





Hybrid Professional Master's Degree

Diet Therapy for Nursing

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Technological University

Teaching Hours: 1,620 h

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01 Introduction

An increase in patients with hypertension or diabetes in all population groups are just some of the problems detected by nursing professionals, especially in patients with obesity or poor eating habits. This has led to an increase in health promotion programs and the implementation of nutritional plans. Faced with this scenario, TECH has created this university degree, which offers healthcare professionals an advanced theoretical framework and 100% online, complemented by a first class practical stay. This will allow you to update your knowledge in Diet Therapy through a program that provides a real response to the updating needs of professionals.



tech 06 | Introduction

Diet plays a determining role in people's health and in the evolution of different pathologies. However, in recent years, obesity has become a global problem, leading the World Health Organization to declare it a pandemic.

This problem is transferred to day-to-day clinical and hospital consultations, where nursing professionals take care of the patient's nutritional care by applying the guidelines given by the specialists or are in charge of designing the daily dietary recommendations at home. All of this, always following the latest scientific advances in Nutrition, an area, moreover, in continuous updating. For this reason, TECH has created this Hybrid Professional Master's Degree, which provides the professional with an advanced theoretical framework, complemented by an excellent practical stay in a first class clinical center.

In this way, the professional will be able to deepen, through innovative didactic material, in the latest nutritional advances and in the adaptation of the plans according to the patient's pathology. All of this, in addition to content that can be accessed 24 hours a day from any device Electronics with an Internet connection.

A program that also responds to the real needs of nurses through a practical phase, which will take place in a prestigious clinical center. A scenario where you will be guided by real specialists in Diet Therapy, who will show you the technical and technological progress in this area.

TECH offers, in this way, an excellent opportunity to get an update with a flexible academic option compatible with the daily professional and personal responsibilities of nurses. A unique program in the academic panorama, only offered by this academic institution.

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

- The development of practical cases presented by experts in Nutrition and Endocrinology
- The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- Practical exercises where 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



Thanks to this degree, you will approach a first level clinical environment in the field of Diet Therapy, where you will learn about the latest advances in this area from real experts"



You have at your disposal the most innovative and advanced multimedia contents, which will take you in a dynamic way to deepen in the news about Celiac Disease and Non-Celiac Gluten Sensitivity"

In this Hybrid Professional Master's Degree proposal, of a professionalizing nature and blended learning modality, the program is aimed at updating nursing professionals. 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 the multimedia content, developed with the latest educational technology, nursing professionals will benefit from situated and contextual learning, i.e., a simulated environment that will provide immersive learning programmed to train in real situations. This program is designed around Problem-Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the course. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

With this program you will perfect your skills in the preparation, completion and follow-up of hospital diets.

The Relearning method, based on the reiteration of key contents, will allow you to reduce the hours of study and theoretical memorization.



02 Why Study this Hybrid Professional Master's Degree?

Nutrition is an area that has undergone an important development in recent years, thanks to the countless studies that have shed light on the properties of food and its adequate intake, according to the patient's pathologies. For this reason, TECH has designed this unique program in the current academic panorama, which perfectly combines a 100% online theoretical framework with a 100% practical stay. A total 12-month course, which will allow to be aware of the advances in Diet Therapy, in the design of plans adapted to patients with renal, hepatic, endocrine pathologies or along the digestive tract. A process where, at all times, the student will be guided by professionals specialized in this field.



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

1. Updating from the Latest Technology Available

In recent years, new technologies have undoubtedly favored diagnostic tests that have made it possible to detect food allergies or to perfect surgical techniques in patients with obesity. For this reason, TECH has created this Hybrid Professional Master's Degree, which seeks to bring the nursing professional closer to the most recent advances in this field, showing the most relevant technical advances.

2. Delving from the experience of the best Communication Management

In this academic journey, the nursing professional will be guided, first of all, by a specialized faculty with extensive experience in Nutrition and Endocrinology. Therefore, once the theoretical phase has been completed, in the practical stage, the health worker will join a specialized team at a leading center, where they will also be tutored by an expert in Diet Therapy. In this way, TECH offers an update from the best professionals.

3. Entering First-Class Clinical Environments

TECH carries out a rigorous selection process of , both of the professionals who teach the theoretical framework and the and hospital clinical centers where the graduate will carry out his or her practical training. In this way, the professional will have guaranteed access to a first class university program, where they will be able to carry out an effective up-to-date, always accompanied by the best specialists.





Why Study this Hybrid Professional | 11 tech Master's Degree?

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

In an academic market full of programs that do not meet the needs of professionals, TECH breaks into the market with a program that moves away from the long hours of study and focuses on providing the latest knowledge in Diet Therapy. Therefore, this degree combines the most advanced theory with the most intensive practical phase. In this way, the professional will obtain a broad and current vision of this area.

5. Expanding the Boundaries of Knowledge

In this program, TECH has brought together an excellent team of professionals who have practiced their profession as nutritionists and doctors in leading hospitals. In addition, the clinical centers, where the practical stay can be carried out, have national and international projection. In this way, the professional will be surrounded at all times by the best in the field of Diet Therapy, integrating in his daily practice the techniques and procedures carried out by real experts.



Delve into the most relevant theory in this field, subsequently applying it in a real work environment"







tech 14 | Objectives



General Objective

With this Hybrid Professional Master's Degree in Diet Therapy, the professional
will be able to incorporate the latest developments in healthy eating into their daily
clinical practice, from a preventive approach. It also includes the most relevant
advances in the detection of syndromes and symptoms related to nutritional
problems. All this, with a theoretical-practical perspective, which will lead you to
obtain a global and broad vision of the current Diet Therapy



The most innovative multimedia content and the most effective practical stay will lead you to perfect the design of your nutritional plans and adapt them to patients with renal pathologies"





Specific Objectives

Module 1. Food, Health and Disease Prevention: Current Issues and Recommendations for the General Population

- Analyze patient's eating habits, as well as their problems and motivation
- Update nutritional recommendations based on scientific evidence for their application in clinical practice
- Prepare for the design of nutritional education strategies and patient care

Module 2. Assessment of Nutritional Status and Calculation of Personalized Nutritional Plans, Recommendations and Monitoring

- Adequate assessment of the clinical case, interpretation of causes and risks
- Personalized calculation of nutritional plans taking into account all individual variables
- Planning nutritional plans and models for a complete and practical recommendation

Module 3. Nutrition in Overweight, Obesity and their Comorbidities

- Adequate assessment of the clinical case, interpretation of causes of overweight and obesity, comorbidities and risks
- Calculate and individually prescribe the different models of hypocaloric diets
- Plan consultations and multidisciplinary team in obesity

