



Complex Chronic Patient Care

» Modality: online

» Duration: 6 months

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-complex-chronic-patient-care

Index

 $\begin{array}{c|c} \textbf{Introduction} & \textbf{Objectives} \\ \hline \textbf{03} & \textbf{04} & \textbf{05} \\ \hline \textbf{Course Management} & \textbf{Structure and Content} & \textbf{Methodology} \\ \hline \textbf{p. 12} & \textbf{p. 16} & \textbf{0.22} \\ \hline \end{array}$

06 Certificate

p. 30





tech 06 | Introduction

In today's healthcare landscape, the management of the complex chronic patient presents an increasingly pressing challenge. The increasing prevalence of chronic diseases has generated a critical demand for professionals capable of adapting to the complexity and clinical diversity inherent in this group of patients. In response to this need, the present curriculum stands as a fundamental solution. By addressing the clinical adaptability argument, this academic pathway will focus on equipping students with specific skills to establish diagnostic strategies and therapeutic protocols, considering crucial factors such as polypharmacy and frailty.

Throughout the development of the syllabus, the Postgraduate Diploma will offer a deep immersion in the models of care for the Complex Chronic Patient, examining their application at various levels of care. In addition, the patient will be analyzed within a bio-psycho-social model, oriented towards a more timely and personalized action. The compilation of tools, such as the Integrative Global Vision (IGV), as well as the understanding of key aspects of oncological and hematological pathologies, will ensure a complete and relevant knowledge for clinical practice.

Regarding the learning system, this program is delivered entirely online, providing professionals with the flexibility to adapt to their schedules. In addition, the *Relearning* methodology, based on the repetition of key concepts to fix knowledge, facilitates effective and long-lasting learning. This combination of accessibility and innovative pedagogical approach will ensure that participants acquire practical skills to excel in the management of the Complex Chronic Patient in dynamic clinical settings.

This **Postgraduate Diploma in Complex Chronic Patient Care** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The development of case studies presented by experts in Complex Chronic Patient Care
- The graphic, schematic and practical contents with which it is conceived, collect scientific and practical information on those disciplines that are essential for professional practice
- Practical exercises where self-assessment can be used 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 design individualized plans for preventive and therapeutic updating, in order to achieve the highest degree of independence for your patients"



You will delve into the Comprehensive Geriatric Assessment (CGA) in the Complex Chronic Patient, through the most innovative multimedia content"

The program's teaching staff includes professionals from the field 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 during the academic year For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

Take advantage of the opportunity and take the step to get up to date on the latest trends in preventive/therapeutic strategies.

Forget about memorizing! With the Relearning system you will integrate the concepts in a natural and progressive way.







tech 10 | Objectives



General Objectives

- Determine the particular needs of the complex chronic patient when receiving health care
- Delve into different models of health care for complex chronic patients
- · Assess different strategies of care for complex chronic patients
- Establish opportunities for change at different levels of care in providing care to the complex chronic patient
- Provide a rationale for the Comprehensive Geriatric Assessment (CGA) as a set of tools that allow a diagnostic approach to the complex chronic patient
- Analyze the main Geriatric Syndromes and their clinical and social importance
- Determine the inherent characteristics of the complex chronic patient requiring an "alternative" approach to the "classical" medical approach
- Establish clear objectives and design individualized plans for preventive and therapeutic updating
- Examine the medical problems common to most chronic and complex patients
- Present complementary therapies to the pharmacological approach
- Promote the patient-centered approach
- Delve into the legal basis and bioethical aspects of the care of patients with chronic illnesses





Specific Objectives

Module 1. Care Models and Aspects in the Complex Chronic Patient

- Compile the most widely used models of complex chronic patient care
- Examine the most widely used models of care for the complex chronic patient and delve into their application at different levels of care
- Determine the most relevant levels of care for the care of the complex chronic patient

Module 2. Complex Chronic Elderly Patient Comprehensive Geriatric Assessment (CGA) and Geriatric Syndromes

- Compile the main tools that make up the CGA and their correct use
- Analyze the complex chronic patient within a bio-psycho-social model that guides us towards a more timely action
- Establish strategies for preventive/therapeutic action and ensure appropriate use of resources

