

Advanced Master's Degree Clinical Nutrition for Nursing

Accreditation/Membership





Advanced Master's Degree Clinical Nutrition for Nursing

- » Modality: Online
- » Duration: 2 years
- » Certificate: TECH Global University
- » Accreditation: 120 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/us/nursing/advanced-master-degree/advanced-master-degree-clinical-nutrition-nursing

Index

01

Introduction to the Program

p. 4

02

Why Study at TECH?

p. 8

03

Syllabus

p. 12

04

Teaching Objectives

p. 26

05

Career Opportunities

p. 34

06

Software Licenses Included

p. 38

07

Study Methodology

p. 42

08

Teaching Staff

p. 52

09

Certificate

p. 78

01

Introduction to the Program

The application of Clinical Nutrition in the field of Nursing offers significant benefits for patients and health professionals. First, it allows for comprehensive care, addressing not only immediate medical needs, but also those related to food and diet, which contributes to improving the overall well-being of the patient. In addition, Clinical Nutrition applied by trained nurses can help prevent complications related to malnutrition, accelerate recovery after medical procedures and promote a healthy lifestyle in the long term. In this context, TECH has designed this comprehensive 100% online program, allowing graduates to connect from anywhere and at any time, using the innovative Relearning methodology, pioneered by this institution.



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A comprehensive and 100% online program, exclusive to TECH, with an international perspective backed by our membership in the National League for Nursing"

Clinical Nutrition is a crucial area within healthcare, as it plays an essential role in the prevention, treatment, and management of various pathologies. As healthcare systems evolve, nursing staff must adapt their competencies to advancements in the clinical and nutritional fields to provide comprehensive care to patients.

In this context, the Advanced Master's Degree in Clinical Nutrition for Nursing from TECH presents a unique opportunity to update and expand the necessary knowledge in this fundamental discipline. Through a comprehensive academic approach, the program will cover nutritional management in chronic diseases, the assessment of patients' nutritional status, the interactions between nutrition and medical treatments, as well as the latest scientific evidence on nutritional supplements and their integration into daily practice. In this way, specialists will acquire the necessary skills to manage their patients' nutrition effectively and professionally.

Additionally, this university program will be delivered 100% online, allowing professionals to access the content anytime and from anywhere. Thanks to the Relearning methodology, they will progressively and consistently train, reinforcing the knowledge acquired throughout the program. This, combined with the flexibility to learn at their own pace, ensures a high-quality academic experience that perfectly adapts to their professional and personal needs. As an added benefit, nurses will have access to exclusive Masterclasses, led by distinguished International Guest Directors of the highest caliber.

As a member of the **National League for Nursing (NLN)**, TECH offers students access to assessment tools, digital libraries, webinars, and conferences focused on nursing educational excellence. This membership promotes professional development, networking with industry leaders, and the opportunity to join high-impact academic and clinical networks.

This **Advanced Master's Degree in Clinical Nutrition for Nursing** contains the most complete and up to date university program on the market. Its most notable features are:

- ♦ The development of practical cases presented by experts in Nursing
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Special emphasis on innovative methodologies in Clinical Nutrition for Nursing
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ The availability of access to the contents from any fixed or portable device with an Internet connection



You will benefit from innovative Masterclasses led by international experts, pioneers in the therapeutic integration of scientific advancements in Clinical Nutrition"

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You will immerse yourself in food policies, community nutritional education, clinical nutrition research, and evidence-based practices. What are you waiting for to enroll?

Its teaching staff includes professionals from the field of Nurses, who bring to this program the experience of their work, as well as recognized specialists from reference societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive learning experience designed to prepare for real-life situations.

This program is designed around Problem-Based Learning, whereby the student must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts.

You will explore topics such as pharmacology related to nutrition, managing complex clinical cases, and effective communication with patients and healthcare teams.

You will dive deeper into aspects of Nutrition, such as digestive physiology, nutrient metabolism, and specific dietary needs at different stages of life and health conditions.



02

Why Study at TECH?

TECH is the world's largest online university. With an impressive catalog of more than 14,000 university programs, available in 11 languages, it is positioned as a leader in employability, with a 99% job placement rate. In addition, it has a huge faculty of more than 6,000 professors of the highest international prestige.



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Study at the largest online university in the world and ensure your professional success. The future begins at TECH”

The world's best online university, according to FORBES

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future".

The best top international faculty

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

The world's largest online university

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world.



The most complete syllabuses on the university scene

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills. and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

A unique learning method

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

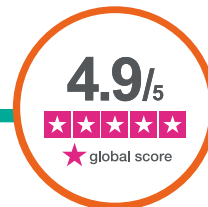
Leaders in employability

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.



Google Premier Partner

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.



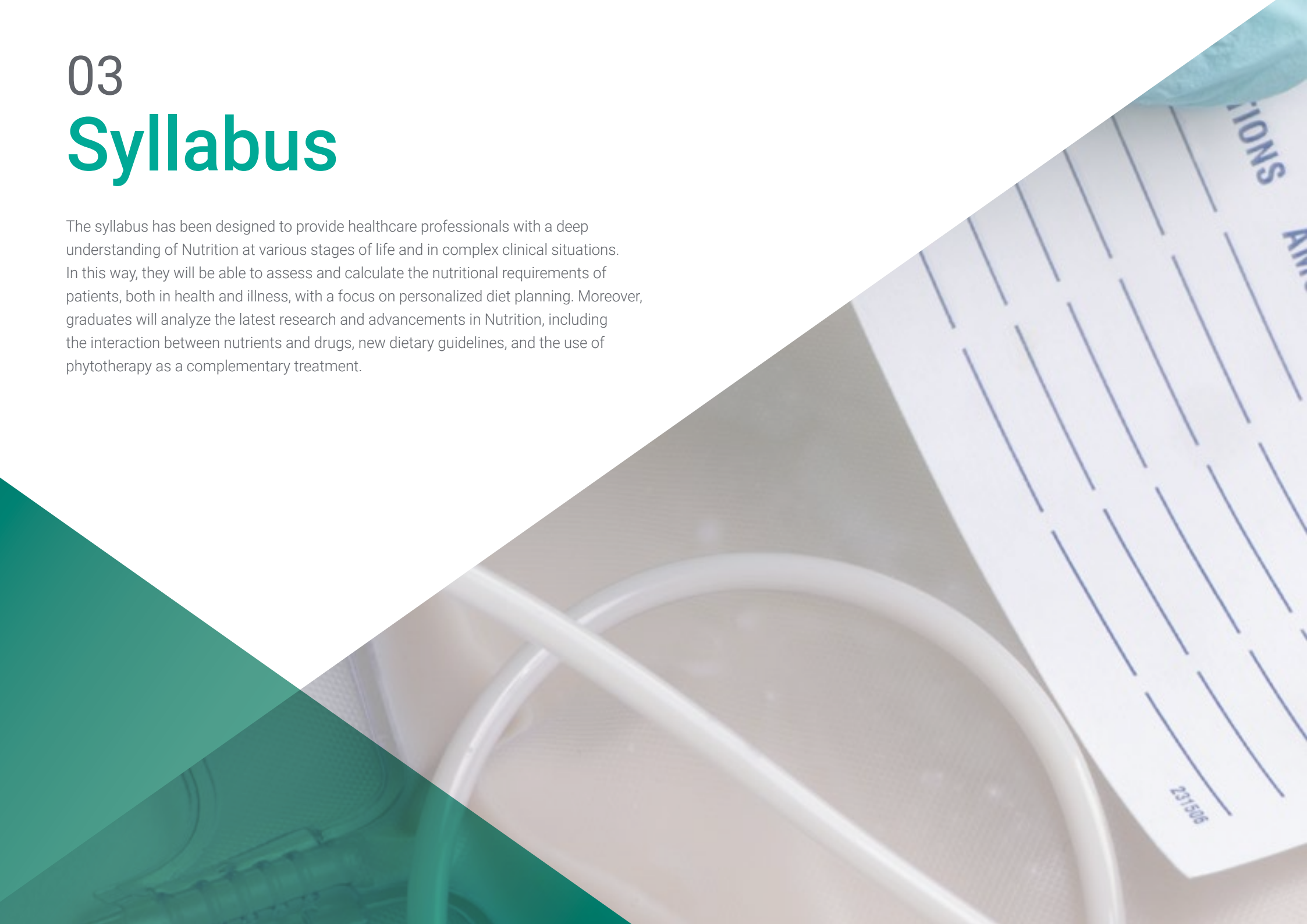
The top-rated university by its students

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.



03 Syllabus

The syllabus has been designed to provide healthcare professionals with a deep understanding of Nutrition at various stages of life and in complex clinical situations. In this way, they will be able to assess and calculate the nutritional requirements of patients, both in health and illness, with a focus on personalized diet planning. Moreover, graduates will analyze the latest research and advancements in Nutrition, including the interaction between nutrients and drugs, new dietary guidelines, and the use of phytotherapy as a complementary treatment.





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Choose TECH! You will address current trends in Nutrition, such as the impact of food allergies and intolerances, and recent discoveries in the relationship between genetics and Nutrition”

Module 1. New Developments in Nutrition

- 1.1. Molecular Foundations of Nutrition
- 1.2. Update on Food Composition
- 1.3. Food Composition Tables and Nutritional Databases
- 1.4. Phytochemicals and Non-Nutritive Compounds
- 1.5. New Food
 - 1.5.1. Functional Nutrients and Bioactive Compounds
 - 1.5.2. Probiotics, Prebiotics, and Symbiotics
 - 1.5.3. Quality and Design
- 1.6. Organic Food
- 1.7. Genetically Modified Foods
- 1.8. Water as a Nutrient
- 1.9. Food Safety
 - 1.9.1. Physical, Chemical, and Microbiological Hazards
- 1.10. New Food Labeling and Consumer Information
- 1.11. Phytotherapy Applied to Nutritional Pathologies

Module 2. Nutrigenetics I

- 2.1. Nutrigenetics Authorities and Organizations
 - 2.1.1. NUGO
 - 2.1.2. ISNN
 - 2.1.3. Evaluation Committees
- 2.2. GWAS I Studies
 - 2.2.1. Population Genetics - Design and Use
 - 2.2.2. Hardy-Weinberg Law
 - 2.2.3. Linkage Imbalance
- 2.3. GWAS II
 - 2.3.1. Allelic and Genotypic Frequencies
 - 2.3.2. Gene-Disease Association Studies
 - 2.3.3. Association Models (Dominant, Recessive, Co-dominant)
 - 2.3.4. Genetic Scores



