

# Hybrid Professional Master's Degree

## Psychopharmacology





## Hybrid Professional Master's Degree Psychopharmacology

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Global University

60 + 5 créditos ECTS

Website: [www.techtute.com/us/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-psychopharmacology](http://www.techtute.com/us/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-psychopharmacology)

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# 01

# Introduction

Advances in psychopharmacology have allowed the development of more ambitious and effective therapies to treat problems such as stress, depression, memory problems and even psychotic disorders such as Schizophrenia. Therefore, care protocols are better adjusted to each clinical condition and contribute quickly to the recovery of individuals. At the same time, physicians face difficulties in keeping up to date with all these innovations. For this reason, this program offers the most updated contents of this discipline through an innovative academic methodology. In its first stage, the physician will receive 1,500 hours of theoretical learning from a 100% online and interactive platform. Afterwards, he will have at his disposal a practical, face-to-face and inverse internship in a renowned hospital center where he will apply his new knowledge on real patients.





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*With TECH, you will be up to date on the major advances in modern Psychopharmacology, with an educational modality that combines in an exceptional way the practical and theoretical knowledge of this area of health”*

Psychopharmacology has incorporated different medical contributions in recent years. From it, the health sector has been able to outline more personalized intervention strategies according to the symptomatology of each patient. At the same time, this discipline has investigated the discovery of neurotransmitters that condition a more efficient response to specific substances in pathologies such as Schizophrenia or Bipolar Disorder. This branch of science has also searched for those genes related to a certain psychological or psychiatric phenomenon in order to investigate the drug with the greatest precession against them. Simultaneously, the mastery of all these advances is a challenge for specialists in a context where the programs in this respect have a high theoretical load.

TECH, in its eagerness to contribute to the training of excellence of specialists, has designed a Hybrid Professional Master's Degree that overcomes these shortcomings. To this end, it has developed an educational modality, pioneer in its kind, where knowledge and skills will be addressed in two different ways. First, the graduate will be updated on the latest trends in Psychopharmacology in a theoretical way. The contents in this pedagogical phase will be arranged in a 100% online and interactive learning platform. From there, you will access a syllabus prepared by distinguished experts and, under their personalized guidance, assimilate concepts quickly and flexibly.

Then, in a practical and face-to-face internship that lasts 3 weeks, the professional will develop different skills related to the mastery of the previous phase. In an intensive and immersive way, he will analyze the drugs, or combinations of them, that best fit real patients under his responsibility. He will also be mentored by an assistant tutor who will closely monitor his progress. The clinical training will take place in a hospital institution of maximum rigor, which will be chosen by the student, according to his immediate geographical location.

This **Hybrid Professional Master's Degree in Psychopharmacology** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Development of more than 100 clinical cases presented by Psychopharmacology professionals
- ♦ 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
- ♦ Comprehensive systematized action plans for the main pathologies
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ Practical clinical guides on approaching different pathologies
- ♦ All of this will be complemented by 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
- ♦ Furthermore, you will be able to carry out a clinical internship in one of the best medical centers



*The use of drugs at the end of life, as part of the palliative care against pain, is another of the innovative edges that you will analyze through this Hybrid Professional Master's Degree"*

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*Don't hesitate any longer and enroll in this program that provides you with 1,620 hours of the best theoretical and practical learning about the most modern medications to stop Depression and convulsive behaviors"*

In this Professional Master's Degree proposal, of a professionalizing nature and hybrid learning modality, the program is aimed at updating Psychopharmacology professionals who require a high level of qualification. The contents are based on the latest scientific evidence, and are oriented in a didactic way to integrate theoretical knowledge into medical practice, and the theoretical-practical elements will facilitate the updating of knowledge and will allow decision making in patient management.

Thanks to its multimedia content elaborated with the latest educational technology, it will allow health care professional to obtain a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to train in real situations. This program is designed around Problem-Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the course. For this purpose students will be assisted by an innovative interactive video system developed by renowned experts.

