Executive Master's Degree

Corporate Sustainability Management

MCSM

tech technological university

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Executive Master's Degree
Corporate Sustainability Management

- Modality: **online**
- Duration: **12 months**
- Certificate: **TECH Technological University**
- Dedication: **16h/week**
- Schedule: **at your own pace**
- Exams: **online**

Website: **www.techtitute.com/us/school-of-business/professional-master-degree/master-corporate-sustainability-management**

Index

01

Welcome

The growing global concern about pollution and climate change in today's society has generated a demand for professionals capable of designing and developing strategies to reduce organizations' environmental impact. As such, they are looking for professionals who not only have extensive knowledge at a business level, but also in environmental and energy management. For this reason, considering today's companies' needs, TECH offers this program that delves into corporate sustainability and energy efficiency. Therefore, all aspects related to management systems and environmental impact assessment will be taught, and energy management systems and the essential tools to promote energy efficiency standards will be explained in detail.

Executive Master's Degree in Corporate Sustainability Management.
TECH Technological University

Completing this comprehensive, academic program will allow you to become an expert in environmental and energy management, enabling you to offer your services as an energy analyst and consultant to different 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 centre for intensive managerial skills training.

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

At TECH Technological University

Innovation

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

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

The Highest Standards

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

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

Networking

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

100,000+
executives trained each year

200+
different nationalities

Empowerment

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

500+ | **collaborative agreements with leading companies**

Talent

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

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

Multicultural Context

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

TECH students represent more than 200 different nationalities.

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 studies in the academic community"

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

TECH offers students the best online learning methodology. The university combines the Relearning method (a postgraduate learning methodology with the highest international rating) with the Case Study. A complex balance between tradition and state-of-the-art, within the context of the most demanding academic itinerary.

Economy of Scale

TECH is the world's largest online university. It currently boasts a portfolio of more than 10,000 university postgraduate programs. And in today's new economy, **volume + technology = a ground-breaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.

03

Why Our Program?

Studying this TECH program means increasing the chances of achieving professional success in senior business management.

It is a challenge that demands effort and dedication, but it opens the door to a promising future. Students will learn from the best teaching staff and with the most flexible and innovative educational methodology.

We have highly qualified teachers and the most complete syllabus on the market, which allows us to offer you training of the highest academic level"

This program will provide students with a multitude of professional and personal advantages, particularly the following:

01

A significant career boost

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

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

02

Develop a strategic and global vision of companies

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

Our global vision of companies will improve your strategic vision.

03

Consolidate the student's senior management skills

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

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

04

Take on new responsibilities

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

45% of graduates are promoted internally.

05

Access to a powerful network of contacts

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

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

06

Thoroughly develop business projects

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

20% of our students develop their own business idea.

07

Improve soft skills and management skills

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

Improve your communication and leadership skills and enhance your career.

08

Be part of an exclusive community

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

We give you the opportunity to train with a team of world renowned teachers.

04

Objectives

This TECH Executive Master's Degree is designed to strengthen the skills of business professionals, who will find in this program a unique opportunity to improve in a sector of great importance in today's society. In addition, this program will allow students to learn about and apply environmental policies that promote the reduction of the consumption of natural resources and the use of renewable energies. Undoubtedly, a fundamental area today.

Achieve your academic goals by completing this Executive Master's Degree"

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

This **Executive Master's Degree in Company Sustainability Management** will enable the student to:

01 Gain an in-depth understanding into business organization and climate change mitigation strategies

02 Develop a solid understanding of the main energy sources used globally and innovations in the energy industry

03 Gain an in-depth understanding of electrical energy, breaking down the main consuming equipment and its applications

04 Master the most commonly used fuels and fuel consuming equipment

05 Manage both environmental and energy tools

06 Conduct energy audits

07 Conduct environmental impact assessments

08 Develop and implement environmental and energy improvements

09 In-depth breakdown of water and waste management to enable the learner to plan management plans and operational improvements

10 Gain an in-depth understanding of the applicable legislation and regulatory framework for each of the program's topics

11 Carry out the calculation of the carbon and water footprint of different facilities

12 Carry out product life cycle analysis

13 Develop a solid understanding of energy and environmental certifications

14 Develop and implement an ISO 14001 environmental management system

15 Develop and implement an ISO 50001 energy management system

16 Be able to carry out internal audits of management systems of organizations

05

Skills

This Executive Master's Degree in Corporate Sustainability Management has been designed with the changes taking place in today's society in mind. Sustainability is becoming increasingly important in all professional fields and, therefore, higher education will be essential in the coming years, as it will allow professionals to provide extra skills that will set them apart from the rest of the experts in the sector.

This program will allow you to delve into a very important field in today's society"

01 Know the applicable regulatory framework in reference to energy and environmental management and sustainability

02 Master terminology in the field of energy (generation and consumption), renewable energies and electrical, thermal and lighting installations

03 Accurately conduct energy audits, sustainability certifications, and carbon and water footprint calculations for organizations and/or products

04 Control environmental and energy management processes in any type of organization

05 Recognize the differences and advantages of different energy sources

06 Consider the appropriate uses of electrical energy from the point of view of environmental and energy management

07 Incorporate the consideration of the European energy framework into the management of organizations

08 Know how to apply adaptation strategies to climate change from the point of view of the environmental impact most appropriate to the standard and to the current situation

09 Working to reduce pollution through proper water and waste management

10 Implement energy management systems adapted to ISO 50001: 2018 and ISO 50001: 2011

11 Apply ISO 14001 environmental management systems

06

Structure and Content

Nowadays, practically all companies are including environmental criteria in their action plans, aimed at promoting more sustainable actions that not only benefit the company, but society as a whole. For this reason, more and more business professionals wish to specialize in this field, through high-quality programs like TECH's specific program on Corporate Sustainability Management, which provides all the latest information in this field.

Completing this program will be fundamental to your development in the field of environmental and energy management"

Syllabus

This Executive Master's Degree in Corporate Sustainability Management at TECH Technological University is an intensive program that prepares students to face challenges and business decisions in the field of environmental management. Its content is designed to promote the development of managerial skills that enable more rigorous decision-making in uncertain environments.