- 2.4. The Discovery of Nutrition-Related SNPs
 - 2.4.1. Key Studies-Design
 - 2.4.2. Main Results
- 2.5. The Discovery of SNPs Associated with Nutrition-Related Diseases (Diet-Depended)
 - 2.5.1. Cardiovascular Diseases
 - 2.5.2. Diabetes Mellitus Type II
 - 2.5.3. Metabolic Syndrome
- 2.6. Main Obesity-Related GWAS
 - 2.6.1. Strengths and Weaknesses
 - 2.6.2. The FTO Example
- 2.7. Circadian Control of Intake
 - 2.7.1. Gut-Brain Axis
 - 2.7.2. Molecular and Neurological Basis of the Brain-Gut Connection
- 2.8. Chronobiology and Nutrition
 - 2.8.1. Central Clock
 - 2.8.2. Peripheral Clocks
 - 2.8.3. Circadian Rhythm Hormones
 - 2.8.4. Intake Control (Leptin and Ghrelin)
- 2.9. SNPs Related to Circadian Rhythms
 - 2.9.1. Regulatory Mechanisms of Satiety
 - 2.9.2. Hormones and Intake Control
 - 2.9.3. Possible Pathways Involved

Module 3. Nutrigenetics II. Key Polymorphisms

- 3.1. Obesity-Related SNPs
 - 3.1.1. The Tale of the Obese Monkey
 - 3.1.2. Appetite Hormones
 - 3.1.3. Thermogenesis
- 3.2. Vitamin-Related SNPs
 - 3.2.1. Vitamin D
 - 3.2.2. B Complex Vitamins
 - 3.2.3. Vitamin E

- 3.3. Exercise-Related SNPs
 - 3.3.1. Strength vs. Competition
 - 3.3.2. Sports Performance
 - 3.3.3. Injury Prevention/Recovery
- 3.4. Oxidative Stress/Detoxification-related SNPs
 - 3.4.1. Genes Encoding Enzymes
 - 3.4.2. Anti-Inflammatory Processes
 - 3.4.3. Phase I+II of Detoxification
- 3.5. SNP related to Addictions
 - 3.5.1. Caffeine
 - 3.5.2. Alcohol
 - 3.5.3. Salt
- 3.6. SNP Related to Flavor
 - 3.6.1. Sweet Taste
 - 3.6.2. Salty Taste
 - 3.6.3. Bitter Taste
 - 3.6.4. Acid Taste
- 3.7. SNP vs. Allergies vs. Intolerances
 - 3.7.1. Lactose
 - 3.7.2. Gluten
 - 3.7.3. Fructose
- 3.8. PESA Study

Module 4. Nutrigenetics III

- 4.1. SNPs Predisposing to Complex Nutrition-Related Diseases - Genetic Risk Scores (GRS)
- 4.2. Type II Diabetes
- 4.3. Hypertension
- 4.4. Arteriosclerosis
- 4.5. Hyperlipidemia
- 4.6. Cancer
- 4.7. The Exposome Concept
- 4.8. Metabolic Flexibility Concept
- 4.9. Current Studies and Challenges for the Future

Module 5. Nutrigenomics

- 5.1. Differences and Similarities with Nutrigenetics
- 5.2. Bioactive Components of Diet on Gene Expression
- 5.3. The Effect of Micro and Macronutrients on Gene Expression
- 5.4. The Effect of Dietary Patterns on Gene Expression
 - 5.4.1. The Mediterranean Diet Example
- 5.5. Main Studies in Gene Expression
- 5.6. Genes Related to Inflammation
- 5.7. Genes Related to Insulin Sensitivity
- 5.8. Genes related to Lipid Metabolism and Adipose Tissue Differentiation
- 5.9. Genes Related to Arteriosclerosis
- 5.10. Genes Related to the Myoskeletal System

Module 6. Metabolomics-Proteomics

- 6.1. Proteomics
 - 6.1.1. Principles of Proteomics
 - 6.1.2. The Flow of Proteomics Analysis
- 6.2. Metabolomics
 - 6.2.1. Principles of Metabolomics
 - 6.2.2. Targeted Metabolomics
 - 6.2.3. Non-Targeted Metabolomics
- 6.3. The Microbiome/Microbiota
 - 6.3.1. Microbiome Data
 - 6.3.2. Human Microbiota Composition
 - 6.3.3. Enterotypes and Diet
- 6.4. Main Metabolomic Profiles
 - 6.4.1. Application to Disease Diagnosis
 - 6.4.2. Microbiota and Metabolic Syndrome
 - 6.4.3. Microbiota and Cardiovascular Diseases. Effect of the Oral and Intestinal Microbiota

- 6.5. Microbiota and Neurodegenerative Diseases
 - 6.5.1. Alzheimer's Disease
 - 6.5.2. Parkinson's Disease
 - 6.5.3. ALS
- 6.6. Microbiota and Neuropsychiatric Diseases
 - 6.6.1. Schizophrenia
 - 6.6.2. Anxiety, Depression, Autism
- 6.7. Microbiota and Obesity
 - 6.7.1. Enterotypes
 - 6.7.2. Current Studies and State of Knowledge

Module 7. Epigenetics

- 7.1. History of Epigenetics. The Way I Feed Myself, a Legacy for my Grandchildren
- 7.2. Epigenetics vs. Epigenomics
- 7.3. Methylation
 - 7.3.1. Examples of Folate and Choline, Genistein
 - 7.3.2. Examples of Zinc, Selenium, Vitamin A, Protein Restriction
- 7.4. Histone Modification
 - 7.4.1. Examples of Butyrate, Isothiocyanates, Folate and Choline
 - 7.4.2. Examples of Retinoic Acid, Protein Restriction
- 7.5. MicroRNA
 - 7.5.1. Biogenesis of MicroRNAs in Humans
 - 7.5.2. Mechanisms of Action-Regulating Processes
- 7.6. Nutrimiromics
 - 7.6.1. Diet-Modulated MicroRNAs
 - 7.6.2. MicroRNAs involved in Metabolism
- 7.7. Role of MicroRNAs in Diseases
 - 7.7.1. MicroRNA in Tumorigenesis
 - 7.7.2. MicroRNAs in Obesity, Diabetes and Cardiovascular Diseases
- 7.8. Gene Variants that Generate or Destroy Binding Sites for MicroRNAs
 - 7.8.1. Main Studies
 - 7.8.2. Results in Human Diseases

- 7.9. MicroRNA Detection and Purification Methods
 - 7.9.1. Circulating MicroRNAs
 - 7.9.2. Basic Methods Used

Module 8. Laboratory Techniques for Nutritional Genomics

- 8.1. Molecular Biology Laboratory
 - 8.1.1. Basic Instructions
 - 8.1.2. Basic Material
 - 8.1.3. Accreditations Required in the U.S.
- 8.2. DNA Extraction
 - 8.2.1. From Saliva
 - 8.2.2. From Blood
 - 8.2.3. From Other Fabrics
- 8.3. Real-Time PCR
 - 8.3.1. Introduction - History of the Method
 - 8.3.2. Basic Protocols Used
 - 8.3.3. Most Used Equipment
- 8.4. Sequencing
 - 8.4.1. Introduction - History of the Method
 - 8.4.2. Basic Protocols Used
 - 8.4.3. Most Used Equipment
- 8.5. *High-Throughput*
 - 8.5.1. Introduction - History of the Method
 - 8.5.2. Examples of Human Studies

- 8.6. Gene Expression - Genomics - Transcriptomics
 - 8.6.1. Introduction - History of the Method
 - 8.6.2. *Microarrays*
 - 8.6.3. Microfluidic Cards
 - 8.6.4. Examples of Human Studies
- 8.7. Omics Technologies and their Biomarkers
 - 8.7.1. Epigenomics
 - 8.7.2. Proteomics
 - 8.7.3. Metabolomics
 - 8.7.4. Metagenomics
- 8.9. Bioinformatics Analysis
 - 8.9.1. Pre- and Post-Informatics Bioinformatics Programs and Tools
 - 8.9.2. GO Terms, Clustering of DNA Microarray Data
 - 8.9.3. Functional Enrichment, GEPAS, Babelomics

Module 9. The Relationship between Intolerances/Allergies and the Microbiota

- 9.1. Microbiota Changes in Patients on Food Exclusion Diets
 - 9.1.1. Eosinophilic Esophagitis (EoE)
- 9.2. Changes in the Microbiota in Patients with Food Exclusion Diets: Intolerance to Dairy Products (Lactose, Milk Proteins: Caseins, Albumins, Others)
 - 9.2.1. Lactose Intolerance
 - 9.2.2. Intolerant to Milk Proteins: Caseins, Albumins, etc.
 - 9.2.3. People Allergic to Milk
- 9.3. Alteration and Recovery of the Intestinal Microbiota in Patients with Gluten Intolerance and Celiac Disease
 - 9.3.1. Alteration of the Intestinal Microbiota in Patients with Gluten Intolerance
 - 9.3.2. Alteration of the Intestinal Microbiota in Celiac Patients
 - 9.3.3. Role of Probiotics and Prebiotics in the Recovery of the Microbiota in Gluten Intolerant and Celiacs
- 9.4. Microbiota and Biogenic Amines
- 9.5. Current Lines of Research

Module 10. Nutrition in Overweight, Obesity and their Comorbidities

- 10.1. Pathophysiology of Obesity
 - 10.1.1. Precision Diagnosis
 - 10.1.2. Analysis of Underlying Causes
- 10.2. Phenotypic Diagnosis
 - 10.2.1. Body Composition and Calorimetry and Impact on Personalized Treatment
- 10.3. Treatment Target and Hypocaloric Diet Models
- 10.4. Prescription of Physical Exercise in Overweight and Obesity
- 10.5. Psychology Associated with Weight Loss Nutrition: Psychonutrition
- 10.6. Comorbidities Associated with Obesity
 - 10.6.1. Nutritional Management in Metabolic Syndrome
 - 10.6.2. Insulin Resistance
 - 10.6.3. Type 2 Diabetes and Diabetes
- 10.7. Cardiovascular Risk and Nutritional Adaptations in Hypertension, Dyslipidemias and Atherosclerosis
- 10.8. Digestive Pathologies Associated with Obesity and Dysbiosis
- 10.9. Pharmacological Treatment in Obesity and Drug-Nutrient Interactions and Adaptation of the Nutritional Plan
- 10.10. Bariatric and Endoscopic Surgery
 - 10.10.1. Nutritional Adaptations

Module 11. Nutrition in Digestive Tract Pathologies

- 11.1. Nutrition in Oral Disorders
 - 11.1.1. Taste
 - 11.1.2. Salivation
 - 11.1.3. Mucositis
- 11.2. Nutrition in Esophagogastric Disorders
 - 11.2.1. Gastroesophageal Reflux
 - 11.2.2. Gastric Ulcers
 - 11.2.3. Dysphagia
- 11.3. Nutrition in Post-Surgical Syndromes
 - 11.3.1. Gastric Surgery
 - 11.3.2. Small Intestine

