

# Postgraduate Certificate Pharmacological Treatments





## Postgraduate Certificate Pharmacological Treatments

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/psychology/postgraduate-certificate/pharmacological-treatment](http://www.techtute.com/us/psychology/postgraduate-certificate/pharmacological-treatment)

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# 01

# Introduction

The development of increasingly specific pharmacology related to the clinical management of patients with different neurological dysfunctions and pathologies has led to a considerable improvement in their quality of life. In addition, the combined application with psychological therapies increases the chances of success. That is why the professional in this field must know in detail these treatments, to act accordingly to the possible effects of these drugs. For this, TECH Technological University has developed this very complete program, focused on updating the knowledge of the professional in a 100% online way. A unique opportunity to progress in their specialty with the support of TECH Technological University and a team of experts in the field.



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*Pharmacology combined with specific therapies can be a unique opportunity for your patients. For this reason, TECH has prepared this Postgraduate Certificate, so that you know in detail the best treatments”*



Advances in the field of psychopharmacology have enabled millions of patients to improve their quality of life through the combined application of therapeutic techniques and chemical treatments that help to alleviate various neurological diseases. Moreover, thanks to this, professionals in this field can work in a more specialized manner and always for the benefit of the people who come to their office.

With the objective that the graduate can get to know, in detail, the latest scientific evidence related to the drugs that are having the best results today, TECH Technological University has designed this Postgraduate Certificate. It is a qualification developed over 6 weeks that includes 150 hours of theoretical, practical and additional content to delve into the mechanisms of action, side effects and contraindications of: antidepressants, antipsychotics, anxiolytics and hypnotics, mood stabilizers and much more. All this in a comfortable and intensive 100% online program led by experts in Psychology.

The entire syllabus, as well as the research articles, detailed videos, complementary readings and case studies included in the program, will be available from the beginning of the educational experience. In this way, the graduate will be able to organize their schedule in a specific way. In addition, they will be able to download everything to any device with an internet connection, so that they can consult it whenever they need it, even after the program has ended.

This **Postgraduate Certificate in Pharmacological Treatments** contains the most complete and up-to-date program on the market. The most important features include:

- ♦ Practical cases presented by experts in Psychology
- ♦ 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



*You will get to know in detail the essential aspects of the neurological treatments that are currently obtaining the best results"*

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*Knowing in detail the side effects that a patient who is taking some type of pharmacological treatment may present will help you to create more specific strategies”*

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 the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn 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 throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

*You will have 150 hours of the best additional material with which you will be able to delve into the aspects of the syllabus that you consider most important for your educational and professional development.*

*A program designed to update your knowledge about psychopharmacology in a 100% online way.*



# 02 Objectives

The objective of this course is none other than to provide students with all the academic tools that will enable them to achieve their own goals in their professional sector. TECH Technological University and its team of experts have invested dozens of hours in creating a complete, up-to-date, comprehensive and top-quality qualification, adapted to the most demanding market specifications. Therefore, by completing the course, the student will have achieved all the necessary skills to manage patients with neurodegenerative diseases with the total certainty that they are doing so based on the latest evidence in the field of psychology.







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*Would you like to know in detail the pharmacological specifications of antiepileptic and antidementia drugs among other treatments? Then this program is perfect for you"*



## General Objective

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- ♦ Develop a broad and up-to-date knowledge of the different pharmacological treatments that are having better results today applicable to clinical neuropsychology
- ♦ Delve into the pharmacological recommendations, as well as their advantages and disadvantages depending on the patient and the pathology they suffer from





## Specific Objectives

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- Know and learn about the basics and foundations of psychopharmacology
- Know and classify the different types of psychopharmaceuticals
- Know and contextualize the different uses of psychopharmacological therapy

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*TECH's objective is to help you reach your professional goals through the completion of programs adapted to your needs and to the demand of the Psychology sector”*



# 03

## Course Management

TECH is continually committed to academic excellence. For this reason, each of its programs has teaching teams of the highest reputation. These experts have extensive experience in their professional fields and, at the same time, have achieved significant results with their empirical research and fieldwork. In addition, these specialists play a leading role within the university qualification, as they are in charge of selecting the most up-to-date and innovative content to be included in the syllabus. In addition, they participate in the elaboration of numerous multimedia resources of high pedagogical rigor.