*During the practical phase of this program, you will develop new skills for the pharmacological management of patients with eating and sleep disorders.*

*This Hybrid Professional Master's Degree has been designed for you to be part of the medical forefront, with a complete vision of the advantages and contributions of Psychopharmacology.*



02

# Why Study this Hybrid Professional Master's Degree?

TECH has created this pioneering Hybrid Professional Master's Degree, so that professionals can get up to date with the advances in Psychopharmacology. For this educational process, the program offers the doctor an excellent teaching staff and a solid and updated syllabus during its first stage. Likewise, in a second practical stage, the program offers the pulmonologist the opportunity to apply this knowledge in person, from a hospital institution of high prestige and rigor.





Why Study this Hybrid Professional | 09 **tech**  
Master's Degree?

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*TECH gives you the opportunity to study with prestigious international experts, gaining access to renowned health centers located in different latitudes"*

## tech 10 | Why Study this Hybrid Professional Master's Degree?

### 1. Updating from the latest technology available

Through this program, the physician will update his skills with regarding the management of the most modern protocols and care criteria in the field of Psychopharmacology. From this intensive study process, he will achieve greater specialization and will provide first level care to all his patients.

### 2. Gaining In-Depth Knowledge from the Experience of Top Specialists

During this program, TECH will accompany the doctors through a team of experts with extensive professional experience. With their help, they will develop complex theoretical knowledge and discuss clinical cases, presented by way of exemplification. Additionally, during the face-to-face internship, they will have a designated tutor to complement their skills and provide them with personalized guidance.

### 3. Entering First-Class Clinical Environments

After a thorough review of the most prestigious hospitals, TECH has chosen those institutions where medical technologies and health care personnel converge in an exceptional way. In this way, the specialist will have within his reach the best tools and practical advisors to acquire a more extensive and rigorous update on the most innovative postulates and elements of this health area.





#### 4. Combining the Best Theory with State-of-the-Art Practice

In an educational market where programs with excessive academic loads abound, TECH distinguishes itself with a novel offer. Therefore, specialists will be able to access a theoretical pedagogical preparation of excellence that is complemented with an intensive and exhaustive 3-week internship program, in a hospital center of reference in the area of Psychopharmacology.

#### 5. Expanding the Boundaries of Knowledge

TECH, as an educational institution of international scope, has access to specialized centers around the world. In this way, the physician who opts for this program to get up to date, will be able to expand his skills from diverse frontiers and exercise his knowledge alongside the most recognized experts in the global health care scenario.

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*You will have full practical immersion  
at the center of your choice”*

# 03 Objectives

The Hybrid Professional Master's Degree in Psychopharmacology is a leading educational program due to its updated theoretical and practical contents. Its comprehensive syllabus will prepare physicians for a more versatile training in line with the implementation of the latest therapeutic procedures. Additionally, the program is supervised by professionals with extensive experience, ensuring that specialists receive a complete mastery of the latest trends in this area of health care.





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*With this educational program, you will incorporate to your knowledge and skills, the most comprehensive management of neurotransmitters that favor the assimilation or rejection of anticonvulsant drugs”*



## General Objective

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- This program will update specialists on the main innovations related to drugs used in Psychiatry and Neurology. Particularly, they will delve into new discoveries related to drug absorption and pharmacodynamics. They will also receive a detailed description of the most modern protocols of intervention and clinical decision making for the patient with psychopathological problems





## Specific Objectives

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### Module 1. Pharmacology and Its Objectives in the Psychological Therapeutic Process

- ♦ Describe the patient's clinical history
- ♦ Discover and promote the family psychic fabric
- ♦ Differentiate the different etiologies of mental disorders
- ♦ Manage and master the role of sympathy and empathy in vicarious learning
- ♦ Manifest the importance of admiration in the overall balance of the family
- ♦ Develop effective analysis plans for differential diagnosis
- ♦ Identify psychopharmacological needs in mood disorders
- ♦ Manage the patient's medical history, as well as provide the necessary skills to work in a multidisciplinary manner

### Module 2. Anamnesis and the Decision to Choose the Appropriate Drug

- ♦ Discover and find the emotional memories of the components of the disorder
- ♦ Dominate and manage the relationship until it becomes a referential person
- ♦ Identify the components of the patient's pathology to decide on intervention
- ♦ Point out the impact of diagnoses on patient decision making
- ♦ Design and implement chronic disease adjustment programs
- ♦ Develop protocols that do not allow for drug dependence
- ♦ Manage and stabilize the emotional and affective deficiencies of the patient within the intervention
- ♦ Use the intervention to determine when it is necessary for other professionals to join the analysis process