- 11.4. Nutrition in Bowel Function Disorders
 - 11.4.1. Constipation
 - 11.4.2. Diarrhea
- 11.5. Nutrition in Malabsorption Syndromes
- 11.6. Nutrition in Colonic Pathology
 - 11.6.1. Irritable Bowel
 - 11.6.2. Diverticulosis
- 11.7. Nutrition in Inflammatory Bowel Disease (IBD)
- 11.8. Most Frequent Food Allergies and Intolerances with Gastrointestinal Effects
- 11.9. Nutrition in Liver Diseases
 - 11.9.1. Portal Hypertension
 - 11.9.2. Hepatic Encephalopathy
 - 11.9.3. Liver Transplant
- 11.10. Nutrition in Biliary Diseases. Biliary Lithiasis
- 11.11. Nutrition in Pancreatic Diseases
 - 11.11.1. Acute Pancreatitis
 - 11.11.2. Chronic Pancreatitis

Module 12. Nutrition in Endocrine-Metabolic Diseases

- 12.1. Dyslipidemia and Arteriosclerosis
- 12.2. Diabetes Mellitus
- 12.3. Hypertension and Cardiovascular Disease
- 12.4. Obesity
 - 12.4.1. Etiology. Nutrigenetics and Nutrigenomics
 - 12.4.2. Pathophysiology of Obesity
 - 12.4.3. Diagnosis of the Disease and its Comorbidities
 - 12.4.4. Multidisciplinary Team in Obesity Treatment
 - 12.4.5. Dietary Treatment. Therapeutic Possibilities
 - 12.4.6. Pharmacological Treatment. New Drugs
 - 12.4.7. Psychological Treatment
 - 12.4.7.1. Intervention Models
 - 12.4.7.2. Treatment of Associated Eating Disorders

- 12.4.8. Surgical Treatments
 - 12.4.8.1. Indications
 - 12.4.8.2. Techniques
 - 12.4.8.3. Complications
 - 12.4.8.4. Dietary Management
 - 12.4.8.5. Metabolic Surgery
- 12.4.9. Endoscopic Treatments
 - 12.4.9.1. Indications
 - 12.4.9.2. Techniques
 - 12.4.9.3. Complications
 - 12.4.9.4. Patient Dietary Management
- 12.4.10. Physical Activity in Obesity
 - 12.4.10.1. Assessment of the Patient's Functional Capacity and Activity
 - 12.4.10.2. Activity-based Prevention Strategies
 - 12.4.10.3. Intervention in the Treatment of the Disease and Associated Pathologies
- 12.4.11. Update on Diet and Obesity Studies
- 12.4.12. International Intervention Strategies for Obesity Control and Prevention

Module 13. Nutrition in Nervous System Pathologies

- 13.1. Nutrition in the Prevention of Cognitive Impairment, Dementia and Alzheimer's Disease
- 13.2. Nutrition and Psychoaffective Pathologies
 - 13.2.1. Depression
 - 13.2.2. Bipolar Disorder
- 13.3. Pathologies with Altered Eating Behavior
 - 13.3.1. Schizophrenia
 - 13.3.2. Borderline Personality Disorder
- 13.4. Eating Disorders
 - 13.4.1. Anorexia
 - 13.4.2. Bulimia

- 13.4.3. BED
- 13.5. Nutrition in Degenerative Pathologies
 - 13.5.1. Multiple Sclerosis
 - 13.5.2. Amyotrophic Lateral Sclerosis
 - 13.5.3. Muscular Dystrophies
- 13.6. Nutrition in Pathologies with Uncontrolled Movement
 - 13.6.1. Parkinson's Disease
 - 13.6.2. Huntington's Disease
- 13.7. Nutrition in Epilepsy
- 13.8. Nutrition in Neuralgias
 - 13.8.1. Chronic Pain
- 13.9. Nutrition in Severe Neurological Injuries
- 13.10. Toxics, Bioactive Compounds, Intestinal Microbiota and their Relationship to Nervous System Diseases

Module 14. Nutrition in Kidney Diseases

- 14.1. Glomerular Disorders and Tubulopathies
- 14.2. Predialysis Chronic Renal Failure
- 14.3. Chronic Renal Insufficiency and Dialysis
- 14.4. Gout and Hyperuricemia

Module 15. Nutrition in Special Situations

- 15.1. Nutrition in Metabolic Stress Situations
 - 15.1.1. Sepsis
 - 15.1.2. Polytrauma
 - 15.1.3. Burns
 - 15.1.4. Transplant Recipient
- 15.2. Oncology Patient Nutrition
 - 15.2.1. Surgical Treatment
 - 15.2.2. Chemotherapy Treatment
 - 15.2.3. Radiotherapy Treatment
 - 15.2.4. Bone Marrow Transplant
- 15.3. Immune Diseases
 - 15.3.1. Acquired Immunodeficiency Syndrome

Module 16. Clinical Nutrition and Hospital Dietetics

- 16.1. Management of Hospital Nutrition Units
 - 16.1.1. Nutrition in the Hospital Setting
 - 16.1.2. Food Safety in Hospitals
 - 16.1.3. Hospital Kitchen Organization
 - 16.1.4. Planning and Managing Hospital Diets. Dietary Code
- 16.2. Hospital Basal Diets
 - 16.2.1. Basal Diet in Adults
 - 16.2.2. Pediatric Basal Diet
 - 16.2.3. Ovo-Lacto-Vegetarian and Vegan Diet
 - 16.2.4. Diet Adapted to Cultural
- 16.3. Therapeutic Hospital Diets
 - 16.3.1. Unification of Diets and Personalized Menus
- 16.4. Bi-Directional Drug-Nutrient Interaction


Module 17. Artificial Nutrition in Adults

- 17.1. Enteral Nutrition
- 17.2. Parenteral Nutrition
- 17.3. Artificial Nutrition at Home
- 17.4. Adapted Oral Nutrition

Module 18. Sports Nutrition

- 18.1. Physiology of Exercise
- 18.2. Physiological Adaptation to Different Types of Exercise
- 18.3. Metabolic Adaptation to Exercise. Regulation and Control
- 18.4. Assessing Athletes' Energy Needs and Nutritional Status
- 18.5. Assessing Athletes' Physical Ability
- 18.6. Nutrition in the Different Phases of Sports Practice
 - 18.6.1. Pre-Competition
 - 18.6.2. During
 - 18.6.3. Post-Competition



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- 18.7. Hydration
 - 18.7.1. Regulation and Needs
 - 18.7.2. Types of Beverages
 - 18.8. Dietary Planning Adapted to Different Sports
 - 18.9. Ergogenic Aids
 - 18.9.1. American Medical Association Recommendations
 - 18.10. Nutrition in Sports Injury Recovery
 - 18.11. Psychological Disorders Related to Practicing Sport
 - 18.11.1. Eating Disorders: Vigorexia, Orthorexia, Anorexia
 - 18.11.2. Fatigue Caused by Overtraining
 - 18.11.3. The Female Athlete Triad
 - 18.12. The Role of the Coach in Sports Performance

Module 19. Assessment of Nutritional Status and Calculation of Personalized Nutritional Plans, Recommendations and Monitoring

- 19.1. Medical History and Background
 - 19.1.1. Individual Variables Affecting Nutritional Plan Response.
- 19.2. Anthropometry and Body Composition
- 19.3. Assessment of Eating Habits
 - 19.3.1. Nutritional Assessment of Food Consumption
- 19.4. Interdisciplinary Team and Therapeutic Circuits
- 19.5. Calculation of Energy Intake
- 19.6. Calculation of Recommended Macro- and Micronutrient Intakes
- 19.7. Quantity and Frequency of Food Consumption Recommendations
 - 19.7.1. Dietary Patterns
 - 19.7.2. Planning
 - 19.7.3. Distribution of Daily Meals
- 19.8. Diet Planning Models
 - 19.8.1. Weekly Menus
 - 19.8.2. Daily Intake
 - 19.8.3. Methodology by Food Exchanges

- 19.9. Hospital Nutrition
 - 19.9.1. Dietary Models
 - 19.9.2. Decision Algorithms
- 19.10. Education
 - 19.10.1. Psychological Aspects
 - 19.10.2. Maintenance of Eating Habits
 - 19.10.3. Discharge Recommendations

Module 20. Nutritional Consultation

- 20.1. How to Carry Out a Nutritional Consultation
 - 20.1.1. Analysis of the Market and Competition
 - 20.1.2. Clients
 - 20.1.3. Marketing. Social Media Campaigns
- 20.2. Psychology and Nutrition
 - 20.2.1. Psychosocial Factors Affecting Eating Behavior
 - 20.2.2. Interview Techniques
 - 20.2.3. Dietary Advice
 - 20.2.4. Stress Control
 - 20.2.5. Child and Adult Nutrition Education

Module 21. Probiotics, Prebiotics, Microbiota, and Health

- 21.1. Probiotics
- 21.2. Prebiotics
- 21.3. Clinical Applications of Probiotics and Prebiotics in Gastroenterology
- 21.4. Clinical Applications of Endocrinology and Cardiovascular Disorders
- 21.5. Clinical Applications of Probiotics and Prebiotics in Urology
- 21.6. Clinical Applications of Probiotics and Prebiotics in Gynecology
- 21.7. Clinical Applications of Probiotics and Prebiotics in Immunology
- 21.8. Clinical Applications of Probiotics and Prebiotics in Nutritional Diseases
- 21.9. Clinical Applications of Probiotics and Prebiotics in Neurological Diseases
- 21.10. Clinical Applications of Probiotics and Prebiotics in Critically Ill Patients
- 21.11. Dairy Products as a Natural Source of Probiotics and Prebiotics

Module 22. Nutrition for Health, Equity and Sustainability

- 22.1. Sustainable Nutrition, Food Variables Influencing the Ecological Footprint.
 - 22.1.1. Carbon Footprint
 - 22.1.2. Water Footprint
- 22.2. Food Waste as an Individual Problem and as a Problem Associated with the Food Industry
- 22.3. Biodiversity Loss at Different Levels and its Impact on Human Health: Microbiota
- 22.4. Toxics and Xenobiotics in Food and their Effects on Health
- 22.5. Current Food Legislation
 - 22.5.1. Labeling, Additives and Regulatory Proposals in Marketing and Advertising
- 22.6. Nutrition and Endocrine Disruptors
- 22.7. The Global Obesity and Malnutrition Epidemic, Associated with Inequity: "A Planet of Fat and Hungry People".
- 22.8. Feeding in Childhood and Youth and Habits Acquisition in Adulthood
 - 22.8.1. Ultraprocessed Foods and Beverages other than Water: A Population Problem
- 22.9. Food Industry, Marketing, Advertising, Social Networks and their Influence on Food Choice
- 22.10. Healthy, Sustainable and Non-Toxic Food Recommendations: Policy



“

These contents will provide you with comprehensive training, developing advanced skills for the assessment, management, and promotion of nutritional health in Clinical Nursing”

04 Teaching Objectives

The objective of this Advanced Master's Degree is to provide nurses with advanced training in Nutrition to improve the quality of healthcare. Therefore, this university program will delve into the fundamental principles of Nutrition and its application in the clinical context, enabling professionals to perform accurate nutritional assessments, design individualized meal plans, and effectively manage complex clinical situations related to food and health.