Module 4. Nutrition in Childhood and Adolescence

- Up-to-date knowledge on childhood and adolescent overweight and obesity, epigenetic factors and advances in multidisciplinary management and treatment with special focus on the nutritional approach
- Broaden the specific therapeutic approach to eating disorders and genetic syndromes associated with nutritional alterations
- Study new evidence on feeding models in pediatrics and adolescent medicine. Useful tools for consultation
- Approach nutrition adapted to pediatric pathology





Module 5. Nutrition in Dysfunctions and Pathologies along the Digestive Tract

- Study the functioning of the digestive tract, functions and pathologies
- Complete evaluation of the clinical case and the digestive health
- Understanding the intestinal microbiota and its relationship with endocrine and nervous system

Module 6. Nutrition in Renal, Hepatic and Pancreatic Diseases

- Update knowledge of renal, hepatic and pancreatic functions and pathologies, and their relationship with nutrition
- · Assess clinical cases, application tools in nutrition consultation
- Plan nutritional treatments based on scientific evidence and assessment of evolution

Module 7. Nutrition in Endocrine-Metabolic and Autoimmune Pathologies

- Individualize nutritional planning for patients with insulin-dependent DM1 and DM2 and insulin resistance
- Explore adapted nutritional recommendations based on scientific evidence in autoimmune, endocrine and respiratory pathologies
- Delve into the prevention and treatment of sarcopenia and osteopenia

Module 8. Nutrition in Nervous System Pathologies

- Update on the scientific evidence of the relationship between nervous system pathologies and nutrition
- Assess the patient's needs and difficulties, in addition to an adequate assessment of the nutritional status
- Learn the main psychological aspects of patients with alterations of behavioral disorders





Module 9. Oncology Patient Nutrition

- Know how this pathology affects the nutritional level, from the organic, psychological and metabolic point of view
- Identify malnutrition in the context of a neoplastic disease as the only pathology or in the pluripathological patient, as well as to prevent them
- Personalize the nutritional treatment, covering the needs of the patient in antineoplastic treatment, and/or surgeries

Module 10. Nutrition for Health, Equity and Sustainability

- Analyze the scientific evidence regarding the impact of food on the environment
- Learn about current legislation in the food industry and consumption
- Assess the health effects derived from the current food model and the consumption of ultra-processed food



You will be able to deepen, through the most recent scientific evidence, the impact of the consumption of ultraprocessed foods on people's health"



tech 20 | Skills



General Skills

- Perform comprehensive nutritional assessments that take into account the psychological, social and pathological aspects of the patient
- Adapt dietary plans to the most recent advances in Diet Therapy
- Apply diets and dietary therapy planning to the field of prevention, clinic and education











Specific Skills

- Detect the patient's nutritional risks and needs from a holistic point of view
- Plan consultations, treatment goals, and techniques focused on improving adherence
- Perform dietary planning and assess psychological and quality of life aspects with adapted dietary recommendations
- Plan nutritional treatment based on scientific evidence in pathologies of the digestive system
- Plan nutritional treatment, supplementation and/or substitutes
- Plan menus for collectivities
- Apply dietary measures to improve symptoms and quality of life
- Integrate the concept of sustainability in the recommendation of healthy eating
- Create a flexible and personalized nutritional plan according to the patient's own demands





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Management



Dr. Vázquez Martínez, Clotilde

- Corporate Head of the Department of Endocrinology and Nutrition at the Fundación Jiménez Díaz University Hospital
- Head of the Endocrinology and Nutrition Section at the Ramón y Cajal University Hospital
- Head of Endocrinology and Nutrition Section at Severo Ochoa University Hospital
- President of the Society of Endocrinology, Nutrition and Diabetes of the Community of Madrid (SENDIMAD)
- Coordinator of the Therapeutic Education Group (GEET) of the Spanish Diabetes Society
- Doctor of the Faculty of Medicine, Universidad Autónoma de Madrid
- Degree in Medicine and Surgery from the Faculty of Medicine, University of Valencia
- Specialist in Endocrinology and Nutrition via MIR at the Fundación Jiménez Díaz University Hospital
- Abraham García Almansa Clinical Nutrition Lifetime Achievement Award
- Recognized among the 100 best Doctors in Spain according to Forbes list
- Castilla-La Mancha Diabetes Foundation (FUCAMDI) Diabetes and Nutrition Career Achievement Award



Dr. Sánchez Jiménez, Álvaro

- Specialist in Nutrition and Endocrinology at Jiménez Díaz Foundation University Hospital
- Nutritionist at Medicadiet
- Clinical Nutritionist specialized in Prevention and Treatment of Obesity, Diabetes and their Comorbidities
- Nutritionist in the Predimed Plus Study
- Nutritionist at Eroski
- Nutritionist at Axis Clinic
- Professor of the Master's Degree in Obesity and Comorbidities at the Rey Juan Carlos University
- Professor of the Course of Excellence in Obesity at the Fundación Jiménez Díaz University Hospital
- Graduate in Human Nutrition and Dietetics from the Complutense University of Madrid
- Nutrition and Food for the Elderly by the Complutense University of Madrid
- Nutrition and Sports for Professionals by the Fundación Tripartita
- Refresher Course on Practical Diabetes Type 1 and 2 for Health Professionals



Dr. Montoya Álvarez, Teresa

- Head of the Endocrinology and Nutrition Service of the Infanta Elena University Hospital
- Head of Volunteering at the Garrigou Foundation
- Graduate in Medicine and Surgery from Universidad de Navarra
- Master's Degree in Obesity and its Comorbidities: Prevention, Diagnosis and Integral Treatment at the University Rey Juan Carlos
- Course in Bariatric Antecedents of Surgery Patient Emergencies: Key References for the Attending Physician
- Member of: Institute for Health Research Foundation Jiménez Díaz, Health Commission of FEAPS Madrid and Trisomy 21 Research Society

Professors

Dr. Gutiérrez Pernia, Belén

- Obesity Nutritionist at Medicadiet
- · López-Nava Obesity Nutritionist Madrid
- Dietitian and Nutritionist in Research Projects of Predimed Plus
- Grade in Human Nutrition and Dietetics from the Autonomous University of Madrid
- Master's Degree in Clinical Nutrition and Endocrinology at the Institute of Nutrition and Health Sciences

Dr. Alcarria Águila, María del Mar

- Clinical Nutritionist at Medicadiet
- Clinical Obesity Nutritionist López-Nava
- Dietitian and Nutritionist in Predimed-Plus
- Grade in Human Nutrition and Dietetics from the Complutense University of Madrid
- Master's Degree in Sports Nutrition and Training from the Institute of Nutrition and Health Sciences (ICNS)

