

# Hybrid Professional Master's Degree Intensive Care Nursing



## Hybrid Professional Master's Degree Intensive Care Nursing

- » Modality: Hybrid (Online + Clinical Internship)
- » Duration: 12 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitute.com/in/nursing/hybrid-professional-masters-degree/hybrid-professional-intensive-care-nursing](http://www.techtitute.com/in/nursing/hybrid-professional-masters-degree/hybrid-professional-intensive-care-nursing)

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# 01

# Introduction

The serious conditions faced by nursing professionals in care units underscore the relevance of the nursing role and the increased level of responsibility they acquire in their professional practice. The patient's condition makes it necessary to implement care with precision, both in techniques and interventions throughout the care process. A constant updating of nursing professionals is essential to ensure the best practice, so TECH has created this program, which combines the most advanced theory with a practical stay of 3 weeks in a high level hospital center. The nurse will be accompanied at all times by a specialized team, which will guide them during their practical stay in the most relevant procedures of Intensive Care Nursing.



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*This TECH Hybrid Professional Master's Degree gives you the opportunity not only to acquire the most up to dated theoretical knowledge, but also to put it into action with an internship in a prestigious hospital"*

The provision of professional healthcare services within the area of critical care requires the acquisition of a highly specific set of knowledge and skills. Critical patient care is Besides one of the most evolving areas in the healthcare world. It is essential, therefore, that the nursing professional is able to respond adequately to these advances in scientific and technological knowledge by constantly updating their knowledge.

The objective of the Hybrid Professional Master's Degree in Intensive Care Nursing is to cover the updating space demanded by professionals interested in the area, seeking usefulness in routine clinical practice and encouraging high-level research in the aspects covered. The content of this program is focused, on the one hand, on the detailed updating of nursing professionals for the provision of care in intensive care areas, whose functions require high levels of qualification and, on the other hand, to initiate their activity as professionals in the field of research. The content of this program is focused, on the one hand, on the detailed updating of nursing professionals for the provision of care in intensive care areas, whose functions require high levels of qualification and, on the other hand, to initiate their activity as professionals in the field of research.

Intensive care nurses must also have a broad knowledge of the available means and equipment, their applications and complications, so that they can be used in each specific situation. To ensure this knowledge, the contents of the Hybrid Professional Master's Degree in Intensive Care Nursing include the most recent information on procedures, practice guidelines and the use of the most effective clinical means, with a clear focus on the subsequent practical stay of the nurse.

Therefore, this program is the perfect opportunity to combine the most advanced nursing theory in the field of Intensive Care with a practical stay of the highest level, having the possibility to be directly involved in multidisciplinary teams of this branch and receiving the advice of highly trained professionals in critical care in patients with all kinds of pathologies.pathologies.

This **Hybrid Professional Master's Degree in Intensive Care Nursing** contains the most complete and updated scientific program on the market. Its most notable features are:

- ◆ Development of more than 100 clinical cases presented by nursing professionals with expertise in intensive care and university professors with extensive experience in the critical patient
- ◆ 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
- ◆ Assessment and monitoring of the critically ill patient, the latest international recommendations on life support maneuvers; critical care in patients with neurological, cardiovascular, respiratory disorders; care of the severe trauma patient in intensive care, pharmacology and transport in the critically ill patient, etc
- ◆ Comprehensive systematized action plans for the main pathologies in the intensive care unit. in the intensive care unit
- ◆ Presentation of practical workshops on procedures, diagnosis, and treatment techniques in critical patients
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ◆ Practical clinical guides on approaching different pathologies
- ◆ With a special emphasis on evidence-based medicine and research methodologies in Intensive Care Nursing
- ◆ 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 hospital centers

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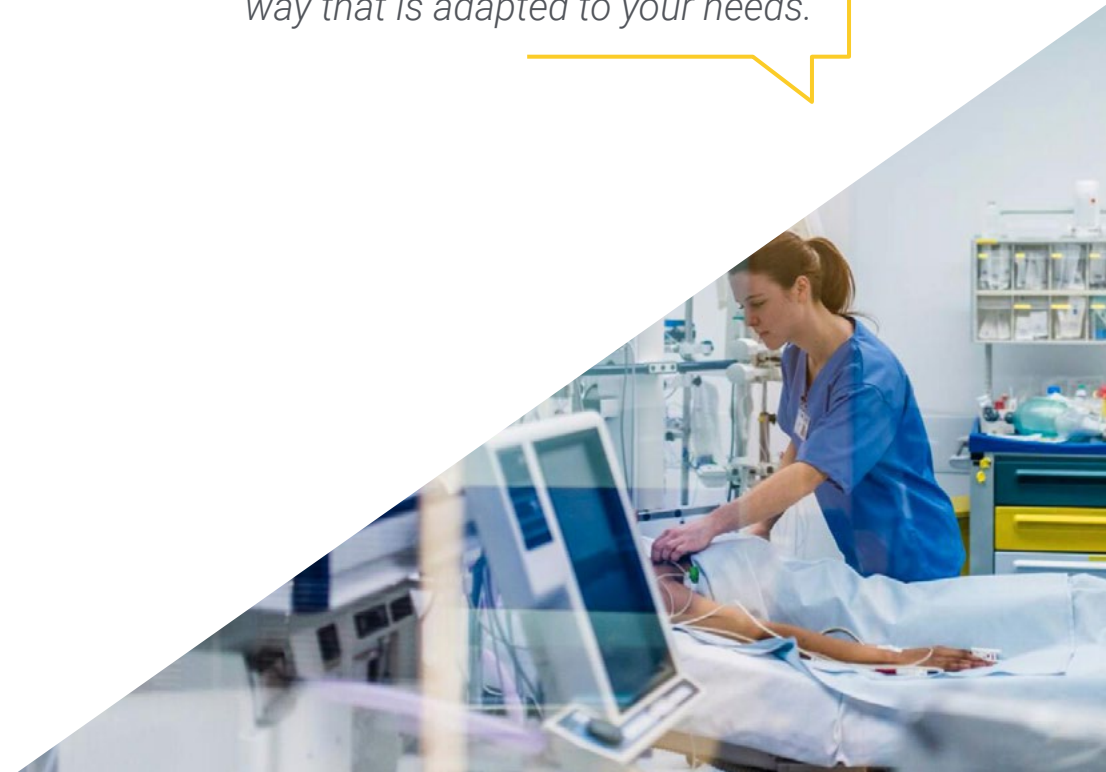
*Take a 3-week intensive stay in a hospital and acquire all the practical knowledge to grow personally and professionally”*

In this proposed Master's Degree, of a professionalizing nature and blended learning modality, the program is aimed to up to date nursing professionals who perform their functions in intensive care units, and who require a high level of qualification. The contents are based on the latest scientific evidence, and oriented in a didactic way to integrate theoretical knowledge in nursing 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 developed with the latest educational technology, they will allow the nursing professional 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 professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*This Hybrid Professional Master's Degree allows you to exercise in simulated environments, which provide immersive learning programmed to train in real situations.*

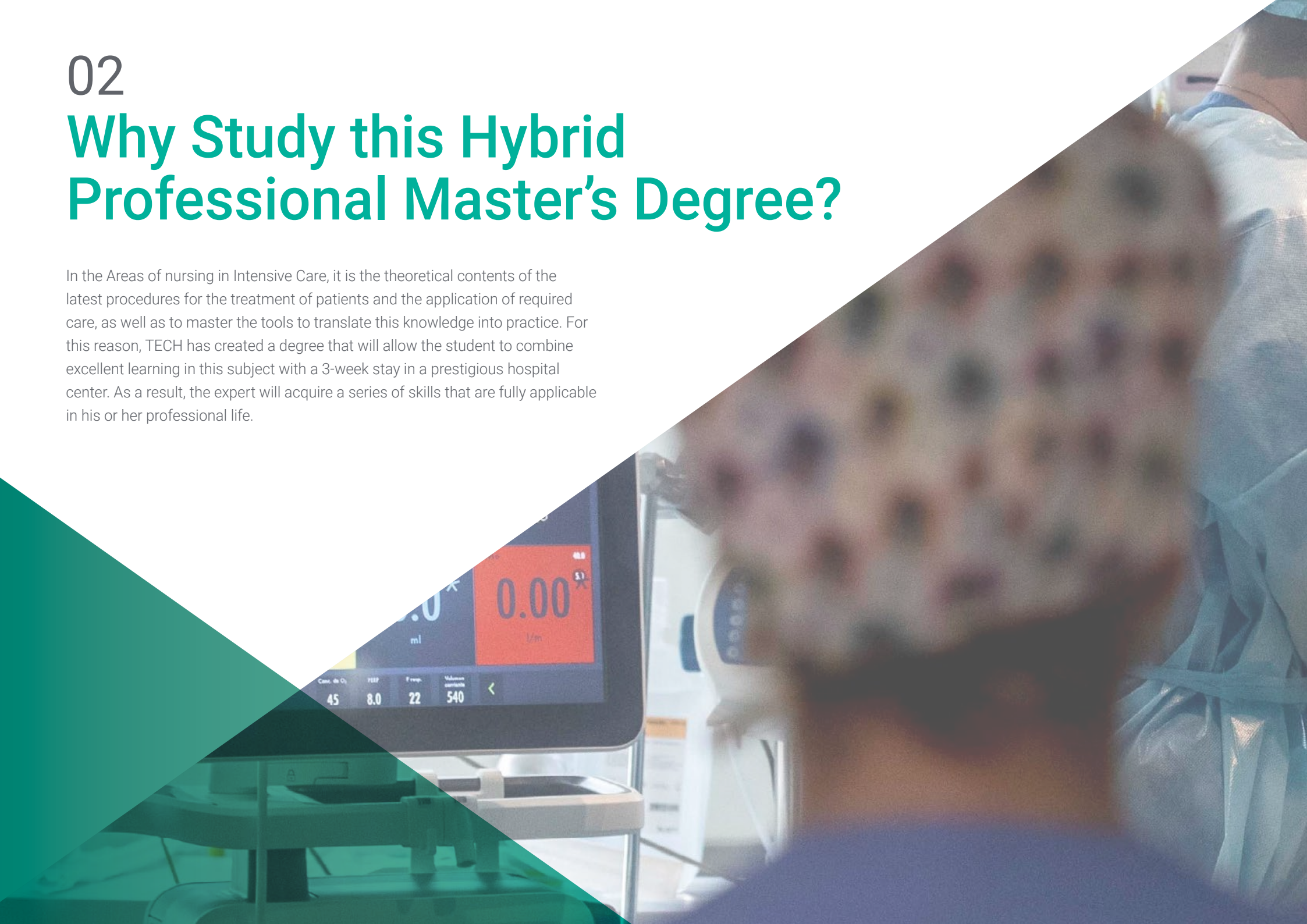
*Up to date your knowledge through the Hybrid Professional Master's Degree in Intensive Care Nursing, in a practical way that is adapted to your needs.*