Additionally, it will encourage the development of leadership, research, and teamwork skills so that graduates can play an active role in promoting healthy lifestyles.



“

You will be trained in nutritional assessment and diagnosis, as well as in the planning and implementation of personalized dietary interventions, with a vast multimedia resource library”



General Objectives

- ♦ Develop skills to assess the nutritional needs of patients in various clinical conditions
- ♦ Apply clinical nutrition principles to improve the health status and recovery of patients
- ♦ Manage the planning of personalized therapeutic diets according to the patient's medical diagnosis
- ♦ Apply nutritional education techniques to promote healthy habits in hospitalized patients
- ♦ Develop nutritional intervention strategies to prevent and treat nutrition-related diseases
- ♦ Apply enteral and parenteral nutrition principles in the treatment of patients with malnutrition
- ♦ Develop competencies to integrate clinical nutrition in the management of chronic diseases
- ♦ Assess the impact of nutrition on the health of patients with metabolic and cardiovascular disorders
- ♦ Develop strategies to improve the nutritional status of patients in medical emergencies
- ♦ Apply clinical nutrition in the treatment and management of gastrointestinal diseases
- ♦ Develop skills to manage the feeding of patients with swallowing disorders
- ♦ Apply clinical nutrition in the care of patients with cancer and oncological diseases
- ♦ Manage the prevention and treatment of hospital malnutrition in critically ill patients
- ♦ Develop competencies in the nutritional management of diabetic patients and those with endocrine disorders
- ♦ Apply dietary approaches in the management of obesity and overweight in clinical settings
- ♦ Develop clinical nutrition strategies for the treatment of renal and hepatic disorders
- ♦ Apply clinical nutrition in post-surgical follow-up to enhance patient recovery
- ♦ Develop skills to coordinate interdisciplinary nutritional care in hospitals
- ♦ Apply pediatric clinical nutrition principles in the treatment of childhood diseases
- ♦ Manage the implementation of nutrition plans in intensive care units
- ♦ Develop competencies to advise families on the nutritional management of chronic patients
- ♦ Apply clinical nutrition in the treatment of psychiatric disorders related to eating
- ♦ Develop skills in monitoring nutrition in patients with autoimmune diseases
- ♦ Apply geriatrics clinical nutrition principles to improve health and quality of life in older adults
- ♦ Develop clinical nutrition strategies in the prevention of postoperative complications and wound treatment



Specific Objectives

Module 1. New Developments in Nutrition

- ♦ Review the basics of a balanced diet in the different stages of the life cycle, as well as in exercise
- ♦ Assess and calculate nutritional requirements in health and disease at any stage of the life cycle
- ♦ Review the new dietary guidelines, nutritional objectives, and recommended dietary allowances (RDA)
- ♦ Manage food databases and composition tables

Module 2. Nutrigenetics I

- ♦ Acquire the latest knowledge on population genetics.
- ♦ Understand how the basis for the interaction between genetic variability and diet is generated.

Module 3. Nutrigenetics II Key Polymorphisms

- ♦ Present the key polymorphisms to date related to human nutrition and metabolic processes that the health practitioner needs to learn.
- ♦ Analyze the key studies that support these polymorphisms and the debate, where it exists.

Module 4. Nutrigenetics III

- ♦ Present the key polymorphisms to date related to complex diseases that depend on nutritional habits.
- ♦ Introduce new advanced concepts in nutrigenetic research.

Module 5. Nutrigenomics

- ♦ Deepen in the differences between nutrigenetics and nutrigenomics.
- ♦ Present and analyze genes related to metabolic processes affected by Nutrition.

Module 6. Metabolomics-Proteomics

- ♦ Know the principles of metabolomics and proteomics.
- ♦ Delve into the Microbiota as a Tool for Preventive and Personalized Nutrition.

Module 7. Epigenetics

- ♦ Explore the fundamentals of the relationship between epigenetics and nutrition.
- ♦ Present and analyze how MicroRNAs are involved in Nutritional Genomics.

Module 8. Laboratory Techniques for Nutritional Genomics

- ♦ Understand the techniques used in Nutritional Genomics studies.
- ♦ Acquire the latest advances in omics and bioinformatics techniques.

Module 9. The Relationship between Intolerances/Allergies and the Microbiota

- ♦ Know how a negative modulation in the microbiota can favor the appearance of food intolerances and allergies.
- ♦ Deepen in the changes in the microbiota in patients with food exclusion diets such as gluten.

Module 10. Nutrition in Overweight, Obesity and their Comorbidities

- ♦ Adequately assess the clinical case, interpretation of causes of overweight and obesity, comorbidities and risks
- ♦ Calculate and individually prescribe the different models of hypocaloric diets

Module 11. Nutrition in Digestive Tract Pathologies

- ♦ Know the different oral alterations, as well as the Esophagogastric Alterations
- ♦ Address nutrition in post-surgical syndromes

Module 12. Nutrition in Endocrine-Metabolic Diseases

- ♦ Explore the etiology, nutrigenetics and nutrigenomics of obesity.
- ♦ Delve into the advances in Diabetes Mellitus and hypertension
- ♦ Know the most effective endoscopic and surgical treatments for endocrine-metabolic diseases
- ♦ Update knowledge on dieting and obesity.

Module 13. 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.

Module 14. Nutrition in Kidney Diseases

- ♦ Explore glomerular conditions and tubulopathies
- ♦ In-depth study of chronic renal insufficiencies
- ♦ Investigate the underlying pathophysiological mechanisms of Kidney Diseases.
- ♦ Develop and implement strategies for prevention and early management of Chronic Renal Failure



Module 15. Nutrition in Special Situations

- ♦ Explore nutrition in the context of Metabolic Stress
- ♦ Broaden knowledge regarding the treatment of oncology patients

Module 16. Clinical Nutrition and Hospital Dietetics

- ♦ Delve into the management of hospital Nutrition units.
- ♦ Distinguish the different basal and therapeutic diets used in hospital settings

Module 17. Artificial Nutrition in Adults

- ♦ Distinguish enteral and parenteral nutrition with their main characteristics
- ♦ Know the advances in home artificial Nutrition.
- ♦ Improve the nutritional status and quality of life of patients through different types of Nutrition.
- ♦ Establish updated protocols for the prescription and follow-up of Nutrition.

Module 18. Sports Nutrition

- ♦ Evaluate and prescribe physical activity as a factor involved in nutritional status
- ♦ Study the latest developments in exercise physiology
- ♦ Emphasize the importance of good hydration in all sports disciplines

Module 19. 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

Module 20. Nutritional Consultation

- ♦ Review the psychological foundations and biopsychosocial factors that influence human eating behavior
- ♦ Acquire teamwork skills as a unit in which professionals and other personnel involved in the diagnostic assessment and treatment of Dietetics and Nutrition are structured in a multidisciplinary and interdisciplinary manner
- ♦ Gain knowledge of marketing principles, market analysis, and client management essential for operating a nutritional consultation practice
- ♦ Deepen your understanding of interview techniques and dietary counseling strategies for patients

Module 21. Probiotics, Prebiotics, Microbiota, and Health

- ♦ Delve into probiotics, their definition, history, mechanisms of action.
- ♦ Delve into Prebiotics, their definition, types of Prebiotics and mechanisms of action.
- ♦ Know the clinical applications of probiotics and prebiotics in Gastroenterology.
- ♦ Know the Clinical Applications of Endocrinology and Cardiovascular Disorders.

Module 22. Nutrition for Health, Equity and Sustainability

- ♦ Analyze the scientific evidence regarding the impact of nutrition on the environment
- ♦ Evaluate the health effects derived from the current dietary model and the consumption of ultra-processed foods

05

Career Opportunities

Professionals enrolled in this university program will be able to take on roles in multidisciplinary patient care teams, collaborating in the nutritional management of chronic, metabolic, and oncological diseases. They will also have the capacity to lead and coordinate Hospital Nutrition Units, as well as provide personalized advice and follow-up in Pediatric Nutrition, Geriatric Nutrition, and Artificial Nutrition situations. Moreover, graduates will be able to work in the food industry, researching nutritional products and implementing health and food sustainability policies.



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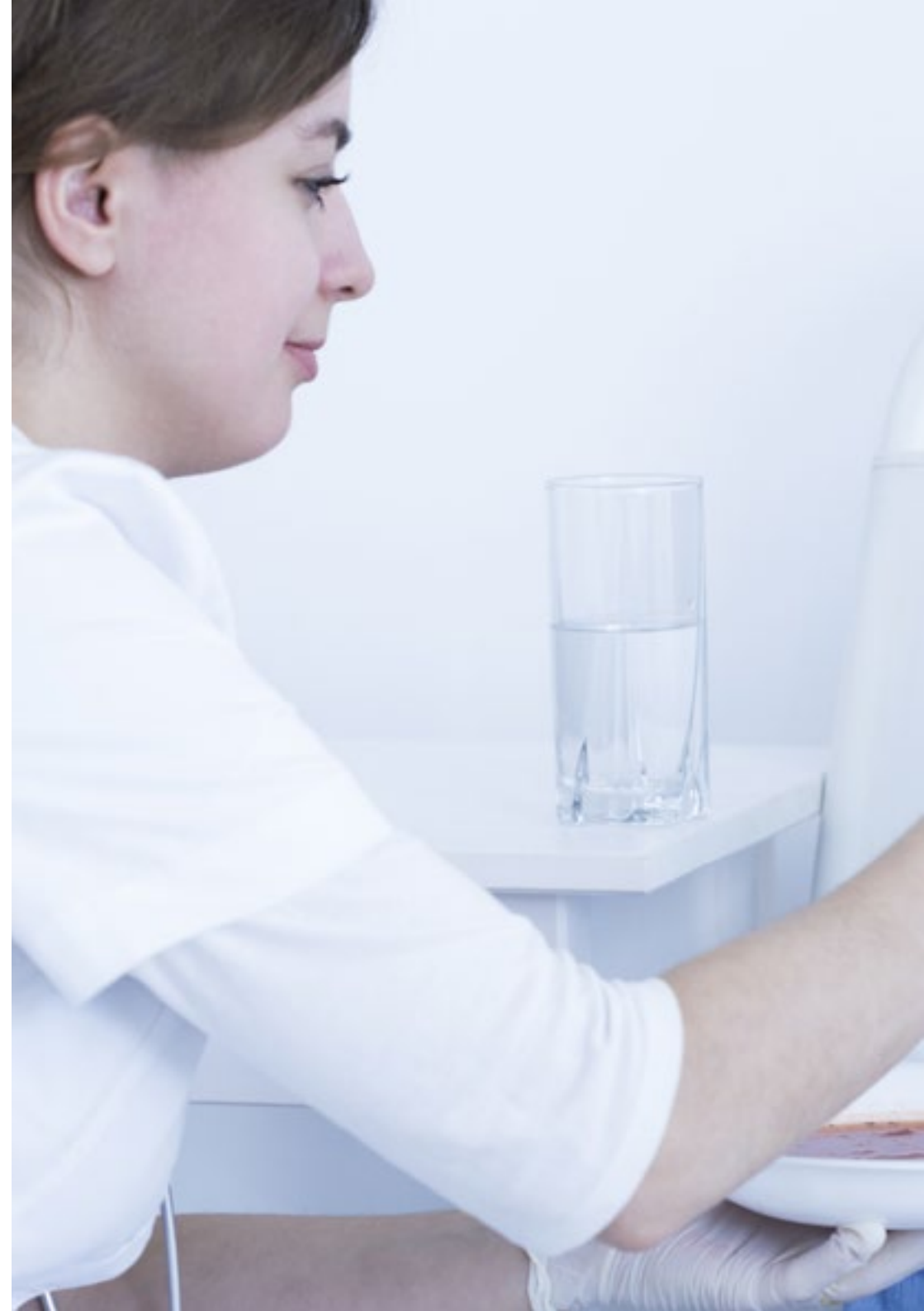
This Advanced Master's Degree will open various career opportunities, allowing you to work as a Clinical Nutrition specialist in hospitals, healthcare centers, private clinics, and nutritional consultations”

