Postgraduate Certificate
Invasive Alien Species Management

tech technological university

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Invasive Alien Species Management

- » Modality: **online**
- » Duration: **6 weeks**
- » Certificate: **TECH Technological University**
- » Dedication: **16h/week**
- » Schedule: **at your own pace**
- » Exams: **online**

Website: **www.techtitute.com/in/veterinary-medicine/postgraduate-certificate/invasive-alien-species-management**

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01
Introduction

Biodiversity conservation seems to be a distant and ethereal concept at times, however, it is intimately linked to the most basic needs of humanity. It should not be forgotten that the environment offers many functional benefits, from water regulation, through CO_2 regulation, to nutrient cycle intervention. With this Postgraduate Certificate, students will learn the latest techniques in invasive alien species management from professionals with extensive experience in the sector.

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Do not miss the opportunity to study this Postgraduate Certificate in Invasive Alien Species Management at TECH. It's the perfect opportunity to stand out and advance your career"

Unlike other programs, the Postgraduate Certificate in Invasive Alien Species Management approaches wildlife management from an interdisciplinary point of view.

Wildlife management covers a wide spectrum of lines of research and action, in addition to the study of health surveillance and disease control, which is usually the general line of study in similar programs. However, in the future, veterinary professionals will have to face other lines of work in biodiversity conservation, which are also extensively developed throughout the syllabus.

Nowadays, it is difficult to find a program like this one, which provides students with specialized training in the use of the most common software in daily practice. Today there are many computer tools available that are considered necessary and that facilitate and increase the level of quality of work.

Species biology is not only based on theoretical knowledge, but also on spatial and geolocalized data. The only way to understand and visualize how species are distributed is by using Geographic Information Systems to represent and model the data.

This complete program is designed by professors with the highest recognized degree of specialization, thus guaranteeing its quality in all aspects in wildlife, both clinical and scientific. A unique opportunity to specialize in an area where professional positions are in high demand, from the hands of outstanding professionals.

This **Postgraduate Certificate in Invasive Alien Species Management** contains the most complete and up-to-date scientific program on the market. The most important features include:

» Case studies presented by experts in Wildlife

» The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional development

» New developments in Wildlife Management

» Practical exercises where self-assessment can be used to improve learning

» Special emphasis on innovative methodologies in Wildlife Management

» Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments

» Content that is accessible from any fixed or portable device with an Internet connection

Train at TECH and learn the concepts associated with wildlife populations and the processes and interactions that take place"

This program comes with the best educational material, providing you with a contextual approach that will facilitate your learning.

This 100% online Postgraduate Certificate will allow you to combine your studies with your professional work while increasing your knowledge in this field.

"This Postgraduate Certificate is the best investment you can make when selecting a refresher program in Invasive Alien Species Management"

It includes, in its Teaching staff, Professionals belonging to the veterinary field, who pour into this training the experience of their work, in addition to recognized Specialists from Reference Societies and Prestigious Universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive specialization programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the specialist must try to solve the different professional practice situations that arise throughout the program. For this, the professional will have the help of an innovative, interactive video system made by recognized and experienced experts in Wildlife.

02
Objectives

The Postgraduate Certificate in Invasive Alien Species Management is designed to facilitate the performance of veterinary professionals with the latest advances and most innovative strategies to in the sector.

You will learn to analyze one of the main threats to biodiversity loss, i.e., invasive alien species, establishing the main lines of action to manage them"

General Objectives

» Discuss the international regulatory framework of Wildlife Management

» Examine the main legal implementation tools in biodiversity conservation at the European level

» Discuss the tools used in the three main areas of biodiversity conservation: sites, species and environmental conservation

» Establish management mechanisms in line with the regulations discussed

» Discuss the international regulatory framework of Wildlife Management

» Examine the main implementation tools in biodiversity conservation

» Discuss the tools used in the three main areas of biodiversity conservation: sites, species and environmental conservation

» Establish management mechanisms in line with the regulations discussed

Seize the opportunity and take the step to get up to speed with the latest developments in Invasive Alien Species Management"