Mr. Martínez Martínez, Alberto

- Clinical Nutritionist in the Endocrinology and Nutrition Service of the Infanta Elena Hospital
- Clinical Nutritionist in the Endocrinology and Nutrition Service at the Rey Juan Carlos University Hospital
- Dietitian responsible for the menu of children with food allergy. Gastronomic
- Dietician- Clinical Nutritionist at the University Hospital Antonio
- Degree in Human Nutrition and Dietetics. Fluminense Federal University
- Graduate in Human Nutrition and Dietetics at the University of Valencia
- Master's Degree in Agri-environmental and Agri-food Sciences. Universidad Autónoma de Madrid

Dr. Fernández Menéndez, Amanda

- Specialist in Pediatric Endocrinology and Nutrition at the Fundación Jiménez Díaz University Hospital
- Specialist in Pediatrics at the Doctor Castroviejo Health Center (SERMAS)
- Assistant Physician Specialist in Pediatric Endocrinology and Nutrition at the Hospital Universitario La Paz
- International Cooperation in Health and Development in India (development of health projects in the field)
- Degree in Medicine and Surgery from the Autonomous University of Madrid
- Master's Degree in Obesity and its Comorbidities: Prevention, Diagnosis and Integral Treatment by the Universidad Rey Juan Carlos
- Expert in Clinical Bioethics from the Complutense University

Dr. Miguélez González, María

- Assistant Physician of Endocrinology and Nutrition at the Fundación Jiménez Díaz University Hospital in Madrid
- * Degree in Medicine from the University of Valladolid
- Teaching collaborator in seminars given to students of the Universidad Complutense de Madrid at the Complutense University of Madrid
- Professor of the Master Expert in Obesity and Metabolic Complications, endorsed by SEEDO

Dr. Prieto Moreno, Ana

- Nutritionist in the Department of Endocrinology and Nutrition at the Fundación Jiménez University Hospital
- Nutritionist at the Villalba General Hospital
- Nutritionist at the Infanta Elena University Hospital
- Nutritionist in the Superior Sports Council
- Nutritionist at WWF
- Nutritionist at Medicadiet
- Nutritionist in Sanitas Sociedad Anónima de Seguros
- Nutritionist at La Paz University Hospital
- Nutritionist at the Mapfre Foundation
- Nutritionist at Copernal Publishing
- Nutritionist in Diabetes Magazine
- Master in Obesity and its Comorbidities, Prevention Strategies, Diagnosis and Integral Treatment at the University of Alcalá
- Master's Degree in Physical Anthropology, Human Evolution and Biodiversity at the Complutense University of Madrid
- Degree in Human Nutrition and Dietetics at the Autonomous University of Madrid

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Dr. González Toledo, Beatriz María

- Nurse expert in Hemodialysis and Nutrition and Health
- Nephrology Nurse Unit of the Fundación Jiménez Díaz Hospital
- Nurse Director of Dialysis at the Íñigo Álvarez de Toledo Renal Foundation
- Master's Degree in Hemodialysis for Nurses at the Complutense University of Madrid
- · Master's Degree in Nutrition and Health at the Open University of Catalonia
- Univerity Expert in Peritoneal Dialysis for Nursing at Cardenal Herrera University
- Graduate in Nursing from the Autonomous University of Madrid

Ms. Yela Salguero, Clara

- Clinical Trials Coordinator Dietitian
- Dietician at the Jiménez Díaz Foundation Hospital
- · Clinical Trials Coordinator at the Ramón y Cajal Hospital
- Dietitian at the Severo Ochoa Hospital, in Leganés
- Dietician in the Integral Obesity Treatment Unit at the San José Hospital in Madrid
- Diploma in Human Nutrition and Dietetics at Alfonso X El Sabio University
- Degree in Food Science and Technology from the Complutense University of Madrid

Dr. Sanz Martínez, Enrique

- Clinical Nutritionist at the Hospital Universitario General de Villalba and Hospital Universitario Rey Juan Carlos
- Dietitian and Researcher in the PREDIMED PLUS project at the Instituto de Investigación Sanitaria de la Fundación Jiménez Díaz
- Researcher and collaborator in the NUTRICOVID study
- Researcher and collaborator in the OBESTIGMA cross-sectional prospective study
- * Graduate in Human Nutrition and Dietetics at the Complutense University of Madrid

- Master's Degree in Clinical Nutrition at the Catholic University of San Antonio in Murcia
- Master's Degree in Obesity and its Comorbidities: Prevention, Diagnosis and Integral Treatment at the University Rey Juan Carlos

Dr. Hoyas Rodríguez, Irene

- Specialist in Endocrinology and Nutrition
- Specialist in Endocrinology and Nutrition at the Fundación Jiménez Díaz and Infanta Elena Hospitals
- * Specialist in Endocrinology and Nutrition at the Beata María Ana Hospital
- Specialist in Endocrinology at the University Hospital 12 de Octubre
- · Degree in Medicine from the Complutense University of Madrid
- Postgraduate course in Treatment of Diabetes Mellitus Type 2 at the Autonomous University of Barcelona

Ms. López Escudero, Leticia

- Nutritionist at Diet Clinic
- * Dietician and Clinical Nutritionist at the Fundación Jiménez Díaz University Hospital
- Dietician and Clinical Nutritionist at the Hospital Universitario Infanta Elena
- Lecturer in Human Nutrition and Dietetics Degree Studies
- Graduate in Human Nutrition and Dietetics at the Complutense University of Madrid
- Master's Degree in Obesity and its Comorbidities: Prevention, Diagnosis and Integral Treatment at the University Rey Juan Carlos
- Master in Nutrition in Physical Activity and Sport at the Universitat Oberta de Catalunya (UOC)

Dr. Modroño Móstoles, Naiara

- Specialist in Endocrinology
- * Specialist in Endocrinology at the Fundación Jiménez Díaz University Hospital
- * Specialist in Endocrinology at the Infanta Elena University Hospital
- Medical Specialist in Endocrinology at the University Hospital of Getafe
- Author of various articles published in scientific journals
- Postgraduate Certificate in Treatment of Diabetes Mellitus Type 2 at the Autonomous University of Barcelona

Dr. Núñez Sanz, Ana

- Dietitian and Nutritionist Expert in Pregnancy, Breastfeeding and Infancy
- López-Nava Obesity Nutritionist
- Nutritionist at Medicadiet
- Dietitian and nutritionist freelancer
- Dietitian and nutritionist at Menudiet SL
- Contributor on food and nutrition in Castilla La Mancha Television
- Promoter of talks and workshops on healthy eating for kindergartens, schools and companies
- Graduate in Human Nutrition and Dietetics at the Complutense University of Madrid
- Master's Degree in Nutrition and Health at the Open Official of Catalonia