Module 3. Transversal Skills in the Complex Chronic Patient

- Compile the key aspects of oncological and hematological pathologies, as well as the approach to pain
- Identify physical injuries associated with dependency
- Optimize the pharmacological management of complex chronic patients
- Present the main legal and bioethical aspects necessary to achieve quality and patient-centered care







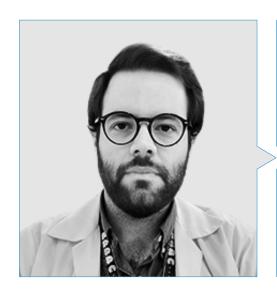
tech 14 | Course Management

Management



Dr. Romero Pareja, Rodolfo

- Specialist in Family and Community Medicine
- Medical Director at the Emergency Hospital Nurse Isabel Zenda
- Area Physician, Emergency Department, at the University Hospital of Getafe
- Collaborator of working groups in programs of Medicine; Health Management and Planning for Health Managers; and Emergency and Critical Care
- Doctor of Medicine, University of Oviedo
- Master's Degree in Emergency Medicine from the Complutense La University of Madrid
- Master in Medical Management and Clinical Management by the National School of Health, Instituto Salud Carlos II nd Universidad Nacional Educación a Distancia
- Degree in Medicine and Surgery from the Complutense University of Madrid



Dr. Tejedor López, Luis

- Specialist in Geriatrics
- Specialist Physician in Geriatrics, Emergency Hospital Nurse Isabel Zendal
- Medical Case Manager. HealthMotiv S.L
- President of the MIR Association Spain
- Master's Degree in Support Treatment and Palliative Care in Oncology Patients, Isabel I University
- MBA in Health Management and Administration from the European School of Health Education
- Medical Specialist in Geriatrics via MIR
- Degree in Medicine from the University of Navarra