Throughout the 1,500 hours of study, students will review a multitude of practical cases through individual work, which will allow to them to acquire the necessary skills to develop successfully in their daily practice. It is, therefore, an authentic immersion in real business situations.

This program deals with different areas of the company in depth and is designed for managers to understand environmental management from a strategic, international and innovative perspective.

A plan designed especially for the students, focused on their professional improvement and preparing them to achieve excellence in the environmental and energy management field. A program that understands your needs and those of your company through innovative content based on the latest trends, and supported by the best educational methodology and an exceptional faculty, which will provide you with the competencies to solve critical situations in a creative and efficient way.

The program lasts 12 months and is divided into 10 modules:

Module 1	Environmental and Energy Management of Organizations
Module 2	Energy Sources
Module 3	Electrical Energy
Module 4	Energy Management Tools
Module 5	Environmental Impact Assessment and Climate Change Adaptation Strategies
Module 6	Pollution and Water and Waste Management
Module 7	Environmental Management Tools
Module 8	Energy Management Systems
Module 9	Environmental Management Systems
Module 10	Management System Audits

Where, when and how is it taught?

TECH offers the possibility of developing this Executive Master's Degree in Corporate Sustainability Management completely online. Over the course of 12 months, 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, key, and decisive educational experience to boost your professional development and make the definitive leap.

Module 1. Environmental and Energy Management of Organizations

1.1. Organizational and Business Fundamentals
1.1.1. Organizational Management
1.1.2. Types and Structure of an Organization
1.1.3. Standardization of Business Management

1.2. Sustainable Development: Business and Environment
1.2.1. Sustainable Development: Objectives and Goals
1.2.2. Economic Activity and its Impact on the Environment
1.2.3. Corporate Social Responsibility

1.3. Environmental and Energy Issues: Scope and Current Framework
1.3.1. Major Current Environmental Problems: Waste, Water, Food
1.3.2. Energy Problems: Demand, Consumption Distributions and Sources
1.3.3. Current Energy Projections

1.4. European Summits and the Paris Agreement
1.4.1. EU Climate Targets
1.4.2. European Summits
1.4.3. The Paris Agreement

1.5. The 2030 Agenda and the Sustainable Development Goals
1.5.1. The 2030 Agenda: Background, Approval Process and Content
1.5.2. The 17 Sustainable Development Goals (SDGs)
1.5.3. SDG Compass Guide

1.6. Circular Economy
1.6.1. Circular Economy
1.6.2. Legislation and Strategies to Support the Circular Economy
1.6.3. Circular Economy System Diagrams

1.7. Sustainability Reports
1.7.1. Communication of Social Responsibility Management
1.7.2. The Process of Preparing a Sustainability Report according to GRI

Module 2. Energy Sources

2.1. Fossil Fuels
2.1.1. Coal
2.1.2. Natural Gas
2.1.3. Oil

2.2. Electricity
2.2.1. Electricity
2.2.2. Electricity Generation
2.2.3. Uses of Electricity

2.3. Nuclear Energy
2.3.1. Nuclear Energy
2.3.2. Nuclear Power Plants
2.3.3. Environmental Opportunities
2.3.4. Environmental Risks
2.3.5. Nuclear Waste Treatment

2.4. Solar Energy
2.4.1. Electricity Generation
2.4.2. Thermal Generation
2.4.3. Solar Power Plants
2.4.4. Risks and Opportunities

2.5. Wind Energy
2.5.1. Wind Farms
2.5.2. Advantages and Disadvantages
2.5.3. Microgeneration

2.6. Biomass
2.6.1. Thermochemical and Biochemical Methods
2.6.2. The Biomass Market
2.6.3. Advantages and Disadvantages

2.7. Geothermal Energy
2.7.1. Geothermal Deposits
2.7.2. Electricity Generation
2.7.3. Advantages and Disadvantages

2.8. Other Renewable Energies
2.8.1. Hydraulic Energy
2.8.2. Tidal Energy
2.8.3. Wave Energy

2.9. Energy Sources in Development
2.9.1. Green Hydrogen
2.9.2. Tidal Energy
2.9.3. Biogas and Biomethane

2.10. Energy Sources for Mobility
2.10.1. Electric Vehicles
2.10.2. CNG Vehicles
2.10.3. Other Alternatives for Sustainable Mobility

Module 3. Electrical Energy

3.1. Electrical Energy: Voltage, Current, Power and Energy
3.1.1. Voltage and Current
3.1.2. Active, Reactive and Apparent Energy
3.1.3. Electrical Power: Load Curves

3.2. Energy Transformation
3.2.1. Power Transformers
3.2.2. Electricity Transportation
3.2.3. Electricity Distribution

3.3. Electrical Energy Consuming Systems: Electric Engines
3.3.1. Applications, Pumps, Fans and Compressors
3.3.2. Frequency Inverters
3.3.3. Motor-Driven Consumer Systems: Heat Pump Air Conditioning

3.4. Other Electricity Consuming Systems
3.4.1. Joule Effect
3.4.2. Lighting
3.4.3. Direct Current Powered Systems

3.5. Electricity Billing
3.5.1. Legislation
3.5.2. Electricity Rates
3.5.3. Electricity Billing Term

3.6. Units of Measurement of Fuel Consumption and their Transformation into Energy Units
3.6.1. Energy Produced by Heat of Combustion: HHV and LLV
3.6.2. Volumetric Measurements of Combustible Liquids
3.6.3. Volumetric Measurements of Combustible Gases: Establishment and Calculation of Normal Conditions

3.7. Combustion Systems and Fuel Elements
3.7.1. Combustion Efficiency
3.7.2. Burners
3.7.3. Heat Transfer

3.8. Boilers
3.8.1. Calculation of Boiler Efficiency by Direct and Indirect Method
3.8.2. Types of Heat Transfer Fluids
3.8.3. Steam Boilers