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*The teaching materials of this program, elaborated by these specialists, have contents that are completely applicable to your professional experiences”*



## International Guest Director

Dr. Steven P. Woods is a leading neuropsychologist, internationally recognized for his outstanding contributions to improving clinical detection, prediction and treatment of real-world health outcomes in diverse neuropsychological populations. He has forged an exceptional career path, which has led him to publish over 300 articles and serve on editorial boards in 5 major Clinical Neuropsychology journals.

His excellent scientific and clinical work focuses primarily on the ways in which cognition can hinder and support daily activities, health and well-being in adults with chronic medical conditions. Other areas of scientific relevance, for this expert, also include health literacy, apathy, intra-individual variability and internet navigation skills. His research projects are funded by the National Institute of Mental Health (NIMH) and the National Institute on Drug Abuse (NIDA).

In this regard, Dr. Woods' research approach explores the application of theoretical models to elucidate the role of neurocognitive deficits (e.g., memory) in everyday functioning and health literacy in people affected by HIV and aging. In this way, his interest focuses, for example, on how people's ability to "Remember to Remember", the so-called prospective memory, influences health-related behaviors, such as medication adherence. This multidisciplinary approach is reflected in his groundbreaking research, available on Google Scholar and ResearchGate.

He has also founded the Clinical Neuropsychology Service at Thomas Street Health Center, where he holds a senior position as Director. Here, Dr. Woods provides Clinical Neuropsychology services to people affected by HIV, providing critical support to communities in need and reaffirming his commitment to the practical application of his research to improve lives.



## Dr. Woods, Steven P

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- ♦ Founder and Director of the Clinical Neuropsychology Service at the Thomas Street Health Center
- ♦ Collaborator in the Department of Psychology, University of Houston
- ♦ Associate Editor at Neuropsychology and The Clinical Neuropsychologist
- ♦ Ph.D. in Clinical Psychology, with a specialization in Neuropsychology, Norfolk State University
- ♦ B.S. in Psychology, Portland State University
- ♦ Member of:
  - ♦ National Academy of Neuropsychology
  - ♦ American Psychological Association (Division 40, Society for Clinical Neuropsychology)

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*Thanks to TECH, you will be able to learn with the best professionals in the world”*

# 04

## Structure and Content

TECH Technological University invests hundreds of hours in the development of each of its programs. For this reason, its qualifications are the result of the effort and perseverance of a team of experts who always strive to create the best content, adapted to the specifications of the sector, market demand and the immediate relevance of the subject matter. All of this is compiled in a convenient and accessible 100% online program that gives students the opportunity to organize their academic experience in a personalized way that is perfectly compatible with their work and personal life.





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*A Postgraduate Certificate with which you will be able to work on your communication skills with the patient and on the consumption of different drugs”*

