Postgraduate Diploma
Environmental Audit

tech global university

Postgraduate Diploma
Environmental Audit

» Modality: **online**
» Duration: **6 months**
» Certificate: **TECH Global University**
» Credits: **18 ECTS**
» Schedule: **at your own pace**
» Exams: **online**

Website: **www.techtitute.com/us/engineering/postgraduate-diploma/postgraduate-diploma-environmental-audit**

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01

Introduction

The population is aware of the impact of their habits on the environment, the footprint left by the use of vehicles, as well as the consequences of companies that do not respect the ecosystem. This is why the concepts of "green" and "sustainable" have gained ground in recent years. However, a real environmental audit of companies reveals their effectiveness in this field. In this scenario, this academic institution provides the engineering professional with the most advanced knowledge on this measuring instrument, circular economy, eco-design or the revaluation of waste and by-products For this purpose, it has a 100% online teaching format with the most up-to-date multimedia content, which you can access whenever you want, from an electronic device with an Internet connection.

With this Postgraduate Diploma you will be able to take a step forward in your professional career and become a specialist in Environmental Audit. Enroll now"

There is no doubt that society is currently undergoing significant changes in the economic and social spheres. A new way of understanding growth and development, which goes hand in hand with real respect for the environment. Faced with this scenario, companies in all sectors have adapted to generate the least possible impact on their environment and respond to a population that increasingly demands greater sustainability.

An instrument that has become a key tool and guide for companies are the Environmental Audits, which analyze, detect and are very useful to solve any problem found in this area. A highly demanded profile in this scenario is the engineering professional, whose technical knowledge, especially in the environmental field, is very useful. In this process of social and business transformation in favor of the environment, TECH has designed a Postgraduate Diploma, which aims to boost the professional career of the engineering graduate.

In this university program, students have a curriculum with a theoretical-practical approach that will lead them to delve into the sustainable economy and everything that surrounds it: the circular economy as a strategy, the efficient use of natural resources or the principles of zero waste. Likewise, during 6 months you will delve into the organization and management of projects, as well as the elaboration of an Environmental Audit, compliance with the existing standard and its benefits.

The professional is, therefore, before a complete university program that can be accessed whenever and wherever he/she wishes. Students only need an computer, *Tablet* or cell phone with an Internet connection to view the syllabus hosted on the virtual campus. In addition, you have the freedom to distribute the course load according to your needs, which makes this course ideal for people who want to combine a Postgraduate Diploma with their professional and/or work responsibilities.

This **Postgraduate Diploma in Environmental Audit** contains the most complete and up-to-date program on the market. The most important features include:

- Case studies presented by engineering experts
- 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 the self-assessment process can be carried out to improve learning
- Its special emphasis on innovative methodologies
- 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

Enroll in a university program that will allow you to learn first-hand about success stories in zero waste or eco-design"

Get into green or sustainable economics through video summaries, in-depth videos or essential readings or essential readings provided by this program"

This program will enable you to be up to date on the responsibilities in an MMS audit. Enroll now.

TECH has designed a Postgraduate Diploma for professionals who wish to combine their personal responsibilities with a quality qualification.

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.

The multimedia content, developed with the latest educational technology, will provide professionals with situated and contextual learning, i.e., a simulated environment that will provide immersive training, designed for training oneself 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 student will be assisted by an innovative interactive video system created by renowned and experienced experts.

02
Objectives

Upon completion of the 450 teaching hours of this Postgraduate Diploma, students will have acquired the necessary learning to be able to manage projects in the field of Environmental Engineering, respecting all the necessary requirements to adequately pass an audit in this field. The case studies provided by specialists in this field, as well as the multimedia resources, will be of great use and application to the engineering professional who seeks to progress in this field.