3.9. Other Fuel-Consuming Equipment
3.9.1. Ovens
3.9.2. Engines
3.9.3. Generating Sets

3.10. Fuel Billing
3.10.1. Legislation
3.10.2. Natural Gas Rates
3.10.3. Natural Gas Billing Terms

Module 4. Energy Management Tools

4.1. Energy Regulatory Framework
4.1.1. European Energy Efficiency Directive
4.1.2. Main Energy Regulations

4.2. Regulatory Inspections
4.2.1. Air Conditioning Inspections
4.2.2. High/Low Voltage Inspections
4.2.3. Other Regulatory Inspections

4.3. Energy Audits
4.3.1. Energy Audit Development and Improvement Opportunity Identification

4.4. Energy Simulation tools
4.4.1. Light Simulations
4.4.2. Air Conditioning Simulations
4.4.3. Building Energy Demand Simulations

4.5. Supply Management: Monitoring
4.5.1. Types of Monitoring
4.5.2. Energy Management Platforms
4.5.3. Fundamental Equipment

4.6. Energy Services
4.6.1. Energy Services
4.6.2. Energy Service Companies
4.6.3. Types of Contracts

4.7. IPMVP
4.7.1. Calculating Savings Avoided Cost and Standardized Savings Models
4.7.2. Options A, B, C and D
4.7.3. Establishing Baselines

4.8. Energy Efficiency Master Plans
4.8.1. Methodology for Preparing a Master Plan
4.8.2. Management Models
4.8.3. Energy Efficiency within a Master Plan

4.9. Asset Management
4.9.1. What Is Asset Management?
4.9.2. ISO 55001 Asset Management
4.9.3. Benefits of Implementing Asset Management

4.10. Grants and Subsidies
4.10.1. European Grants and Subsidies

Module 5. Environmental Impact Assessment and Climate Change Adaptation Strategies

5.1. Business Strategies for Climate Change
5.1.1. Greenhouse Effect and Climate Change. Causes and Consequences
5.1.2. Climate Change Projections
5.1.3. Corporate Action against Climate Change. Roadmap for the Integration of Climate Change in Companies

5.2. Identification and Classification of Environmental Factors
5.2.1. Environmental Catalog Environmental Variables
5.2.2. Search for Environmental Information and Inventory
5.2.3. Inventory Valuation

5.3. Evaluation and Assessment of the Environmental Impacts of a Project
5.3.1. Environmental Analysis of a Project
5.3.2. Pre-Operational Status
5.3.3. Construction, Operation and Abandonment Phase
5.3.4. Quantitative Methods

5.4. Preventive and Corrective Measures
5.4.1. Preventative Actions
5.4.2. Corrective Actions
5.4.3. Compensatory Actions

5.5. Environmental Monitoring Program
5.5.1. EMP
5.5.2. Objectives and Structure of an EMP
5.5.3. Phases in the Development of an EMP

5.6. Strategic Environmental Assessment
5.7.1. European Regulatory Context (Directive 2001/42/EC)
5.6.2. Modalities for Integrating the Environmental Dimension
5.6.3. Environmental Assessment in the Phases of the Program

5.7. Analysis of Climate Change Risks and Opportunities
5.7.1. Environmental Risk Analysis and Assessment
5.7.2. Risk Management

5.8. Development of Climate Change Adaptation Plans for Organizations
5.8.1. Adaptation to Climate Change
5.8.2. Climate Change Vulnerability Assessment
5.8.3. Methodology for Prioritizing Climate Change Adaptation Measures

Module 6. Pollution and Water and Waste Management

6.1. Water Management and Pollution
6.1.1. Water Management
6.1.2. Water Cycle
6.1.3. Water Diagnostics
6.1.4. Wastewater Characterization
6.1.5. DWTP, WTP and WWTP: Definition and Typical Operating Diagrams

6.2. Distribution of Water Uses and Demand
6.2.1. Demand Management
6.2.2. Types of Uses or Demands
6.2.3. Supply. Supply Ratios
6.2.4. Cost of Water and the Energy Derived from Water Heating for DHW

6.3. Measures for Efficient Water Use and Management
6.3.1. "Ecological" Criteria. Consumption Factor (FCO and FCR), Ecological Correction Factor (FCE) and Efficiency Level (NE)
6.3.2. From Resolution MAH/1603/2004 to OGUEA
6.3.3. Facility Management and Optimization

6.4. Sustainable Water Management Plan
6.4.1. Sustainable Water Plan Origin: Purpose and Scope
6.4.2. Parts to Include in an ESMP
6.4.3. Organization and Programming
6.4.4. ESMP Implementation
6.4.5. Checks and Corrective Actions

6.5. Solid Waste Management
6.5.1. Residue and By-Product
6.5.2. Types of Waste
6.5.3. Stages of Waste Management

6.6. Waste Regulatory Framework
6.6.1. EU Waste Management Strategies
6.6.2. Future Waste Management Policy

6.7. Municipal and Industrial Solid Waste
6.7.1. MSW Production
6.7.2. MSW Management Systems
6.7.3 Industrial Waste Characterization and Classification
6.7.4. Industrial Waste Management Systems

6.8. Waste-to-Energy Valuation
6.8.1. Valuation Methods
6.8.2. Valuation Feasibility
6.8.3. Recovery Techniques

6.9. Zero Waste
6.9.1. Zero Waste
6.9.2. Zero Waste Methodology and Requirements
6.9.3. The 5 Rs: Reject, Reduce, Reuse, Reincorporate and Recycle

Module 7. Environmental Management Tools

7.1. Carbon Markets
7.1.1. KP Flexibility Mechanisms
7.1.2. CAP and Trade and Carbon Funds Schemes
7.1.3. Voluntary Carbon Markets

7.2. Organizational Carbon Footprint
7.2.1. Methodological Reference Standards
7.2.2. Scopes for Organizational Carbon Footprint
7.2.3. Calculation Process

7.3. Product and Event Carbon Footprint
7.3.1. Methodological Reference Standards
7.3.2. Scopes for Product Carbon Footprint
7.3.3. Scopes for Carbon Footprint of Events

