.8.2. European Pollutant Emission Inventory
- 1.8.3. European Pollutant Release and Transfer Register (E-PRTR)
- 1.8.4. Legal Framework of PRTR in Spain
- 1.8.5. PRTR-Spain

1.9. Environmental Impact Assessment
- 1. 9.1. Environmental Impact Assessment (EIA)
- 1.9.2. EIA Administrative Procedures
- 1.9.3. Environmental Impact Assessment (EIA)
- 1.9.4. Abbreviated Procedures

1.10. Climate Change and the Fight Against Climate Change
- 1. 10.1. Elements and Factors that Determine the Climate.
- 1.10.2. Definition of Climate Change. Effects of Climate Change
- 1.10.3. Actions Against Climate Change
- 1.10.4. Organizations Facing Climate Change
- 1.10.5. Predictions on Climate Change
- 1.10.6. Bibliographical References

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.

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.

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.

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 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 Technological 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 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

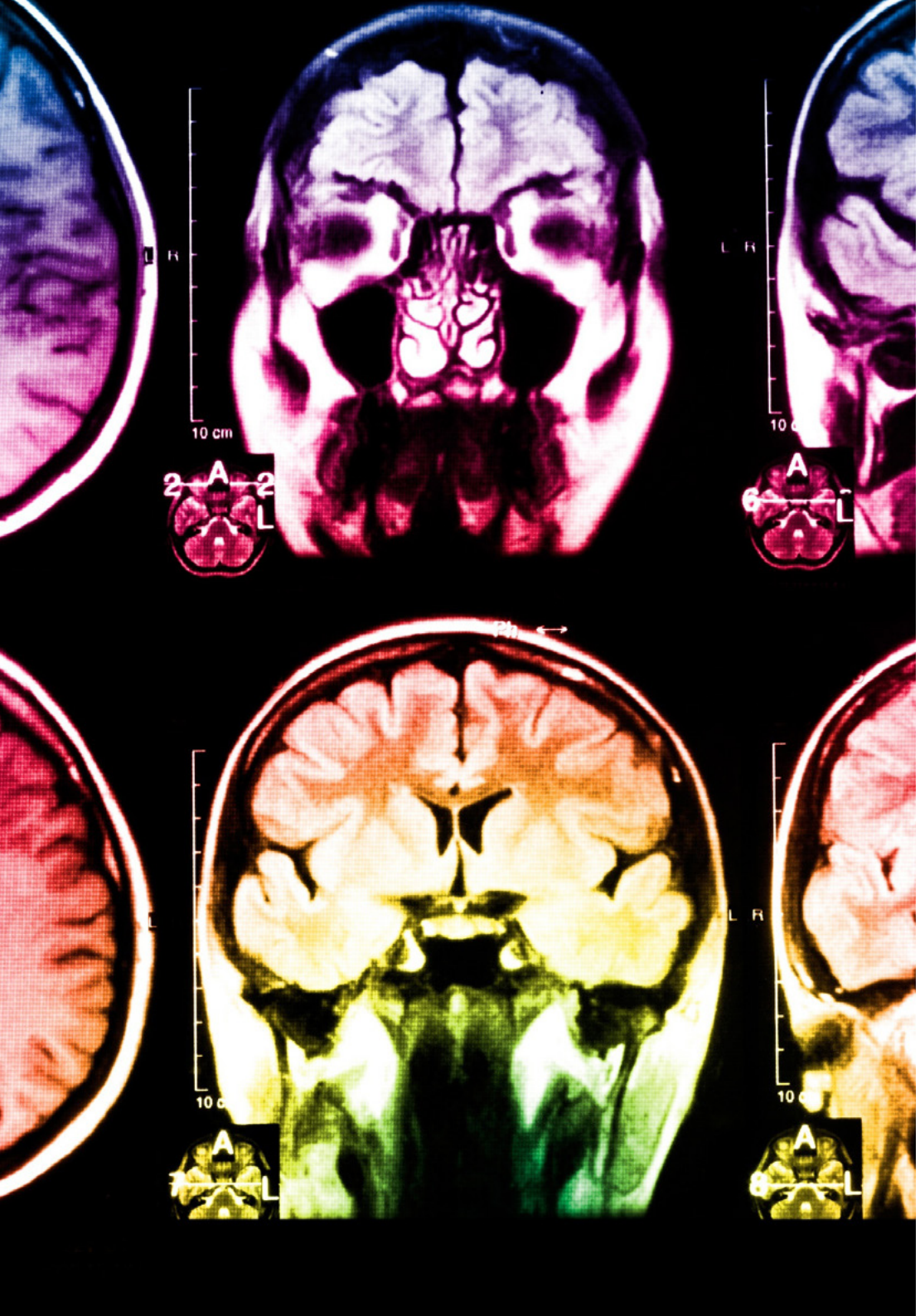
Our University is the first in the world to combine Harvard University case studies with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