# 02

## Why Study this Hybrid Professional Master's Degree?

In the Areas of nursing in Intensive Care, it is the theoretical contents of the latest procedures for the treatment of patients and the application of required care, as well as to master the tools to translate this knowledge into practice. For this reason, TECH has created a degree that will allow the student to combine excellent learning in this subject with a 3-week stay in a prestigious hospital center. As a result, the expert will acquire a series of skills that are fully applicable in his or her professional life.







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*TECH gives you the opportunity to combine an exquisite theoretical learning with a practical stay in a first level hospital to boost your professional skills in Intensive Care Nursing"*

### **1. Updating from the Latest Technology Available**

The area of Intensive Care Nursing has evolved significantly in recent years due to advances in the pharmacology used, patient care procedures or in the mechanisms of medical transport. Therefore, in order for the expert to be aware of all these innovations, TECH has created a program that will place the professional at the forefront of his sector.

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

This Hybrid Professional Master's Degree is taught, in its theoretical part, by experts who work actively in the field of Intensive Care Nursing, so all the knowledge they will provide the student will be applicable in their professional experience. In addition, during your practical stay, you will be integrated into a work team made up of specialists who will provide you with the most useful skills in your day-to-day work.

### **3. Entering first-class hospital environments**

TECH carefully selects all available centers for Internship Programs. Thanks to this, the expert will have guaranteed access to a prestigious clinical environment in the field of Intensive Care Nursing. In this way, you will be able to see the day-to-day work of a demanding, rigorous and exhaustive sector, always applying the latest theses and scientific postulates in its work methodology.



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

Within the academic environment, there is number programs aimed at offering theoretical contents, with pre-established schedules that make it impossible to make learning compatible with personal and professional life. In view of this, TECH has opted to create an innovative teaching model, which combines a 100% online theoretical teaching with a practical stay of 3 weeks in a prestigious hospital center, where the student will develop all the knowledge acquired.

#### 5. Expanding the Boundaries of Knowledge

TECH offers the possibility of completing training practices of this Internship in centers renown worldwide. This way, the specialist will be able to expand their frontiers and catch up with the best professionals, who practice in first class centers and in different continents. A unique opportunity that only TECH could offer to their students.

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

03

# Objectives

This Hybrid Professional Master's Degree has been designed with the Fine of updating the knowledge of nursing professionals in the latest diagnostic procedures, work and treatment for patients who are Hospitalized in Unit of Intensive Care Therefore, specialists will master up-to-date techniques for the care of severe trauma patients or patients with respiratory disorders.

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*This program gives you the opportunity to update your knowledge in a real scenario, with the maximum scientific rigor of an institution at the forefront of technology”*



## General Objective

- The general objective of the Hybrid Professional Master's Degree in Intensive Care Nursing is to up to date the professional in the diagnostic and therapeutic procedures of the specialty. This will be achieved through the combination of an excellent theoretical training provided by specialists in the field with a hospital stay under the supervision of renowned professionals in a center of the highest scientific quality and technological innovation



*This Hybrid Professional Master's Degree will generate a sense of security in the performance of nursing practice, which will help you grow personally and professionally"*





## Specific Objectives

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### Module 1. Organization and Management of an Intensive Care Unit

- ♦ Recognize the importance of proper management of the Intensive Care Unit
- ♦ Provide a safe environment for the patient in the Intensive Care Unit by assessing and correcting the risk factors present

### Module 2. Evaluating and Monitoring of a Critically Ill Patient

- ♦ Describe the different modes of invasive and non-invasive monitoring of the critically ill patient, as well as their correct technique
- ♦ Analyze the importance of filling out the different nursing records used in the Intensive Care Unit, and interpret their value in the patient's rehabilitation process

### Module 3. Life Support.

- ♦ Know and understand the chains of survival for optimal patient care in different life-threatening situations
- ♦ Acquire advanced knowledge of life support in special situations
- ♦ Show the procedures performed on the CPR patient and knowledge of the most pioneering techniques

### Module 4. Critical Care in Patients with Cardiocirculatory Disorders

- ♦ In-depth knowledge of the anatomy and physiology of the cardiocirculatory system
- ♦ Identify the most frequent cardiocirculatory pathologies in the ICU
- ♦ Recognize different conditions and learn how to manage them in depth

### Module 5. Critical Care in Patients with Respiratory Disorders

- ♦ Develop advanced theoretical knowledge of respiratory physiology and fundamentals of mechanical ventilation
- ♦ Identify the main pathological ventilatory patterns
- ♦ Demonstrate new ventilation devices and therapies in the patient

### Module 6. Care in Patients with Neurological Disorders

- ♦ Gain in-depth knowledge of the anatomy and physiology of the nervous system
- ♦ Recognize the most common neurological pathologies in the ICU
- ♦ Identify cerebrovascular disease and delve into its approach and management
- ♦ Assess the coma patient, evaluate the degree of consciousness and provide specific care

### Module 7. Digestive and Renal Pathology in the ICU and Other Pathologies

- ♦ To examine the main digestive and renal pathologies treated in Intensive Care Nursing
- ♦ Review procedures for ostomized digestive and urological patients
- ♦ To delve in critical care for poisoning and septic patients

### Module 8. Critical Care for Severe Trauma Patients

- ♦ Apply the appropriate therapeutic procedures to the critically ill patient
- ♦ Anticipate most common complications derived from the pathological processes of critically ill patients and their treatment in order to prevent their occurrence

### Module 9. Pharmacology in Intensive Care

- ◆ Up to date the procedures for the Use of the most frequent drugs in the intensive care unit
- ◆ Describe the therapeutic action and most important side effects of frequently used drugs in the intensive care unit
- ◆ Review the standards for administration of drug therapy in the intensive care unit

### Module 10. Critical Care for Paediatric Patients

- ◆ Recognize the most frequent pediatric and adult pathological processes in the Intensive Care Unit
- ◆ Adapt nursing care to the pediatric critically ill patient
- ◆ Perform the nursing role in a pediatric and adult basic and/or advanced life support situation according to the latest European Resuscitation Council recommendations

### Module 11. Hospital Transport

- ◆ Gain an in-depth knowledge of the different types of medical transport used today and their evolution throughout history. Develop knowledge of the fundamental characteristics of each type of patient transport and transfer
- ◆ Prepare and supervise in-hospital and inter-hospital transfer of the adult critically ill patient

### Module 12. Anesthesia and Surgery

- ◆ Identify and know how to apply the different types of anesthesia
- ◆ Provide care for the critical post-surgical patient
- ◆ Provide critical care to transplant patients
- ◆ Manage the crash cart in the nursing care of the anesthetized patient
- ◆ Intervene in possible perioperative complications







### **Module 13. Research Methodology in Intensive Care Nursing**

- ◆ Learn how to retrieve quality specialized information in the Health Sciences
- ◆ Handle different reference managers
- ◆ Design qualitative and quantitative research
- ◆ Know the different types of instruments for critical reading.
- ◆ Learn to write articles with a scientific structure, as well as to write case reports, reviews, articles, theses and dissertations

### **Module 14. Latest Information on Coronavirus Infections**

- ◆ Learn about the growth and evolution of Coronavirus in the world
- ◆ Delve into the microbiological characteristics of the disease
- ◆ Learn about the different epidemiological changes in coronavirus infections from their discovery to the present day
- ◆ Delve into the functioning of the immune system during Coronavirus infection
- ◆ Understand the pathogenesis and pathophysiology of Coronavirus infections
- ◆ Know the main risk groups in Coronavirus infections
- ◆ Delve into the different methods of transmission of the disease
- ◆ Know the different methods of Biosafety in microbiology laboratories for the handling of coronavirus samples
- ◆ Delve into the future challenges in the prevention, diagnosis and treatment of coronavirus infections

# 04 Skills

After passing the assessments on the Professional Master'Hybrid in Intensive Care Nursing, the nursing professional will have acquired the professional skills required for quality nursing care, and updated based on the latest scientific evidence.