Ms. Labeira Candel, Paula

- Clinical nutritionist in the Bariatric Endoscopy Unit at HM Hospitales
- Sports and clinical nutritionist at the Clinic Institute of Instituto de Sobrepeso y Obesidad
- Nutritionist Sports and Clinical at Medicadiet, Slimming & Nutrition
- Sports Nutritionist at CF TrivalValderas of Alcorcón
- Food and water quality analyst in the Andalusian Health Service
- Diploma in Human Nutrition and Dietetics at the Pablo Olavide University of Seville
- Bachelor 's Degree in Food Science and Technology
- Diploma in Human Nutrition and Dietetics
- * Master's Degree in Sports Training and Nutrition at the European University of Madrid

Ms. Manso del Real, Paula

- Nursing Supervisor of the Dialysis Unit of the Íñigo Álvarez de Toledo Renal Foundation
- Nephrology Nurse at the Nephrology Unit of the Fundación Jiménez Díaz University Hospital
- Diploma in Nursing at the Francisco de Vitoria University
- Degree in International Cooperation and Health Promotion at the Francisco de Vitoria University
- Expert in Emergency Medicine at the Complutense University of Madrid
- Master's Degree in Hemodialysis for Nursing at the Complutense University of Madrid





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Module 1. Food, Health and Disease Prevention: Current Issues and Recommendations for the General Population

- 1.1. Feeding Habits in the Current Population and Health Risks
- 1.2. Mediterranean and Sustainable Diet
 - 1.2.1. Recommended Dietary Pattern
- 1.3. Comparison of Dietary Patterns or "Diets"
- 1.4. Nutrition in Vegetarians
- 1.5. Childhood and Adolescence
 - 1.5.1. Nutrition, Growth and Development
- 1.6. Adults
 - 1.6.1. Nutrition for the Improvement of Quality of Life
 - 1.6.2. Prevention
 - 1.6.3. Treatment of disease
- 1.7. Pregnancy and Lactation Recommendations
- 1.8. Recommendations in Menopause
- 1.9. Advanced Age
 - 1.9.1. Nutrition in Aging
 - 1.9.2. Changes in Body Composition
 - 1.9.3. Abnormalities
 - 1.9.4. Malnutrition
- 1.10. Nutrition in Athletes

Module 2. Assessment of Nutritional Status and Calculation of Personalized Nutritional Plans, Recommendations and Monitoring

- 2.1. Medical History and Background
 - 2.1.1. Individual Variables Affecting Nutritional Plan Response
- 2.2. Anthropometry and Body Composition
- 2.3. Assessment of Eating Habits
 - 2.3.1. Nutritional Assessment of Food Consumption
- 2.4. Interdisciplinary Team and Therapeutic Circuits
- 2.5. Calculation of Energy Intake
- 2.6. Calculation of Recommended Macro- and Micronutrient Intakes

- 2.7. Quantity and Frequency of Food Consumption Recommendations
 - 2.7.1. Dietary Patterns
 - 2.7.2. Education
 - 2.7.3. Distribution of Daily Feedings
- 2.8. Diet Planning Models
 - 2.8.1. Weekly Menus
 - 2.8.2. Daily Intake
 - 2.8.3. Methodology by Food Exchanges
- 2.9. Hospital Nutrition
 - 2.9.1. Dietary Models
 - 2.9.2. Decision Algorithms
- 2.10. Educational
 - 2.10.1. Psychological Aspects
 - 2.10.2. Maintenance of Feeding Habits
 - 2.10.3. Discharge Recommendations

Module 3. Nutrition in Overweight, Obesity and their Comorbidities

- 3.1. Pathophysiology of Obesity
 - 3.1.1. Precision Diagnosis
 - 3.1.2. Analysis of Underlying Causes
- 3.2. Phenotypic Diagnosis
 - 3.2.1. Body Composition and Calorimetry and Impact on Personalized Treatment
- 3.3. Treatment Target and Hypocaloric Diet Models
- 3.4. Prescription of Physical Exercise in Overweight and Obesity
- 3.5. Psychology Associated with Slimming Nutrition: Psychonutrition
- 3.6. Comorbidities Associated with Obesity
 - 3.6.1. Nutritional Management in Metabolic Syndrome
 - 3.6.2. Insulin Resistance
 - 3.6.3. Type 2 Diabetes and Diabesity
- 3.7. Cardiovascular Risk and Nutritional Adaptations in Hypertension, Dyslipidemias and Atherosclerosis
- 3.8. Digestive Pathologies Associated with Obesity and Dysbiosis
- Pharmacological Treatment in Obesity and Drug-Nutrient Interactions and Adaptation of the Nutritional Plan
- 3.10. Bariatric and Endoscopic Surgery
 - 3.10.1. Nutritional Adaptations

Module 4. Nutrition in Childhood and Adolescence

- 4.1. Causes and Interrelated Factors of Childhood Obesity
 - 4.1.1. Obesogenic Environment in Childhood
 - 4.1.2. Assessment of Individual, Family and Socioeconomic Problems
- 4.2. Risks of Childhood Obesity
 - 4.2.1. Prevention and Adapted Diet Therapy
 - 4.2.2. Physical Activity and Physical Exercise
- 4.3. Nutritional Education
 - 4.3.1. Nutritional Recommendations
 - 4.3.2. Personalized Calculation of Plans for the Treatment of Childhood and Adolescent Obesity
- 4.4. Dietary Patterns and Food Recommendations
 - 4.4.1. Consultation Tools
- 4.5. Genetic Alterations and Predisposition to Obesity in Children and Adults
- 4.6. Prevention and Management of Other Eating Disorders in Children and Adolescents
- 4.7. Psychological Aspects of Childhood Obesity in Nutritional Consultation
- 4.8. Nutrition in Special Situations: Celiac Disease Food Allergy
- 4.9. Nutrition in Special Situations: Diabetes and Dyslipemia
- 4.10. Nutrition and Growth Disorders
 - 4.10.1. Nutrition in Later Stages of the Preterm or SGA Patient

Module 5. Nutrition in Dysfunctions and Pathologies along the Digestive Tract

- 5.1. Digestive History, and Assessment of Variables, Symptomatology and Previous Eating Habits
- 5.2. Mouth: Nutrition in Mucositis, Xerophthalmia, Dysphagia, and Oral Dysbiosis
- 5.3. Esophagus: Nutrition in Gastroesophageal Reflux Disease and Barret's Esophagus
- 5.4. Stomach: Nutrition in Gastritis, Hiatus Hernia, Dyspepsia, Helicobacter Pylori Infection
- 5.5. Constipation and Symptomatology
 - 5.5.1. Associated Pathologies
- 5.6. Acute and Chronic Diarrhea
- 5.7. Inflammatory Bowel Diseases
- 5.8. Differentiation between Malabsorption, Intolerances and Allergies
 - 5.8.1. Enzyme Deficiency and Immune System
 - 5.8.2. Diet Low in Histamine and DAO Deficiency