7.4. Climate Change Mitigation Tools
7.4.1. Reduction and Limitation of Emissions
7.4.2. Emissions Offsets
7.4.3. Business Benefits: Certifications

7.5. Water Footprint
7.5.1. Stages and Units
7.5.2. Differentiation of Water for Calculations
7.5.3. The Water Footprint for Companies

7.6. Life Cycle Analysis
7.6.1. Differentiation of Approaches
7.6.2. LCA Process
7.6.3. Software Tools for LCA

7.7. Eco-Design and Eco-Labeling
7.7.1. Eco-Design Standardization
7.7.2. Types of Eco-Labeling
7.7.3. Eco-Labeling Process

7.8. LEED and BREEAM
7.8.1. The Value of Sustainable Building Certification
7.8.2. Approaches to Both Certifications
7.8.3. Technical Comparison between the Two Certifications

7.9. Other Sustainable Building Certifications
7.9.1. Passive House
7.9.2. Well
7.9.3. VERDE (Building Reference Efficiency Evaluation)

7.10. Energy Certification of Buildings
7.10.1. Energy Efficiency in Buildings
7.10.2. Technical Conditions and Procedures
7.10.3. Main Calculation Programs

Module 8. Energy Management Systems

8.1. Management Systems: ISO 50001
8.1.1. Reference Standard and Other Associated Standards
8.1.2. Approach to Energy Performance
8.1.3. Correspondence between ISO 50001: 2018 and ISO 50001: 2011

8.2. Organizational Context and Leadership
8.2.1. Scope
8.2.2. Energy Policy
8.2.3. Stakeholder Identification and Risk/ Opportunity Assessment

8.3. Energy Review
8.3.1. Identification of Energy Sources
8.3.2. Determination of Significant Energy Uses
8.3.3. Identification of Variables and Static Factors
8.3.4. Calculation of Energy Performance
8.3.5. Estimation of Future Consumption
8.3.6. Identification of Improvement Opportunities

8.4. Baseline and Energy Performance Indicators
8.4.1. Establishment of the Reference Period
8.4.2. Establishment of Energy Performance Indicators
8.4.3. Monitoring of Consumption, Baselines and Indicators

8.5. Support
8.5.1. Training Needs within the SGEn
8.5.2. Communications within the SGEn
8.5.3. Documentation Control

8.6. Operation: Maintenance and Operations
8.6.1. Establishing the Most Efficient Operating Criteria
8.6.2. Establishing the Most Efficient Maintenance Ranges
8.6.3. Energy Savings from Predictive Maintenance

8.7. Operation: Design of Efficient Facilities
8.7.1. Purchases of Energy Consuming Equipment
8.7.2. Design of New Thermal Installations
8.7.3. Design of New Lighting Installations

8.8. Performance Evaluation
8.8.1. Evaluation of Compliance with Legal Requirements
8.8.2. Internal Audit as a Fundamental Tool
8.8.3. Management Review: Objectives and Points to Be Addressed

8.9. Improvement
8.9.1. Non-Conformities and Corrective Actions
8.9.2. Continuous Improvement of the SGEn
8.9.3. Continuous Improvement of Energy Performance

8.10. Energy Efficiency Awareness
8.10.1. Facility Users as Key SGEn Personnel
8.10.2. Awareness Campaign Models
8.10.3. Case Study

Module 9. Environmental Management Systems

9.1. Management Systems: ISO 14001
9.1.1. Environmental Management Systems
9.1.2. Benefits of the Environmental Management System
9.1.3. EMS Implementation Phases

9.2. Organizational Context and Leadership
9.2.1. Understanding of the Organization, its Context and Stakeholders
9.2.2. Scope of the System
9.2.3. Environmental Policies
9.2.4. Roles and Responsibilities

9.3. Planning: Environmental Aspects and Impacts
9.3.1. Environmental Aspects and Impacts: Cause and Effect Relationship
9.3.2. Identification of Environmental Aspects
9.3.3. Evaluation of Environmental Aspects

9.4. Planning: Objectives, Risks and Opportunities
9.4.1. Actions to Address Risks and Opportunities
9.4.2. Legal Requirements
9.4.3. Environmental Objectives and Planning to Achieve Them

9.5. Support: Resources, Competence and Awareness
9.5.1. Resources
9.5.2. Competition
9.5.3. Awareness

9.6. Support: Documented Communication and Information
9.6.1. Internal and External Environmental Communication
9.6.2. Documented Information
9.6.3. Documentation Control

9.7. Operation
9.7.1. Operational Planning and Control
9.7.2. Life Cycle Analysis Perspective
9.7.3. Emergency Preparedness and Response

9.8. Performance Evaluation
9.8.1. Monitoring, Measurement, Analysis and Evaluation
9.8.2. Internal Auditing
9.8.3. Management Review

9.9. Improvement
9.9.1. Non-Conformities and Corrective Actions
9.9.2. Continuous EMS Improvement
9.9.3. Continuous Environmental Performance Improvement

9.10. Transition from 14001 to EMAS
9.10.1. The EMAS Regulation
9.10.2. Transition from ISO 14001 to EMAS
9.10.3. ISO 14001 vs. EMAS

Module 10. Management System Audits

10.1. Management System Audits
10.1.1. Management System Audit Characteristics
10.1.2. Types of Management System Audits
10.1.3 Management System Auditing Principles

10.2. Standards and Organizations Involved
10.2.1. Actors and Organizations Involved
10.2.2. Accreditation Process
10.2.3. UNE- EN ISO 19011

10.3. Audit Program Management
10.3.1. Audit Programs
10.3.2. Establishing the Objectives of Audit Programs
10.3.3. Audit Program Risks and Opportunities

10.4. Conducting an Audit
10.4.1. Audit Start and Preparation of Activities
10.4.2. Conducting Audit Activities
10.4.3. Conclusions and Audit Closing

10.5. Auditor Competence and Evaluation
10.5.1. Auditors' Responsibilities and Functions
10.5.2. Determining the Competence of the Auditor and Audited Personnel
10.5.3. Selecting Auditing Teams