### Module 3. Classification of Psychotropic Drugs

- ♦ Identify study methods to demonstrate that the drug has utility
- ♦ Discovering the legal procedures for the use of the drug
- ♦ Describe the harmful links between drugs
- ♦ Use knowledge about the side effects of drugs so that they do not hinder the intervention in psychotherapy
- ♦ Describe the beneficial effects of the drug
- ♦ Master the adverse effects and toxicity of the drug

### Module 4. Pharmacological Intervention in Anxiety and Stress Disorders

- ♦ Differentiate the pharmacological casuistry for depression and anxiety disorders
- ♦ Identify and describe the possible management of anxiety disorders
- ♦ Assesses the impact of parental anxiety, depressive and psychotic disorders
- ♦ Express and identify the importance of stress
- ♦ Identify and differentiate anxiety disorders in their different categories
- ♦ Recognize and differentiate disorders secondary to stress

### Module 5. Intervention with Psychotropic Drugs in Depression, Eating Disorders, and Sleep Disorders

- Describe depressive axes
- Master the interaction between antidepressants and other drugs
- Evaluate and list components of eating disorders
- Control pharmacotherapy for anorexia nervosa and master the pharmacological treatment of bulimia
- Handle sleep management with pharmacotherapy
- Differentiating sleep and wakefulness disorders
- Understand the dynamics of sleepwalking
- Differentiate night terror from nightmares

### Module 6. Pharmacotherapy of Psychosis and Dementias

- Learn the side effects of medication for Alzheimer's disease
- Differentiate and frame the disorders of a psychotic systemic disorder
- Describe and master the symptoms of schizophrenia according to the theory of communication and double bind
- Perform and adapt pharmacological intervention protocols within an interdisciplinary framework of psychosis
- Address the clinical use of medication in patients with dementia
- Develop the intervention with the drug according to the mental logic of the different age groups
- Master and manage the differential characteristics of psychological pathologies





### Module 7. Drugs Used in the Pain Unit

- ♦ Design and conduct controlled clinical studies in pain
- ♦ Master pain within the framework of therapy
- ♦ Managing acute pain with psychopharmaceuticals
- ♦ Master the assessment and intervention tools using all the pain intervention indicators
- ♦ Develop follow-up models that express the changes of pathologies specific to mental states and pain
- ♦ Identify and master the clinical and prognostic features of the different disorders of childhood and adolescence with pharmacological intervention on pain

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*Enroll in this program and do not miss the opportunity to study in a theoretical and practical way the main advances in Psychopharmacology”*

# 04 Skills

Upon completion of this Hybrid Professional Master's Degree, the medical professional will be equipped with the most updated theoretical and practical skills related to Psychopharmacology. This will allow them to offer personalized treatment to all their patients, based on the most advanced therapeutic products and the most complete scientific evidence.





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*With TECH you will develop rigorous, up-to-date skills based on the latest scientific evidence about how some antipsychotic medications interact with herbal supplements”*



## General Skills

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- Understand psychopathology in order to create a framework of security in the diagnosis and subsequent treatment of psychotropic drugs
- Master the relationship in order to achieve an adequate bond to obtain the necessary information to carry out the diagnosis
- Connect with the family to locate the most relevant agents of their case and from there, delve into their medical history
- Appreciate all the elements of communication in order to know not only what the family members say, but also what they feel and perceive
- Describe the different models that explain the state of the family in order to be able to make decisions regarding the psychopathological situation
- Identify the different criteria that currently establish the expression of psychological illness in order to establish an adequate intervention with psychotropic medication