Specific Objectives

» Develop the main lines of action at the international level in biodiversity conservation

» Analyze the objectives of the Convention on International Trade in Endangered Species of Wild Fauna and Flora and its strategy

» Develop the Convention on Biological Diversity as a basic international reference on biodiversity concerns

» Establish the Ramsar Convention as a basic tool in the conservation and wise use of wetlands and their resources

» Analyze the main European directives in the field of biodiversity conservation

» BORRAR

» Understand the threats and factors that lead to the loss of natural resources and the extinction of species

» Define the main strategies used in endangered species conservation

» Compile actions to be carried out on habitats and on each of the links in the chain from diet onwards, framed within on-site management frameworks

» Develop captive breeding and reintroductions as two of the main off-site management mechanisms

» Define the overlap between forest management and species conservation

» Analyze the problem of invasive alien species and define the main lines of action in this area

» BORRAR

03
Course Management

The program's teaching staff includes leading experts in Invasive Alien Species Management, who bring their work experience to this training program. Professionals of recognized prestige have joined forces to offer students this high-level program.

"Our expert team of professors in Wildlife will help you achieve professional success"

Management

Mr. Matellanes Ferreras, Roberto

- Degree in Environmental Sciences, Rey Juan Carlos University
- Master's Degree in Training Management Management and development of training plans, European University, Madrid
- Master's Degree in Big Data and Business Intelligence, Rey Juan Carlos University
- Course on Pedagogical Aptitude in Natural Sciences, Complutense University, Madrid
- Unmanned Aerial Vehicle Pilot, State Agency of Aviation Safety (AESA)
- Technician in Management of Protected Natural Spaces, Official College of Forestry Technical Engineers
- Technician in Environmental Impact Assessment, Polytechnic University, Madrid
- Professor of Geographic Information Systems applied to the conservation of species and protected natural areas
- Conservation and national biodiversity management projects linked to species and protected natural areas
- Management, documentation and monitoring of species distribution inventories
- Territorial analyses for the reintroduction of protected species
- Analysis of the conservation status of species linked to the Natura 2000 Network for European sexennial reports (Directive 92/43/EEC and Directive 79/409/EEC)
- Inventory management of national and international wetland natural areas

Ms. Pérez Fernández, Marisa

- Forestry Polytechnic University of Madrid
- Master's Degree in Integrated Quality, Environmental and Occupational Health and Safety Management Systems, OHSAS
- San Pablo CEU University
- 3rd Year, Degree in Mechanical Industrial Engineering UNED
- Teaching Experience: Forest management for biodiversity conservation, natural inventories, integrated management of the natural environment, sustainable game management Technical bases and Technical Hunting Plans
- Senior Technician in Environmental Assessment, Engineering and Environmental Quality Management TRAGSATEC
- Technical Assistant TECUM Project (Tackling Environmental Crimes through standardized Methodologies) B&S Europe
- Field instructor on the Forest Arsonist Profiling project Environmental and Urban Planning Prosecutor's Office General Prosecutor's Office of the State
- Environmental Technician SEPRONA Spanish Civil Guard Headquarters
- Environmental Work Management of the Fraga-Mequinenza Gas Pipeline ENDESA Gas Transporter IIMA CONSULTING FIRM