## Module 1. Pharmacological Treatments

- 1.1. Introduction to Psychopharmacology
  - 1.1.1. Principles and Introduction to Psychopharmacology
  - 1.1.2. General Principles of Psychopharmacological Treatment
  - 1.1.3. Main Applications
- 1.2. Antidepressants
  - 1.2.1. Introduction
  - 1.2.2. Types of Antidepressants
  - 1.2.3. Mechanism of Action
  - 1.2.4. Indications
  - 1.2.5. Drugs of the Group
  - 1.2.6. Dosage and Forms of Administration
  - 1.2.7. Side Effects
  - 1.2.8. Contraindications
  - 1.2.9. Drug Interactions
  - 1.2.10. Patient Information
- 1.3. Antipsychotics
  - 1.3.1. Introduction
  - 1.3.2. Types of Antipsychotics
  - 1.3.3. Mechanism of Action
  - 1.3.4. Indications
  - 1.3.5. Drugs of the Group
  - 1.3.6. Dosage and Forms of Administration
  - 1.3.7. Side Effects
  - 1.3.8. Contraindications
  - 1.3.9. Drug Interactions
  - 1.3.10. Patient Information
- 1.4. Anxiolytics and Hypnotics
  - 1.4.1. Introduction
  - 1.4.2. Types of Anxiolytics and Hypnotics
  - 1.4.3. Mechanism of Action
  - 1.4.4. Indications
  - 1.4.5. Drugs of the Group
  - 1.4.6. Dosage and Forms of Administration
  - 1.4.7. Side Effects
  - 1.4.8. Contraindications
  - 1.4.9. Drug Interactions
  - 1.4.10. Patient Information
- 1.5. Mood Stabilizers
  - 1.5.1. Introduction
  - 1.5.2. Types of Mood Stabilizers
  - 1.5.3. Mechanism of Action
  - 1.5.4. Indications
  - 1.5.5. Drugs of the Group
  - 1.5.6. Dosage and Forms of Administration
  - 1.5.7. Side Effects
  - 1.5.8. Contraindications
  - 1.5.9. Drug Interactions
  - 1.5.10. Patient Information
- 1.6. Psychostimulants
  - 1.6.1. Introduction
  - 1.6.2. Mechanism of Action
  - 1.6.3. Indications
  - 1.6.4. Drugs of the Group
  - 1.6.5. Dosage and Forms of Administration
  - 1.6.6. Side Effects
  - 1.6.7. Contraindications
  - 1.6.8. Drug Interactions
  - 1.6.9. Patient Information



- 1.7. Anti-Dementia Drugs
  - 1.7.1. Introduction
  - 1.7.2. Mechanism of Action
  - 1.7.3. Indications
  - 1.7.4. Drugs of the Group
  - 1.7.5. Dosage and Forms of Administration
  - 1.7.6. Side Effects
  - 1.7.7. Contraindications
  - 1.7.8. Drug Interactions
  - 1.7.9. Patient Information
- 1.8. Drugs for the Treatment of Dependency
  - 1.8.1. Introduction
  - 1.8.2. Types and Mechanism of Action
  - 1.8.3. Indications
  - 1.8.4. Drugs of the Group
  - 1.8.5. Dosage and Forms of Administration
  - 1.8.6. Side Effects
  - 1.8.7. Contraindications
  - 1.8.8. Drug Interactions
  - 1.8.9. Patient Information
- 1.9. Anti-Epileptic Drugs
  - 1.9.1. Introduction
  - 1.9.2. Mechanism of Action
  - 1.9.3. Indications
  - 1.9.4. Drugs of the Group
  - 1.9.5. Dosage and Forms of Administration
  - 1.9.6. Side Effects
  - 1.9.7. Contraindications
  - 1.9.8. Drug Interactions
  - 1.9.9. Patient Information
- 1.10. Other Drugs: Guanfacine
  - 1.10.1. Introduction
  - 1.10.2. Mechanism of Action
  - 1.10.3. Indications
  - 1.10.4. Dosage and Forms of Administration
  - 1.10.5. Side Effects
  - 1.10.6. Contraindications
  - 1.10.7. Drug Interactions
  - 1.10.8. Patient Information



*If what you are looking for is to be able to offer a more complete and specialized service to your patients, enroll now in this program and take the step to achieve it"*

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.