## Specific Skills

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- ♦ Create an adequate bond to enable the psychopathological study
  - ♦ Prepare and master the relationship in the first meeting with the child or teenager and the adults that make up the family nucleus
  - ♦ Describe the emotions felt by the subject in response to treatment with psychotropic medication
  - ♦ Understand and master the techniques of staging, rescue and outcome of the evaluation process
  - ♦ Develop ways to detect personality disorders: histrionic, dependent and avoidant Recognize the unique signs of passive aggressive personality disorder
  - ♦ Differentiate between the knowledge of DNA and RNA, in order to perform diagnostic differentiation in the family setting
  - ♦ Describe the importance of epigenetics in the study of child and adolescent behavior
  - ♦ Describe little known syndromes, such as self-injuries, in order, to master them and understand self-injuries under emotional anxiety
  - ♦ Outline and manage the classification of mental illnesses in the D.S.M. -5 and ICD-10
  - ♦ Communicate and educate so that the proposed diagnoses lead to an effective therapeutic relationship
  - ♦ Advocate and develop protocols that differentiate health from illness in the family
  - ♦ Discover the array of signs and signals to identify the psychopathology of family members
- ♦ Know and be able to develop the role of technical consultant for cases, programs, organization, support to Units and external professionals
  - ♦ Work in a multidisciplinary UTD and communicate adequately with the professionals who are part of it
  - ♦ Prepare clinical reports and support other professionals in the reporting of patients in pain
  - ♦ Coordinate with healthcare and non-healthcare professionals in the comprehensive approach to pain with continuity of care



*Enroll in this program and expand your skills in Psychopharmacology towards the highest excellence"*

05

# Course Management

In order to provide the most up-to-date education to its graduates, TECH has chosen a faculty with extensive scientific, clinical and research experience. All members of the teaching team are up to date on the most advanced clinical procedures in Psychopharmacology. Based on this knowledge, they have created a complete syllabus that delves into all these aspects and enables rapid and flexible learning of all modules through a fully customized guide and the use of multimedia and interactive resources of great didactic value.





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*TECH's professors have created the most advanced educational syllabus on the market in relation to the optimal pharmaceutical products to address psychiatric problems for this Hybrid Professional Master's Degree"*

## Management



### Dr. Aguado Romo, Roberto

- ♦ President of the European Institute of Time-Limited Psychotherapy
- ♦ Psychologist in private practice
- ♦ Researcher in Time Limited Psychotherapy
- ♦ Guidance team coordinator for many schools
- ♦ Author of several books on Psychology
- ♦ Communicator Expert in Media Psychology
- ♦ Course and postgraduate studies teacher
- ♦ Master's Degree in Clinical and Health Psychology
- ♦ Specialist in Clinical Psychology
- ♦ Selective Dissociation Targeting Specialist



## Professors

### Dr. González Agüero, Mónica

- ♦ Psychologist in charge of the Department of Child and Adolescent Psychology in Quirónsalud Marbella Hospital and Avatar Psychologists
- ♦ Psychologist and Teacher at the European Institute of Time-Limited Psychotherapies (IEPTL)
- ♦ Degree in Psychology from the National University of Distance Education (UNED)

### Dr. Roldán, Lucía

- ♦ Health Psychologist
- ♦ Cognitive-behavioral intervention specialist
- ♦ Master in Time-Limited Psychotherapy and Health Psychology
- ♦ Expert in Energy Therapy Intervention

### Dr. Martínez Lorca, Manuela

- ♦ Health Psychologist
- ♦ Lecturer in the Department of Psychology at the University of Castilla La Mancha)
- ♦ Master's Degree in Time-Limited Psychotherapy and Health Psychology by the European Institute of Time-Limited Psychotherapies
- ♦ Specialist in Clinical Hypnosis and Relaxation
- ♦ Degree in Psychology
- ♦ Doctor of Medicine

### Dr. De Dios González, Antonio

- ♦ Director of Avatar Psychologists
- ♦ Director of the Psychology Department of Quirónsalud Marbella Hospital
- ♦ Director of the Clinical and Health Area of Iridia Hispania
- ♦ Trainer at the Spanish Red Cross
- ♦ Specialist in Clinical Hypnosis and Relaxation
- ♦ Specialist in Emotional Freedom Technique by the World Center for EFT
- ♦ Transpersonal Therapist in the Spanish School of Transpersonal Development
- ♦ Degree in Psychology at the Complutense University of Madrid
- ♦ Master's degree in Time-Limited Psychotherapy and Health Psychology in the European Institute of Time-Limited Psychotherapies
- ♦ Master's Degree in Neuro-Linguistic Programming in NLP- Richard Bandler's Society of Neuro-Linguistic Programming



*The best teachers in the field will turn you, through this academic program, into a prestigious expert, capable of mastering the most modern therapeutic considerations of Psychopharmacology"*

# 06

## Educational Plan

This syllabus, designed by the best experts, delves into the latest advances in pharmacology to respond to psychological and psychiatric problems that patients may face. Throughout this theoretical phase, the physician will explore the most advanced criteria of intervention through medications for Stress, Anxiety, Obsessive Compulsive Disorders, psychotic episodes, among others. At the same time, he will delve into the best combination strategies of these pharmaceutical products and which are their most frequent contraindications. To complete the assimilation of these contents, the specialist will have at his disposal innovative didactic methods such as *Relearning*.