04
Structure and Content

The content has been structured and designed by leading professionals in Invasive Alien Species Management, who have extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed, studied, and diagnosed, and who have extensive knowledge of new technologies applied to veterinary medicine.
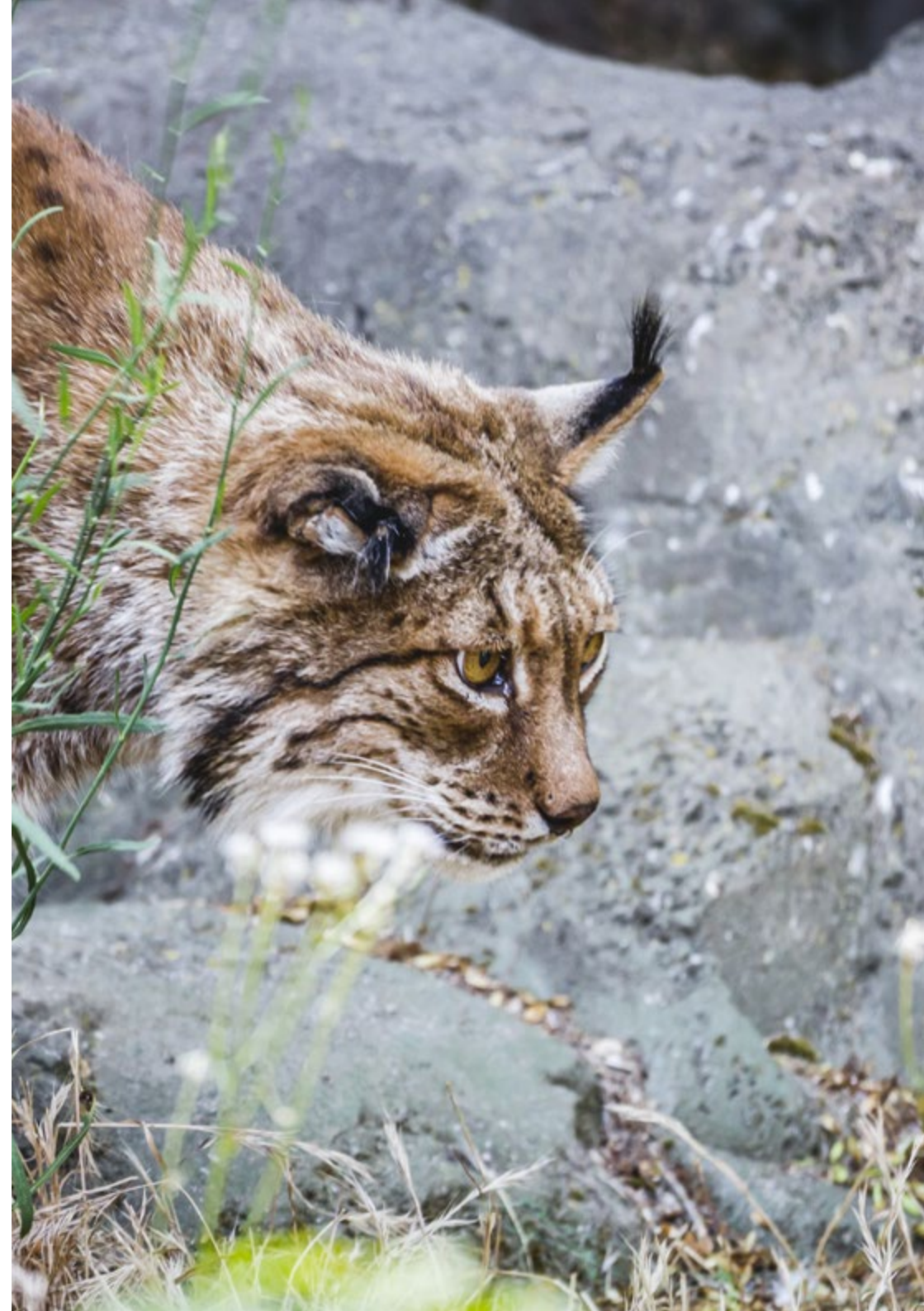
"We have the most complete and up-to-date academic program in the market. We strive for excellence and for you to achieve it too"

Module 1. Regulatory Bases in Species Conservation

1.1. Convention on Biological Diversity
    1.1.1. Mission and Objectives
    1.1.2. Strategic Plan for Biological Diversity
1.2. Convention on International Trade in Endangered Species of Wild Fauna and Flora
    1.2.1. Structure and Objectives
    1.2.2. Appendices I, II and III
1.3. Ramsar Convention
    1.3.1. Structure and Objectives
    1.3.2. Designation of Ramsar Sites
1.4. Other International Conventions
    1.4.1. United Nations Convention to Fight Desertification
    1.4.2. Bonn Convention on the Conservation of Migratory Species
    1.4.3. OSPAR Convention
1.5. Berna Convention
    1.5.1. Structure and Objectives
1.6. BORRAR
    1.6.1. BORRAR
    1.6.2. Mission and Objectives
    1.6.3. BORRAR
1.7. BORRAR
    1.7.1. BORRAR
    1.7.2. Mission and Objectives
1.8. BORRAR
    1.8.1. BORRAR
        1.8.1.1. BORRAR
        1.8.1.2. BORRAR
1.9. BORRAR
    1.9.1. BORRAR
    1.9.2. BORRAR
1.10. South America: National Strategies for Biodiversity
    1.10.1. Mission and Objectives
    1.10.2. Main Lines of Action