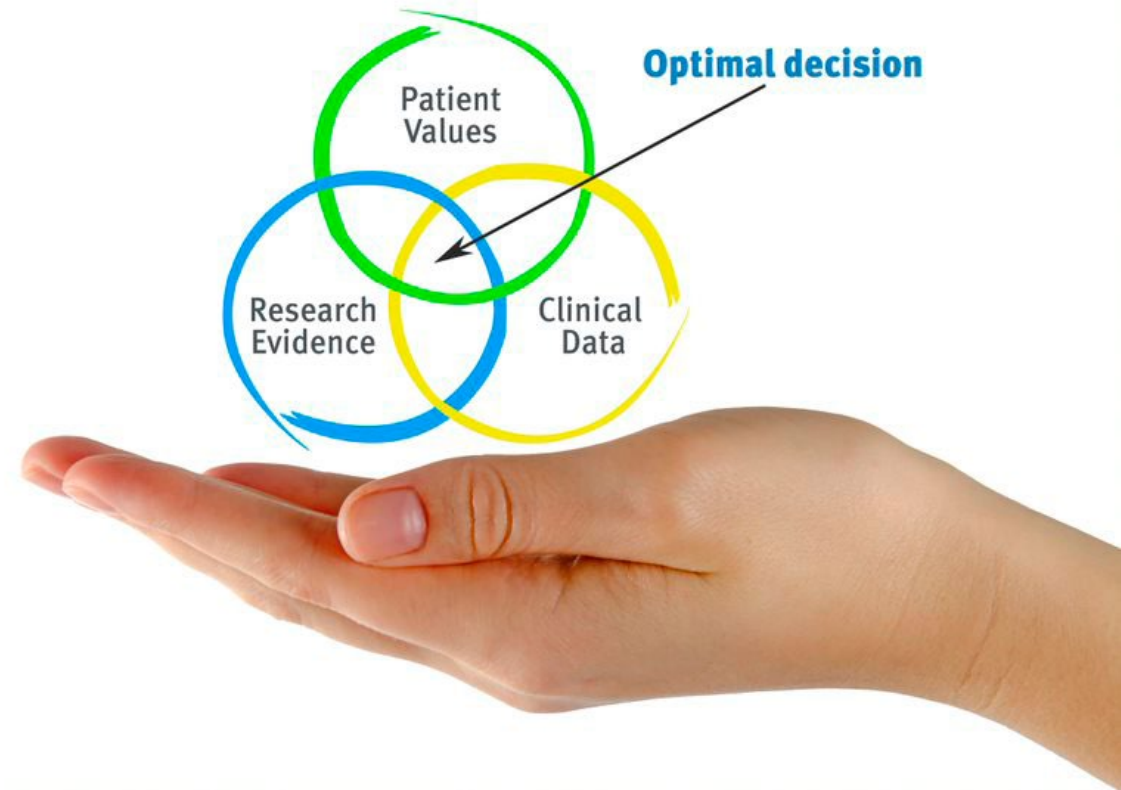
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately 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 the psychologist experiences 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, trying to recreate the real conditions in the psychologist's professional 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. Psychologists who follow this method not only master the assimilation of concepts, but also develop their mental capacity by means of exercises to evaluate real situations and apply their knowledge.
2. Learning is solidly translated into practical skills that allow the psychologist to better integrate knowledge into clinical practice.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more 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.

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 is a real revolution compared to the simple study and analysis of cases.

*The psychologist will learn through real cases and by solving 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 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).

This methodology has trained more than 150,000 psychologists with unprecedented success in all clinical specialties. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

*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 our 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, to the latest educational advances, to the forefront of current psychology. 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