- 5.9. Dysbiosis, Bacterial Overgrowth and Nutrient Malabsorption
- 5.10. Celiac Disease and Non-Celiac Gluten Sensitivity (NCGS)

Module 6. Nutrition in Renal, Hepatic and Pancreatic Diseases

- 6.1. Nutrients
 - 6.1.1. Enzymatic Activity, Metabolism, Filtration and Diuresis
- 6.2. Habits, Risks, Previous and Causative Comorbidities, and Assessment of Feeding Habits
- 6.3. Nutrition in CKD: Predialysis
- 6.4. Nutrition in CKD: Dialysis: Renal Transplantation
- 6.5. Diabetic Nephropathy
- 6.6. Renal Lithiasis
- 5.7. Pancreatic Insufficiency
- 6.8. Non-Alcoholic Hepatic Steatosis, Fibrosis, Hepatic Cirrhosis and Vesicular Lithiasis
- 6.9. Modulation of the Intestinal Microbiota in Renal, Pancreatic and Hepatic Pathology
- 6.10. Psychological Aspects and Planning of Objectives and Consultations

Module 7. Nutrition in Endocrine-Metabolic and Autoimmune Pathologies

- 7.1. Type 1 Diabetes
 - 7.1.1. Nutrition in Insulin-Dependent Patients
- 7.2. Insulin Resistance and Type 2 Diabetes
- 7.3. Nutrition in Thyroid Disorders
 - 7.3.1. Hypothyroidism
 - 7.3.2. Hyperthyroidism
- 7.4. Nutrition and Circadian Rhythms: Chronobiology
- 7.5. Nutrition in the Physiological Menstrual Cycle and its Alterations
 - 7.5.1. Amenorrea
 - 7.5.2. Polycystic Ovarian Syndrome
 - 7.5.3. Endometriosis
- 7.6. Nutrition in Autoimmune Pathology
 - 7.6.1. Rheumatoid Arthritis
 - 7.6.2. Psoriasis
 - 7.6.3. Lupus
- 7.7. Muscle
 - 7.7.1. Sarcopenia

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- 7.8. Bone Health
 - 7.8.1. Osteopenia
 - 7.8.2. Osteoporosis
- 7.9. Nutrition in Pulmonary Pathologies
 - 7.9.1. Cystic Fibrosis
 - 7.9.2. COPD
 - 7.9.3. Obstructive Sleep Apnea Syndrome (OSAS)
- 7.10. Chronic Fatigue, Anemia and Vitamin D Deficiency

Module 8. Nutrition in Nervous System Pathologies

- 8.1. Nutrition in the Prevention of Cognitive Impairment, Dementia and Alzheimer's Disease
- 8.2. Nutrition and Psychoaffective Pathologies
 - 8.2.1. Depression
 - 8.2.2. Bipolar Disorder
- 8.3. Pathologies with Altered Eating Behavior
 - 8.3.1. Schizophrenia
 - 8.3.2. Borderline Personality Disorder
- 8.4. Eating Disorders
 - 8.4.1. Anorexia
 - 8.4.2. Bulimia
 - 8.4.3. BED
- 8.5. Nutrition in Degenerative Pathologies
 - 8.5.1. Multiple Sclerosis
 - 8.5.2. Amyotrophic Lateral Sclerosis
 - 8.5.3. Muscular Dystrophies
- 8.6. Nutrition in Pathologies with Uncontrolled Movement
 - 8.6.1. Parkinson's Disease
 - 8.6.2. Huntington's Disease
- 8.7. Nutrition in Epilepsy
- 8.8. Nutrition in Neuralgias
 - 8.8.1. Chronic Pain
- 8.9. Nutrition in Severe Neurological Injuries
- 8.10. Toxics, Bioactive Compounds, Intestinal Microbiota and their Relationship to Nervous System Diseases

Module 9. Oncology Patient Nutrition

- 9.1. Pathophysiology of Cancer
- 9.2. Relationship of Cancer with Eating Habits and Potential Carcinogens
- 9.3. Assessment of Nutritional Status in the Oncologic Patient
- 9.4. Nutrient-Antineoplastic Treatment Interaction
 - 9.4.1. Specific Changes in the Most Frequently Used Antineoplastic Agents
- 9.5. Psychological Aspects in the Patient and General Nutritional Recommendations in the Oncology Patient
- Nutrition in the Appetite and Swallowing Alterations Caused by the Pathology or Treatments
 - 9.6.1. Anorexia
 - 9.6.2. Dysgeusia
 - 9.6.3. Dysphagia
 - 9.6.4. Mucositis
 - 9.6.5. Xerostomia
- 9.7. Nutrition in Digestive Disorders Caused by Pathology or Treatments
 - 9.7.1. Malabsorption
 - 9.7.2. Diarrhea
 - 9.7.3. Dysbiosis
 - 9.7.4. Constipation
- 9.8. Nutrition in Metabolic Alterations Caused by the Pathology: Cachexia
- 9.9. Nutrition Before and After Oncological Surgery
 - 9.9.1. Head and Neck
 - 9.9.2. Esophageal
 - 9.9.3. Gastric
 - 9.9.4. Pancreaticobiliary
 - 9.9.5. Small and Large Intestine
- 9.10. Hospital Nutrition
 - 9.10.1. Oral
 - 9.10.2. Enteral
 - 9.10.3. Parenteral