Module 2. Wildlife Management

2.1.   Management of Protected Natural Areas
2.1.1.   Introduction
2.1.2.   BORRAR
2.1.3.   Restrictions

2.2.   Management of Endangered Species Conservation
2.2.1.   Action Plans
2.2.2.   Recovery Plans

2.3.   Natura 2000 Management
2.3.1.   BORRAR
2.3.2.   Indicators
2.3.3.   Actions

2.4.   Forest Management
2.4.1.   Forest Planning
2.4.2.   Management Projects
2.4.3.   Main Overlap between Forestry Management and Species Conservation

2.5.   On-Site Management
2.5.1.   Actions on the Habitat
2.5.2.   Actions on Prey and Predators
2.5.3.   Actions on Diet

2.6.   Off-Site Management
2.6.1.   Captive Breeding
2.6.2.   Reintroductions
2.6.3.   Translocations
2.6.4.   Recovery Centers

2.7.   Invasive Alien Species (IAS) Management
2.7.1.   Strategies and Plans

2.8.   Management Tools: Access to Information
2.8.1.   Data Sources

2.9.   Management Tools: Strategies
2.9.1.   Main Lines
2.9.2.   Strategies against the Main Threats

2.10.   BORRAR
2.10.1.   BORRAR
2.10.2.   BORRAR

This program will allow you to advance in your career comfortably"

05
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"*

At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.

According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, in an attempt to recreate the actual conditions in a veterinarian's professional practice.

"Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method"

The effectiveness of the method is justified by four fundamental achievements:

1. Veterinarians who follow this method not only manage to assimilate concepts, but also develop their mental capacity through exercises to evaluate real situations and knowledge application

2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.

3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.

4. The feeling that the effort invested is effective becomes a very important motivation for veterinarians, which translates into a greater interest in learning and an increase in the time dedicated to working on the course.

Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

Veterinarians will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.

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)

At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology more than 65,000 veterinarians have been trained with unprecedented success in all clinical specialties, regardless of the surgical load. Our teaching method is developed in a highly demanding environment, where the students have a high 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.

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.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.

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.

Latest Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current and procedures of veterinary techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.
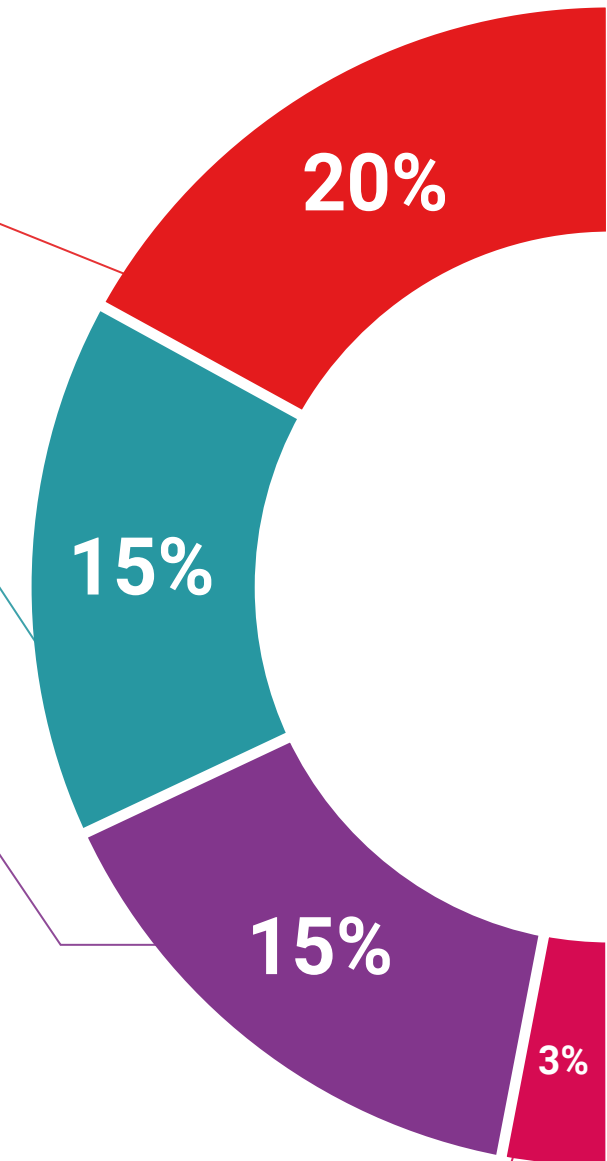
Interactive Summaries