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*Using multimedia resources and interactive summaries, you will assimilate the modules of this program in a fast and flexible way”*

### **Module 1. Pharmacology and Its Objectives in the Psychological Therapeutic Process**

- 1.1. Anthropological, Historical, Sociological and Psychological Perspective of the Use of Drugs
- 1.2. Objectives of Pharmacology
- 1.3. Concept of Pharmacology
- 1.4. Therapeutic Pharmacology
- 1.5. Pharmacodynamics
- 1.6. Pharmacokinetics
- 1.7. Plasma Level Curve
- 1.8. Toxicology
- 1.9. Social Aspects of the Drug
- 1.10. Medication Intervention Process
- 1.11. Information form for the Patient Who Is Going to Receive Psychopharmacological Treatment
- 1.12. Process for a Drug to Become Legal
- 1.13. Signs and Symptoms. Diseases and Syndromes

### **Module 2. Anamnesis and the Decision to Choose the Appropriate Drug**

- 2.1. Active Interview (CHSV)
- 2.2. Information Theory
- 2.3. Communication Channels
- 2.4. Communication System
- 2.5. Axioms of the Interview
- 2.6. It is Impossible Not To Communicate
- 2.7. Content and Relationship
- 2.8. Affective Value
- 2.9. Digital and Analog Communication
- 2.10. Symmetric and Asymmetric
- 2.11. Exploring Communication
- 2.12. Verbal Communication
- 2.13. Non-Verbal Communication
- 2.14. Double Bond
- 2.15. Psychopathology of Communication

- 2.16. A Gesture is Worth a Thousand Words
- 2.17. Medical History
- 2.18. General Structure of the Mental Examination
- 2.19. Semiology
- 2.20. Epistemology of Diagnosis
- 2.21. Some Special Types of Clinical Interviews

### **Module 3. Classification of Psychotropic Drugs**

- 3.1. Neurophysiological Bases of Mental Illness and Its Treatment
- 3.2. Antipsychotics and Neuroleptics
- 3.3. Anxiolytics and Sedatives
- 3.4. Antidepressants
- 3.5. Antimanic or Euthymic Drugs
- 3.6. Antiseizure Medications
- 3.7. Medications for Agitation
- 3.8. Pharmacotherapy of Confusion
- 3.9. Drugs for Dementia
- 3.10. Medication Against Deficiencies

### **Module 4. Pharmacological Intervention in Anxiety and Stress Disorders**

- 4.1. Anxiety or Panic Disorder
- 4.2. Agoraphobia
- 4.3. Social Phobia
- 4.4. Specific Phobias
- 4.5. Generalized Anxiety Disorder
- 4.6. Obsessive Compulsive Disorder and Related Disorders
- 4.7. Separation Anxiety Disorder
- 4.8. Adaptive Disorder
- 4.9. Dissociative Disorders
- 4.10. Somatic Symptom Disorders and Associated Conditions
- 4.11. Trauma and Stress-Related Disorders
- 4.12. Post-Traumatic Stress

## 4.13. Disinhibited Social Relationship Disorder

**Module 5. Intervention with Psychotropic Drugs in Depression, Eating Disorders, and Sleep Disorders**

- 5.1. Disruptive Mood Dysregulation Disorder
- 5.2. Major Depressive Disorder
- 5.3. Persistent Depressive Disorder (Dysthymia)
- 5.4. Premenstrual Dysphoric Disorder
- 5.5. Substance-Induced Depressive Disorder
- 5.6. Pica
- 5.7. Rumination Disorder
- 5.8. Food Avoidance Disorder
- 5.9. Anorexia Nervosa
- 5.10. Bulimia Nervosa
- 5.11. Binge Eating Disorder
- 5.12. Insomnia
- 5.13. Hypersomnia
- 5.14. Narcolepsy
- 5.15. Obstructive Sleep Apnea
- 5.16. Sleep-Related Hypoventilation
- 5.17. Non-REM Sleep Awakening Disorders
- 5.18. Nightmare Disorder
- 5.19. Restless Leg Syndrome