10.6. Tools and Application Techniques. Audit Development
10.6.1. Interview Techniques
10.6.2. Checklists or Verification Lists
10.6.3. Checklist Templates

10.7. Tools and Application Techniques. Final Report
10.7.1. Audit Report Preparation
10.7.2. Audit Report Distribution
10.7.3. Audit Report Models

10.8. Tools and Application Techniques. Processing of Findings
10.8.1. Audit Finding Generation
10.8.2. Audit Finding Treatment
10.8.3. Corrective Action Plans

10.9. Particular Aspects of Environmental Management System Audits
10.9.1. Verification of Methodologies for Identification and Assessment of Environmental Aspects
10.9.2. Specific Criteria for Validation of Environmental Aspects
10.9.3. Visit to the Facilities During the Audit Process

10.10. Particular Aspects of Energy Management System Audits
10.10.1. Verification of Energy Consumption Collection Methodologies
10.10.2. Criteria for Validation of Energy Performance
10.10.3. Visit to the Facilities During the Audit Process

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

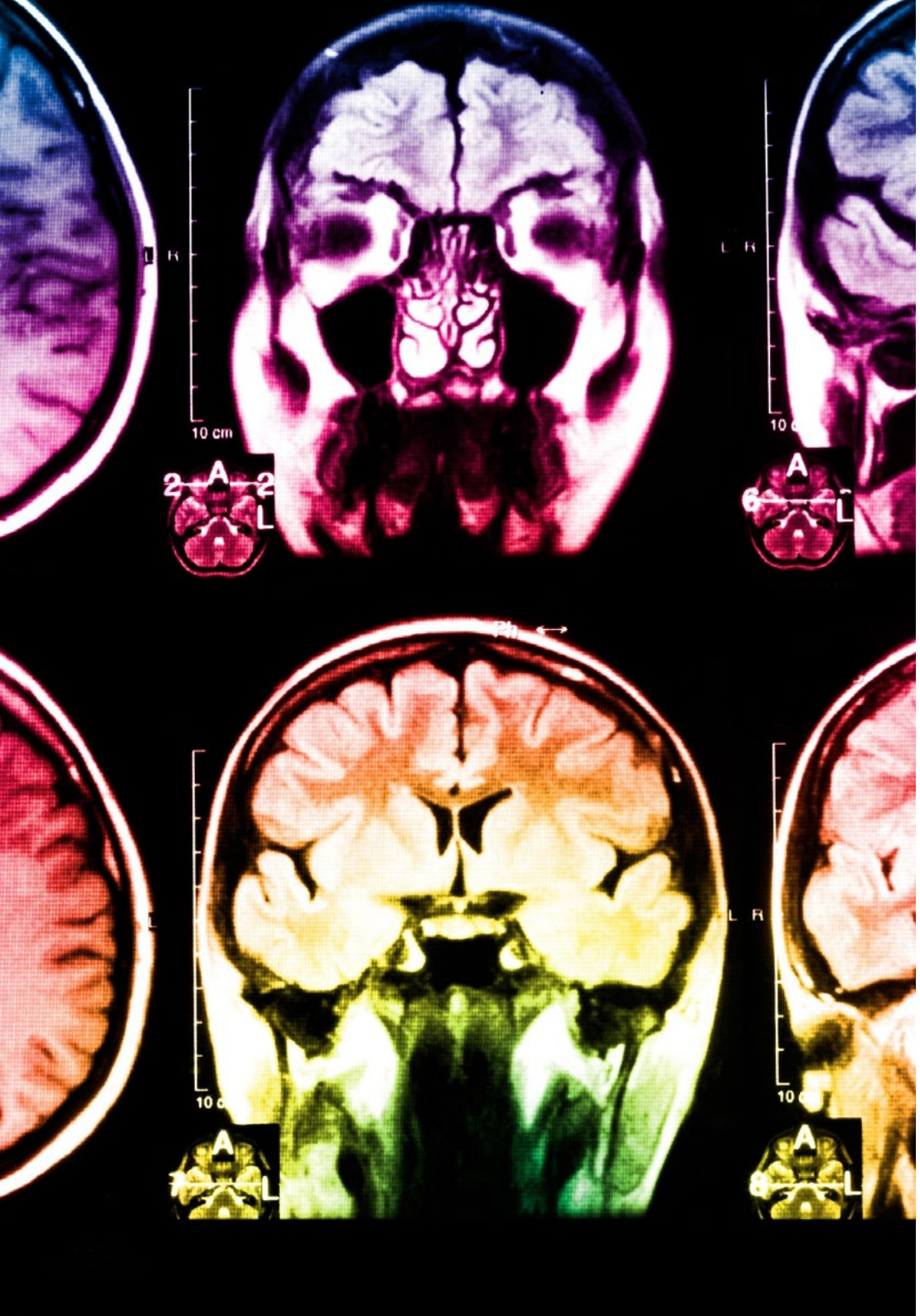
TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

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.