Professors

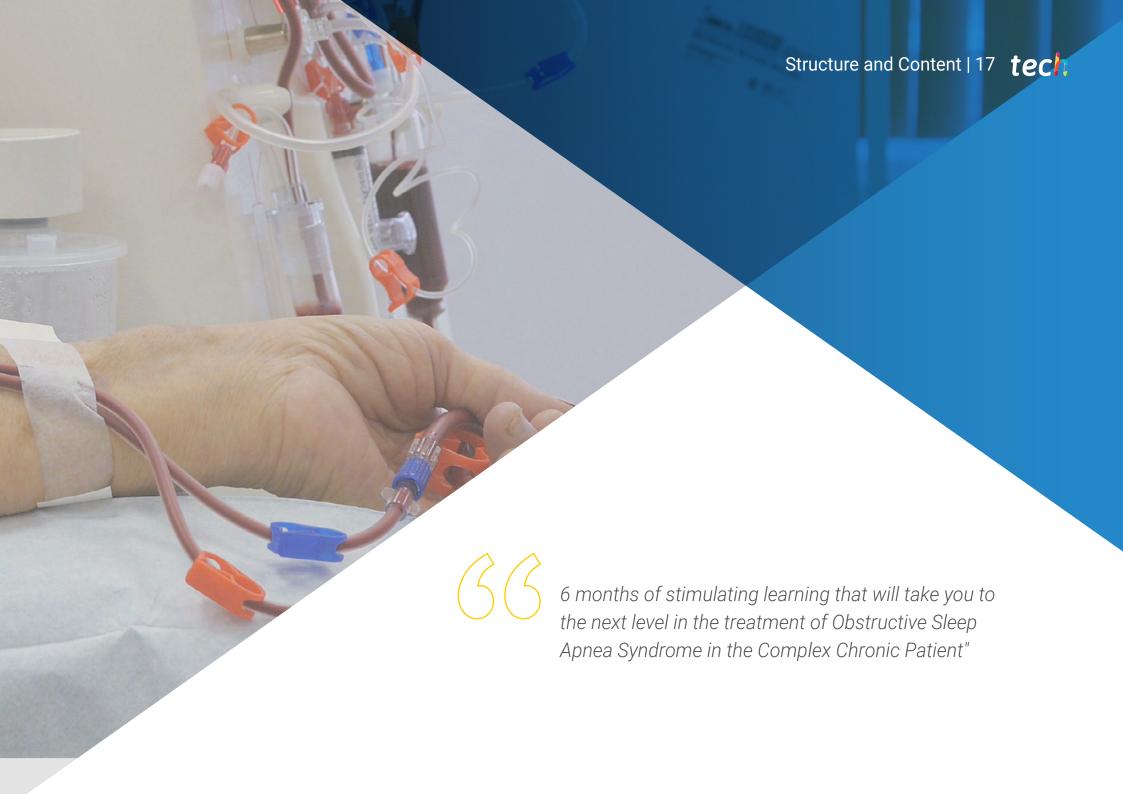
Dr. Pérez Sanz, María Teresa

- Specialist in Internal Medicine
- Specialist in Internal Medicine at the Hospital Universitario del Sureste
- Collaborator in practical teaching in the Department of Medicine of the Faculty of Medicine of the Complutense University of Madrid
- Participation in the evaluation of the ECOE (Objective Structured Clinical Examination) of the Complutense University of Madrid, at the Hospital 12 de Octubre
- University Master in Infectious Diseases and International Health from the Miguel Hernández University
- Degree in Medicine from the University of Zaragoza

Dr. Quiñónez Barreiro, Fabio Augusto

- Specialist in Geriatrics and Gerontology
- Specialist Geriatrics Physician at the Virgen del Valle Hospital
- On-call Geriatrician at the Emergency Hospital Nurse Isabel Zendal
- Geriatrician at Quirón Salud, Tres Culturas Hospital
- On-call Physician in the Emergency Department at Hospital Virgen de la Salud
- Master's Degree in Psychogeriatrics from the Autonomous University of Barcelona
- Degree in Medicine from the Latin American School of Medicine (ELAM)





tech 18 | Structure and Content

Module 1. Care Models and Aspects in the Complex Chronic Patient

- 1.1. The Complex Chronic Patient
 - 1.1.1. Comorbidity
 - 1.1.2. Temporal
 - 1.1.3. Fragility for
 - 1.1.4. Dependency
- 1.2. International Strategies in Complex Chronic Patient Care
 - 1.2.1. International Health Policies
 - 1.2.2. Examples of Strategies at the International Level
 - 1.2.3. International Programs for Addressing Chronicity
- 1.3. High Complexity Clinical Processes in the Chronic Patient
 - 1.3.1. High Complexity Process
 - 1.3.2. High Complexity Clinical Processes at the Community Level
 - 1.3.3. High Complexity Clinical Processes at the Hospital Level
 - 1.3.4. High Complexity Clinical Processes at the Socio-Sanitary Level
- 1.4. Care Management Models
 - 1.4.1. Person-Centered Care
 - 1.4.2. Shared Care Models
 - 1.4.3. Information Communication Technologies
 - 1.4.4. Integrated Management and Sustainability
- 1.5. Complex Chronic Patient Safety
 - 1.5.1. Complex Chronic Patient Safety. Challenges
 - 1.5.2. Patient Safety Strategies at the International Level
 - 1.5.3. Implementation of Patient Safety Strategies. Examples
- 1.6. Interdisciplinary Coordination according to the Needs of the Complex Chronic Patient
 - 1.6.1. Needs Identification for Complex Chronic Patients
 - 1.6.2. Establishment of an Interdisciplinary Care Plan
 - 1.6.3. Management of an Interdisciplinary Team
 - 1.6.4. Clinical Leadership





Structure and Content | 19 tech

- 1.7. Self-Care and Health Education in Chronicity
 - 1.7.1. Advanced Aspects of Self-Care
 - 1.7.2. Role of Self-Care in Chronicity
 - 1.7.3. Public Strategies for Health Education
 - 1.7.4. Public Strategies for the Promotion of Self-care
- 1.8. Ethical and Social Aspects
 - 1.8.1. Socioeconomic Impact of Comorbidity and Chronicity
 - 1.8.2. Physician-Patient Relationship
 - 1.8.3. Equity and Access to Health Care
 - 1.8.4. Discrimination
- 1.9. Information and Communication Technologies in Complex Chronic Patient Care
 - 1.9.1. Telemonitoring and Remote Follow-up of the Complex Chronic Patient
 - 1.9.2. Integration of Information Systems
 - 1.9.3. Digital Education and Self-Management
 - 1.9.4. Ethics and Privacy in the Digital Age
- 1.10. Artificial Intelligence in Complex Chronic Patient Care
 - 1.10.1. Artificial Intelligence in Complex Chronic Patient Care
 - 1.10.2. International Regulation on Artificial Intelligence Applied to Health Care
 - 1.10.3. Artificial Intelligence Tools for Professionals
 - 1.10.4. Artificial Intelligence Tools for Patients

