

Postgraduate Certificate

Environmental Impact Assessment and Management Systems





Postgraduate Certificate Environmental Impact Assessment and Management Systems

- » 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/environmental-impact-assessment-management-systems

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01

Introduction

New technologies are favoring the emergence of newer software and techniques to assess the effects of human action on the seas, soils or air. Likewise, the change in mentalities amongst businesses has led to the adoption of both corrective and preventive measures to limit the impact of their activity on the environment. In this scenario, an increasing number of companies are demanding professionals in Environmental Engineering specialized in management systems that can apply the most efficient measures. For this reason, TECH offers graduates an intensive program with a theoretical and practical focus on assessing the environmental impact of a project, business strategy and the development of climate change adaptation plans for organizations. All in a 100% online academic format that can be easily accessed from a computer with an internet connection.





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A 100% online Postgraduate Certificate that'll let you plan a range of projects for companies, whilst taking into account the key measures to reverse climate change”

The consequences of the greenhouse effect and climate change have led to the adoption of corrective measures and regulations for actions carried out in all sectors. This situation has also caused great concern in the scientific community, which warns of the serious consequences of the pollution of the planet, in addition to highlighting the scarcity of natural resources and the need to seek alternatives to the great impact of human action on the environment.

A reality that requires transformation from different disciplines, and that largely depends on the specialization of engineering professionals, whose contributions to organizations will be key. Thus, environmental engineers are already in great demand and it is expected that in the near future their work will be even more relevant and valued. For this reason, TECH has designed this Postgraduate Certificate in Environmental Impact Assessment and Management Systems, which will provide the graduate with the most advanced and essential knowledge to progress in their professional career.

An intensive program, where in only 6 weeks you will obtain the most important information about the roadmap that companies must follow to face climate change, project evaluations, and the effects that they can cause on the environment in addition to the corrective measures that must be applied. All this with the most innovative didactic resources from the current academic landscape that you can easily access from any electronic device with internet connection.

A degree, which is an excellent opportunity for the Environmental Engineer who wishes to progress in their professional field with a 100% online university degree, compatible with the most demanding responsibilities. In addition, the *Relearning* system used by TECH allows students to reduce the long hours of study that are so frequent in other teaching methods.

This **Postgraduate Certificate in Environmental Impact Assessment and Management Systems** contains the most complete and up-to-date program on the market. The most important features include:

- ◆ The development of case studies presented by experts of Environmental Engineering
- ◆ The graphic, schematic, and 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
- ◆ Its special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions to the experts, debate forums on controversial topics, and individual reflection assignments
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



Enroll now in a Postgraduate Certificate where you can access the course load according to your needs"

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In only 6 weeks you can obtain the most advanced knowledge about the measures to correct the environmental impact of a project"

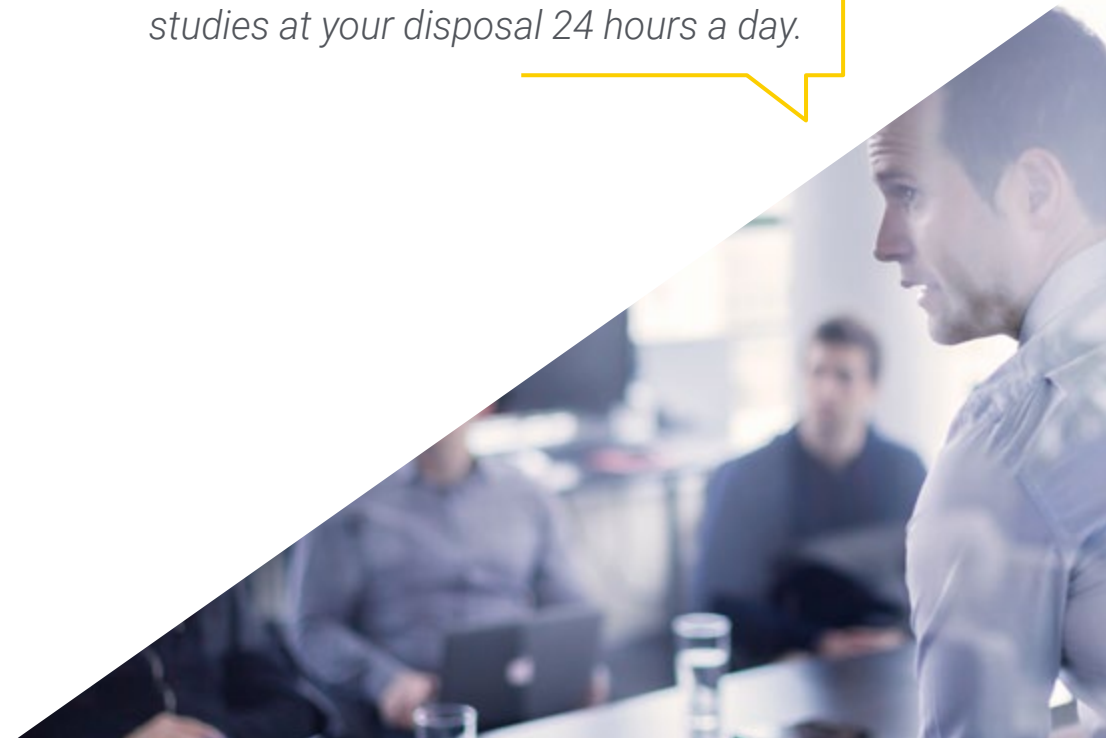
The program's teaching staff includes professionals from the sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

Its 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 an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

Get ahead as an Environmental Engineer with a Diploma that provides you with essential learning on Strategic Environmental Assessment.