**Module 6. Pharmacotherapy of Psychosis and Dementias**

- 6.1. Schizophrenia and Schizophreniform Psychoses
- 6.2. Delusional Disorder
- 6.3. Brief Psychotic Disorder
- 6.4. Substance-Induced Psychotic Disorder
- 6.5. Catatonia
- 6.6. Bipolar Disorder
- 6.7. Cyclothymic Disorder
- 6.8. Delirium

- 6.9. Alzheimers Disease
- 6.10. Frontotemporal Lobe Degeneration
- 6.11. Dementia due to Brain Trauma
- 6.12. Vascular Dementia
- 6.13. Dementia Due to Parkinson's Disease
- 6.14. Dementia due to Huntington's Disease
- 6.15. Personality Disorders
- 6.16. Latrogenia

**Module 7. Drugs Used in the Pain Unit**

- 7.1. Clinical History of the Pain Patient
- 7.2. Psychosocial Approach Chronic Pain
- 7.3. Patient-Controlled Analgesia (PCA)
- 7.4. Pain in Polytraumatic Patients
- 7.5. Pain in Severe Burns
- 7.6. Headaches and Facial Pain
- 7.7. Treatment of Neuralgia
- 7.8. Treatment of Oncologic Pain
- 7.9. Pain and Terminal Sedation
- 7.10. Fibromyalgia



*Master the latest theoretical trends in Psychopharmacology using innovative didactic methods such as Relearning"*

07

# Clinical Internship

Specialists in Psychopharmacology will have the opportunity to improve their practical skills in renowned hospital centers, through a practical and face-to-face internship of the utmost rigor. This will allow them to keep up to date with the latest scientific and technological research, and to work with highly reputable experts.



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*Through TECH, you will be able to link to hospital institutions specialized in Psychopharmacology, located in different geographical locations"*

The clinical internship of this educational program will take place in a first class hospital environment, where physicians will be able to apply their theoretical knowledge in real situations. Therefore, they will be updated on how to evaluate the clinical response of patients to Antipsychotics, Anticonvulsants and Antidepressants. At the same time, they will be able to provide a personalized follow-up to patients with different pathologies.

The stay will have a duration of 3 weeks, in days of 8 consecutive hours, from Monday to Friday. At all times, the specialist will be supervised by an assistant tutor, who will be responsible for advising their academic progress. At the same time, he will collaborate with a team of highly prestigious experts and will discuss with them the most effective pharmacological strategies to specifically address psychological and psychiatric problems.

The practical part will be carried out with the active participation of the student performing the activities and procedures of each area of skill (learning to learn and learning to do), with the accompaniment and guidance of teachers and other fellow trainees who facilitate teamwork and multidisciplinary integration as transversal skills for medical praxis (learning to be and learning to relate).

The procedures described below will be the basis of the practical part of the training, and their implementation is subject to both the suitability of the patients and the availability of the center and its volume of work, the proposed activities being the following:





Module	Practical Activity
<b>Latest trends in evaluating the psychotropic drug that best fits the patient's psychiatric diagnosis</b>	Develop an Active Interview with the patient, defining his symptoms, communicative and cognitive deficiencies, among other psychiatric features of the patient
	Verify, by means of clinical examinations, if the patient has excesses of Dopamine, or an elevated sensitivity to this neurotransmitter, as part of the evaluation of the Dopaminergic Hypothesis for possible Schizophrenia
	Measure amyloid and tau protein levels to determine if the patient suffers from vascular dementias, Alzheimer's disease or other similar disorders
	Study specific neurotransmitters and their expression in the patient to choose specific treatments
<b>Psychopharmacology in Anxiety and Stress Disorders</b>	Evaluate in the patient with generalized Anxiety Disorder the relevance of drugs from the group of selective Serotonin reuptake inhibitors or Serotonin and Norepinephrine reuptake inhibitors
	Indicate pharmacological therapies against Obsessive Compulsive Disorder for children, such as Clomipramine, taking into account the age recommendations for intake required by the manufacturer of the product
	Monitor side effects that may appear in patients after discussing psychopharmacological treatment and prevent interactions with other substances such as other medications or herbal supplements
<b>Psychopharmacology in Depression, eating disorders and sleep disorders</b>	Prescribe selective Serotonin Reuptake Inhibitors for patients with Persistent Depressive Disorder
	Approach the patient with Major Depressive Disorder with tricyclic Antidepressants
	Contraindicate the use of antidepressants in pregnant women and nursing mothers, according to the risk conditions for the unborn or breastfeeding child
	Initiate treatments with Mirtazapine for patients with Anorexia, since the latest scientific evidence shows improvements for the pathology through this psychotropic drug, both in weight and mood recovery
	Control the convulsions of unrestrained appetite through drugs such as Topiramate
Use treatments with nocturnal benzodiazepines, particularly Clonazepam, against non-REM sleep arousal disorders	