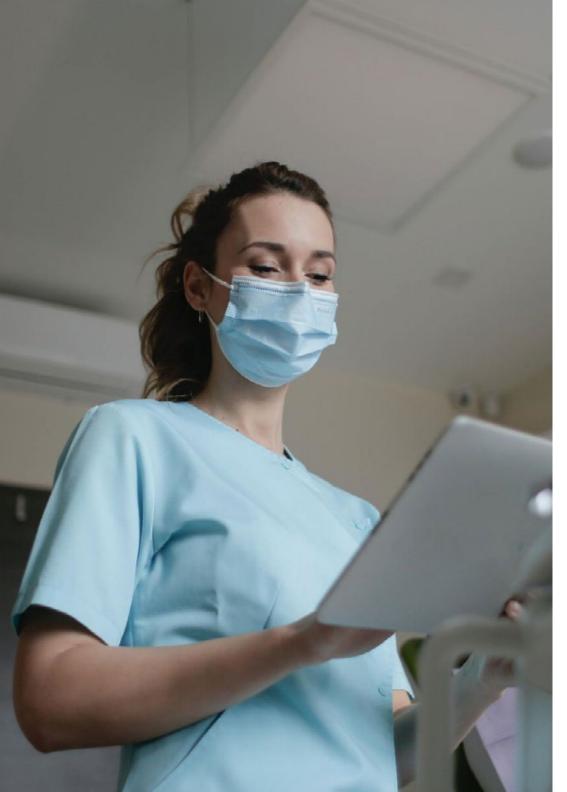




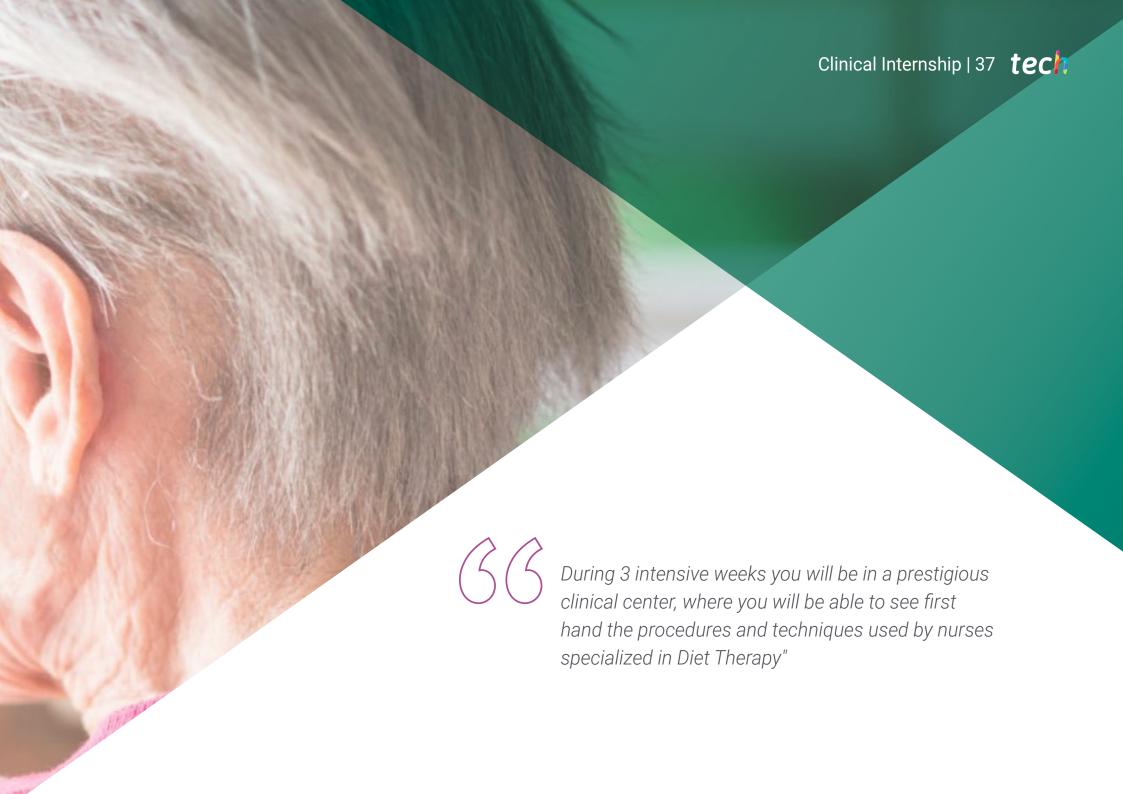
- 10.1. Sustainable Nutrition, Food Variables Influencing the Ecological Footprint
 - 10.1.1. Carbon Footprint
 - 10.1.2. Water Footprint
- 10.2. Food Waste as an Individual Problem and as a Problem Associated with the Food Industry
- 10.3. Biodiversity Loss at Different Levels and its Impact on Human Health: Microbiota
- 10.4. Toxics and Xenobiotics in Food and their Effects on Health
- 10.5. Current Food Legislation10.5.1. Labeling, Additives and Regulatory Proposals in Marketing and Advertising
- 10.6. Nutrition and Endocrine Disruptors
- 10.7. The Global Obesity and Malnutrition Epidemic, Associated with Inequity: "A Planet of Fat and Hungry People"
- 10.8. Feeding in Childhood and Youth and Habits Acquisition in Adulthood10.8.1. Ultraprocessed Foods and Beverages Other Than Water: A Population Problem
- 10.9. Food Industry, Marketing, Advertising, Social Networks and their Influence on Food Choice
- 10.10. Healthy, Sustainable and Non-Toxic Food Recommendations: Policy



You will be able to deepen through the nutritional guidelines currently recommended for patients with pulmonary pathologies"







At the end of the theoretical stage, the nursing professional will enter a first level practical stay. A 3-week process, where you will be tutored by nurses, true experts in the field of Diet Therapy, who will show you the technical and methodological advances in this area. Therefore, from Monday to Friday and in consecutive 8-hour days, the graduate will be able to actively participate in the actions carried out in a prestigious clinical center.

In this way, This stay allow you to deal with real patients with a team of reference professionals in the of area, applying the most innovative diagnostic procedures and planning the latest generation Therapeutics in each pathology. A highly demanding environment, which requires rigor and extensive skills in patient care.

An excellent opportunity to access an up-to-date, in an environment of maximum professionalism, offered by this academic institution. An environment that becomes, during this practical process, the ideal setting for nurses to perfect their skills through a unique practical experience.

The practical part 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 nursing practice in the field of Diet Therapy (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:



You will expand your nutritional competencies and adapt dietary recommendations to improve the quality of life of oncology patients"





Module	Practical Activity
Nutritional Assessment	To help Perform comprehensive nutritional assessments that take into account the psychological, social and pathological aspects of the patient
	Participate in the Adapt dietary from plans to the most recent advances in Diet Therapy
	Collaborative Games into the detection of the patient's nutritional risks and needs from a holistic point of view
	Analyze the patient's motivational elements and adapt the nutritional planning to these elements
Nutritional planning	Collaborate in the Apply diets and dietary therapy La planning to in field of prevention, clinic and education
	To help Plan consultations, treatment goals, and techniques focused on improving adherence
	Support for Perform dietary planning and assess psychological and quality of life aspects with adapted dietary recommendations
	Integrate Integrative the concept of sustainability in the recommendation of healthy eating
Caring for Patients with Obesity	To help Calculate and individually prescribe the different models of hypocaloric diets
	Cooperate with the multidisciplinary obesity team in the planning of consultations
	Provide support in the evaluation of the clinical case, interpretation of the cause of overweight and obesity
	Contribute to the creation of a flexible and personalized nutritional plan taking into account all the variables and demands of the patient
Management of the Patient with Different Pathologies	Perform complete patient assessment and plan nutritional treatment based on digestive system pathologies
	Plan nutritional treatment, supplementation and/or substitutes
	Participate in the planning and Apply dietary from measures to improve symptoms and quality of life
	Support adapted nutritional recommendations for different pathologies (renal, hepatic, endocrine-metabolic, nervous system)