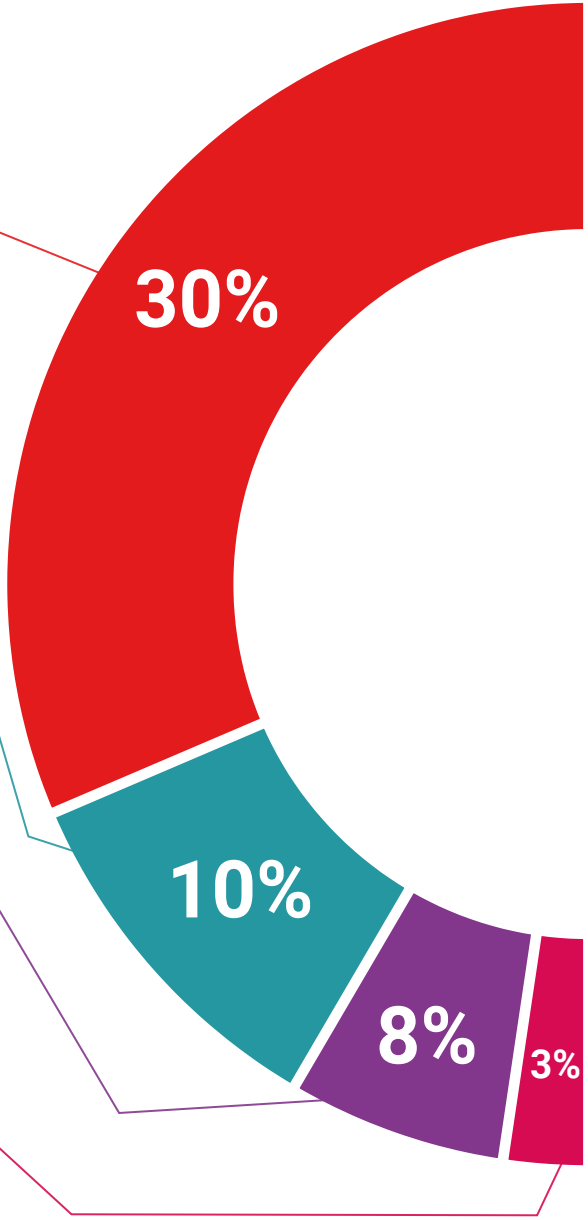
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

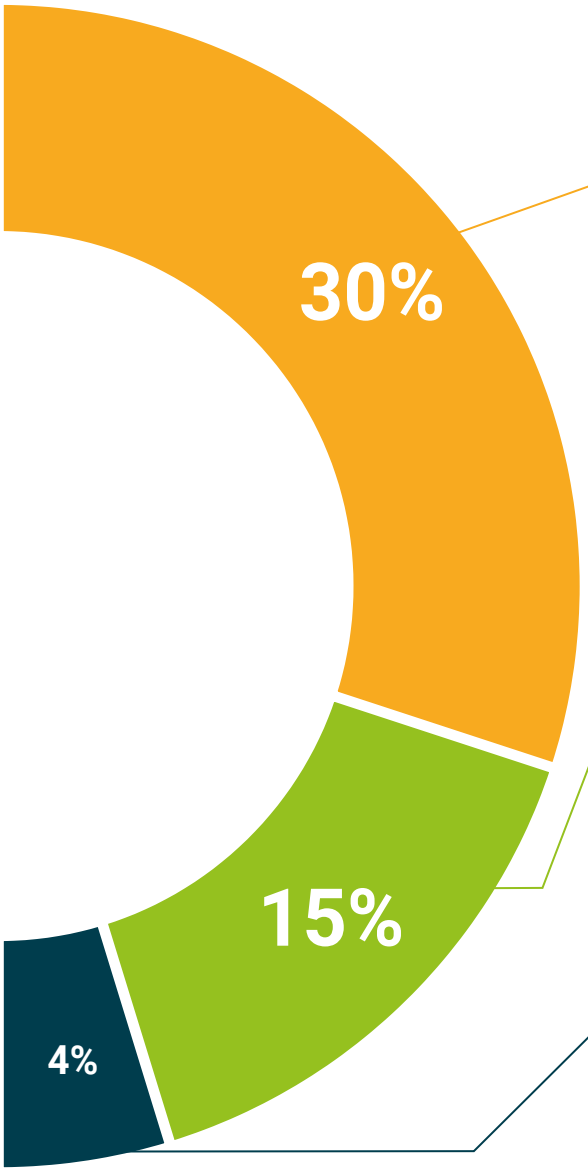
Management Skills Exercises

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.

08

Our Students' Profiles

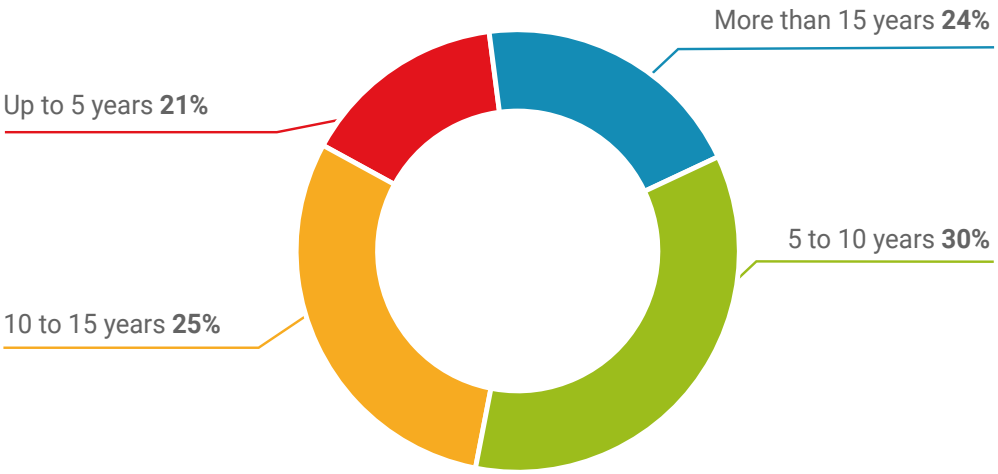
Students of this Executive Master's Degree in Corporate Sustainability Management are people who believe in higher education through postgraduate studies to improve their professional level. Therefore, these are students who understand the importance of continuing with their studies throughout their working lives, with the main objective of being able to continue at the forefront of their careers, adapting smoothly to changes in society and the sector.