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.
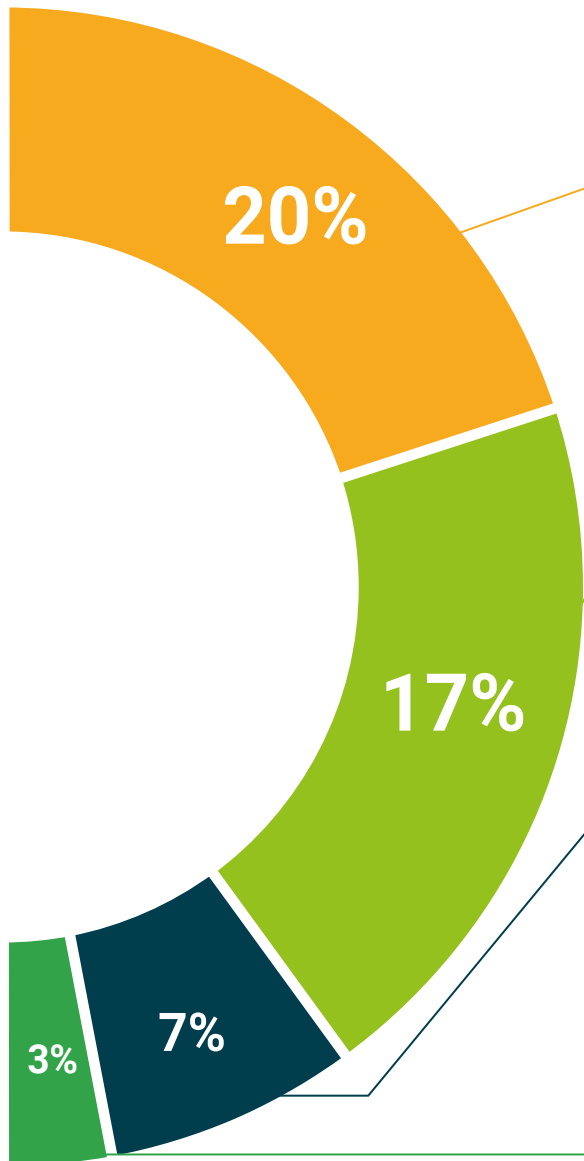
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

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.

20%

15%

15%

3%

20%

17%

7%

3%

Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.

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.

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.

Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.

Certificate

The Postgraduate Certificate in Invasive Alien Species Management guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.

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

This **Postgraduate Certificate in Invasive Alien Species Management** contains the most complete and up-to-date scientific program on the market.

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

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

Title: **Postgraduate Certificate in Invasive Alien Species Management**
Official Number of Hours: **300 h.**

tech technological university

Awards the following
CERTIFICATE
to
Mr./Ms. _____, with identification number _____.
For having passed and accredited the following program

POSTGRADUATE CERTIFICATE
in

Invasive Alien Species Management

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

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

June 17, 2020

Tere Guevara Navarro
Dean

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

Unique TECH Code: AFWORD23S   techtitute.com/certificates

*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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