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*This Hybrid Professional Master's Degree will allow you to successfully up to date everything related to intensive care nursing. This knowledge will help you get started in this exciting field and grow your career”*



## General Skills

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- ♦ Possess and understand knowledge that provides a basis or opportunity to be original in the development and/or application of ideas, often in a research context
- ♦ Know how to apply acquired knowledge and problem-solving skills in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their area of study
- ♦ Integrate knowledge and face the complexity of making judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities related to the application of their knowledge and judgments
- ♦ Know how to communicate conclusions, knowledge, and supporting arguments to specialized and non-specialized audiences in a clear and unambiguous way
- ♦ Acquire the learning skills that will enable further studying in a largely self-directed or autonomous manner
- ♦ Develop within the profession in terms of working with other health professionals, acquiring skills to work as a team
- ♦ Recognize the need to maintain your professional skills and keep them up to date, with special emphasis on autonomous and continuous learning of new information
- ♦ Develop the capacity for critical analysis and research in your professional field



*Through this degree, you will master up-to-date procedures for the treatment of patients in the Intensive Care Unit"*





## Specific Skills

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- ◆ Provide comprehensive care to the person to solve the health problems that affect them at medical care to patients who and in the immediate future, either, individually or as members of a multidisciplinary team
- ◆ Prioritize situations, resolve problems and make decisions when caring for critical patients in emergency situations
- ◆ Provide adequate technical and professional health care to the critically ill patient, in accordance with the scientific knowledge and technological development of each moment and with the quality and safety levels established in the applicable legal and deontological norms
- ◆ Plan and deliver nursing care to the critically ill patient and their families and caregivers, based on quality standards
- ◆ Incorporate safety principles including ergonomics, proper patient handling and mobilization, and infection control into the work routine
- ◆ Establish effective communication with patients, families and groups served, as well as with the rest of the work team
- ◆ Through your work within a multidisciplinary team, contribute to the process of organ and tissue donation
- ◆ Safely and appropriately manage frequently used medications in the intensive care unit
- ◆ Use rigorously, safely and confidently the diagnostic aids characterized by complex technology
- ◆ Use scientific databases for carrying out reviews and bibliographic searches of scientific studies
- ◆ Communicate result findings after having analyzed, evaluated, and synthesized the data

05

# Course Management

In TECH's relentless commitment to providing world-class education, this degree is directed and taught by experts who are actively working in the field of Intensive Care Nursing. These specialists are the ones in charge of elaborating the didactic contents that the student will have during the duration of this program. Therefore, all the contents provided will be applicable in your professional life.





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*The professionals responsible for teaching this degree work actively in the field of Intensive Care Nursing to provide you with the most up-to-date knowledge in this field"*

## Guest Director



### Ms. Díez Sáenz, Cristina

- Head of the Critical Care Unit at HGU Gregorio Marañón
- Head Nurse of the Adult Intensive Care Unit at Hospital General Universitario Gregorio Marañón
- Nursing supervisor at Gregorio Marañón ICU
- Nurse Assistant in different hospitalization areas in different health centers and hospitals
- Participation as collaborating researcher in the multicenter project "National validation of the scale of satisfaction with nursing care from the perspective of the critically ill patient"



## Management



### Ms. Lospitao Gómez, Sara

- ♦ Intensive Care and Interventional Cardiology Nurse at the Hospital Universitario de Fuenlabrada (HUF)
- ♦ Nurse of the Post-Surgical Intensive Care Unit (PICU) of Cardiac Surgery at the Hospital Universitario 12 de Octubre
- ♦ Nurse Coronary Intensive Care Unit at university 12 de Octubre Hospital
- ♦ Interventional Cardiology Unit Nurse (Hemodynamics, EPS and Implants)
- ♦ Head of the #TEAyudamos program at HUF and Member of the #JuntosXEICáncer group
- ♦ Instructor in Advanced Life Support by the National CPR Plan of the Spanish Society of Intensive Care Medicine, Critical Care and Coronary Units (SEMICYUC)
- ♦ Member of: Care Sub-Commission (HUF), Care Commission (HUF), Ulcer and Wound Working Group Secretariat (HUF)

## Professors

### Ms. Álvarez Carrascal, Inmaculada

- ♦ Nurse in Pediatric ENT, Gregorio Marañón General University Hospital
- ♦ Nurse in charge of ICU Safety at the Hospital General Universitario Gregorio Marañón
- ♦ Instrumentalist nurse in operating rooms of Churchill Hospital
- ♦ Nurse assistant in various services of hospitals and health centers of the Andalusian Health Service
- ♦ Diploma in Nursing from the University of Seville
- ♦ Expert in Critical Care by the Complutense University of Madrid

### Mr. González Palacios, Rubén

- ♦ Nurse in the Intensive Care Unit of Gregorio Marañón General University Hospital
- ♦ Attending Nurse in the Internal Medicine Unit of the 12 de Octubre General University Hospital
- ♦ Nurse assistant in different Primary Care centers in the Community of Madrid
- ♦ Developer of the mobile application "Compatibility drugs" for intravenous compatibility of drugs

**Mr. Ruiz Henestrosa Campos, , Manuel Jesús**

- ◆ Head of the Emergency Unit in HGU Gregorio Marañón
- ◆ Attending Nurse, in HGU Gregorio Marañón Hospital
- ◆ in Attending Nurse Puerta del Mar General University Hospital from Cádiz
- ◆ Associate Professor Practicum III of Nursing
- ◆ Collaborating teacher at the International School of Health Sciences
- ◆ Nebrija University Collaborating Professor
- ◆ Esforem Collaborating Teacher
- ◆ Diploma in Nursing





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*Thanks to this degree, you will study the knowledge with greater applicability in the work environment, elaborate expressly by professionals in this branch of medicine”*

# 06

## Educational Plan

The curriculum of this degree is composed of 13 modules through which students will up to date and increase their knowledge in the area of Intensive Care Nursing. Likewise, the didactic resources that you will have access to throughout this Hybrid Professional Master's Degree are available in formats such as explanatory videos, complementary readings or interactive summaries. Thanks to this, the student will obtain a fully enjoyable and individualized learning experience.





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*Through 100% online theoretical instruction, you will manage your own study time at your leisure to optimize excellent learning in the field of Intensive Care Nursing"*

### Module 1. Organization and Management of an Intensive Care Unit

- 1.1. Historical Review
- 1.2. Legislation
- 1.3. Professional Discretion.
- 1.4. Features of the Critical Care Unit: ICU Equipment and Apparatus
- 1.5. Intensive Care Nursing
- 1.6. Role of the Critical Care Nurse: Burnout Syndrome
- 1.7. Intensive Care Unit Nursing Management
- 1.8. Security Culture
- 1.9. Humanization in the Intensive Care Unit

### Module 2. Evaluating and Monitoring of a Critically Ill Patient

- 2.1. Basic Aspects of Monitoring a Critically Ill Patient
- 2.2. Cardiac and Respiratory Activity
- 2.3. Hemodynamic Status
- 2.4. Neurological Status
- 2.5. Delirium in Intensive Care Units
- 2.6. Monitoring of Sedoanalgesia in Critical Care
- 2.7. Analytical Controls in ICU
- 2.8. Intensive Care Nursing Records
- 2.9. Peripheral Arterial System Examination
- 2.10. Preload Monitoring. Ultrasound

### Module 3. Life Support.

- 3.1. General Aspects
- 3.2. Basic Electrocardiography and Arrhythmias
- 3.3. Basic Life Support and AED in Adults
- 3.4. Peripartum Arrhythmia
- 3.5. Airway Management
- 3.6. Advanced Life Support in Adults
- 3.7. Routes of Administering Medication
- 3.8. Resuscitation in Special Cases
- 3.9. Basic Life Support and AED in Children.

