

Postgraduate Certificate Bird Expert





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Course Modality: **Online**

Duration: **3 months.**

Certificate: **TECH - Technological University**

12 ECTS Credits

Teaching Hours: **300 hours.**

Website: www.techtute.com/us/veterinary-medicine/postgraduate-certificate-bird-expert

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01

Introduction

Veterinarians working with birds must be especially careful with them, since most of them are animals that are not used to physical contact with humans. This makes it necessary for professionals to have specific guidelines for its correct management and treatment. Don't miss the opportunity to train with the best thanks to this 100% online program.





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Get trained with us and learn how to diagnose bird diseases thanks to this high level Postgraduate Certificate”

The veterinary professional must face in their daily practice the care and handling of birds. These animals have their own particularities and, as is normal, they are not animals that are used to being in contact with people, so they must be treated with the necessary care to avoid problems in their handling.

In addition, when treating an avian patient, it is necessary for the professional to take into account its origin, in order to know if it is a possible transmitter of diseases, as well as to evaluate its possible reinsertion into the natural environment, in case it is a wild bird.

It is necessary to act with a simple care protocol that allows the veterinary professional to address the most common emergencies that may occur in the office and ensure their proper recovery with knowledge of supportive therapy applied to the avian patient.

As it is an online Postgraduate Certificate, the student is not bound by fixed schedules or the need to move to another physical location, rather, they can access the content at any time of the day, balancing their professional or personal life with their academic life.

Don't hesitate any longer and join the world's leading private Spanish-speaking online university, where we offer you the best of specialization program accompanied by the best teaching methodology in the educational panorama, which will help you acquire the necessary knowledge in an agile and simple way.

This **Postgraduate Certificate in Bird Expert** is the most comprehensive and up-to-date educational program on the market. The most important features of the programme are:

- ♦ Practical cases presented by bird experts.
- ♦ The graphic, schematic, and eminently practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice.
- ♦ The latest news on the diagnosis and treatment of diseases in birds
- ♦ Practical exercises where self-assessment can be used to improve learning.
- ♦ A special emphasis on innovative methodologies in the field of the diagnosis and treatment of diseases in birds
- ♦ 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



Do not miss the opportunity to take with us this Postgraduate Certificate with which you will be able to specialize in the particularities of birds. It's the perfect opportunity to advance your career".

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This Postgraduate Certificate's is the best investment you can make when choosing a refresher programme to expand your existing knowledge in everything related to Birds”

Its teaching staff includes professionals from the veterinary field, who bring the experience of their work to this training, as well as recognised specialists from leading 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 an immersive training program designed to train 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 during the academic year. For this purpose, the professional will be assisted by an innovative Interactive video system, developed by renowned and experienced bird experts.

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

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



02 Objectives

The Postgraduate Certificate in Bird Expert is oriented to facilitate the performance of the veterinary professional with the latest advances and most innovative treatments in the sector.





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Our main objective is to offer you quality renovation that allows you to keep up to date with the main advances in the field"



General Objectives

- ♦ Examine the symptoms that a bird has when sick
- ♦ Explain the principles of the use of radiology in poultry and present the most commonly used images
- ♦ Explore ultrasound scanning in birds, a forgotten diagnostic technique
- ♦ Develop the basic principles of endoscopy in birds
- ♦ Examine the different anatomical and physiological aspects of birds in order to apply them to the most effective treatments
- ♦ Develop specialized knowledge in the treatment of emergencies in situations of hemorrhage, bone fractures and their treatment in emergency conditions.
- ♦ Establish anesthetic emergency protocols as with any animal that is anesthetized
- ♦ Reach the protocol of state of shock, which is very difficult to determine in avian patients. Clinical signs may include weakness, mucosal paleness and poor peripheral perfusion



Join one of the largest online universities in the world"