Graduate Profile

The graduate will have a solid foundation in the evaluation and nutritional management of various pathologies, ranging from chronic diseases to metabolic and gastrointestinal disorders. They will have the skills to develop personalized nutritional plans based on the latest scientific evidence. Additionally, their profile will include mastery of the latest techniques and advancements in nutrigenetics, nutrigenomics, and metabolomics, enabling them to offer personalized and preventive Nutrition. Finally, this expert will be prepared to work in hospital settings, collaborate in multidisciplinary teams, and lead nutritional consultations, always with an ethical and sustainable approach.

Your ability to manage Artificial Nutrition and nutritional support in special situations, as well as your skill in guiding patients, will make you a reference in Nutrition.

- ♦ **Multidisciplinary Teamwork Ability:** Collaborate effectively with other healthcare professionals to develop and implement comprehensive and personalized nutritional treatment plans for patients
- ♦ **Communication and Patient Counseling Skills:** Communicate complex nutritional information clearly and empathetically to patients, adapting your message to their needs and level of understanding
- ♦ **Quality and Sustainability Management in Nutrition:** Apply sustainability principles in Nutrition, promoting healthy and environmentally responsible diets while efficiently managing resources
- ♦ **Adaptability to Change and Continuous Update in Research:** Implement scientific advances and new research in the field of clinical nutrition, integrating this knowledge into daily practice





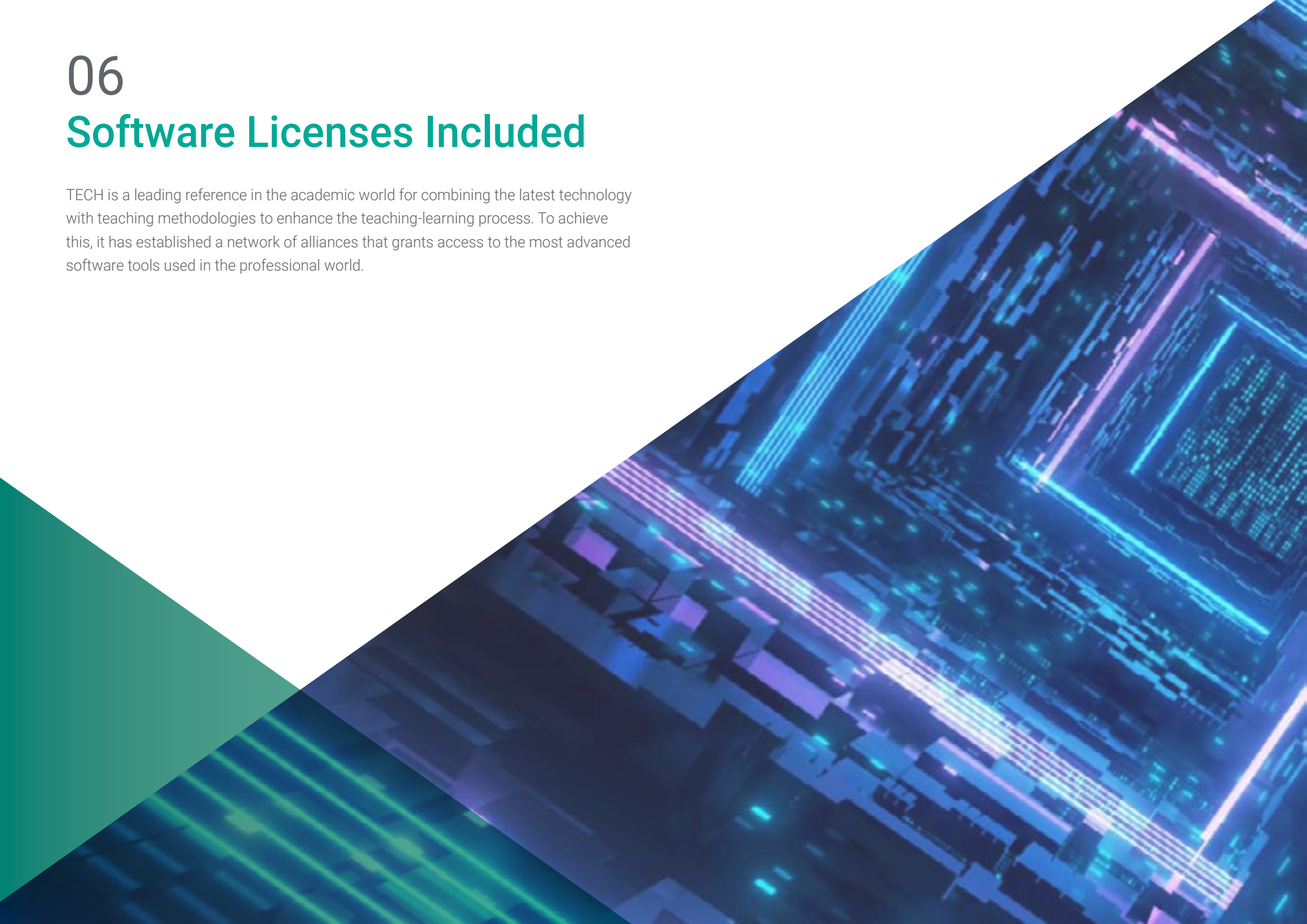
After completing the university program, you will be able to apply your knowledge and skills in the following positions:

- 1. Clinical Nutrition Manager in Hospitals:** Designer of personalized nutritional plans for hospitalized patients, addressing specific needs related to various pathologies.
- 2. Coordinator of Hospital Nutrition Units:** Leader of multidisciplinary teams in the comprehensive management of Clinical Nutrition, overseeing the implementation of therapeutic diets and nutritional support programs.
- 3. Nutrition Consultant in Private Clinics:** Provider of individualized nutritional counseling to patients in outpatient consultations, focusing on the prevention and treatment of diet-related diseases.
- 4. Public Health Nutrition Program Manager:** Designer of policies and educational programs to promote healthy eating habits at the community level, with an emphasis on equity and sustainability.
- 5. Clinical Nutrition Researcher:** Coordinator of studies on the impact of Nutrition in specific diseases, developing new approaches for prevention and treatment based on the latest scientific evidence.
- 6. Pediatric Nutrition Supervisor:** Collaborator in clinical and hospital settings, addressing the nutritional needs of children and adolescents, including those with metabolic diseases or malnutrition.
- 7. Sports Nutrition Advisor:** Collaborator with athletes and sports teams, assessing their energy needs and designing dietary plans that optimize physical performance and recovery.
- 8. Nutrition Supervisor in the Food Industry:** Collaborator in the development of functional food products, advising on their composition and alignment with the nutritional needs of different population groups.
- 9. Artificial Nutrition Consultant:** Responsible for the prescription, monitoring, and management of enteral and parenteral nutrition in patients with specific needs, both in hospital and home settings.

06

Software Licenses Included

TECH is a leading reference in the academic world for combining the latest technology with teaching methodologies to enhance the teaching-learning process. To achieve this, it has established a network of alliances that grants access to the most advanced software tools used in the professional world.



“

Upon enrolling, you will receive, completely free of charge, academic credentials for the following professional software applications”

TECH has established a network of professional alliances with the leading providers of software applied to various professional fields. These alliances allow TECH to access hundreds of software applications and licenses, making them available to its students.

The academic software licenses will allow students to access the most advanced applications in their professional field, enabling them to become proficient in their use without incurring additional costs. TECH will manage the contracting process to ensure that students have unlimited access to the software throughout their time in the Advanced Master's Degree in Clinical Nutrition for Nursing, and they will be able to use it completely free of charge.

TECH will provide free access to the following software applications:



i-Diet

Another exclusive benefit of this university program is **free access to i-Diet**, a nutritional assessment tool valued at **180 euros**.

This flexible platform allows users to modify food and recipe databases, as well as add new elements intuitively.

i-Diet is designed to adapt to different professional needs, enabling the customization of nutritional plans from the first day of the course. The tool incorporates artificial intelligence in its calculations, developed with the support of the Department of Mathematical Modeling at ETSIMO, ensuring precision and scientific rigor in every assessment.

Key Features:

- ♦ **Editable Database:** Access to food and recipes with full customization options
- ♦ **AI-Powered Calculations:** Optimized algorithms for precise and efficient evaluations
- ♦ **Over 1,000 Supervised Recipes:** Content developed by dietitian-nutritionist Cristina Rodríguez Bernardo
- ♦ **Multiple Body Measurements:** Compatible with BIA, ultrasounds, infrared, skinfold calipers, and circumferences
- ♦ **Intuitive Interface:** Easy to use both in consultations and for clinical follow-up

Free **access to i-Diet** during the course provides an invaluable opportunity to apply theoretical knowledge, improve nutritional decision-making, and strengthen the technical skills of professionals.

DietoPro

As part of our commitment to comprehensive and applied training, all students enrolled in this program will receive **free access** to the **DietoPro** license, specialized in nutrition and valued at approximately **30 euros**. This platform will be available throughout the course. Its use enriches the learning process, facilitating the immediate implementation of the knowledge acquired.

It is an advanced solution that allows users to create personalized plans, record and analyze daily intake, and receive recommendations tailored to each individual. Its intuitive interface and solid technological foundation provide a practical experience aligned with current standards of well-being and digital health.