- 3.10. Recognition and Management of Critically Ill Children
- 3.11. Advanced Airway Management in Pediatrics
- 3.12. Basics of Mechanical Ventilation in Pediatrics
- 3.13. Infusion Routes and Drugs in Pediatric CPR
- 3.14. Pediatric VAS Algorithms and Arrhythmia Treatment
- 3.15. Neonatal Resuscitation.
- 3.16. Post-resuscitation Stabilization and Neonatal Transport

### Module 4. Critical Care in Patients with Cardiocirculatory Disorders

- 4.1. Anatomy of the Cardiocirculatory System
- 4.2. Cardiocirculatory System Physiology
- 4.3. Heart Failure and Acute Pulmonary Edema
- 4.4. Ischemic Heart Disease
- 4.5. Cardiac Arrhythmias
- 4.6. Cardiogenic Shock
- 4.7. Valvulopathies
- 4.8. Pericarditis
- 4.9. Aneurysm and Aortic Dissection
- 4.10. Hypertensive Emergencies.
- 4.11. ECG and Monitoring.
- 4.12. Electrical Therapies: Cardioversion and Defibrillation
- 4.13. Fibrinolysis
- 4.14. Percutaneous Coronary Intervention
- 4.15. Aortic Counterpulsation Balloon Pump
- 4.16. Pacemaker

**Module 5. Critical Care in Patients with Respiratory Disorders**

- 5.1. Anatomophysiologic and Physiologic Memory of the Cardiocirculatory System
- 5.2. Acute Respiratory Failure.
- 5.3. Adult Respiratory Distress Syndrome
- 5.4. Pulmonary Embolism
- 5.5. COPD Flare-up
- 5.6. Asthmatic Status
- 5.7. Pneumonia and Bronchopneumonia
- 5.8. Neuromuscular Alterations that Affect Respiration
- 5.9. Procedures: Oxygen Therapy
- 5.10. Procedures: Airway Access
- 5.11. Procedures: Aspiration of Tracheobronchial Secretions
- 5.12. Procedures: Thoracentesis and Chest Drains
- 5.13. Extracorporeal Membrane Oxygenation System (ECMO)
- 5.14. Concept of Mechanical Ventilation. Respirators and Parameters
- 5.15. Mechanical Ventilation Methods
- 5.16. Ventilator Alarms
- 5.17. Nursing Care of Mechanically Ventilated Patients
- 5.18. Removing MV
- 5.19. Non-Invasive Mechanical Ventilation
- 5.20. Mechanical Ventilation in Tracheostomized Patients

**Module 6. Care in Patients with Neurological Disorders**

- 6.1. Anatomophysiological Review of the Nervous System
- 6.2. Cerebrovascular Disease. Code Stroke
- 6.3. Intracranial Hypertension.
- 6.4. Delirium
- 6.5. Guillain-Barré Syndrome
- 6.6. Seizures and Status Convulsus
- 6.7. Meningitis and Lumbar Puncture Practice
- 6.8. Comatose Patient
- 6.9. Pain and Sedoanalgesia
- 6.10. Neurological Assessment in ICU: Most Frequently Used Diagnostic Tests

**Module 7. Digestive and Renal Pathology in the ICU and Other Pathologies**

- 7.1. Gastrointestinal bleeding.
- 7.2. Intestinal Obstruction
- 7.3. Inflammatory Bowel Disease
- 7.4. Mesenteric Ischemia
- 7.5. Acute Abdomen
- 7.6. Fulminant Hepatic Failure
- 7.7. Albumin-Based Liver Replacement System
- 7.8. Acute Pancreatitis
- 7.9. Intestinal Ostomy Patient: Colostomy
- 7.10. Intestinal Ostomy Patient: Ileostomy
- 7.11. Disseminated Intravascular Coagulation
- 7.12. Multiorgan Failure
- 7.13. Endocrinometabolic Alterations
- 7.14. Acute Renal Failure in the ICU
- 7.15. Urostomy Patient
- 7.16. Critical Care in Poisoning
- 7.17. Critical Care in Digestive Pathologies
- 7.18. Nosocomial Infections in the ICU
- 7.19. Sepsis and Septic Shock
- 7.20. Nursing Care in the Septic Patient

**Module 8. Critical Care for Severe Trauma Patients**

- 8.1. The Critically Ill Burns Patient
- 8.2. The Polytraumatized Patient
- 8.3. Initial Assessment of the Polytraumatized Patient
- 8.4. TBI and Spinal Trauma. Spinal cord Injury
- 8.5. Thoracic and Abdominal Trauma. Hypovolemic Shock.
- 8.6. Trauma to Extremities
- 8.7. Trauma in Special Situations(I)
- 8.8. Trauma in Special Situations (II)

### Module 9. Pharmacology in Intensive Care

- 9.1. Basic Concepts in Pharmacology
- 9.2. Drug Administration Safety.
- 9.3. Most Frequently Used Drugs: Analgesia, Sedation and Muscle Relaxants
- 9.4. Most Frequently Used Drugs: Antiarrhythmics, Vasodilators and Inotropes
- 9.5. Most Frequently Used Drugs: Respiratory System and Antibiotics
- 9.6. Drug Administration Precautions: Oral and Enteral, Parenteral, and Transfusion
- 9.7. Drug Administration Precautions: Cytostatics, Epidural, PCA and Insulin Pumps
- 9.8. Formulas and Dosis Calculation.
- 9.9. Enteral Nutrition at and Parenteral
- 9.10. Pharmacology in Pediatrics

### Module 10. Critical Care for Paediatric Patients

- 10.1. Most Common Disorders in Newborns
- 10.2. Polytraumatized Children
- 10.3. Needs Assessment and Pediatric Rating Scales
- 10.4. Pediatric Assessment Triangle
- 10.5. Airway and Ventilatory Management for Critically Ill Pediatric Patients
- 10.6. Nursing Techniques for Critically Ill Pediatric Patients
- 10.7. Pediatric Postoperative Care.
- 10.8. Pediatric Pain
- 10.9. Care for Premature Infants
- 10.10. End of Life Care

### Module 11. Hospital Transport

- 11.1. Intrahospital Transfer of the Critically Ill Patient
- 11.2. Out-of-hospital Transfer and ISOBAR
- 11.3. Intrahospital Neonatal Transport
- 11.4. Ambulance Equipment
- 11.5. Cardiopulmonary Resuscitation Trolleys and Backpacks
- 11.6. Driving and Road Safety
- 11.7. Immobilization and Transfer







## Module 12. Anesthesia and Surgery

- 12.1. Malignant Hyperthermia
- 12.2. Types of Anesthesia
- 12.3. Critical Postoperative Patient
- 12.4. Cardiac Surgery
- 12.5. Critical Care in Transplant Patients
- 12.6. Nursing Care in Patients under Anesthesia Crash Cart
- 12.7. Postoperative Complications
- 12.8. Interventions that May Prevent Perioperative Complications
- 12.9. Patient Admission to the Post-Anesthesia Recovery Unit
- 12.10. Possible Complications to the Post-Anesthesia Recovery Unit

## Module 13. Research Methodology in Intensive Care Nursing

- 13.1. Recovery of Quality Information Specializing in Health Sciences
  - 13.1.1. Development of a Bibliographic Search
  - 13.1.2. Knowledge of different sources of information: general search engines (Google Scholar, Scopus), databases (PubMed, Embase, Cinahl) and Clearinghouse of Clinical Practice Guidelines
  - 13.1.3. Designing Complex Search Strategies
  - 13.1.4. Refinement of Search Results
  - 13.1.5. Creating Bibliographic Alerts
- 13.2. Bibliographic Reference Management
  - 13.2.1. Introduction to Bibliographic Reference Managers
  - 13.2.2. Importing References into the Zotero Reference Manager
  - 13.2.3. PDF Metadata Extraction
  - 13.2.4. Use of Tags or Metatags to Classify the Bibliography
  - 13.2.5. Including References in the Text (Word). Vancouver Style.
  - 13.2.6. Social Web and Group Work
- 13.3. Critical Reading on Outcomes Research
  - 13.3.1. Introduction. Critical Reading
  - 13.3.2. Some Basic Concepts in Epidemiology
  - 13.3.3. Qualitative Research Designs
  - 13.3.4. Quantitative Research Designs
  - 13.3.5. Instruments for Critical Reading

- 13.4. How to Prepare a Research Protocol
  - 13.4.1. Headings that Make Up the Protocol of a Research Project
  - 13.4.2. Editorial Staff articles with Scientific Structure
  - 13.4.3. Writing a Case Report, Review, Qualitative Research Article, and a Thesis or Dissertation
  - 13.4.4. Style in Scientific Communication
- 13.5. Master's Thesis: Academic Work of Bibliographic Review and Research.
  - 13.5.1. The Importance of a Master's Thesis
  - 13.5.2. Proposal and Feasibility of a Master's Thesis
  - 13.5.3. Recommendations for the Preparation of the Master's Thesis
  - 13.5.4. Development and Evaluation of the Master's Thesis
  - 13.5.5. Recommendations for the Defence of the Master's Thesis