If you are looking for professional improvement in the environmental management field, this is the program for you"

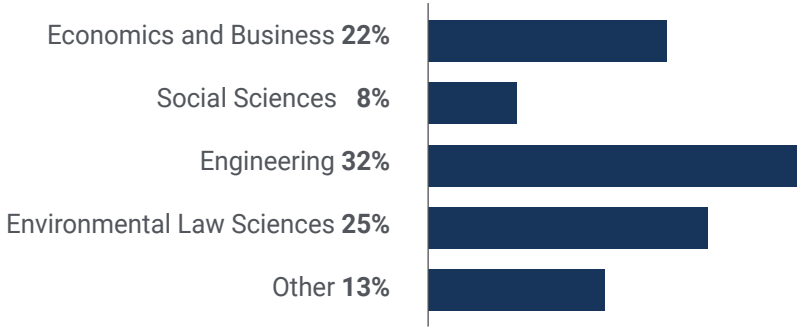
Average Age

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

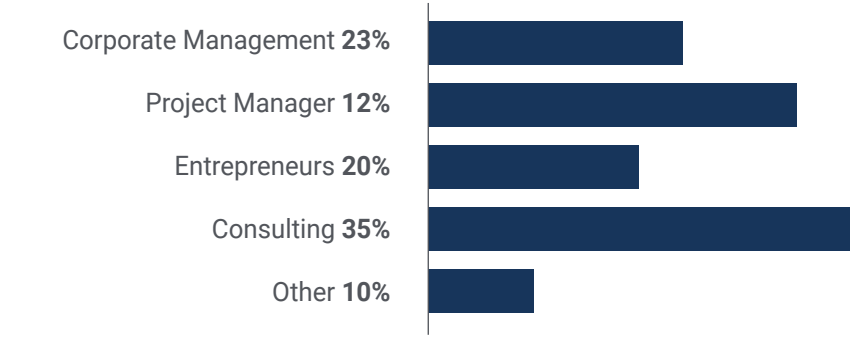
Years of Experience



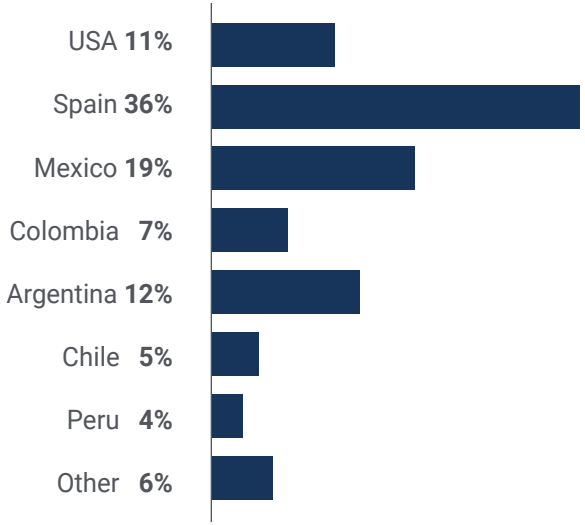
Training



Academic Profile



Geographical Distribution



Pablo Menéndez

Energy Consultant

"Completing this Executive Master's Degree at TECH has been very useful for my professional development, due to the great advances that have taken place in this sector in recent years. Because of this, I have been able to refresh my knowledge in a simple way, by taking the program online. Undoubtedly, the opportunity I was waiting for to boost my career"

09

Course Management

The teaching staff of this Executive Master's Degree in Corporate Sustainability Management are professionals with extensive experience and prestige in the sector, who have come together in this program with the main objective of offering students the best qualification of its time. Therefore, from this team of experts, students will benefit not only from their knowledge, but also from the support required to understand the most up-to-date concepts in this field.

First class teachers have joined forces in this program to improve your program in Corporate Sustainability Management"

Management

Mr. Abreu Acosta, Guzmán

- Technician in the area of Territorial Planning and Management at Gestión y Planeamiento Territorial y Medioambiental de Canarias
- Degree in Law
- Occupational Health and Safety Auditor, Specialization in OSHAS 18001
- Degree in Environmental Sciences. UNIVERSITY OF HUELVA
- Lawyer in his own law firm, specialized in Urban Development and Environmental Law
- Freelance consultant specializing in Risk Prevention, Quality and Environment

Professors

Mr. Espinosa, César

- Head of the Environment Service of Arona City Council
- Degree in Law
- Recipient of the IV Felipe González Vicent Prize, Faculty of Law ULL
- UNESCO Global Geopark El Hierro Technical Manager
- Technical Manager El Hierro World Biosphere Reserve
- Legal Coordinator of the Department of Rural and Marine Affairs and the Environment of the Island Council of El Hierro
- Technical Project Manager

Mr. Palanco, César

- Director - Manager INTENSA PROMILAB
- Industrial Engineer. Mechanical Intensification
- Industrial Technical Engineer. Industrial Electronics Specialty
- Construction Manager
- Installation and testing technician
- Purchasing Manager TOGOGAS Huelva S.L
- Installation technician TOGOGAS Huelva S.L
- Commercial Delegate TOGOGAS Huelva S.L

Mr. Toscano, Manuel

- Technical Engineer in Drilling and Mining Prospecting
- Degree in Geological Sciences from the University of Granada
- Technical Engineer in Energy, Fuels and Explosives Resources
- Degree in Mine Exploitation from the University of Huelva
- Author and/or co-author of more than ninety national and international contributions
- National and international projects financed by the Andalusia Council, the Spanish government and the European Union

Mr. Bueno Márquez, Pedro

- Technician of the Directorate General of Vocational Training, Ministry of Education and Sports
- Chemical Engineering, University of Huelva
- Postgraduate Course on Renewable Energy Management and Development, Catholic University of Avila
- Technical Teacher of Vocational Training. Department of Education and Sports
- Andalusian Energy Agency Technician
- Project Engineer. Aldesa Engineering & Services
- Project Engineer. Andalusian Studies Group (Grande S.L.)

Ms. Granell García, Lilia

- Manager and Administrator of Recap Canarias Finance Bachelor of Science in Physics, specializing in Fundamental Physics
- Recap ibérica Financa, ltd
- Technical and commercial director SOTEC group
- Technical and commercial director SEIFERMANN
- CEO of CERCAN

Mr. Contreras Acuña, Manuel

- Contract Researcher Department: Chemistry and Materials Science
- Doctor in Chemical Sciences Faculty of Experimental Sciences, University of Huelva
- Master's Degree in Instrumental Techniques in Chemistry, Faculty of Experimental Sciences, University of Huelva
- Triple Master's Degree in Occupational Health and Safety, Quality and Environmental Management
- Interim Substitute Professor Department: Chemistry and Materials Science

10

Impact on Your Career

Today's business professionals must broaden their studies beyond simple business management. Society is changing and, therefore, so must these specialists' knowledge. Completing this Executive Master's Degree in Corporate Sustainability Management will add quality to students' qualifications by offering all knowledge that, although it may seem totally removed from their daily work, can be of great use in directing companies towards a more sustainable business model that favors natural resource durabiltity.