Module 2. Complex Chronic Elderly Patient Comprehensive Geriatric Assessment (CGA) and Geriatric Syndromes

- 2.1. Comprehensive Geriatric Assessment (CGA) in the Complex Chronic Patient
 - 2.1.1. Comprehensive Geriatric Assessment of the Complex Chronic Patient
 - 2.1.2. Components of the Comprehensive Geriatric Variation. Data Science
 - 2.1.3. Decision Making
- 2.2. Functional Assessment and Frailty in the Elderly as a Complex Chronic Patient
 - 2.2.1. Functional Assessment in the Complex Chronic Elderly Patient
 - 2.2.2. Scales and Tools for Functional Measurement
 - 2.2.3. Strategies to Improve Functional Function and Prevent Complications

tech 20 | Structure and Content

- 2.3. Cognitive/affective Assessment in the Elderly as a Complex Chronic Patient
 - 2.3.1. Cognitive/affective Assessment in the Complex Chronic Elderly Patient
 - 2.3.2. Cognitive Changes
 - 2.3.3. Cognitive/affective Assessment Scales: Use and Interpretation
- 2.4. Nutritional Assessment in the Complex Chronic Elderly Patient
 - 2.4.1. Nutritional Assessment in the Complex Chronic Elderly Patient
 - 2.4.2. Eating Behavior Patterns
 - 2.4.3. Measurement Tools: Physical and Biochemical Parameters of Nutrition
 - 2.4.4. Importance of a Correct Nutritional Assessment
 - 2.4.5. Nutritional Intervention according to Individual Needs in the Malnourished Complex Chronic Elderly Patient
- 2.5. Chronic Diseases and Comorbidities. Evaluation and Management
 - 2.5.1. Impact of Chronic Diseases in Complex Elderly Patients
 - 2.5.2. Addressing Comorbidities
 - 2.5.3. Evaluation and Integrated Management
- 2.6. Polypharmacy and Treatment Optimization
 - 2.6.1. Polypharmacy: Definition and Implications
 - 2.6.2. Strategies to Optimize Medication
 - 2.6.3. Strategies to Minimize Adverse Effects
- 2.7. Prevention and Management of Falls in the Complex Chronic Elderly Patient
 - 2.7.1. Identification of Risk Factors
 - 2.7.2. Prevention strategies
 - 2.7.3. Evaluation and Orientation towards Post-fall Rehabilitative Therapy
- 2.8. Management of Geriatric Syndromes Specific for Complex Chronic Patients
 - 2.8.1. Geriatric Syndromes in Clinical Practice
 - 2.8.2. Tools for Assessment
 - 2.8.3. Management and Prevention Strategies
- 2.9. Social Assessment in the Complex Chronic Elderly Patient
 - 2.9.1. Social Assessment in the Chronic Elderly Patient
 - 2.9.2. Role of the Family in Caregiving and Identification of Support Networks
 - 2.9.3. Multidisciplinary Coordination for the Development of a Comprehensive Care Plan
 - 2.9.4. Discharge Planning and Continuity of Care in the Chronic Elderly Patient

- 2.10. Ethics in the Care of the Complex Chronic Elderly Patient
 - 2.10.1. Ethical Principles in the Care of the Complex Chronic Elderly Patient
 - 2.10.2. Ethical Challenges in Care Decisions
 - 2.10.3. Importance of Autonomy and Respect in Geriatric Care