Key Features:

- ♦ **Personalized Nutrition Planning:** Design meal plans tailored to specific goals, preferences, and requirements
- ♦ **Diet Tracking and Monitoring:** Facilitate nutritional control through dynamic reports and detailed nutrient analysis
- ♦ **Intelligent Suggestions:** Use artificial intelligence to propose adjustments and personalized recommendations
- ♦ **Integration with Health Devices:** Compatible with *wearables* and fitness apps for a comprehensive view of physical health
- ♦ **Educational Resources:** Access to content, guides, and expert advice to reinforce healthy habits and promote continuous learning

This **free license** offers a unique opportunity to explore professional tools, solidify theoretical knowledge, and make the most of a high-value practical experience.

Nutrium

Accessing **Nutrium**, a professional platform valued at **200 euros**, is a unique opportunity to optimize patient management. This advanced system allows users to record medical histories, schedule appointments, send reminders, and conduct online consultations, facilitating communication through its mobile app.

Additionally, this exclusive and **free-access** license provides tools for tracking nutritional goals, enabling clients to update their progress in real time. This enhances treatment adherence and improves the effectiveness of dietary recommendations.

Key Features of Nutrium:

- ♦ **Complete Client Management:** Detailed records, appointment scheduling, and automatic reminders
- ♦ **Continuous Communication:** Online consultations and a mobile app for patients
- ♦ **Nutritional Goal Monitoring:** Tools to set and track specific objectives
- ♦ **Real-Time Updates:** Patients can directly report their progress
- ♦ **Treatment Efficiency:** Improved adherence and better outcomes for dietary plans

This platform, available **at no cost** during the program, will allow students to apply their knowledge practically, supporting a comprehensive and efficient approach to nutrition.

07

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



“

TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”

The student: the priority of all TECH programs

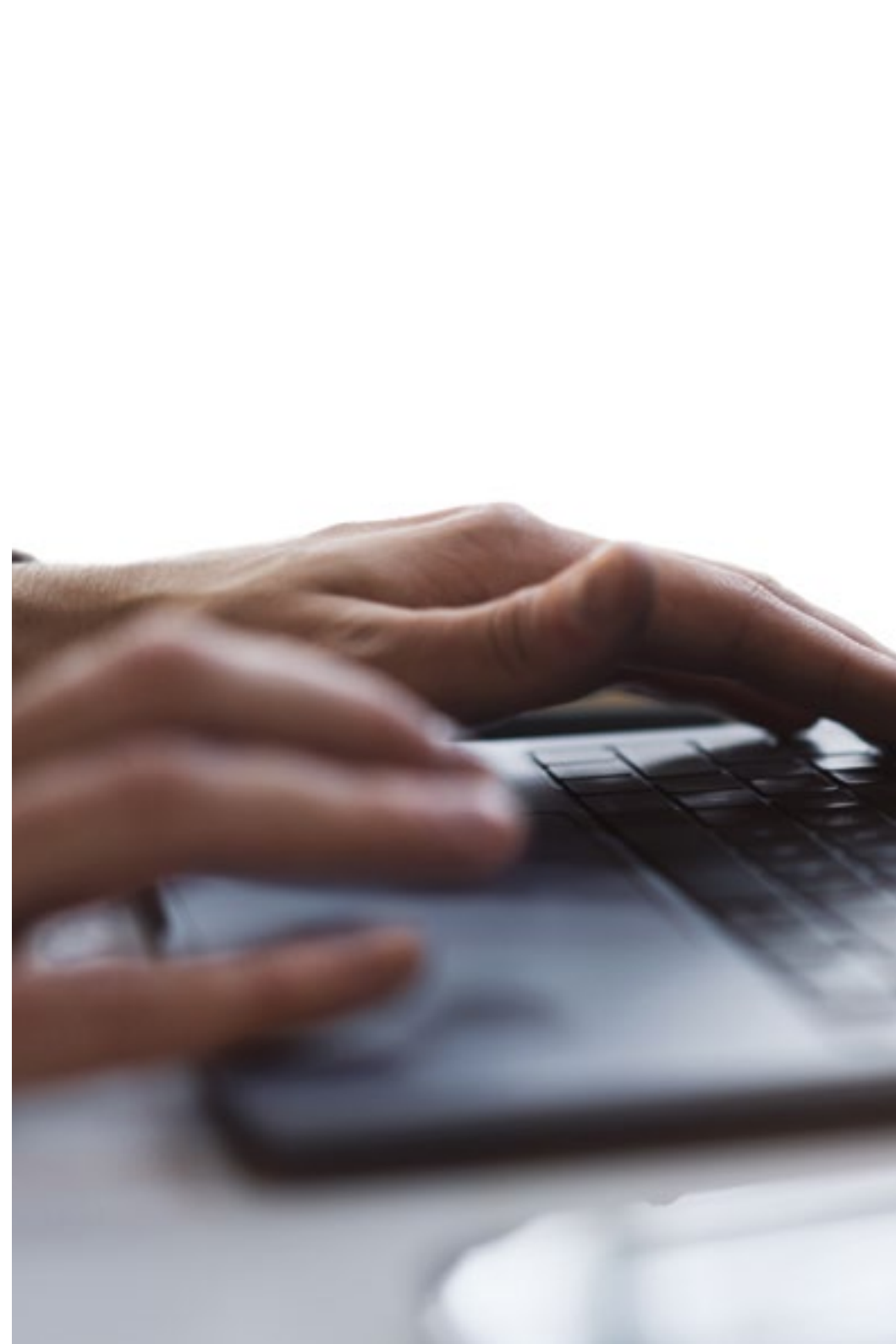
In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

“

*At TECH you will NOT have live classes
(which you might not be able to attend)”*



The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

“*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want*”

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.



A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule"

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

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

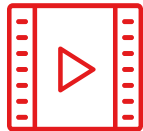
The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.



As such, the best educational materials, thoroughly prepared, will be available in this program:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



Interactive Summaries

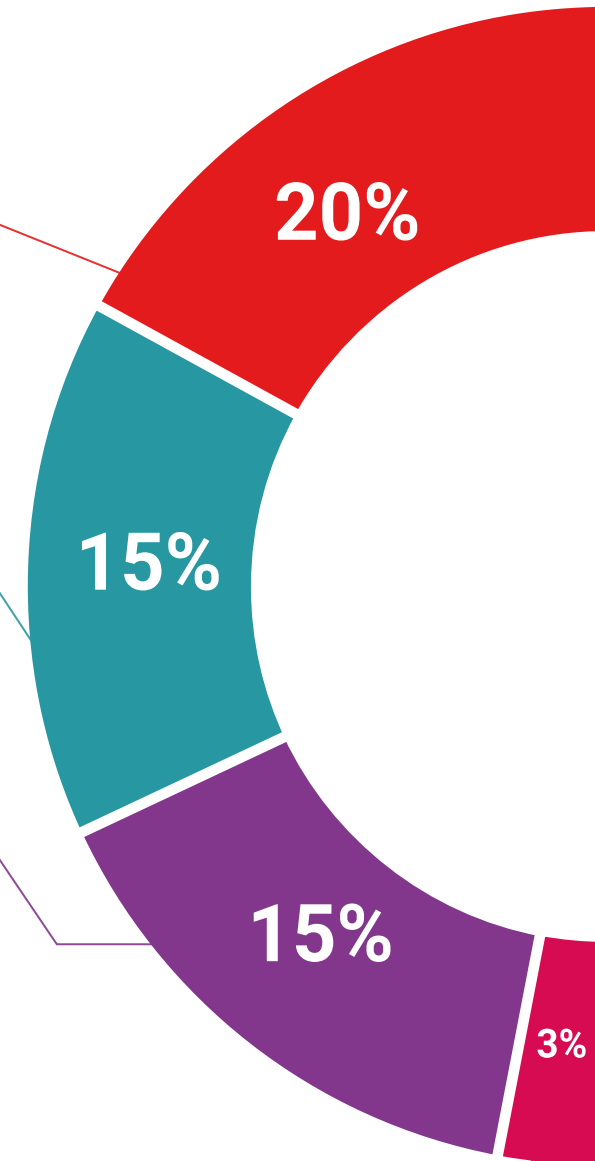
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

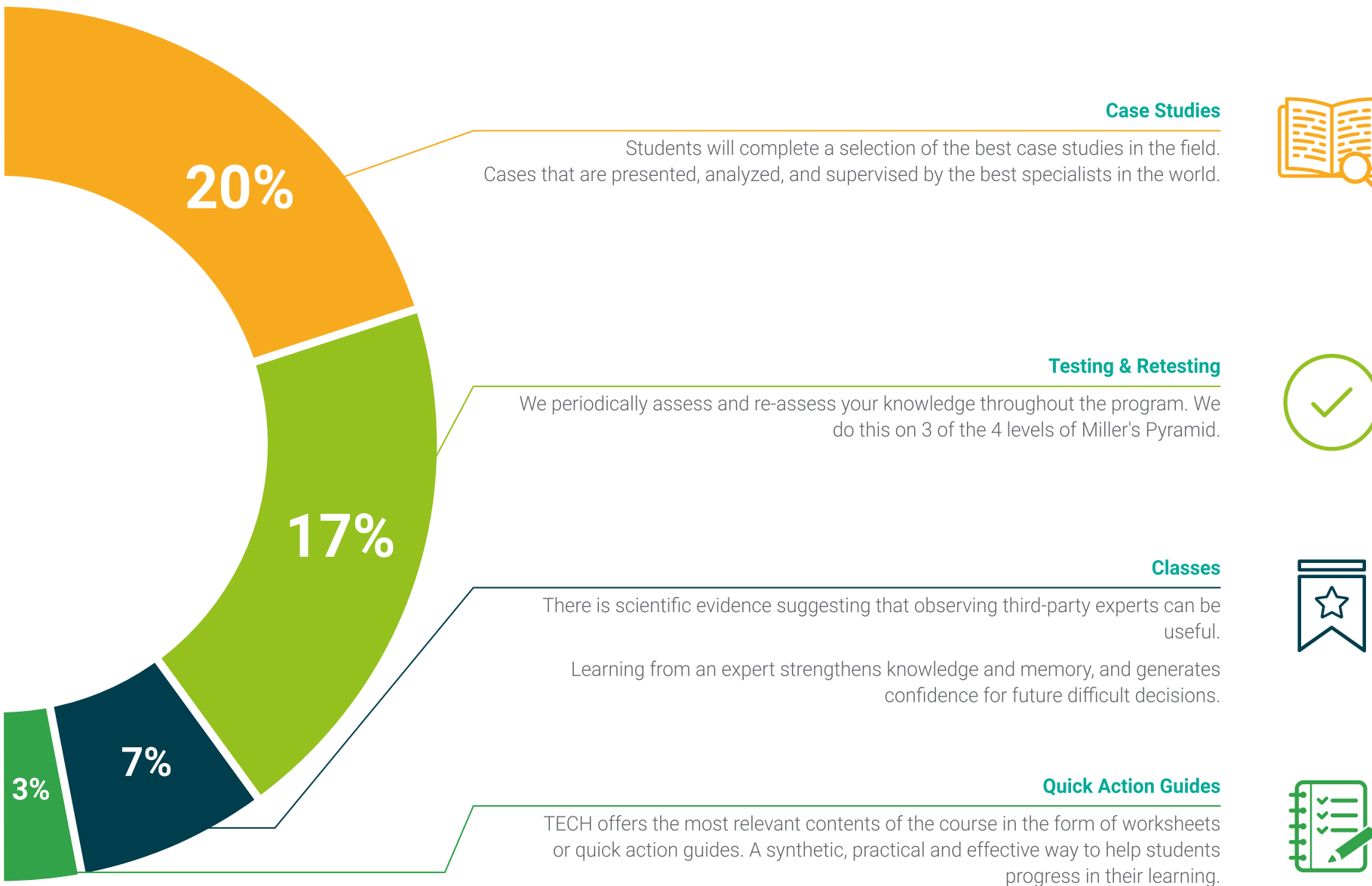
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





08

Teaching Staff

The teachers of this Advanced Master's Degree are highly qualified and experienced professionals in the field of Nutrition and Nursing. In fact, they combine solid academic specialization with practical experience in various health fields, which will allow them to offer a complete and up-to-date perspective on the topics covered in the program. In addition, their commitment to academic excellence and the professional development of graduates will contribute significantly to the quality and relevance of the program.