#### Module 14. Latest Information on Coronavirus Infections

- 14.1. Discovery and Evolution of Coronaviruses.
  - 14.1.1. Discovery of Coronaviruses.
  - 14.1.2. Global Trends in Coronavirus Infections.
- 14.2. Main Microbiological Characteristics and Members of the Coronavirus Family.
  - 14.2.1. General Microbiological Characteristics of Coronaviruses.
  - 14.2.2. Viral Genome.
  - 14.2.3. Principal Virulence Factors.
- 14.3. Epidemiological Changes in Coronavirus Infections since its Discovery to Present Day
  - 14.3.1. Morbidity and Mortality of Coronavirus Infections from their Emergence to the Present
- 14.4. The Immune System and Coronavirus Infections.
  - 14.4.1. Immunological Mechanisms Involved in the Immune Response to Coronaviruses.
  - 14.4.2. Cytokine Storm in Coronavirus Infections and Immunopathology.
  - 14.4.3. Modulation of the Immune System in Coronavirus Infections. Topics
- 14.5. Pathogenesis and Pathophysiology of Coronavirus Infections.
  - 14.5.1. Pathophysiological and Pathogenic Alterations in Coronavirus Infections.
  - 14.5.2. Clinical Implications of the Main Pathophysiological Alterations



- 
- 14.6. Risk Groups and Transmission Mechanisms of Coronaviruses.
    - 14.6.1. Main Sociodemographic and Epidemiological Characteristics of Risk Groups Affected by Coronavirus
    - 14.6.2. Coronavirus Mechanisms of Transmission.
  - 14.7. Natural History of Coronavirus Infections.
    - 14.7.1. Stages of Coronavirus Infection.
  - 14.8. Latest Information on Microbiological Diagnosis of Coronavirus Infections.
    - 14.8.1. Sample Collection and Shipment.
    - 14.8.2. PCR and Sequencing.
    - 14.8.3. Serology Testing.
    - 14.8.4. Virus Isolation.
  - 14.9. Current Biosafety Measures in Microbiology Laboratories for Coronavirus Sample Handling
    - 14.9.1. Biosafety Measures for Coronavirus Sample Handling.
  - 14.10. Up-to-Date Management of Coronavirus Infections.
    - 14.10.1. Prevention Measures.
    - 14.10.2. Symptomatic Treatment.
    - 14.10.3. Antiviral and Antimicrobial Treatment in Coronavirus Infections.
    - 14.10.4. Treatment of Severe Clinical Forms.
  - 14.11. Future Challenges in the Prevention, Diagnosis, and Treatment of Coronavirus
    - 14.11.1. Global Challenges for the Development of Prevention, Diagnostic, and Treatment Strategies for Coronavirus Infections.

07

# Clinical Internship

After passing the online teaching period, the program includes a period of practical training in a reference clinical center. The student will have at their disposal the support of a tutor who will accompany them during the whole process, both in the preparation and in the development of the clinical practice.





“

*Do your clinical internship in one of the best international hospital centers”*

The internship period of practical This Internship Program consists of a 3-week period from Monday to Friday, with 8 consecutive hours of up-to- education with an attending specialist. Therefore, this academic action is based on a real immersion within a first level hospital institution, where you will have access to dealing with patients in the intensive care service and where you will work alongside a team of professionals of reference in this field, applying the most innovative diagnostic procedures and planning the latest generation of therapy in each pathology.

In this completely practical Internship Program, the activities are aimed at developing and perfecting the skills necessary to provide healthcare in areas and conditions that require highly qualified professionals, and are oriented towards specific expertise for practicing the activity, in a safe environment for the patient and with highly professional performance.

It is undoubtedly an opportunity to learn by working in the innovative hospital of the future where real-time health monitoring of patients is at the center of the digital culture of its professionals. Therefore, this experience will allow the student to integrate new competencies adapted to current healthcare needs.

The practical education will be carried out with the active participation of the student performing the activities and procedures of each area of competence (learning to learn and learning to do), with the accompaniment and guidance of teachers and other fellow trainees that facilitate teamwork and multidisciplinary integration as transversal competencies for Current nursing practice Degree in Intensive Care Analysis(learning to be and learning to relate).

The procedures described below will form the basis of the practical part of the





internship, and their implementation is subject to both the suitability of the patients and the availability of the center and its workload, with the proposed activities being as follows:

Module	Practical Activity
<b>Organization and Management of an Intensive Care Unit</b>	Use Nursing Care for Patients in ICU
	Planning the management of nursing staff in the ICU.
<b>Organization and Management of an Intensive Care Unit</b>	Manage the Invasive and Non-Invasive Monitoring Equipment
	Implement nursing procedures for monitoring the s cardiac and respiratory activity.
	Perform nursing procedures for monitoring neurological status in critical care and interpret the results obtained.
<b>Critical Care in Patients with Cardiocirculatory Disorders</b>	Participate in cardioversion and defibrillation the elaboration of the procedures.
	Perform nursing care in percutaneous coronary intervention, placement of aortic counterpulsation balloon and application of temporary pacemaker.
<b>Critical Care in Patients with respiratory and Neurological Disorders</b>	Perform up-to-date safe airway establishment techniques.
	Apply nursing care to the patient who has undergone thoracentesis and thoracic and thoracic drainage, tracheostomy or mechanical ventilation
	Undertake the most appropriate nursing care for the comatose patient.
<b>Digestive and Renal Pathology in the ICU and Other Pathologies</b>	Use Nursing Care in the Septic Patient
	Exercise nursing care in patients with surgical conditions
	Apply continuous renal replacement techniques.

## 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 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?

In order to offer Students the best possibilities, TECH makes a major effort to establish strategic synergies with prestigious centers in each specialty. Institutions committed to graduating the best professionals in the sector that place all their tools at the student's service so that they can acquire the best competencies in a 100% practical way.





“

*TECH gives you access to the best centers and the best professional team. This is a bulwark that you wouldn't otherwise be able to access"*



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



Nurses

### Hospital Recoletas Campo Grande

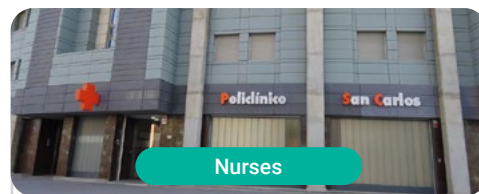
Country: Spain City: Valladolid

Address: Pl. de Colón, s/n, 47007 Valladolid

Clinical center specialized in multidisciplinary healthcare

**Related internship programs:**

- Intensive Care Nursing
- Gynecologic Oncology



Nurses

### Centro Médico HLA San Carlos - Jávea

Country: Spain City: Alicante

Address: Carrer Nancy, 3, 03730 Playa del Arenal, Jávea, Alicante

Multidisciplinary healthcare clinic

**Related internship programs:**

- Hospital Nursing
- Intensive Care Nursing



Nurses

### Hospital HLA San Carlos Denia

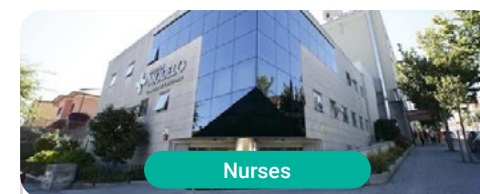
Country: Spain City: Alicante

Address: Partida Madrigueres Sud, 8, 03700 Dénia, Alicante

Hospital complex promoting of all clinical specialties

**Related internship programs:**

- Intensive Care Nursing
- Nursing in Internal Medicine



Nurses

### Hospital HM Modelo

Country: Spain City: La Coruña

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

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

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Nurses

### Hospital Maternidad HM Belén

Country: Spain City: La Coruña

Address: R. Filantropía, 3, 15011, A Coruña

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

**Related internship programs:**

- Update in Assisted Reproduction
- Hospitals and Health Services Management



Nurses

### Hospital HM Nou Delfos

Country: Spain City: 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



Nurses

### Hospital HM Madrid

Country: Spain City: 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



Nurses

### Hospital HM Montepíncipe

Country: Spain City: 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



Nurses

### 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



Nurses

### 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



Nurses

### 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



Nurses

### Centro Médico Vithas Alzira

Country: Spain City: Valencia

Address: Gran Vía Comunitat Valenciana, 4, 46600 Alzira

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Centro Médico Vithas Castellón

Country: Spain City: Castellón

Address: Calle Santa Maria Rosa Molas, 40, 12004 Castellón de la Plana

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Centro Médico Vithas El Ejido

Country: Spain City: Almería

Address: Avenida Ciavieja, 15, 04700 El Ejido

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Implantology and Oral Surgery



Nurses

### Centro Médico Vithas Fuengirola

Country: Spain City: Malaga

Address: Avenida de Ramón y Cajal, s/n, 29640 Fuengirola

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Hospital Vithas Granada

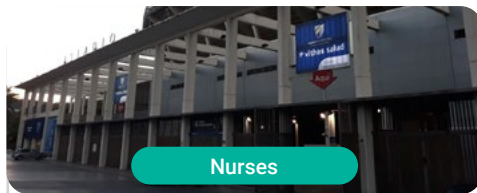
Country: Spain City: Granada

Address: Avenida de Santa María de la Alhambra, 6, 18008 Granada

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Centro Médico Vithas La Rosaleda

Country	City
Spain	Malaga

Address: Paseo Martiricos, Estadio de Fútbol La Rosaleda s/n, 29011 Málaga

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Centro Médico Vithas Limonar

