

# EUROPASS DIPLOMA SUPPLEMENT

## TITLE OF THE DIPLOMA (ES)

*Técnico Superior en Educación y Control Ambiental*

## TRANSLATED TITLE OF THE DIPLOMA (EN)<sup>(1)</sup>

*Higher Technician in Environmental Education and Control*

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(1) This translation has no legal status

## DIPLOMA DESCRIPTION

### **The holder of this diploma will have acquired the general competence with regard to:**

Raising awareness and educating throughout the population by fostering attitudes which contribute to the preservation and improvement of the environment, informing about its values and the diverse environmental problems, empowering people to make the right decisions, designing activities for their knowledge and used based on sustainable principles, as well as carrying out environmental management actions in order to control and preserve the environment applying the regulations in force.

**Within this framework, the PROFESSIONAL MODULES and their respective LEARNING OUTCOMES acquired by the holder are listed below.**

### **“Environmental Structure and Dynamics”**

The holder:

- Classifies the fundamental principles of ecology, identifying the main laws underpinning them.
- Characterises human activities that have an influence on environment, relating them to sustainability and environmental balance criteria.
- Interprets the factors that have an influence on the functioning of terrestrial, aerial and aquatic ecosystems, relating them to the development of geological, meteorological and hydrological processes.
- Characterises abiotic elements which make up the environment, relating their importance to the behaviour of the organisms.
- Characterises the relationships between organisms from the same species and between those from different species, assessing the effects of biotic elements.
- Identifies the influence of anthropic factors in the environment, analysing their value in order to maintaining the biodiversity.

### **“Natural Environment”**

The holder:

- Characterises the main habitats in Spain, assessing their biodiversity.
- Classifies the main animal and plant species from natural and urban environment, interpreting taxonomic terminology.
- Recognises the main hunting and fishing species from Spain, determining their distribution and health status.
- Characterises the main traces, footmarks and signals of wildlife, interpreting their behaviour patterns.
- Performs control and monitoring operations of wild fauna and flora, describing the required means and methods to ensure their preservation.
- Applies basic legislation on biodiversity and preservation of natural areas, interpreting the existing legislation.

### **“Human Activities and Environmental Concerns”**

The holder:

- Classifies human activities according to the alterations made in the natural environment, assessing their impact.
- Characterises environmental regulations, identifying the limits of their application.
- Suggests sustainable alternatives to environmental concerns, analysing the basic elements of these concerns.
- Defines environmental management proposals, interpreting good practices used in the environment.
- Cooperates on environmental impact studies, analysing the regulation.

### **“Environmental Management”**

The holder:

- Designs the verification process regarding the compliance with the established legal limits on the emission of atmospheric pollutants, analysing and assessing samples from their sources.
- Designs the verification process regarding the compliance of the established legal limits on noise and vibration emissions, interpreting maps of the situation.
- Designs the verification process of the compliance with of the waste treatment and disposal according to the regulations, following the management process.
- Designs the verification process regarding the compliance of the established legal limits on the discharge of waste waters, examining their sources.
- Designs the verification process of the compliance with the established legal limits on soil pollutants, examining their sources.
- Designs the verification process regarding consumption reduction in the processes of goods production and provision of services, identifying raw materials and the natural resources used.
- Categorises the environmental aspects of the production of goods or the provision of services, assessing their relevance.
- Prepares documentation in order to set up an Environmental Management System (EMS), analysing its requisites.

### **"Mapping Methods and Products"**

The holder:

- Selects mapping information sources, analysing the characteristics of the tasks to be performed.
- Prepares mapping documentation, using geographic information systems.
- Represents itineraries and routes, analysing the activities proposed and the applicable regulations.
- Plans adaptations for the itineraries and routes of the proposed activity, analysing the conditions of the users.
- Characterises bearings methods, relating mapping documentation to the working environment.