Specific Objectives

Module 1: Relevant Aspects of Birds

- ◆ Develop specialized knowledge about the different bird species
- ◆ Examine the anatomical differences in order to be able to detect them in the daily consultation
- ◆ Design appropriate facilities in each situation and for each species, understanding the key factors for each of them
- ◆ Set a basic list of nutrients for birds
- ◆ Develop the nutritional requirements for Psittacidae, the most frequent exotic birds in practice.
- ◆ Perform mathematical energy calculations depending on the needs according to the established classifications
- ◆ Determine the feeding of other bird species that are less frequent but also come to the daily practice

Module 2: Diagnostic Criteria and Treatments in Birds

- ◆ Perform management techniques and preventive medicine in avian patients
- ◆ Establish the proper sampling and routes of drug administration, understanding their anatomical differences with the rest of the species
- ◆ Master the techniques of radiology, ultrasound and endoscopy as vital diagnostic imaging tools in avian patients
- ◆ Detect the most common dermal pathologies, such as acariasis, follicular cysts, itching and cutaneous lipomas
- ◆ Classify diseases caused by viruses, as well as important traumatologic pathologies
- ◆ Analyze the most frequent emergencies
- ◆ Establish the appropriate treatment for each of them and understand the most common treatments

03

Course Management

The program's teaching staff includes leading experts in Exotic Animal Medicine and Surgery who contribute their vast work experience to this training program. Professionals of recognized prestige have joined forces to offer you this high-level specialization.





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Our teaching team, will help you achieve success in your profession. Think no more and study with the best”

Management



Dr. Trigo García, María Soledad

- ♦ Veterinarian in charge of the Internal Medicine and Exotic Animal Surgery Service at the Clinical Veterinary Hospital of the Alfonso X El Sabio University in Madrid
- ♦ Degree in Veterinary Medicine from the Alfonso X el Sabio University (2012)
- ♦ Postgraduate degree in General Practitioner Certificate Programme in Exotic Animals, Improve International
- ♦ Postgraduate degree in Food Safety from the Complutense University of Madrid
- ♦ Veterinary consultant at the José Peña Wildlife Center, and various veterinary clinics in Madrid
- ♦ Director of the Exotic Animal Service at the Prada BOADILLA veterinarian center



Professors

D. Ouro Núñez, Carlos

- ◆ Degree in Veterinary from the University of Santiago de Compostela (2007) Member of the G.M.C.A.E. (Group of Exotic Animal Medicine and Surgery) of A.V.E.P.A. (Association of Spanish Small Animal Veterinarians)
- ◆ Member of the A.A.V. (Association of Avian Veterinarians)
- ◆ Member of the A.E.M.V. (Association of Exotic Mammal Veterinarians)
- ◆ Member of the A.R.A.V (Association of Reptile and Amphibian Veterinarians)
- ◆ Professor and coordinator of the "Master in Exotic Animal Medicine and Surgery", taught by Forvetex, from 2018 to the present
- ◆ Tutor for external internships at different national and international universities
- ◆ Since 2014 he is the owner and administrator of the Madagascar exotic animal specialist clinic (Madrid), a center that in turn supports different veterinary centers and hospitals and breeders of non-conventional species.
- ◆ Veterinarian specializing in exotic animals in different veterinary clinics and hospitals in Madrid since 2007.
- ◆ Author of several articles in national magazines on exotic and wild fauna
- ◆ Throughout his professional career, he has participated in more than 30 courses, congresses and conferences on exotic and wild animals, both nationally and internationally
- ◆ He was a volunteer at the Rof Codina Veterinary Hospital in Lugo during the Prestige disaster, performing detoxification, treatment, feeding and stabilization of the different maritime avian species received at the center throughout the crisis



Expand your training with the best specialists in the field"

04

Structure and Content

The structure of the content has been designed by the best professionals in the Exotic Animal Medicine and Surgery sector, with extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed, studied, and diagnosed, and with extensive knowledge of new technologies applied to veterinary studies.