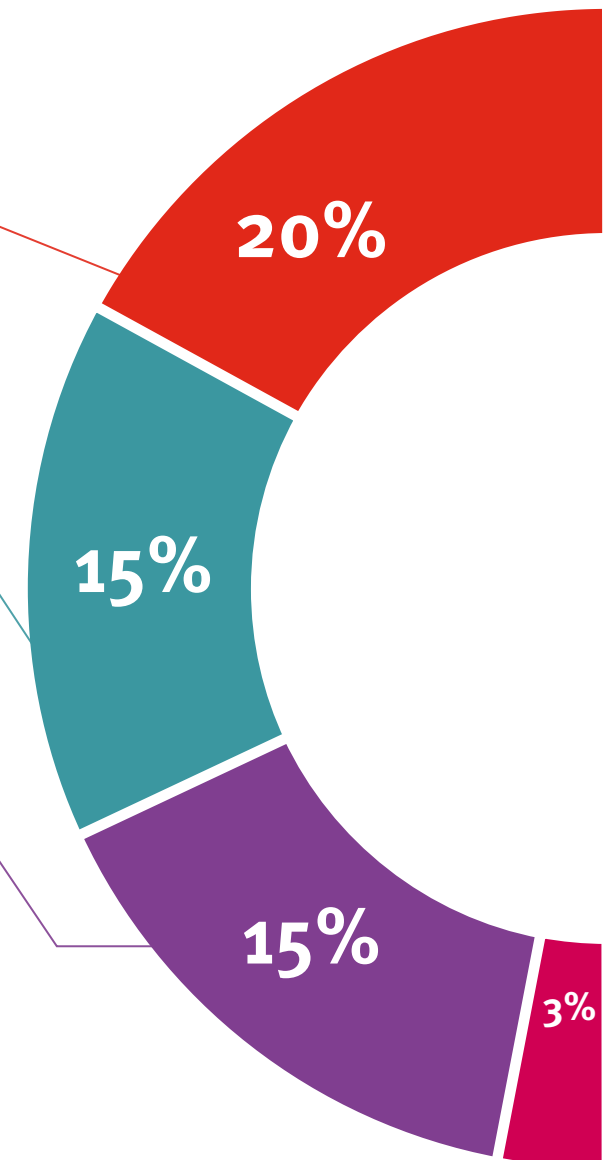
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

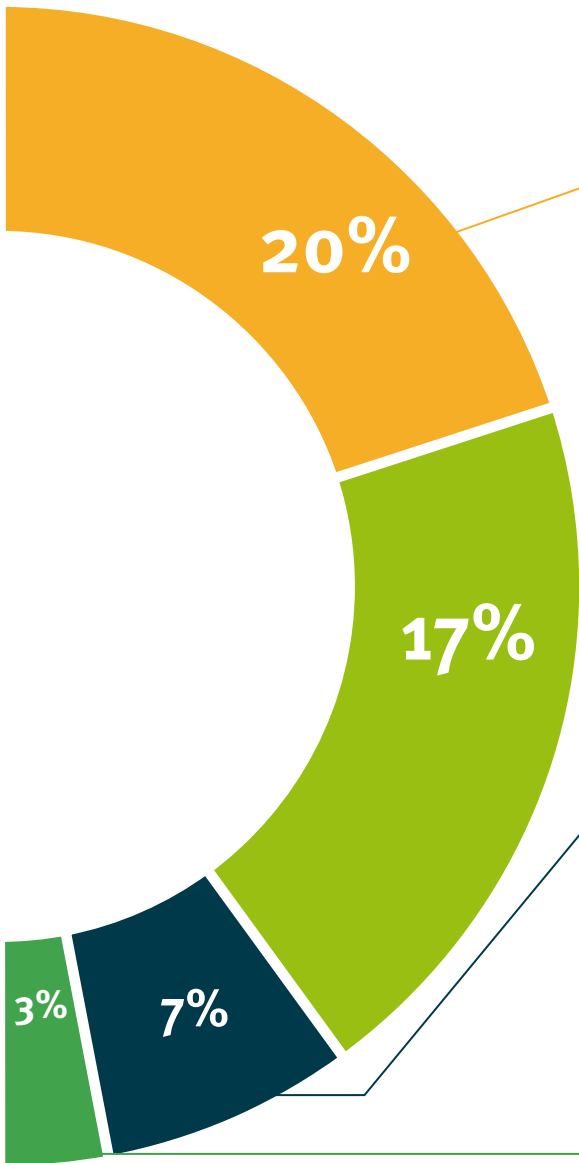
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### 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.





**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.





06

# Certificate

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





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

This **Postgraduate Certificate in Pharmacological Treatments** contains the most complete and up-to-date 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 diploma 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 Pharmacological Treatments**

Official N° of Hours: **150 h.**



\*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  
development language  
virtual classroom

**tech** technological  
university

Postgraduate Certificate  
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