Module	Practical Activity
<b>Psychopharmacology in Psychosis and Dementias</b>	Evaluate the use of some antiepileptic drugs in patients with schizophrenia and schizophreniform psychoses
	Apply combinations of psychotropic drugs such as mood Stabilizers, Anticonvulsants, atypical Antipsychotics in patients with Bipolar Disorder
	Use Cholinesterase Inhibitors to increase and control levels of a neurotransmitter involved in the memory and sense of reality in patients diagnosed with Dementia
<b>Medication Used in the Pain Unit</b>	Indicate the use of Patient-Controlled Analgesia pumps for patients in palliative care for cancer
	Treating patients with Neuralgias through pain medications in the form of patches or skin creams
	Combining the use of antidepressants and anticonvulsants in the Fibromyalgia patient
	Implementing the use of opioids and adjuvant analgesics in the strategies for patients facing imminent death



*The activities of this clinical practice will enable you to update your professional practice by implementing the most recent techniques and therapeutic protocols of Psychopharmacology"*

## Civil Liability Insurance

This institution's main concern is to guarantee the safety of the trainees and other collaborating agents involved in the internship process at the company. Among the measures dedicated to achieve this, is the response to any incident that may occur during the entire teaching-learning process.

To this end, this entity commits to purchasing a civil liability insurance policy to cover any eventuality that may arise during the course of the internship at the center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. That way professionals will not have to worry in case of having to face an unexpected situation and will be covered until the end of the internship program at the center.



## General Conditions of the Internship Program

The general terms and conditions of the internship agreement for the program are as follows:

**1. TUTOR:** During the Hybrid Professional Master's Degree, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.

**2. DURATION:** The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

**3. ABSENCE:** If the students does not show up on the start date of the Hybrid Professional Master's Degree, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor.

**4. CERTIFICATION:** Professionals who pass the Hybrid Professional Master's Degree will receive a certificate accrediting their stay at the center.

**5. EMPLOYMENT RELATIONSHIP:** The Hybrid Professional Master's Degree shall not constitute an employment relationship of any kind.

**6. PRIOR EDUCATION:** Some centers may require a certificate of prior education for the Hybrid Professional Master's Degree. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed.

**7. DOES NOT INCLUDE:** The Hybrid Professional Master's Degree will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

# 08

## Where Can I Do the Clinical Internship?

This Hybrid Professional Master's Degree contemplates a first level clinical practice, from a hospital institution endorsed by its wide prestige in the field of Psychopharmacology. From the institution, the specialist will be able to apply advanced therapeutic skills and procedures on real patients. Each of these interventions will be discussed and analyzed together with a distinguished team of experts. This stage, face-to-face and intensive, will last 3 weeks and, at the beginning, the physician will be able to choose the health facility that best suits his geographical location.





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*Do not miss the opportunity to enroll in an academic modality that integrates the theoretical and practical study of Psychopharmacology with the greatest rigor and demand”*



The student will be able to complete the practical part of this Hybrid Professional Master's Degree at the following centers:



Medicine

### Hospital HM Modelo

Country	City
Spain	La Coruña

Address: Rúa Virrey Osorio, 30, 15011, A Coruña

Network of private clinics, hospitals and private specialized centers distributed throughout Spain