Advance your career in Engineering. Creates, manages any project in compliance with all existing regulations on environmental quality"

General Objectives

- Adequately use the technical vocabulary within the scientific bases of the natural environment
- Become proficient the regulations and legislation related to projects
- Approach the use of environmental and sustainability indicators as a tool to evaluate the state of a system
- Solve the problem posed, with or without the aid of computer programs

"In only 6 months you will be able to specialize in Environmental Audit with the most updated and innovative content in this field"

Specific Objectives

Module 1. Sustainable Economy

- Acquire basic knowledge of science and use its results, integrating them with social, economic, legal and ethical fields for the identification of environmental problems
- Understand the conceptual approaches and tools of environmental economics and ecological or sustainable economics
- Understand what is meant by sustainability and know how to apply this concept to production and consumption patterns and land use
- Understand the interrelation of the different dimensions (social, historical, technological, political, etc.) that trigger, in different times and places, distinct ways of understanding and building The Environment

Module 2. Project Organization and Management

- Identify the elements, parts and phases of an environmental project
- Elaborate project documents, as well as other complementary documentation
- Apply activity planning and scheduling techniques
- Apply technical and administrative aspects of the different phases of projects

Module 3. Environmental Audit

- Know the different tools related to Environmental Audit
- Identify the audit tools necessary for the resolution of the problems that arise
- Express in precise terms the problem to be solved
- Interpret the result of the problem from the point of view of Environmental Audit

03
Structure and Content

TECH has created a Postgraduate Diploma, which seeks to provide the professional with the most relevant, exhaustive and recent information on the most relevant, exhaustive and recent information on Environmental Audit. For this purpose, it provides students with innovative and attractive content that will lead them to delve deeper into sustainable economy, project organization and management, as well as the characteristics and elements that make up an audit. Likewise, the Relearning system, used by this academic institution, will reduce the long hours of study so frequent in other methodologies.

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The Relearning system, based on content repetition, will allow you to reduce the long hours of study. Enroll now"

Module 1. Sustainable Economy

1.1. Aspects and Characteristics of Circular Economy
    1.1.1. Origin of Circular Economy
    1.1.2. Principles of Circular Economy
    1.1.3. Key Features

1.2. Adaptation to Climate Change
    1.2.1. Circular Economy as a Strategy
    1.2.2. Economic Advantages
    1.2.3. Social Benefits
    1.2.4. Business Benefits
    1.2.5. Environmental Benefits

1.3. Efficient and Sustainable Water Use
    1.3.1. Rainwater
    1.3.2. Gray Water
    1.3.3. Irrigation Water: Agriculture and Gardening
    1.3.4. Process Water: Agri-food Industry

1.4. Revaluation of Wastes and By-Products
    1.4.1. Waste Water Footprint
    1.4.2. From Waste to By-Product
    1.4.3. Classification According to Production Sector
    1.4.4. Revaluation Undertakings

1.5. Life Cycle Analysis
    1.5.1. Life Cycle Assessment (LCA)
    1.5.2. Stages
    1.5.3. Reference Standards
    1.5.4. Methodology
    1.5.5. Data Science

1.6. Ecodesign
    1.6.1. Ecodesign Principles and Criteria
    1.6.2. Characteristics of the Products
    1.6.3. Ecodesign Methodologies
    1.6.4. Ecodesign Tools
    1.6.5. Success Stories

1.7. Zero Discharge
    1.7.1. Principles of Zero Discharge
    1.7.2. Benefits
    1.7.3. Systems and Processes
    1.7.4. Success Stories

1.8. Green Public Procurement
    1.8.1. Legislation
    1.8.2. Green Procurement Manual
    1.8.3. Guidelines for Public Procurement
    1.8.4. Public Procurement Plan 2018-2025

1.9. Innovative Public Procurement
    1.9.1. Types of Innovative Public Procurement
    1.9.2. Contracting Process
    1.9.3. Sheet Design

1.10. Environmental Accounting
    1.10.1. Best Available Environmental Technologies (BAT)
    1.10.2. Ecotaxes
    1.10.3. Ecological Account
    1.10.4. Environmental Cost

Module 2. Project Organization and Management

2.1. Classical Project Theory
- 2.1.1. Traditional Concept of Project
- 2.1.2. The Preliminary Project
- 2.1.3. The Project
- 2.1.4. Project Documentation
- 2.1.5. Entities Involved in the Project
- 2.1.6. Types of Projects