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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: Relevant Aspects of Birds

- 1.1. Taxonomic Classification of Psittaciformes: The Majority of Birds Brought to the Practice
 - 1.1.1. Taxonomic Classification.
 - 1.1.2. Worldwide Distribution.
 - 1.1.3. Anatomic Differences.
- 1.2. Taxonomic Classification of Passerine Birds: The Vast Majority of Wild Birds
 - 1.2.1. Taxonomic Classification.
 - 1.2.2. Worldwide Distribution.
 - 1.2.3. Anatomic Differences.
- 1.3. Taxonomic Classification of Falconiformes: Birds of Prey
 - 1.3.1. Taxonomic Classification.
 - 1.3.2. Worldwide Distribution.
 - 1.3.3. Anatomic Differences.
- 1.4. Anatomy Recap.
 - 1.4.1. Generalized Anatomy Among Species
 - 1.4.2. Anatomy of the Skeletal System
 - 1.4.3. Anatomy of the Organs
- 1.5. Maintenance: Suitable Facilities for Each Species
 - 1.5.1. Special Furniture: Types of Cages
 - 1.5.2. Stress.
 - 1.5.3. Physical exercise
 - 1.5.4. Ultraviolet Light.
 - 1.5.5. Maintenance of Birds in Captivity
 - 1.5.6. Coloring of the Feathers
 - 1.5.7. Availability of Water
 - 1.5.8. Drugs Added to the Water
 - 1.5.9. Baths and Sprays With Water

- 1.6. Nutritional Requirements: Nutrition
 - 1.6.1. Feeding Guidelines
 - 1.6.2. Nutritional Composition of the Food
 - 1.6.2.1. Carbohydrates
 - 1.6.2.2. Proteins
 - 1.6.2.3. Fats
 - 1.6.2.4. Vitamins.
 - 1.6.2.4.1. Liposoluble Vitamins
 - 1.6.2.4.2. Hydrosoluble Vitamins
 - 1.6.2.4.3. Antivitamins.
 - 1.6.2.5. Minerals
- 1.7. Type of Nutrition in Psittacine Birds
 - 1.7.1. Seed Mixture: Nature in Captivity
 - 1.7.2. Feed: Differences Between Granulated and Extruded
 - 1.7.3. Fruits and Vegetables: Environmental Enrichment.
 - 1.7.4. Germinated Seeds: With High Amounts of Vitamins
 - 1.7.5. Cooked Legumes: In Raw Form They Generate Digestive Alterations
 - 1.7.6. Breeding Paste: Desired and Undesired Effects
 - 1.7.7. Other Products.
 - 1.7.8. Calculating Energy Needs: Basal Metabolic Rate (BMR) and Maintenance Energy Requirements (MER)
- 1.8. Generalized Diet for the Most Frequent Psittacines in the Clinic
 - 1.8.1. Australian Parakeet (*Melopsittacus undulatus*)
 - 1.8.2. Nymph (*Nymphicus Hollandicus*)
 - 1.8.3. Lovebird (*Agapornis* spp)
 - 1.8.4. African Grey Parrot, Yaco (*Psithacus Erithacus*)
- 1.9. Generalized Diet for the Least Frequent Psittacines in the Clinic
 - 1.9.1. Amazona (*Amazona* Sp)
 - 1.9.2. Macaw (*Ara* Sp)
 - 1.9.3. Cockatoo (*Cacatua* Sp)
 - 1.9.4. Ecleptus (*Ecleptus Roratus*)
 - 1.9.5. Loris.
 - 1.9.6. Conversion of Psittacine Feeding



- 1.10. Other Feeding Aspects
 - 1.10.1. Relevant Aspects.
 - 1.10.2. Feeding in Passerine Birds
 - 1.10.3. Food in Hospitalized Patients