Country	City
Spain	Malaga

Address: Calle la Era, 6, 29016 Málaga

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Centro Médico Vithas Lleida

Country	City
Spain	Lérida

Address: Avenida de Tortosa 4, 25005 Lleida

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Centro Médico Vithas Nerja

Country	City
Spain	Malaga

Address: Calle Antonio Ferrandis, 'Edificio Chanquete', 5, 29780 Málaga

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Centro Médico Vithas Playa Serena

Country	City
Spain	Almería

Address: Avenida de Playa Serena, 40, 04740 Roquetas de Mar

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Intensive Care Nursing
- Update in Anesthesiology and Resuscitation



Nurses

### Centro Médico Vithas Pontevedra

Country	City
Spain	Pontevedra

Address: Avenida Eduardo Pondal, 68, 36003 Pontevedra

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Centro Médico Vithas Rincón de la Victoria

Country	City
Spain	Malaga

Address: Avenida de la Torre, 15, 29730 Rincón de la Victoria

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Centro Médico Vithas Sevilla

Country	City
Spain	Seville

Address: Calle Enramadilla, 8, 41018 Sevilla

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Centro Médico Vithas Torre del Mar

Country: Spain City: Malaga

Address: Calle San Andrés, 23, 29740 Torre del Mar

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Centro Médico Vithas Torremolinos

Country: Spain City: Malaga

Address: Calle Hoyo, 15, 29620 Torremolinos

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Hospital Vithas Vitoria

Country: Spain City: Álava

Address: Calle Beato Tomás de Zumárraga, 10, 01008 Vitoria-Gasteiz

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Endodontics and Apical Microsurgery
- Implantology Oral Surgery



Nurses

### Centro Médico Vithas Madrid Aravaca

Country: Spain City: Madrid

Address: Calle La Salle, 12, 28023 Madrid

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Hospital Universitario Vithas Madrid Arturo Soria

Country: Spain City: Madrid

Address: C. de Arturo Soria, 103, 28043 Madrid

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Hospital Universitario Vithas La Milagrosa

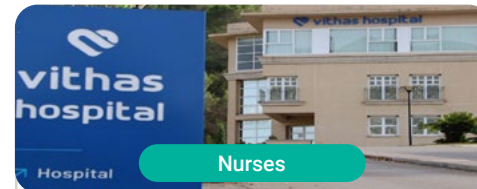
Country: Spain City: Madrid

Address: Calle Modesto Lafuente, 14, 28010 Madrid

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Hospital Vithas Aguas Vivas

Country: Spain City: Valencia

Address: Carretera Alzira-Tavernes de Valldigna, CV-50 Km 11, 46740 Carcaixent

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Hospital Vithas Alicante

Country: Spain City: Alicante

Address: Plaza Dr. Gómez Ulla, 15, 03013 Alicante

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Endodontics and Apical Microsurgery
- Implantology Oral Surgery



Nurses

### Hospital Vithas Almería

Country: Spain City: Almería

Address: Carretera del Mami, Km 1, 04120 Almería

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Intensive Care Nursing
- Update in Anesthesiology and Resuscitation



Nurses

### Hospital Vithas Castellón

Country: Spain City: Castellón

Address: Calle Santa Maria Rosa Molas, 25, 12004 Castellón de la Plana

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Intensive Care Nursing
- Endodontics and Apical Microsurgery



Nurses

### Hospital Vithas Granada

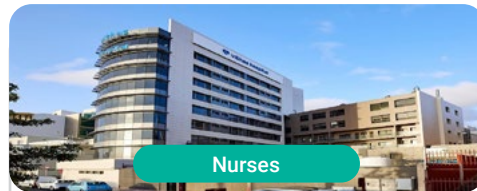
Country: Spain City: Granada

Address: Avenida de Santa María de la Alhambra, 6, 18008 Granada

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Hospital Vithas Las Palmas

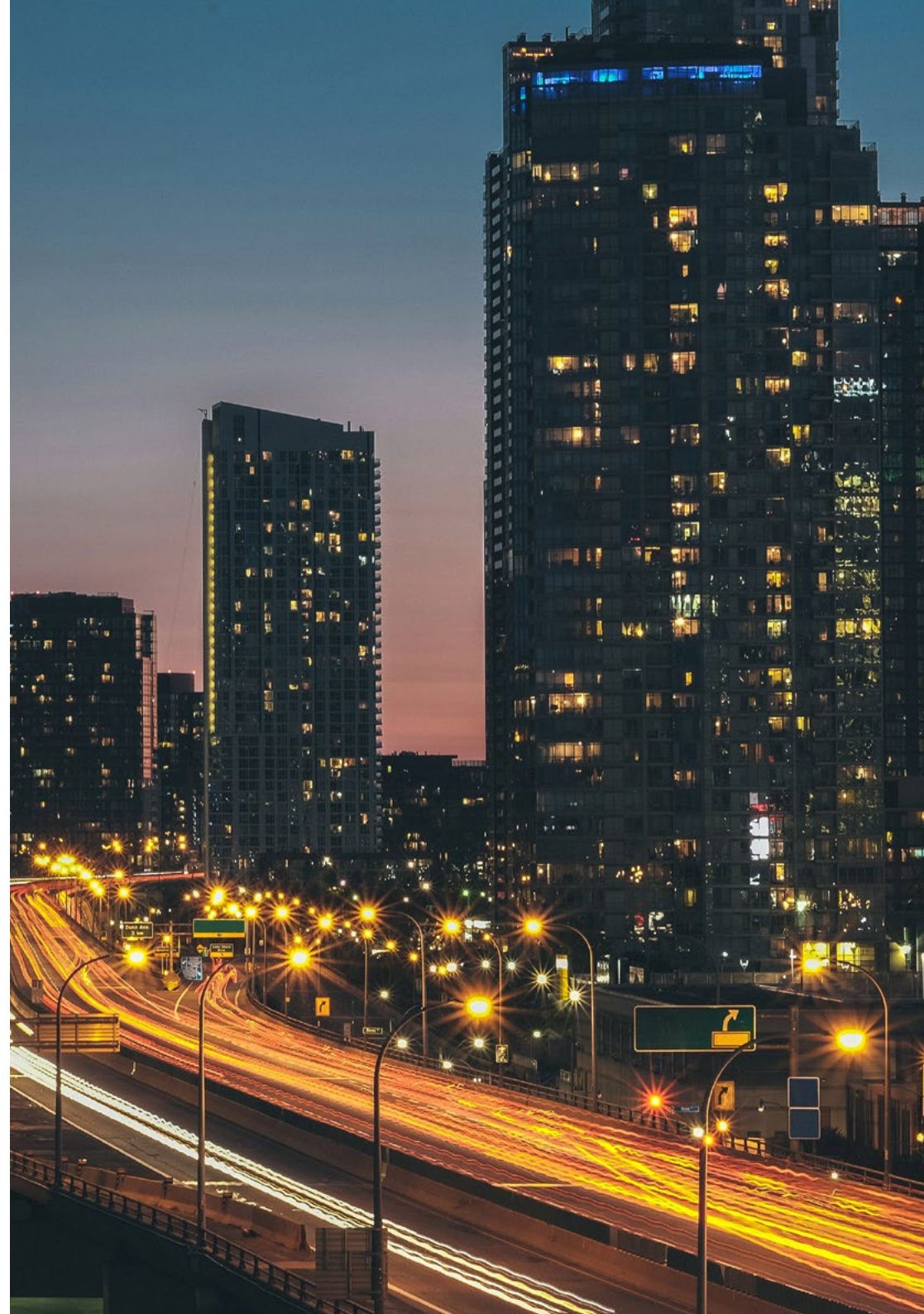
Country: Spain City: Las Palmas

Address: Calle León y Castillo, 292, 35005 Las Palmas de Gran Canaria

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing







Nurses

### Centro Médico Vithas Lleida

Country: Spain City: Lérida

Address: Avenida de Tortosa 4, 25005 Lleida

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Hospital Vithas Málaga

Country: Spain City: Malaga

Address: Avenida Pintor Sorolla, 2, 29016 Málaga

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Hospital Vithas Medimar

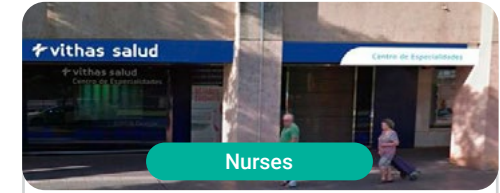
Country: Spain City: Alicante

Address: Avenida de Dénia, 78, 03016 Alicante

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Gynecologic Oncology
- Intensive Care Nursing



Nurses

### Centro Médico Vithas Sevilla

Country: Spain City: Sevilla

Address: Calle Enramadilla, 8, 41018 Sevilla

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Hospital Vithas Tenerife

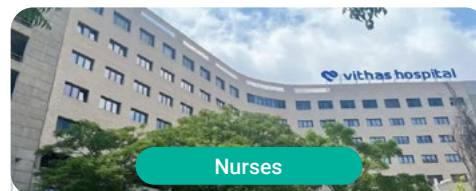
Country: Spain City: Santa Cruz de Tenerife