Improve your employability options after completing this Executive Master's Degree in TECH, with the latest information in this field"

A highly valuable academic program to enhance your environmental policy training.

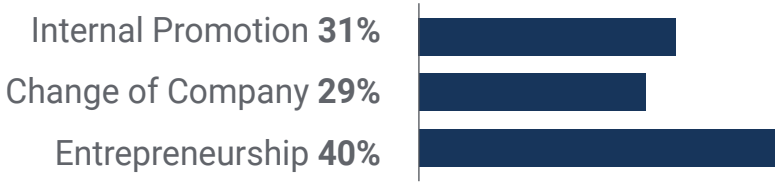
Are you ready to take the leap? Excellent professional development awaits you

This Executive Master's Degree in Corporate Sustainability Management at TECH Technological University is an intensive and highly valuable program aimed at improving students' professional skills in an area of extensive competition. Undoubtedly, it is a unique opportunity to improve professionally, but also personally, as it involves effort and dedication.
Those who wish to improve themselves, achieve a positive change at a professional level and interact with the best, will find their place at TECH.

Take a radical turn in your career thanks to the specialization offered by this program.

When the change occurs

Type of change



Salary increase

This program represents a salary increase of more than **25.22%** for our students

11

Benefits for Your Company

This Executive Master's Degree in Corporate Sustainability Management at TECH is a high-quality program aimed at improving business professionals' competitiveness to give a boost to their companies and to guide them towards more sustainable models and adapted to the needs of today's society. This way, students will understand the importance of targeting the promotion of environmental policies.

Apply a new working method to your business that reduces environmental impact"

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

01

Intellectual Capital and Talent Growth

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

03

Building agents of change

The professional 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

Professionals will be work on a current project or develop new projects in the field of R&D or Business Development within their company.

06

Increased competitiveness

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

12

Certificate

The Executive Master's Degree in Corporate Sustainability Management guarantees you, in addition to the most rigorous and up-to-date training, access to a Executive Master's Degree issued by TECH Technological University.

Successfully complete this program and receive your university degree without travel or laborious paperwork”

This **Executive Master's Degree in Corporate Sustainability Management** contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding **Executive Master's Degree** issued by **TECH Technological University** via tracked delivery*.

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

Title: **Executive Master's Degree in Corporate Sustainability Management**

Official Nº of hours: **1,500 h.**


tech technological university

Awards the following

DIPLOMA

to

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

For having successfully passed and accredited the following program

EXECUTIVE MASTER'S DEGREE

in

Corporate Sustainability Management

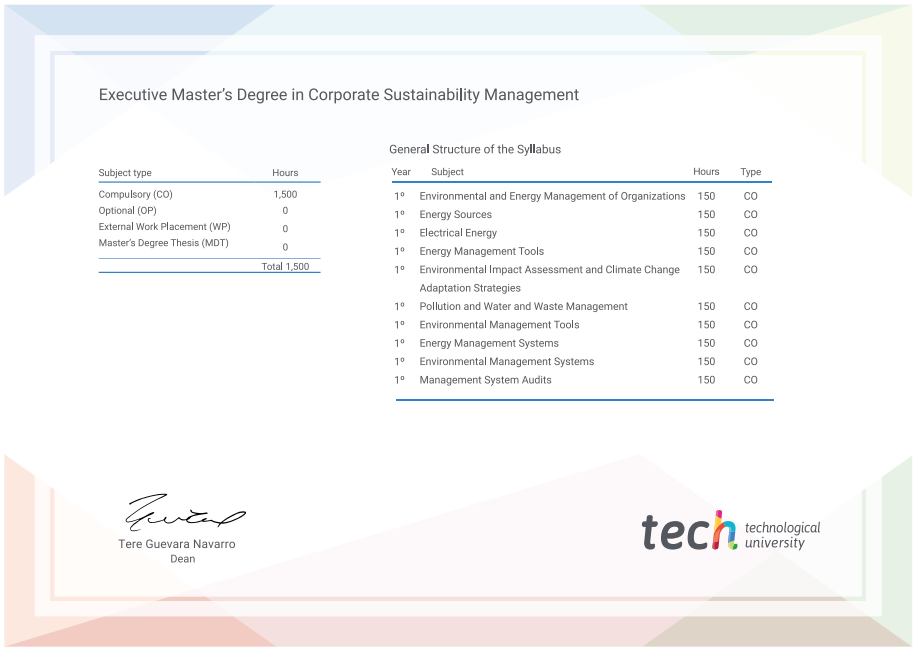
This is a qualification awarded by this University, equivalent to 1,500 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

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

Unique TECH Code: AFWORD23S techtitute.com/certificates


Executive Master's Degree in Corporate Sustainability Management

Subject type	Hours
Compulsory (CO)	1,500
Optional (OP)	0
External Work Placement (WP)	0
Master's Degree Thesis (MDT)	0
	Total 1,500

General Structure of the Syllabus

Year	Subject	Hours	Type
1º	Environmental and Energy Management of Organizations	150	CO
1º	Energy Sources	150	CO
1º	Electrical Energy	150	CO
1º	Energy Management Tools	150	CO
1º	Environmental Impact Assessment and Climate Change Adaptation Strategies	150	CO
1º	Pollution and Water and Waste Management	150	CO
1º	Environmental Management Tools	150	CO
1º	Energy Management Systems	150	CO
1º	Environmental Management Systems	150	CO
1º	Management System Audits	150	CO

Tere Guevara Navarro
Dean

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*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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Executive Master's Degree
Corporate Sustainability Management

- Modality: **online**
- Duration: **12 months**
- Certificate: **TECH Technological University**
- Dedication: **16h/week**
- Schedule: **at your own pace**
- Exams: **online**

Executive Master's Degree

Corporate Sustainability Management

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