2.2. Modern Project Management
- 2.2.1. General concepts
- 2.2.2. Multidimensional Approach
- 2.2.3. Project Phases and Milestones
- 2.2.4. Process Model

2.3. Initial Project Phases
- 2.3.1. Detection of Opportunities
- 2.3.2. Project Selection Criteria
- 2.3.3. Preparation and Submission of Bids
- 2.3.4. Feasibility Studies
- 2.3.5. Cost Estimation
- 2.3.6. Disaggregated Project Structure
- 2.3.7. Project Technology
- 2.3.8. Definition and Objectives (scope): Project Plan

2.4. Human Resources in the Project
- 2.4.1. Organization of the Project in the Company
- 2.4.2. Project Manager and ProjectTeam
- 2.4.3. Motivation: Time Management, Meetings
- 2.4.4. Consulting and Engineering Companies

2.5. Time, Cost and Resource Planning
- 2.5.1. Elements of Scheduling and Planning
- 2.5.2. PMBOK Schedule Management
- 2.5.3. Cost Management PMBOK
- 2.5.4. Scheduling Tools (Gantt, CPM, PERT)
- 2.5.5. Resource Optimization
- 2.5.6. Use of the computer application *Project* Libre

2.6. The Contracting and Procurement Process
- 2.6.1. Contract Management
- 2.6.2. Contract Specifications
- 2.6.3. Legal Clauses
- 2.6.4. Change and Revision Mechanisms
- 2.6.5. Procurement Management (PMBOK)
- 2.6.6. The Purchasing Cycle
- 2.6.7. The Public Administration Contracts Law BORRAR

2.7. Project Quality Management
- 2.7.1. Introduction to Quality
- 2.7.2. Regulations Related to Quality
- 2.7.3. Quality System in the Company
- 2.7.4. Quality in Project Management

2.8. Project Risk Management
- 2.8.1. Introduction to Risk Management
- 2.8.2. Risk Management Models
- 2.8.3. Risk Management Processes

2.9. Project Communications Management
- 2.9.1. Introduction to Communications Management(PMBOK)
- 2.9.2. Communications Management
  - 2.9.2.1. Identify Stakeholders
  - 2.9.2.2. Planning Communication
  - 2.9.2.3. Planning Communication
  - 2.9.2.4. Information Distribution
  - 2.9.2.5. Stakeholder Expectation Management
  - 2.9.2.6. Performance Reporting

2.10. Control of the Execution and Closure of the Project
- 2.10.1. Project Administration and ControlProject Administration. and Control
- 2.10.2. Integrated Control of Deadlines and Costs (Earned Value Method)
- 2.10.3. Project Closing

Module 3. Environmental Audit

This 100% online university program will allow you to specialize in ISO 14001 and implement truly effective environmental audits"

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.

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.

"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.

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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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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:
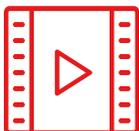
Study Material

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.