“

Thanks to their experience and leadership, the faculty will impart specialized knowledge, helping you reach your full potential as an expert in Clinical Nutrition for Nursing”

International Guest Director

Lara Al-Dandachi is one of the few **registered dietitians** in California, and the rest of the United States, to hold a **triple certification** in Diabetes Care **specialty CDES**, Advanced Diabetes Management **BC-ADM** and in **Obesity** with Subspecialty Weight Management (**CSOWM**). Her work as a **clinical nutritionist** has led her to lead projects such as UCLA Health's Gonda Diabetes Prevention Program, which has received **special recognition** from the **Center for Disease Control and Prevention (CDC)** and has allowed her to work with multiple cohorts.

In addition, she coordinates the **Obesity Reduction Program (PRO)** as **Director of Nutrition**. From that group, she is in charge of developing and updating the professional curriculum for **overweight education in adults and adolescents**, as well as training new dietitians. In all of these settings, she counsels her patients on how to improve their lifestyle by incorporating **healthy eating habits**, **increased physical activity** and the fundamentals of **Integrative Medicine**.

At the same time, Al-Dandachi continually seeks to stay at the forefront of **clinical research** in Nutrition. She has attended the **Harvard Blackburn Course in Obesity Medicine** twice. In those participations, she has received the Certificate of Training in Pediatric and Adult Obesity through the **Commission on Dietetic Registration (CDR)**, the accrediting agency of the **American Academy of Nutrition and Dietetics**.

Also, her mastery of this healthcare field allows her to provide **personalized care** to patients with rare conditions such as latent **Autoimmune Diabetes** in adulthood. She has also worked in her Public Health internship as a volunteer, collaborating with **underprivileged populations** in initiatives for HIV education and prevention, the *Head Start* program , among others.



Ms. Al-Dandachi, Lara

- Nutrition Director of the Obesity Reduction Program at UCLA Health, California, United States
- Clinical Dietitian with CareMore Health Plan
- Director of Nutrition at Hollywood Presbyterian Medical Center
- Clinical Dietitian at Sodexo Health Care Services
- Clinical Dietitian at Beverly Hospital
- Master's Degree in Public Health at Loma Linda University
- Bachelor of Science in Nutrition Science and Dietetics at the American University of Beirut

“

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

International Guest Director

Harry Sokol, M.D. is internationally recognized in the field of **Gastroenterology** for his research on **Intestinal Microbiota**. With more than 2 decades of experience, he has established himself as a **true scientific authority** thanks to his numerous studies on the role of **microorganisms in the human body** and their impact on **chronic inflammatory bowel diseases**. In particular, his work has revolutionized medical understanding of this organ, often referred to as the “**second brain**”.

Among Dr. Sokol's contributions, he and his team have opened a new line of advances on the bacterium *Faecalibacterium prausnitzii*. In turn, these studies have led to crucial discoveries about its **anti-inflammatory effects**, opening the door to **revolutionary treatments**.

In addition, the expert is distinguished by his **commitment** to the **dissemination of knowledge**, whether by teaching academic programs at the Sorbonne University or by publishing works such as the **comic book** *The Extraordinary Powers of the Belly*. His scientific publications appear continuously in **world-renowned journals** and he is invited to **specialized congresses**. At the same time, he carries out his clinical work at the **Saint-Antoine Hospital** (AP-HP/University Hospital Federation IMPEC/Sorbonne University), one of the most renowned hospitals in Europe.

In addition, Dr. Sokol began his **medical** studies at the Paris Cité University, showing early on a strong interest in **health research**. A chance meeting with the eminent Professor Philippe Marteau led him to **Gastroenterology** and the enigmas of the **Intestinal Microbiota**. Throughout his career, he has also broadened his horizons by specializing in the United States, at Harvard University, where he shared experiences with **leading scientists**. Upon his return to France, he founded his **own team** where he investigates **Fecal Transplantation**, offering state-of-the-art therapeutic innovations.



Dr. Sokol, Harry

- Director of Microbiota, Gut and Inflammation at Sorbonne University, Paris, France
- Specialist Physician at the Gastroenterology Department of the Saint-Antoine Hospital (AP-HP), Paris, France
- Group Leader at the Institut Micalis (INRA)
- Coordinator of the Center of Microbiome Medicine of Paris FHU
- Founder of the pharmaceutical company Exeliom Biosciences (Nextbiotix)
- President of the Fecal Microbiota Transplantation Group
- Medical Specialist in different hospitals in Paris
- PhD in Microbiology at the Université Paris-Sud
- Postdoctoral stay at the Massachusetts General Hospital, Harvard University Medical School
- Degree in Medicine, Hepatology and Gastroenterology at Université Paris Cité

“

TECH has a distinguished and specialized group of International Guest Directors, with important leadership roles in the leading companies in the global market"

International Guest Director

Dr. Caroline Stokes is a specialist in **Psychology** and **Nutrition**, with a PhD and a qualification in **Medical Nutrition**. After a distinguished career in this field, She leads the **Food and Health Research** at the Humboldt University of Berlin. This team collaborates with the Department of Molecular Toxicology at the German Institute of Human Nutrition Potsdam-Rehbrücke. Previously, she has worked at the Medical School of Saarland University in Germany, the Cambridge Medical Research Council and the UK National Health Service.

One of her goals is to find out more about the fundamental role that **Nutrition** plays in improving the overall health of the population. To this end, she has focused on elucidating the effects of fat-soluble vitamins

of fat-soluble vitamins such as **A, D, E** and **K**, the **Amino Acid Methionine**, lipids such as **omega-3 fatty acids** and **probiotics** in both the prevention and treatment of diseases, particularly those related to hepatology, neuropsychiatry and aging.

Her other lines of research have focused on plant-based diets for the prevention and treatment of diseases, including liver and psychiatric diseases. She has also studied the spectrum of **vitamin D** metabolites in health and disease. She has also participated in projects to analyze new sources of vitamin D in plants and to compare the **luminal** and **mucosal microbiome**.

In addition, Dr. Caroline Stokes has published a long list of scientific papers. Some of her areas of expertise are **Weight Loss**, **Microbiota** and **Probiotics**, among others.

The outstanding results of her research and her constant commitment to her work have led to her winning the **National Health Service Journal Award for the Nutrition and Mental Health Program** in the UK.



Dr. Stokes, Caroline

- Head of the Food and Health Research Group at the Humboldt University of Berlin, Germany
- Researcher at the German Institute of Human Nutrition, Potsdam-Rehbruecke, Germany
- Professor of Food and Health at the Humboldt University of Berlin
- Scientist in Clinical Nutrition at the University of Saarland
- Nutrition Consultant at Pfizer
- PhD in Nutrition at the University of Saarland
- Postgraduate Diploma in Dietetics at King's College London, University of London
- Master's Degree in Human Nutrition from the University of Sheffield



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International Guest Director

Dr. Sumantra Ray is an internationally recognized specialist in **Nutrition** and his main areas of interest are **Nutrition Education in Health Systems** and **Cardiovascular Disease Prevention**. With his outstanding experience in this health field, he has served as a consultant on special assignment for the **Nutrition Directorate** of the **World Health Organization Headquarters** in Geneva. He has also worked as **Director of Research** in Food Security, Health and Society in the Faculty of Humanities and Social Sciences at the University of Cambridge.

For his constant commitment to the dissemination of healthy **eating habits**, he has received the **Josephine Lansdell Award** from the British Medical Association. Specifically, this recognition highlighted his contributions related to nutrition and **Cardiovascular Prevention**. Also, as an international expert, he has participated in a program of work on **Food, Nutrition and Education** in India, led by Cambridge University and funded by the UK Global Challenges Research Fund.

Dr. Sumantra Ray's studies are worldwide references, focusing on **global food security**, as it is a fundamental aspect for the development of societies. In addition, his leadership skills have been demonstrated as a **Senior Clinical Scientist** at the **Medical Research Council**, focusing on **Nutrition and Vascular Health** studies. In this position, he directed an experimental medicine facility dedicated to **Human Nutrition** studies.

Throughout his career he has authored more than **200 scientific publications** and has written the *Oxford Handbook of Clinical and Health Research*, aimed at strengthening the basic research skills of health care personnel worldwide. In this regard, he has shared his scientific findings in numerous lectures and conferences, in which he has participated in different countries.