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine

### Hospital HM Rosaleda

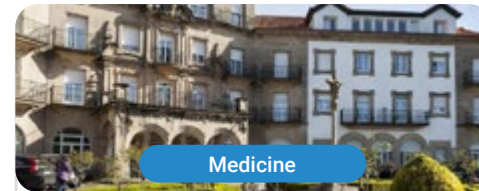
Country	City
Spain	La Coruña

Address: Rúa de Santiago León de Caracas, 1, 15701, Santiago de Compostela, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Hair Transplantation
- Orthodontics and Dentofacial Orthopedics



Medicine

### Hospital HM La Esperanza

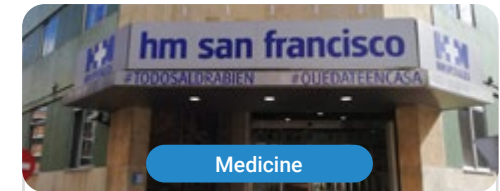
Country	City
Spain	La Coruña

Address: Av. das Burgas, 2, 15705, Santiago de Compostela, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Oncology Nursing
- Clinical Ophthalmology



Medicine

### Hospital HM San Francisco

Country	City
Spain	León

Address: C. Marqueses de San Isidro, 11, 24004, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Trauma Nursing



Medicine

### Hospital HM Regla

Country	City
Spain	León

Address: Calle Cardenal Landázuri, 2, 24003, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Update on Psychiatric Treatment in Minor Patients



Medicine

### Hospital HM Nou Delfos

Country	City
Spain	Barcelona

Address: Avinguda de Vallcarca, 151, 08023 Barcelona

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Aesthetic Medicine
- Clinical Nutrition in Medicine



Medicine

### Hospital HM Madrid

Country	City
Spain	Madrid

Address: Pl. del Conde del Valle de Súchil, 16, 28015, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Palliative Care
- Anaesthesiology and Resuscitation



Medicine

### Hospital HM Montepíncipe

Country	City
Spain	Madrid

Address: Av. de Montepíncipe, 25, 28660, Boadilla del Monte, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Palliative Care
- Aesthetic Medicine



Medicine

### Hospital HM Torrelodones

Country: Spain  
City: Madrid

Address: Av. Castillo Olivares, s/n, 28250, Torrelodones, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine

### Hospital HM Sanchinarro

Country: Spain  
City: Madrid

Address: Calle de Oña, 10, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine

### Hospital HM Nuevo Belén

Country: Spain  
City: Madrid

Address: Calle José Silva, 7, 28043, Madrid

Network of private clinics, hospitals and private specialized centers distributed throughout Spain

**Related internship programs:**

- General and Digestive System Surgery
- Clinical Nutrition in Medicine



Medicine

### Hospital HM Puerta del Sur

Country: Spain  
City: Madrid

Address: Av. Carlos V, 70, 28938, Móstoles, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Palliative Care
- Clinical Ophthalmology



Medicine

### Policlínico HM La Paloma

Country: Spain  
City: Madrid

Address: Calle Hilados, 9, 28850, Torrejón de Ardoz, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Advanced Operating Room Nursing
- Orthodontics and Dentofacial Orthopedics



Medicine

### Policlínico HM Sanchinarro

Country: Spain  
City: Madrid

Address: Av. de Manoteras, 10, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Psychopharmacology



Medicine

### Policlínico HM Virgen del Val

Country: Spain  
City: Madrid

Address: Calle de Zaragoza, 6, 28804, Alcalá de Henares, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain

**Related internship programs:**

- Diagnosis in Physiotherapy
- Physiotherapy in Early Care

09

# 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 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, trying to recreate the real conditions in the physician'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. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
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. 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.

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.

*Professionals 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 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 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. 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 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 (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.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical 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.





#### 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 on the usefulness of learning by observing experts. The system known as 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.



# 10 Certificate

This Hybrid Professional Master's Degree in Psychopharmacology guarantees, in addition to the most rigorous and updated training, access to a Hybrid Professional Master's Degree issued by TECH Global University.





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*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 **Hybrid Professional Master's Degree diploma in Psychopharmacology** 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: **Hybrid Professional Master's Degree in Psychopharmacology**

Course Modality: **Hybrid (Online + Clinical Internship)**

Duration: **12 months**

Certificate: **TECH Global University**

Recognition: **60 + 5 ECTS Credits**



\*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.



## Hybrid Professional Master's Degree

### Psychopharmacology

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Global University

60 + 5 créditos ECTS

# Hybrid Professional Master's Degree Psychopharmacology