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.

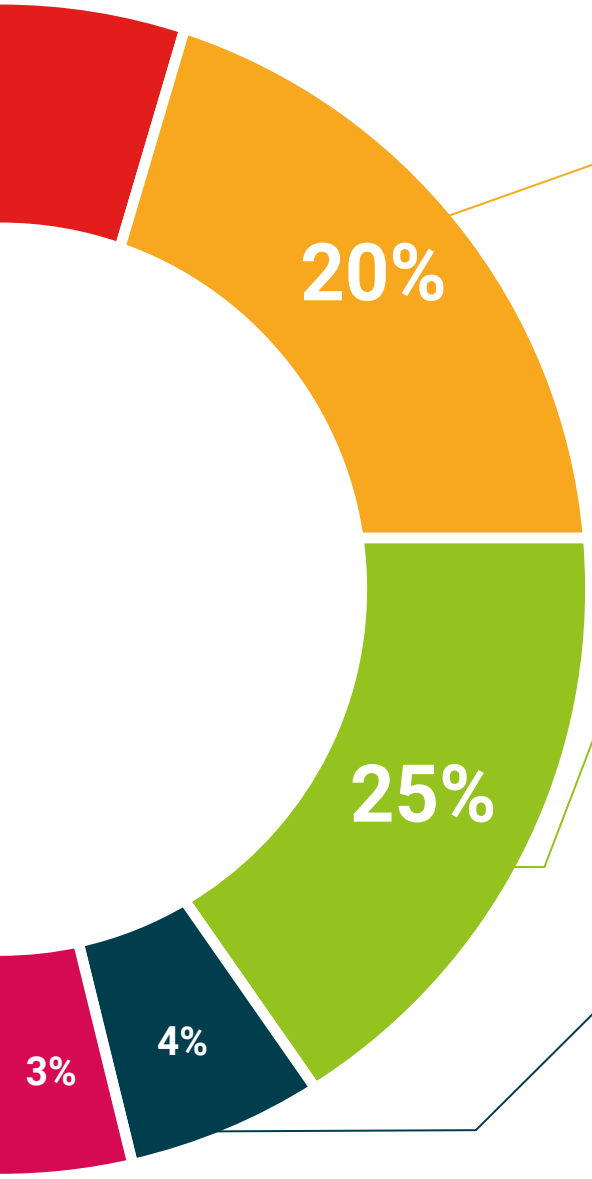
Learning from an expert strengthens knowledge and memory, and generates confidence in our difficult future decisions.

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

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

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

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

After the student has passed the evaluations, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University.**

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

Title: **Postgraduate Certificate in Waste Management**

ECTS: **6**

Official Number of Hours: **150**


tech technological university

Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Waste Management

This is a qualification awarded by this University, with 6 ECTS credits and equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.

Unique TECH Code: AFWORD23S techtitute.com/certificates

*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.

tech technological university

Postgraduate Certificate
Waste Management

- Modality: **online**
- Duration: **6 weeks**
- Certificate: **TECH Technological University**
- Schedule: **at your own pace**
- Exams: **online**

Postgraduate Certificate
Waste Management

tech technological university