Civil Liability Insurance

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

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

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



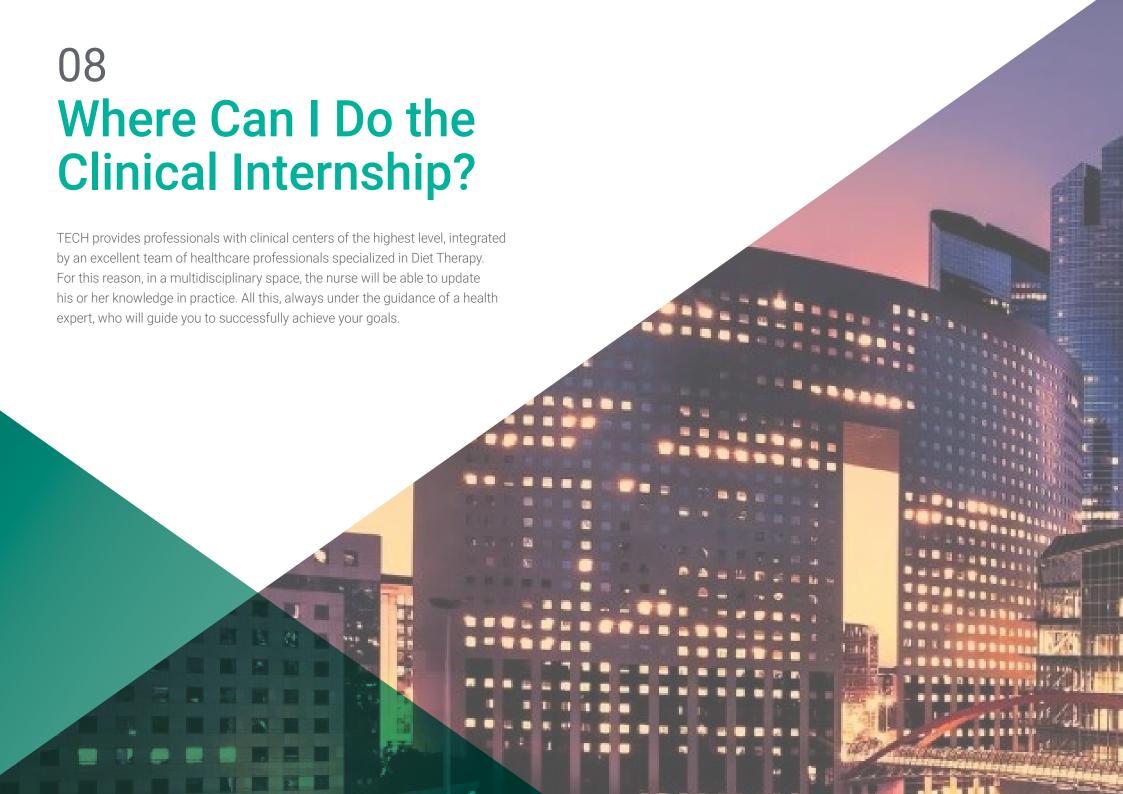
General Conditions of the Internship Program

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

- 1. TUTOR: During the Hybrid Professional Master's Degree, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.
- **2. DURATION:** The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.
- 3. ABSENCE: If the students does not show up on the start date of the Hybrid Professional Master's Degree, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor.

- **4. CERTIFICATION**: Professionals who pass the Hybrid Professional Master's Degree will receive a certificate accrediting their stay at the center.
- **5. EMPLOYMENT RELATIONSHIP:** the Hybrid Professional Master's Degree shall not constitute an employment relationship of any kind.
- **6. PRIOR EDUCATION:** Some centers may require a certificate of prior education for the Hybrid Professional Master's Degree. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed
- 7. DOES NOT INCLUDE: The Hybrid Professional Master's Degree will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed

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

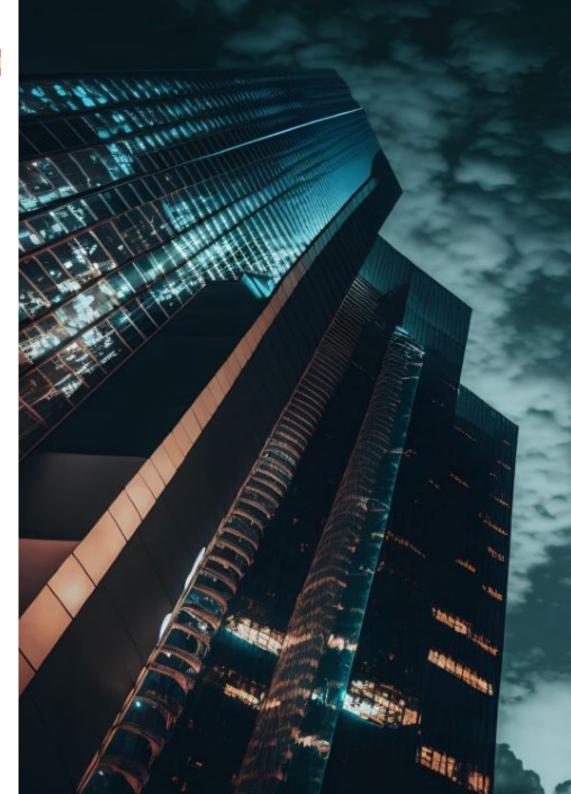




tech 44 | Where Can I Do the Clinical Internship?