Module 2: Diagnostic Criteria and Treatments in Birds

- 2.1. The Most Important Zoonoses
 - 2.1.1. Prevention and Protection of the Veterinary Professional
 - 2.1.2. Risk of Zoonosis from Handling
 - 2.1.3. Risk of Zoonosis from Ingesting
- 2.2. Clinical Handling and Preventive Medicine
 - 2.2.1. Physical Examination: Complete and Orderly
 - 2.2.2. Bird Containment
 - 2.2.3. Sampling and Drug Administration
 - 2.2.3.1. Intravenous Route
 - 2.2.3.2. Intraosseous Route:
 - 2.2.3.3. Oral Posology.
 - 2.2.3.4. Intramuscular Route
 - 2.2.3.5. Subcutaneous Route
 - 2.2.3.6. Topical Route.
 - 2.2.4. Preventative Medicine.
 - 2.2.4.1. Vaccination.
 - 2.2.4.2. Deworming.
 - 2.2.4.3. Sterilization.
- 2.3. Diagnostic Imaging: Radiology in Birds
 - 2.3.1. Ultrasound Equipment
 - 2.3.2. Handling Techniques in Radiography
 - 2.3.3. Ultrasound Visualization.
- 2.4. Advanced Diagnostic Imaging
 - 2.4.1. Ultrasound in Birds: The Use of Ultrasound
 - 2.4.2. Technical Issues.
 - 2.4.3. Preparing and Positioning the Patient
 - 2.4.4. Endoscopy in Birds: Necessary Instruments.

2.5. Pathologies of the Skin

- 2.5.1. Acariasis: In Parakeets and Canaries
- 2.5.2. Follicular Cysts: Usual Reason for Attending a Practice in Canaries
- 2.5.3. Itching: A Major Disorder
- 2.5.4. Cutaneous Lipomas: Very Common in Parakeets and Other Species

2.6. Other Important Diseases

- 2.6.1. Avian Smallpox: Poxvirus.
- 2.6.2. Circovirus: Diseases of the Beak and Feathers
- 2.6.3. Gout: Visceral or Articular
- 2.6.4. Limping: Multifactorial Cause.
- 2.6.5. Spikes: "Bumblefoot"

2.7. Reproductive Diseases.

- 2.7.1. Introduction
- 2.7.2. Egg Retention
- 2.7.3. Chronic Egg Laying Nymphs, Parakeets and Lovebirds

2.8. Listing Frequent Pathologies

- 2.8.1. Macrorhabdus Ornithogaster: The Megabacteria.
- 2.8.2. Vomiting and Regurgitating: Nonspecific Type
- 2.8.3. PDD: Proventriculus Dilatation Disease
- 2.8.4. Hepatic Lipidosis: The Most Common Liver Problem
- 2.8.5. Nonspecific Diarrhea: In Passerines and Psittaciformes

2.9. Other Pathologies

- 2.9.1. Psittacosis: Potential Zoonosis.
- 2.9.2. Hypovitaminosis A: Common in Birds Fed Exclusively on Seeds
- 2.9.3. Aspergillosis: Fungi of the Aspergillus Genus
- 2.9.4. Nonspecific Respiratory Problems: The Major Issue
- 2.9.5. Heavy Metal Poisoning
- 2.9.6. Hypocalcemia: Very common in Yacos





2.10. Treatment

2.10.1. Key Aspects to Perform a Surgical Procedure

2.10.2. Making Bandages

2.10.2.1. Bandaging Wings

2.10.2.2. Bandaging Spikes

2.10.3. Feather Cutting

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*This training will allow you to advance
in your career comfortably”*

05

Methodology

This training provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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.