### **"Environmental Education Techniques"**

The holder:

- Characterises the environmental education techniques, relating their application to the acquisition of values.
- Gathers environmental documentation selecting the information resources and forms.
- Prepares resources and materials for environmental information and dissemination, analysing the goals and the characteristics of the target group.
- Informs on the environment, fostering the sustainable use of natural resources and selecting the appropriate techniques and materials.
- Characterises the environmental interpreting procedures, using the surrounding resources and infrastructures of the place visited.

### **"Environmental Education Programmes"**

The holder:

- Designs environmental education programmes, relating them to the set goals.
- Prepares intervention activities for environmental education, analysing the characteristics of the target groups and the context of the action.
- Organises the development sequence of the foreseen actions comprised in the environmental education programme, analysing the subject addressed and the characteristics of the target group.
- Implements activities in order to develop environmental education programmes in the public and private sectors, relating sustainable approaches to the environment.
- Evaluates intervention processes implemented in different environmental education frameworks for action, relating relevant variables and evaluation tools to the results obtained.

### **"Public Use Activities"**

The holder:

- Designs public use activities, analysing the particular characteristics of the natural environment and its intended use.
- Determines the building elements and techniques for preparation and fitting-out of works in the natural environment, describing those which are more in line with the environment and have a lower impact on landscape.
- Interprets the most significant aspects of natural areas or itineraries and the mechanisms of deterioration, selecting the most appropriate techniques.
- Performs surveillance activities in natural areas, identifying the most appropriate areas for controlling visitors and intruders.
- Defines pollution impact and consequences on the natural environment, analysing the operations related to waste and dumping.
- Informs on the limits of the public domain and the state of the heritage located in the natural environment, analysing their characteristics and use.

### **"Development in the Environment"**

The holder:

- Prepares the guidance for the groups of users, relating their characteristics to the conditions of the environment, the established programme and the resources available.
- Applies intervention techniques in case of contingencies, selecting safety rules.
- Determines intervention protocols in case of emergency, interpreting the first assessment of the casualty.
- Applies basic casualty assistance techniques, following the established first aid protocols.

### **"Social Skills"**

The holder:

- Implements strategies and techniques to encourage communication and social relationships with the environment, relating them to the principles of social and emotional intelligence.
- Invigorates teamwork, applying the appropriate techniques and justifying their selection according to the characteristics, status and goals of the group.
- Leads meetings, analysing the different speech and organisation types or styles depending on the characteristics of the recipients and the context
- Implements conflict management and problem solving strategies, selecting them according to the characteristics of the context and analysing the different models.
- Assesses the processes of the group and his/her own social skills to develop his/her professional tasks, identifying that could be further improved.

### **"Project on Environmental Education and Control"**

The holder:

- Identifies the needs of the production sector, relating them to the related projects that may satisfy them.
- Designs projects related to the competences described in the diploma, including the development of their constituting stages.
- Plans the implementation of the project, determining the intervention plan and the attached documentation.
- Defines the procedures for monitoring and control the implementation of the project, justifying the selection of the variables and tools used.

### **"Professional Training and Guidance"**

The holder:

- Selects job opportunities, identifying the different possibilities of labour integration, and the alternatives of lifelong learning.
- Applies teamwork strategies, assessing their effectiveness and efficiency on the achievement of the company's goals.
- Exercises rights and complies with the duties derived from labour relationships, recognising them in the different job contracts.
- Determines the protective action of the Spanish Health Service in view of the different covered eventualities, identifying the different types of assistance.
- Assesses the risks derived from his/her activity, analysing the job conditions and risk factors present in his/her labour setting.
- Participates in the development of a risk prevention plan for a small enterprise, identifying the responsibilities of all the agents involved.
- Applies protection and prevention measures, analysing the risk situations in the labour setting of the Higher Technician in Environmental Education and Control.