Address: Calle Enrique Wolfson, 8, 38006 Santa Cruz de Tenerife

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Esthetic Nursing



Nurses

### Hospital Vithas Valencia 9 de Octubre

Country: Spain City: Valencia

Address: Calle Valle de la Ballestera, 59, 46015 Valencia

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Hospital Vithas Valencia Consuelo

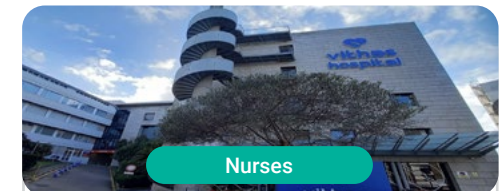
Country: Spain City: Valencia

Address: Calle Callosa d'En Sarrià, 12, 46007 Valencia

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Hospital Vithas Vigo

Country: Spain City: Pontevedra

Address: Via Norte, 48, 36206 Vigo

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Hospital Vithas Vitoria

Country: Spain City: Álava

Address: Calle Beato Tomás de Zumárraga, 10, 01008 Vitoria-Gasteiz

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Endodontics and Apical Microsurgery
- Implantology Oral Surgery



Nurses

### Hospital Vithas Xanit Internacional

Country: Spain City: Malaga

Address: Avenida de los Argonautas, s/n, 29631 Benalmádena

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Instituto Oftalmológico Vithas EuroCanarias

Country: Spain City: Las Palmas

Address: Calle León y Castillo, 211, 35005 Las Palmas de Gran Canaria

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Intensive Care Nursing
- Update in Anesthesiology and Resuscitation



Nurses

### Vithas Centro Médico

Country: Spain City: Lérida

Address: Calle de les Astes de Sant Macari, 3, 25300 Tàrraga

Leading group in the Spanish healthcare sector

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing





### Vithas Internacional

Country	City
Spain	Madrid

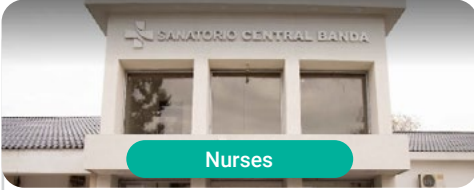
Address: Calle Arturo Soria, 107, 28043 Madrid

Leading group in the Spanish healthcare sector

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#### Related internship programs:

- Update in Anesthesiology and Resuscitation
- Intensive Care Nursing



Nurses

### Sanatorio Central Banda

Country	City
Argentina	Santiago del Estero

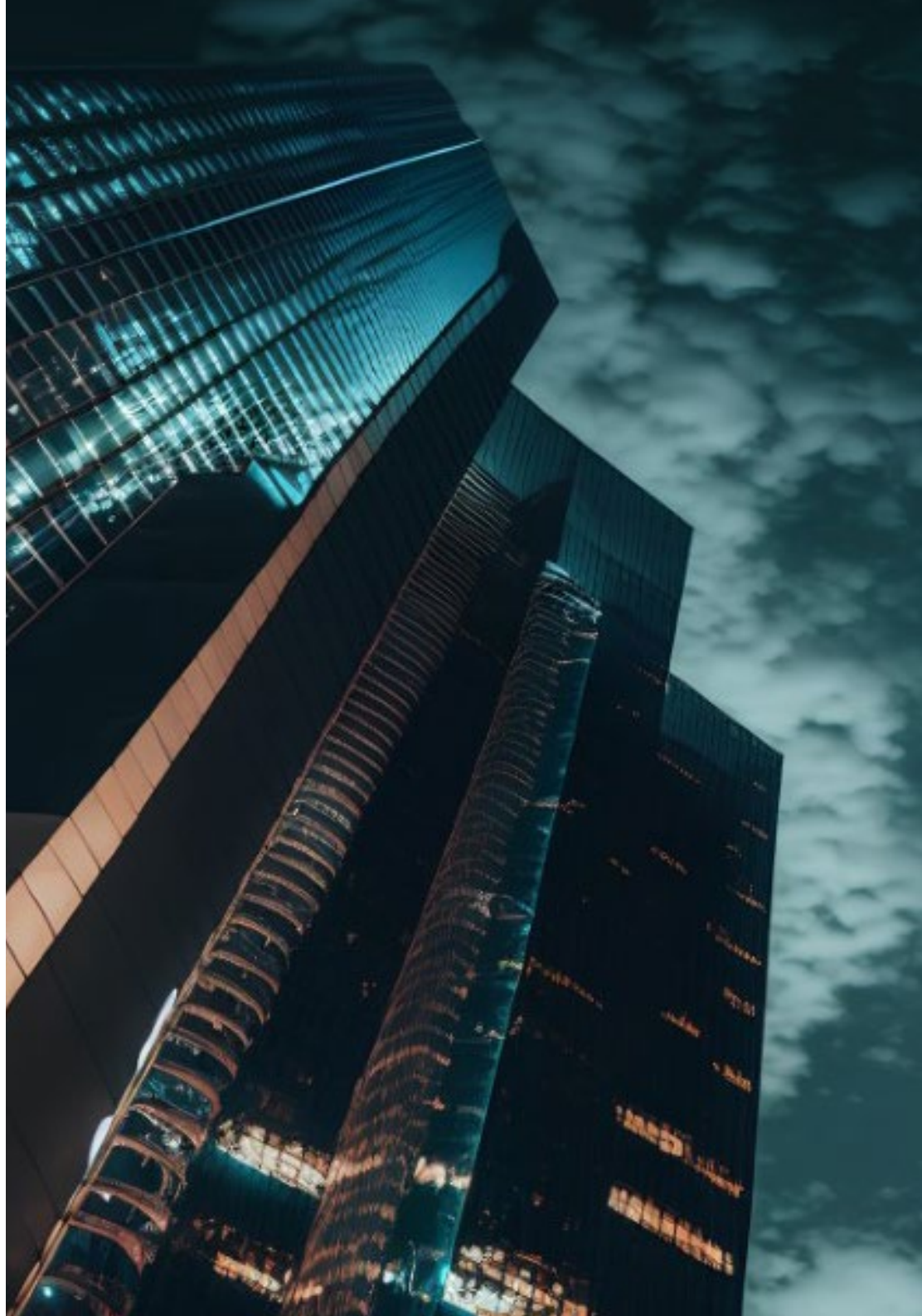
Address: Amadeo Jacques N° 175 4300,  
La Banda , Santiago del Estero


Clinical center for comprehensive inpatient and surgical care

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**Related internship programs:**

- Hepatology
- Primary Care Clinical Ultrasound





**Nurses**

**Sanatorio Central**

Country	City
Argentina	Tucumán

Address: Av. Mitre 268, T4000  
San Miguel de Tucumán, Tucumán

Sanatorium of General Medicine,  
hospitalization, diagnosis and treatment

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**Related internship programs:**

- Advanced Operating Room Nursing
- Pediatric Nursing



*Boost your career path with holistic teaching, allowing you to advance both theoretically and practically"*

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.





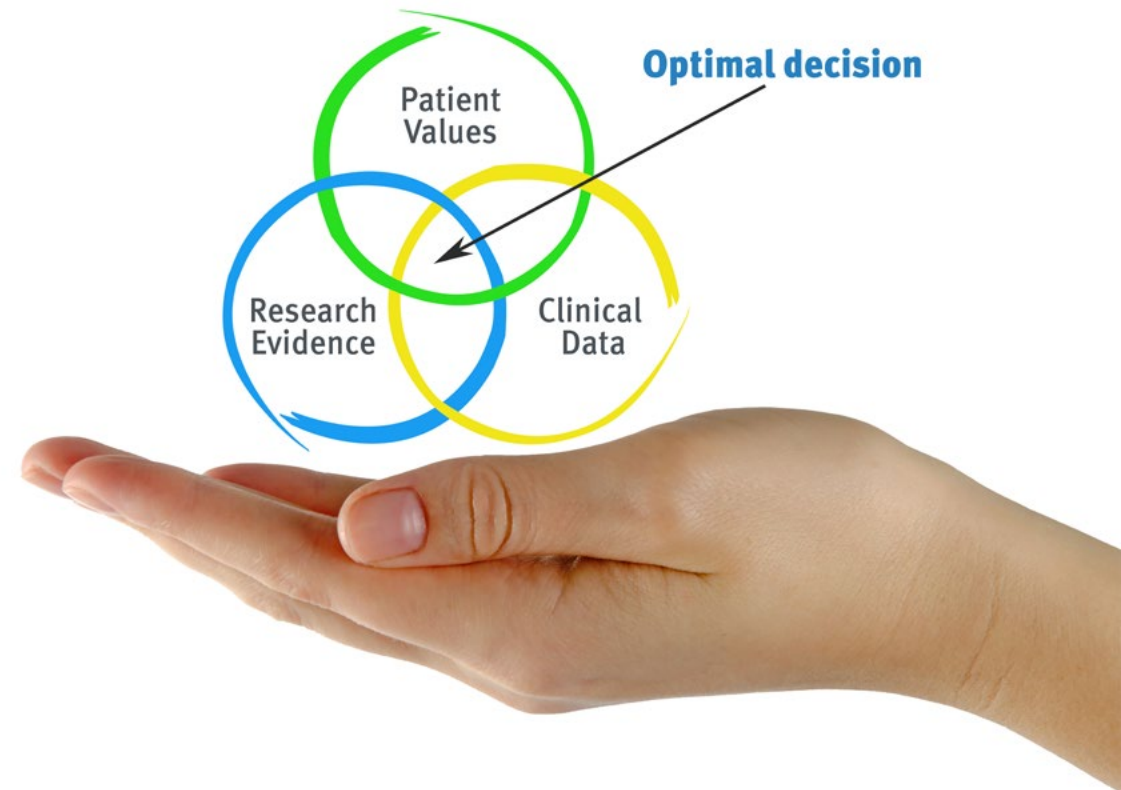
“

*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 Nursing School we use the Case Method

In a given situation, what should a professional do? 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. Nurses learn better, faster, and more sustainably over time.