You will have a resource library of video summaries, detailed videos or case studies at your disposal 24 hours a day.



02

Objectives

This Postgraduate Certificate provides the engineering professional with the technical resources and knowledge needed to implement any project or initiative, taking into account the different phases, costs, risks and actions necessary to comply with current environmental regulations. All this will be much easier thanks to the didactic materials provided by experts in this field, who will also resolve any doubts that may arise about the syllabus during the course of this degree..





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Get the learning you need to effectively develop any initiative in companies seeking to reduce their impact on the environment”



General Objectives

- ◆ Adequately use the technical vocabulary within the scientific bases of the natural environment
- ◆ Manage costs within a project
- ◆ Plan and control risks that may affect the development of a project
- ◆ Control project execution and closing





Specific Objectives

- ◆ Differentiate the phases of a project
- ◆ Study the feasibility of a project
- ◆ Draft a proposal in response to an offer
- ◆ Plan and manage deadlines, as well as organize the human resources required for a project



Enroll in a program that will allow you to learn the latest techniques used to assess how projects can affect climate change"

03

Structure and Content

In order to offer its students a quality education, TECH designs its programs based on the most relevant and current knowledge. For this reason, in this Postgraduate Certificate the professional will obtain advanced learning on Environmental Impact Assessment and Management System thanks to the content taught by specialists in the field. Thus, multimedia resources will outline the main strategies used to deal with climate change, the preventive and correct measures that are currently applied and the development of plans to provide solutions to an environment increasingly affected by the action of human beings.





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The Relearning system used by TECH allows you to reduce the long hours of study. Don't hesitate, enroll now”

Module 1. Environmental Impact Assessment and Management Systems

- 1.1. Business Strategies for Climate Change
 - 1.1.1. Greenhouse Effect and Climate Change Causes and Consequences
 - 1.1.2. Climate Change Projections
 - 1.1.3. Corporate Action against Climate Change Roadmap for the Integration of Climate Change in Companies
- 1.2. Environmental Impact Assessment. Law 21/2013
 - 1.2.1. Environmental Impact Assessment
 - 1.2.2. Administrative Procedure of the Environmental Impact Assessment
 - 1.2.3. Projects Subject to Environmental Assessment
- 1.3. Identification and Classification of Environmental Factors
 - 1.3.1. Environmental Catalog Environmental Variables
 - 1.3.2. Search for Environmental Information and Inventory
 - 1.3.3. Inventory Valuation
- 1.4. Assessment and Estimation of Environmental Impacts of a Project
 - 1.4.1. Environmental Analysis of a Project
 - 1.4.2. Pre-Operational Status
 - 1.4.3. Construction, Operation and Abandonment Phase
 - 1.4.4. Quantitative Methods
- 1.5. Preventive and Corrective Measures
 - 1.5.1. Preventative Actions
 - 1.5.2. Corrective actions
 - 1.5.3. Compensatory Actions
- 1.6. Environmental Monitoring Program
 - 1.6.1. EMP
 - 1.6.2. Objectives and Structure of an EMP
 - 1.6.3. Phases in the Development of an EMP
- 1.7. Strategic Environmental Assessment
 - 1.7.1. European Regulatory Context (Directive 2001/42/EC)
 - 1.7.2. Modalities for Integrating the Environmental Dimension
 - 1.7.3. Environmental Assessment in the Phases of the Program
- 1.8. National Climate Change Adaptation Plan
 - 1.8.1. Climate Change: Impacts and Risks
 - 1.8.2. Objectives of the National Plan for Adaptation to Climate Change 2021-2030
 - 1.8.3. Objectives by Work Areas
- 1.9. Analysis of Climate Change Risks and Opportunities
 - 1.9.1. Regulations related to Environmental Risks
 - 1.9.2. Environmental Risk Analysis and Assessment
 - 1.9.3. Risk Management
- 1.10. Development of Climate Change Adaptation Plans for Organizations
 - 1.10.1. Adaptation to Climate Change
 - 1.10.2. Climate Change Vulnerability Assessment
 - 1.10.3. Methodology for Prioritizing Climate Change Adaptation Measures



Learn through this course how to carry out an adequate analysis of environmental risks"



04

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.





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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"

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.

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



You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.



The student will learn to solve complex situations in real business environments through collaborative activities and real cases.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. 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 professional reality is taken into account.

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

The case method is the most widely used learning system in the best faculties in the world. 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 that you are presented with in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They will have to combine all their knowledge and research, and 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 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

In 2019, we obtained the best learning results of all online universities in the world.

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 university is the only one in the world authorized to employ 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.

This methodology has 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, and financial markets and 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 training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for 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.



Practising Skills and Abilities

They 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 that we are experiencing.



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 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.



05

Certificate

The Postgraduate Certificate in Environmental Impact Assessment and Management Systems guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.





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Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”

This program will allow you to obtain your **Postgraduate Certificate in Environmental Impact Assessment and Management Systems** 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 Environmental Impact Assessment and Management Systems**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

tech global
university

personalized service innovation

knowledge preservation
and Management Systems

online training

development languages

virtual classroom

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- › Modality: online
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