30%

10%

8%

20%

25%

4%

3%
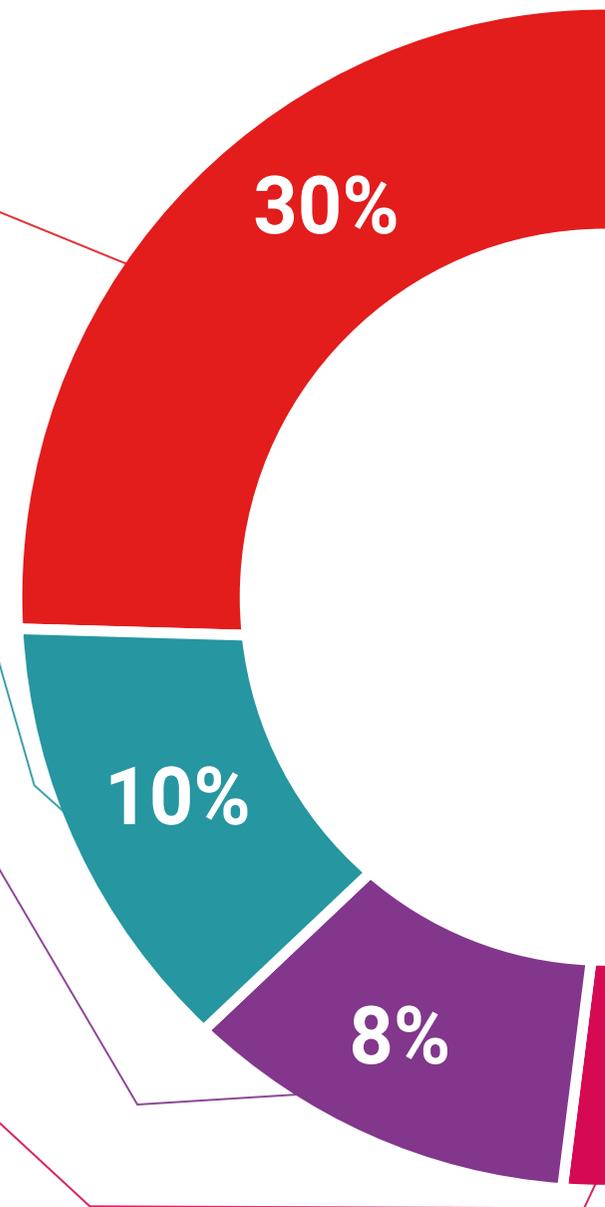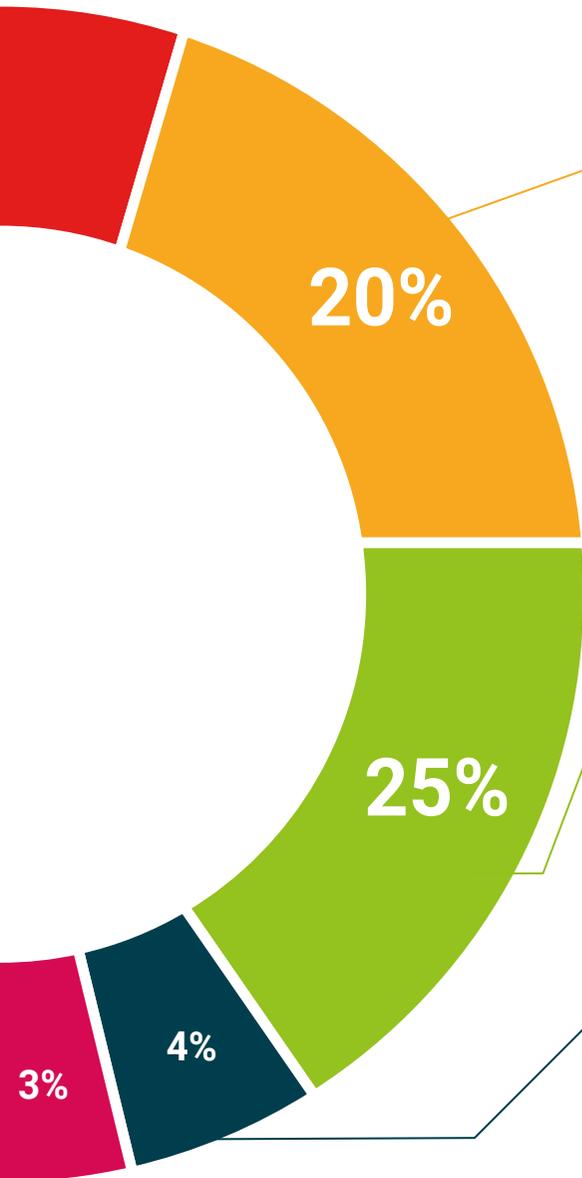
Case Studies

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.

Certificate

The Postgraduate Diploma in Environmental Audit guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Global University.

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 Diploma in Environmental Audit** 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 Diploma in Environmental Audit**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**

tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Diploma in Environmental Audit

This is a program of 450 hours of duration equivalent to 18 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Rector

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 Global University will make the necessary arrangements to obtain it, at an additional cost.

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