*With TECH, nurses can experience a learning methodology that is shaking the foundations of traditional universities around the world.*



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



“

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

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

1. Nurses who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.
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 case studies 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 nurse 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).

With this methodology we have trained more than 175,000 nurses with unprecedented success in all specialities regardless of practical workload. 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.

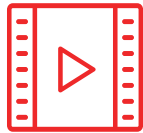
*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

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 really 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.



### Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, 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 them as many times as you want.



### Interactive Summaries

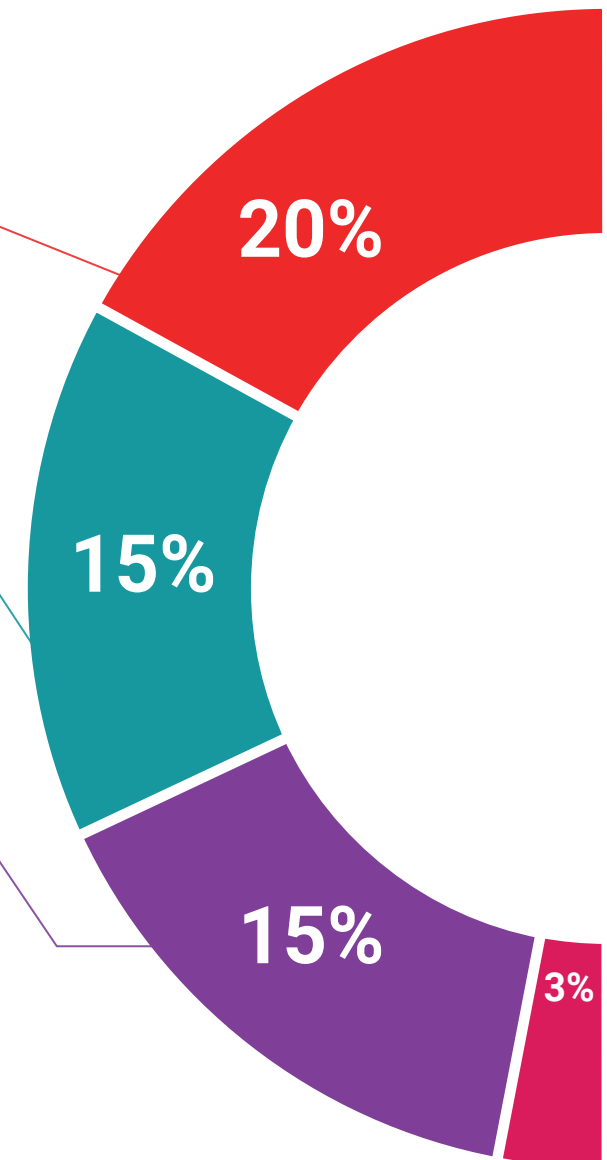
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

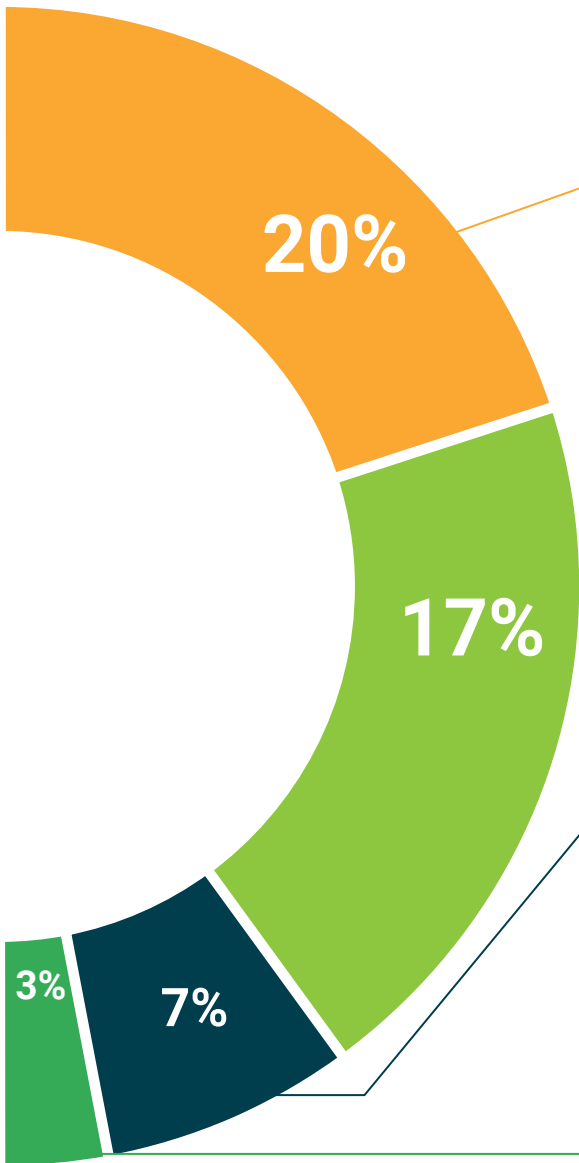
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### 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.



# 10 Certificate

The Hybrid Professional Master's Degree in Intensive Care Nursing guarantees, in addition to the most rigorous and up to date training, access to a Hybrid Professional Master's Degree issued by TECH Universidad Tecnológica.



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

This **Hybrid Professional Master's Degree in Intensive Care Nursing** contains the most complete and up-to-date program on the professional and academic field.

After the student has passed the assessments, they will receive their corresponding Hybrid Professional Master's Degree certificate issued by TECH Technological University via tracked delivery\*.

In addition to the certificate, students will be able to obtain an academic transcript, as well as a certificate outlining the contents of the program. In order to do so, students should contact their academic advisor, who will provide them with all the necessary information.

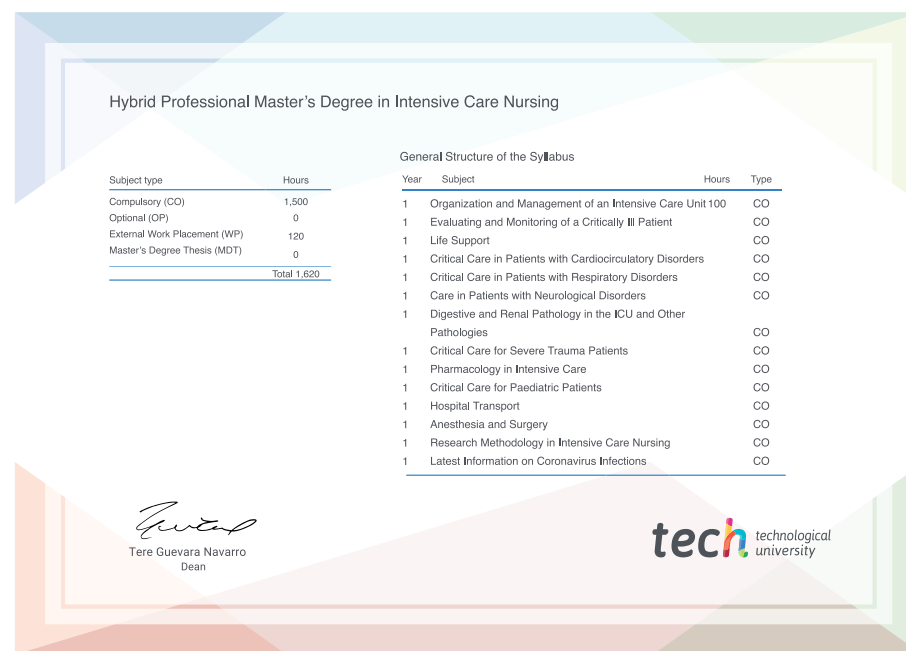
Title: **Hybrid Professional Master's Degree in Intensive Care Nursing**

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

Duration: **12 months.**

Certificate: **TECH Technological University**

Teaching Hours: **1,620 h.**



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





## Hybrid Professional Master's Degree Intensive Care Nursing

- » Modality: Hybrid (Online + Clinical Internship)
- » Duration: 12 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

# Hybrid Professional Master's Degree Intensive Care Nursing