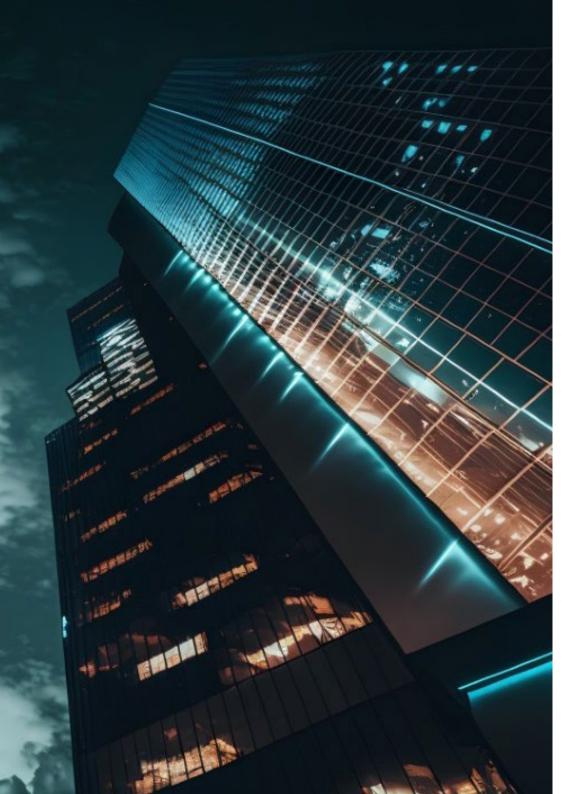
The student will be able to complete the practical part of this Hybrid Professional Master's Degree at the following centers:



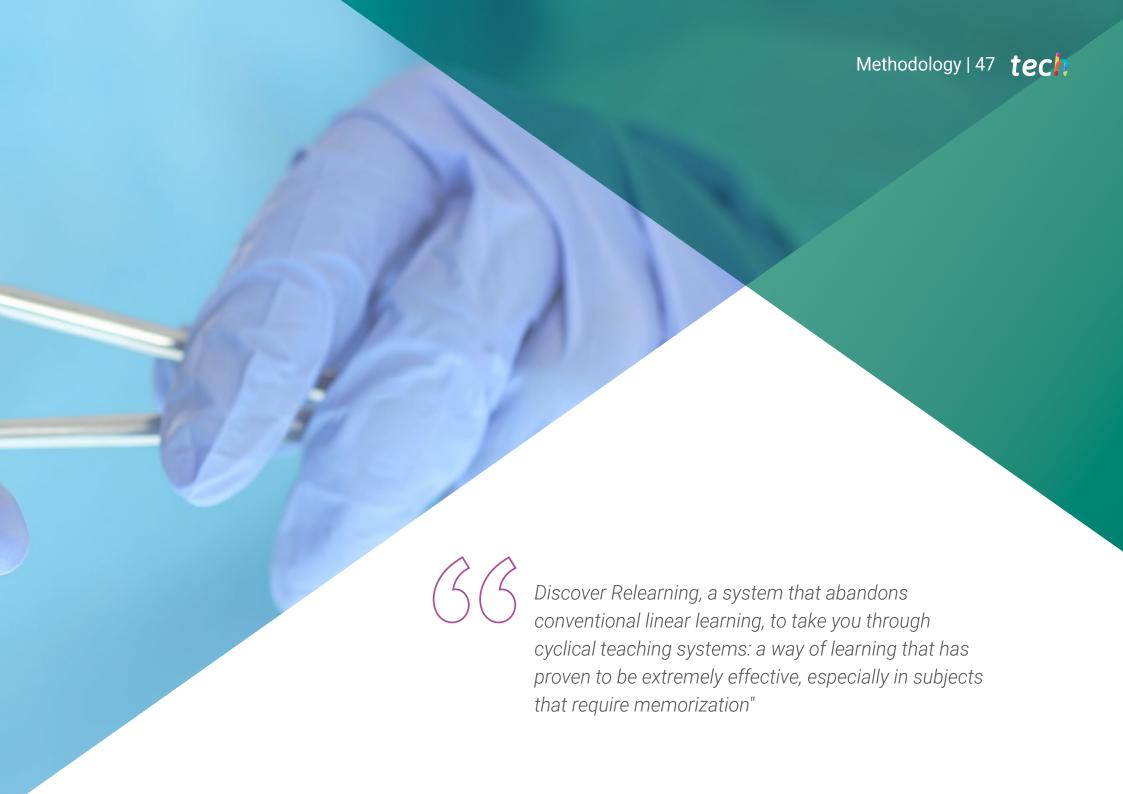




Learn about the latest diagnostic technology used in Diet Therapy through a unique stay in the academic panorama"





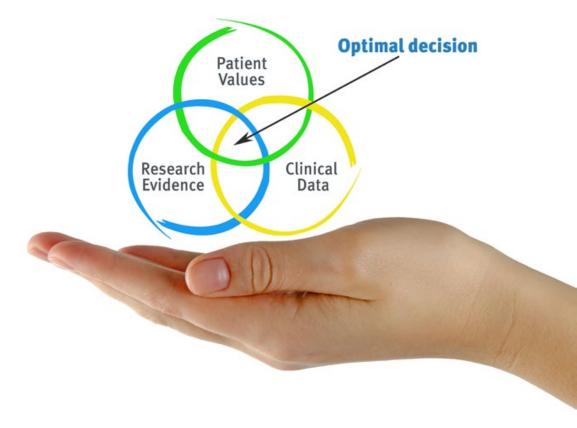


tech 48 | Methodology

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. 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, 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:

- 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.



Methodology | 51 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 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

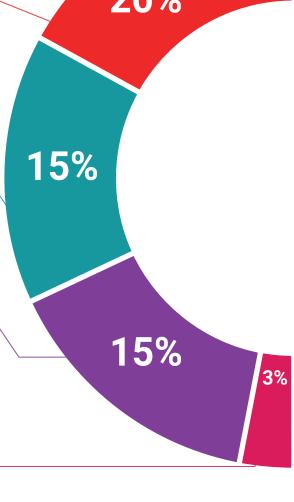
We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch them as many times as you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

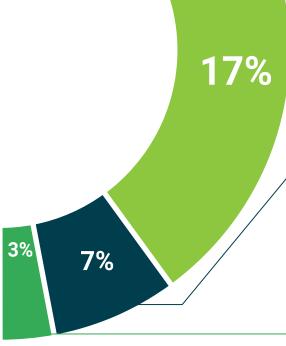
There is scientific evidence suggesting that observing third-party experts can be useful.

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.



20%





tech 56 | Certificate

This **Hybrid Professional Master's Degree in Diet Therapy for Nursing** contains the most complete and up-to-date program on the professional and scientific field.

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

In addition to the diploma, 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 Diet Therapy for Nursing

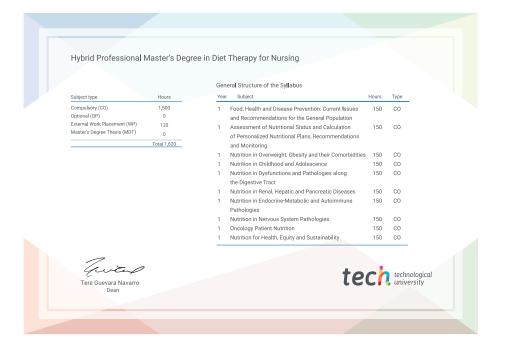
Modality: Hybrid (Online + Clinical Internship)

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 diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

health confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment



Hybrid Professional Master's DegreeDiet Therapy for Nursing

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Technological University

Teaching Hours: 1,620 h