### **"Business and Entrepreneurial Initiative":**

The holder:

- Recognises the skills related to entrepreneurial initiative, analysing the requirements derived from job positions and business activities.
- Defines the opportunity of creating a small enterprise, assessing the impact on the sphere of action and incorporating ethic values.
- Carries out the activities for the setting-up and the implementation of a company, choosing its legal structure and identifying the associated legal obligations.
- Carries out basic administrative and financial management activities of an SME, identifying the main accounting and tax obligations and filling in documentation.

### **"On the Job Training":**

The holder:

- Identifies the company's structure and organization relating it to the type of service provided.

- Applies labour and ethic habits in his/her professional activity according to the characteristics of the job position and the procedures established by the company. Performs environmental information activities, according to set procedures and cooperating with the team responsible for them.
- Performs environmental education activities according to the instructions from set programmes.
- Designs itineraries and routes according to set rules and instructions.
- Prepares and performs public use and interpreting and guiding activities in rural environments and natural areas, according to set instructions.
- Cooperates with the implementation, development and maintenance of environmental management systems in companies or bodies.

### **RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE DIPLOMA**

The Higher Technician in Environmental Education and Control works in any public or private organisation whose goals are monitoring the environment and its resources, developing environmental education programmes (information, communication, training, interpretation and environmental participation), performing guiding and interpreting and accompanying activities, or managing the environment.

The most relevant occupations or jobs are the following:

- Environmental educator.
- Environmental reporter
- Environmental education instructor
- Environmental documentalist
- Environmental guide
- Environmental activities scheduler
- Environmental campaigns instructor
- Natural heritage interpreter and guide
- Professional providing environmental management services
- Professional providing environmental services.
- Technician in monitoring natural areas
- Environmental instructor.
- Environmental agent or similar position.
- Instructor at environmental facilities

### **AWARD, ACCREDITATION AND LEVEL OF THE DIPLOMA**

**Name of the body awarding the diploma on behalf of the King of Spain:** Spanish Ministry of Education or the different Autonomous Communities according to their areas of competence. The title has academic and professional validity throughout Spain

**Official duration of the education/ training leading to the diploma:** 2000 hours.

**Level of the diploma (national or international)**

- NATIONAL: Non-University Higher Education
- INTERNATIONAL:
  - Level 5b of the International Standard Classification of Education (ISCED5b)
  - Level 5 of the European Qualifications Framework (EQF5).

**Entry requirements:** Holding the Certificate in Post-Compulsory Secondary Education (Bachillerato) or holding the corresponding access test.

**Access to next level of education/training:** This diploma provides access to University studies.

**Legal basis:** Basic regulation according to which the diploma is established:

- Minimum teaching requirements established by the State: Royal Decree 384/2011, of 18 March, according to which the diploma of Higher Technician in Environmental Education and Control and its corresponding minimum teaching requirements are established.

**Explanatory note:** This document is designed to provide additional information about the specified diploma and does not have any legal status in itself.

### COURSE STRUCTURE OF THE OFFICIALLY RECOGNISED DIPLOMA

PROFESSIONAL MODULES IN THE DIPLOMA ROYAL DECREE	CREDITS ECTS
<b>Environmental Structure and Dynamics</b>	10
<b>Natural Environment</b>	12
<b>Human Activities and Environmental Concerns</b>	8
<b>Environmental Management</b>	12
<b>Mapping Methods and Products</b>	5
<b>Environmental Education Techniques</b>	6
<b>Environmental Education Programmes</b>	12
<b>Public Use Activities</b>	9
<b>Development in the Environment</b>	4
<b>Social Skills</b>	6
<b>Project on Environmental Education and Control</b>	5
<b>Professional Training and Guidance</b>	5
<b>Business and Entrepreneurial Initiative</b>	4
<b>On the Job Training</b>	22
	TOTAL CREDITS
	<b>120</b>
OFFICIAL DURATION (HOURS)	<b>2000</b>

\* The minimum teaching requirements shown in the table above comprise 55% official credit points valid throughout Spain. The remaining 45% corresponds to each Autonomous Community and can be described in the **Annex I** of this supplement.

## INFORMATION ON THE EDUCATION SYSTEM