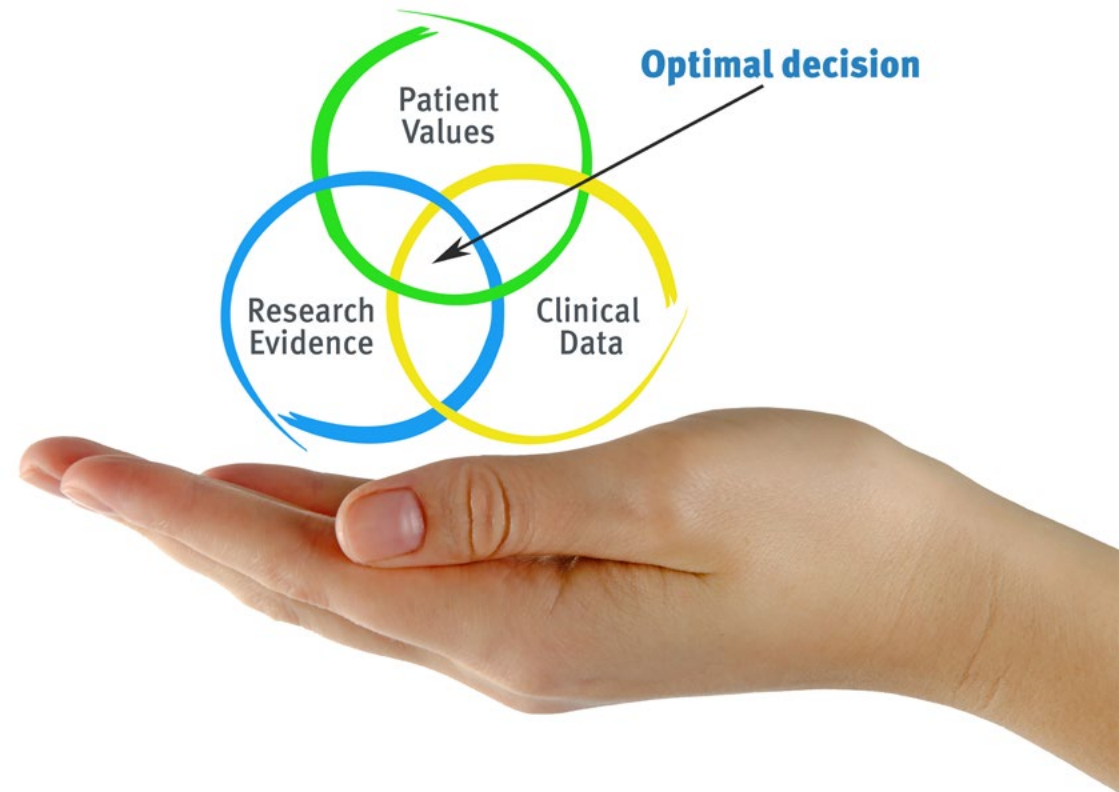
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Discover Re-learning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

In a given clinical situation, what would you do? Throughout the from trained 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 abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

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



According to Dr. Gervas, 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 potential or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions of professional veterinary practice.

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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 achieve the assimilation of concepts, but also a development of their mental capacity through exercises to evaluate real situations and the application of knowledge.
2. The learning process has a clear focus on 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.



Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing 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.



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

With this methodology we have trained more than 65,000 veterinarians with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Re-learning 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.

In our program, learning is not a linear process, but rather a spiral (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

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



In this program you will have access to the best educational material, prepared with you 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Latest Techniques and Procedures on Video

We bring you closer to the latest Techniques, to the latest Educational Advances, to the forefront of current Veterinary Techniques and Procedures. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



Interactive Summaries

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Re-testing

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your 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 our future difficult decisions.



Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06 Certificate

The **Postgraduate Certificate in Bird Expert** guarantees you, in addition to the most rigorous and updated training, access to a Postgraduate Certificate issued by TECH - Technological University.



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

This **Postgraduate Certificate in Bird Expert** is the most comprehensive and up-to-date scientific program on the market.

Once the student has passed the evaluations, 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 required by labor exchanges, competitive examinations career evaluation committees.

Title: **Postgraduate Certificate in Bird Expert**

ECTS: **12**

Official Number of Hours: **300**



*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.

future
health confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present quality
development language
classroom



Postgraduate Certificate
Bird Expert

Course Modality: Online

Duration: 3 months.

Certificate: TECH - Technological University

12 ECTS Credits

Teaching Hours: 300 hours.

Postgraduate Certificate Bird Expert