Module 3. Transversal Skills in the Complex Chronic Patient

- 3.1. Oncologic and Hematologic Pathology in the Complex Chronic Patient
 - 3.1.1. Management of Non-hematological Oncological Pathologies in the Complex Chronic Patient
 - 3.1.2. Management of Oncohematologic Pathologies in the Complex Chronic Patient
 - 3.1.3. Management of Other Hematologic Pathologies in this Type of Patient
 - 3.1.4. Care of Patients with Advanced Cancer
- 3.2. Injuries Associated with Dependency in the Complex Chronic Patient
 - 3.2.1. Management of Muscular Atrophy in Complex Chronic Patients
 - 3.2.2. Management of Skin Lesions in the Complex Chronic Patient
 - 3.2.3. Decreased Vital Capacity. Respiratory Disorders in this Type of Patient
- 3.3. Management of Pain in the Complex Chronic Patient
 - 3.3.1. Classification of Analgesics
 - 3.3.2. Breakthrough Pain Management
 - 3.3.3. Opioid Rotation
 - 3.3.4. Interventional Measures
- 8.4. Polypharmacy. Adherence to Treatment
 - 3.4.1. Polypharmacy. Selection of the Main Medications
 - 3.4.2. Adherence to Treatment. Strategies for Improvement
 - 3.4.3. STOPP/START Criteria
- 3.5. Complementary Therapies, Nutrition and Psychotherapy in the Complex Chronic Patient
 - 3.5.1. Complementary Therapies Scientific Evidence
 - 3.5.2. Nutrition in the Complex Chronic Patient
 - 3.5.3. Assessment of the Nutritional Status of the Complex Chronic Patient
 - 3.5.4. Nutritional Requirements
 - 3.5.5. Management of Diseases and Specific Situations in the Complex Chronic Patient
 - 3.5.6. Mental Illness in the Chronic Patient. Cognitive-Behavioral



Structure and Content | 21 tech

- 3.6. Physical Exercise and Functional Capacity. Rehabilitation Medicine in the Chronic Patient
 - 3.6.1. Benefits of Physical Exercise
 - 3.6.2. Physical Exercise Programs
 - 3.6.3. Rehabilitative Therapy. Types and Objectives
- 3.7. Role of Communication and Information Technologies (ICTs) in the Complex Chronic Patient
 - 8.7.1. Resources for Professionals. Complementary Models for Clinical Practice
 - 3.7.2. Resources for Patients
 - 3.7.3. Health Data Management. Artificial Intelligence and Data Analysis
- 3.8. Care and Social Aspects of the Complex Chronic Patient
 - 3.8.1. Family Support and Support Network
 - 3.8.2. Adaptations in the Environment
 - 3.8.3. Social Needs Assessment. Accessing Social Resources. Community and Work Integration Programs
 - 3.8.4. Patient Empowerment. Support Groups
- 3.9. Disease Management and Palliative Care in the Complex Chronic Patient. Advanced Care Planning
 - 3.9.1. Individualized and Coordinated Care Plan
 - 3.9.2. Education of the Patient and the Patient's Environment
 - 3.9.3. Palliative Care. Objectives and Models
 - 3.9.4. Advanced Care Planning
- 3.10. Bioethical Aspects in Relation to the Chronic Patient. Limitation of Therapeutic Effort. Euthanasia
 - 3.10.1. Bioethical Principles. Integration in Clinical Practice, Research, Use of Technology
 - 3.10.2. Therapeutic Effort Limitation
 - 3.10.3. Ethical Dilemmas
 - 3.10.4. Euthanasia





tech 24 | Methodology

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.



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:

- 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.



Methodology | 27 tech

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.

tech 28 | Methodology

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

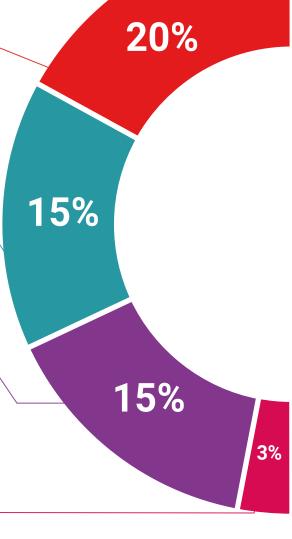
TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many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

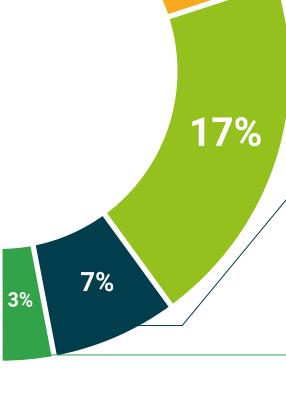
The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



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.









tech 32 | Certificate

This **Postgraduate Diploma in Complex Chronic Patient Care** contains the most complete and up-to-date scientific on the market.

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

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

Title: Postgraduate Diploma in Complex Chronic Patient Care
Official N° of Hours: **450 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.

Postgraduate Diploma

Complex Chronic Patient Care

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