Dr. Sumantra, Ray

- Executive Director and Founder at NNEdPro Global Nutrition and Health Center, Cambridge, UK
- Director of Research in Food Security, Health and Society at the Faculty of Humanities and Social Sciences, Cambridge University
- Co-Founder and President of the BMJ Scientific Journal Nutrition, Prevention and Health
- Presidential Advisor to the School of Advanced Studies in Food and Nutrition from the University of Parma
- Vice President of the Conference of Medical Academic Representatives of the BMA
- Consultant on special assignment to the Nutrition Directorate of the World Health Organization Headquarters in Geneva
- Honorary International Dean of the Cordia Colleges in India
- Senior Clinical Scientist with the Medical Research Council
- Bachelor's Degree in Medicine

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Management



Dr. Sánchez Romero, María Isabel

- ♦ Area Specialist in the Microbiology Service at the Puerta de Hierro Majadahonda University Hospital
- ♦ PhD in Medicine and Surgery by the University of Salamanca
- ♦ Medical Specialist in Microbiology and Clinical Parasitology
- ♦ Member of the Spanish Society of Infectious Diseases and Clinical Microbiology
- ♦ Technical Secretary of the Madrid Society of Clinical Microbiology



Dr. Portero Azorín, María Francisca

- ♦ Acting Head of the Microbiology Department at the Puerta de Hierro Majadahonda University Hospital
- ♦ Specialist in Microbiology and Clinical Parasitology by the Puerta de Hierro University Hospital
- ♦ PhD in Medicine from the Autonomous University of Madrid
- ♦ Postgraduate degree in Clinical Management from the Gaspar Casal Foundation
- ♦ Research stay at the Presbyterian Hospital of Pittsburgh through a FISS grant

**Dr. Alarcón Cavero, Teresa**

- ♦ Biologist Specialist in Microbiology at La Princesa University Hospital
- ♦ Head of Group 52 of the Research Institute of the La Princesa Hospital
- ♦ Bachelor's Degree in Biological Sciences, specializing in Fundamental Biology from the Complutense University of Madrid
- ♦ Master's Degree in Medical Microbiology from the Complutense University of Madrid

**Dr. Muñoz Algarra, María**

- ♦ Head of Patient Safety at the Microbiology Department of the Puerta de Hierro Majadahonda University Hospital.
- ♦ Area Specialist in the Microbiology Unit of Puerta de Hierro Majadahonda University Hospital, Madrid
- ♦ Collaborator in the Department of Preventive Medicine and Public Health and Microbiology at the Autonomous University of Madrid
- ♦ Doctor in Pharmacy from the Complutense University of Madrid



Dr. López Dosil, Marcos

- ♦ Specialist in Microbiology and Parasitology at San Carlos Clinical University Hospital
- ♦ Specialist in Microbiology and Parasitology at the Móstoles Hospital
- ♦ Master's Degree in Infectious Diseases and Antimicrobial Treatment from the CEU Cardenal Herrera University
- ♦ Master's Degree in Tropical and Health Medicine from the Autonomous University of Madrid
- ♦ Expert in Tropical Medicine by the Autonomous University Madrid



Mr. Anel Pedroche, Jorge

- ♦ Specialist in Microbiology Department of the Puerta de Hierro Majadahonda University Hospital
- ♦ Bachelor's Degree in Pharmacy from the Complutense University of Madrid
- ♦ Course in Interactive Sessions on Hospital Antibiotherapy by MSD
- ♦ Course on Infection Update in the Hematologic Patient by the Puerta de Hierro Hospital
- ♦ Attendance at the XXII Congress of the Spanish Society of Infectious Diseases and Clinical Microbiology



Dr. Aunión Lavarías, María Eugenia

- ♦ Pharmacist Clinical Nutrition Expert
- ♦ Author of the reference book in the field of Clinical Nutrition, *Dietary Management of Overweight in the Pharmacy Office* (Editorial Médica Panamericana)
- ♦ Pharmacist with extensive experience in the public and private sector.
- ♦ Head Pharmacist
- ♦ Assistant Pharmacist. Pharmacy Chain. British Health and Beauty Retailers Boots UK. Oxford Street Central London
- ♦ Bachelor 's Degree in Food Science and Technology. University of Valencia
- ♦ Direction of the University Course in Dermocosmetic. Pharmacy Office



Dr. Konstantinidou, Valentini

- ♦ Dietitian-Nutritionist Specialist in Nutrigenetics and Nutrigenomics
- ♦ Founder of DNANutricoach
- ♦ Creator of the Food Coaching method to change eating habits.
- ♦ Lecturer in Nutrigenetics
- ♦ PhD in Biomedicine
- ♦ Dietitian- Nutritionist
- ♦ Food Technologist
- ♦ Accredited Life Coach of the British body IPAC&M
- ♦ Member of: American Society for Nutrition



Ms. Fernández Montalvo, María Ángeles

- ♦ Head of Naintmed - Nutrition and Integrative Medicine
- ♦ Director of the Master's Degree in Human Microbiota at CEU University
- ♦ Parapharmacy Manager, Nutrition and Natural Medicine professional at Parafarmacia Natural Life
- ♦ Bachelor's Degree in Biochemistry from the University of Valencia
- ♦ Certified in Natural and Orthomolecular Medicine
- ♦ Postgraduate in Food, Nutrition and Cancer: Prevention and Treatment
- ♦ Master's Degree in Integrative Medicine from CEU University
- ♦ University Expert in Nutrition, Dietetics and Diet Therapy
- ♦ Expert in Vegetarian, Clinical, and Sports Nutrition
- ♦ Expert in the current use of Nutricosmetics and Nutraceuticals in general



Dr. Vázquez Martínez, Clotilde

- Corporate Head in the University Hospital Endocrinology and Nutrition Departments, Fundación Jiménez Díaz.
- Head of the Endocrinology and Nutrition Service at Ramón y Cajal University Hospital
- Head of the Endocrinology and Nutrition Service at Severo Ochoa University Hospital
- President of The Society of Endocrinology, Nutrition, and Diabetes of the Community of Madrid SENDIMAD
- Coordinator Therapeutic Education Group Group of the Spanish Society of Diabetes
- Doctor of the Faculty of Medicine of the Autonomous University of Madrid.
- Degree in Medicine and Surgery from the Faculty of Medicine of the University of Valencia.
- Specialist in Endocrinology and Nutrition via Medical Residency by the University Hospital Fundación Jimenez Díaz.
- 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 Lifetime Achievement Award



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 the University of 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



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 at the Course of Excellence in Obesity at the University Hospital Fundación Jiménez Díaz
- ♦ 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

Teachers

Mr. Anglada, Roger

- ♦ Research Support Technician at the Genomics Service of UPF
- ♦ Senior Research Support Technician at the Genomics Service of Pompeu Fabra University
- ♦ Senior Technician in Analysis and Control. Narcís Monturiol HSI, Barcelona
- ♦ Co-author of Different scientific publications
- ♦ Graduate in Multimedia, Catalunya Open University

Dr. García Santamarina, Sarela

- ♦ Group Leader at the Institute of Chemical and Biological Technology of the New University of Lisbon
- ♦ Marie Curie EIPOD Postdoctoral Researcher for: *Effects of Drugs on Intestinal Flora*, at the European Molecular Biology Laboratory (EMBL) in Heidelberg, Germany
- ♦ Postdoctoral Researcher for: *Mechanisms of Copper Homeostasis in the Interaction between the Fungal Pathogen Cryptococcus Neoformans and the Host*, Duke University United States
- ♦ PhD in Biomedicine Research from the Pompeu Fabra University of Barcelona
- ♦ Degree in Chemistry with a major in Organic Chemistry from the University of Santiago of Compostela
- ♦ Master's Degree in Molecular Biology of Infectious Diseases from the London School of Hygiene & Tropical Medicine in London
- ♦ Master's Degree in Biochemistry and Molecular Biology from the Autonomous University of Barcelona

Dr. Uberos, José

- ♦ Head of section in the Neonatology area of the San Cecilio Clinical Hospital of Granada
- ♦ Specialist in Pediatrics and Child Care
- ♦ Associate Professor of Pediatrics, University of Granada
- ♦ Vocal Bioethics Research Committee of the Province of Granada (Spain)
- ♦ Coeditor of the Signs and Symptoms Journal
- ♦ Professor Antonio Galdo Award. Society of Pediatrics of Eastern Andalucía
- ♦ Editor of the Journal of the Pediatric Society of Eastern Andalusia (Bol. SPAO)
- ♦ Doctor of Medicine and Surgery
- ♦ Degree in Medicine from the University of Santiago de Compostela
- ♦ Member of the Board of the Pediatric Society of Eastern Andalusia.

Ms. López Martínez, Rocío

- ♦ Physician in the area of Immunology at the Vall d'Hebron Hospital.
- ♦ Internal Biologist in Immunology at Central University Hospital of Asturias.
- ♦ Master in Biostatistics and Bioinformatics, Universidad Oberta of Catalunya.

Ms. Bueno García, Eva

- ♦ Predoctoral researcher in Immunosenescence at the Immunology Service of the Central University Hospital of Asturias (HUCA)
- ♦ Degree in Biology from the University of Oviedo
- ♦ Master's Degree in Biomedicine and Molecular Oncology from the University of Oviedo
- ♦ Molecular biology and immunology courses

Dr. Verdú López, Patricia

- ♦ Medical Specialist in Allergology at the Beata María Ana Hospital of Hermanas Hospitalarias.
- ♦ Medical Specialist in Allergology at Inmunomet Health and Integral Wellness Center
- ♦ Research doctor in Allergology at the San Carlos Hospital
- ♦ Specialist in Allergology at the University Hospital Dr. Negrín in Las Palmas of Gran Canaria.
- ♦ Bachelor's Degree in Medicine from the University of Oviedo
- ♦ Master's Degree in Aesthetic and Anti-Aging Medicine from the Complutense University of Madrid

Ms. Rodríguez Fernández, Carolina

- ♦ Biotechnology Researcher at Adknoma Health Research
- ♦ Master in Clinical Trials Monitoring by ESAME Pharmaceutical Business School.
- ♦ Master's Degree in Food Biotechnology from the University of Oviedo
- ♦ University Expert in Digital Teaching in Medicine and Health by CEU Cardenal Herrera University.

Dr. Gonzalez Rodríguez, Silvia Pilar

- ♦ Deputy Medical Director, Research Coordinator and Clinical Chief of the Menopause and Osteoporosis Unit at Gabinete Médico Velázquez
- ♦ Specialist in Gynecology and Obstetrics at HM Gabinete Velázquez
- ♦ Medical Expert at Bypass Comunicación en Salud, SL
- ♦ Key Opinion Leader of several international pharmaceutical laboratories
- ♦ Doctor of Medicine and Surgery from the University of Alcalá de Henares, specializing in Gynecology.
- ♦ Specialist in Mastology by the Autonomous University of Madrid.
- ♦ Master's Degree in Sexual Orientation and Therapy from the Sexological Society of Madrid.
- ♦ Master's Degree in Climacteric and Menopause from the International Menopause Society.
- ♦ University Expert in Epidemiology and New Applied Technologies from the UNED (Spanish Distance Learning University)
- ♦ University Diploma in Research Methodology from the Foundation for the Training of the Medical Association and the National School of Health of the Carlos III Health Institute

Dr. Rioseras de Bustos, Beatriz

- ♦ Microbiologist and renowned researcher
- ♦ Resident in immunology at HUCA
- ♦ Member of the Biotechnology of Nutraceuticals and Bioactive Compounds Research Group (Bionuc) of the University of Oviedo.
- ♦ Member of the Microbiology Area of the Department of Functional Biology.

- ♦ Residency in the Southern Denmark University
- ♦ Doctor in Microbiology from the University of Oviedo
- ♦ Master's Degree in Neuroscience Research from the University of Oviedo

Dr. Lombó Burgos, Felipe

- ♦ PhD in Biology
- ♦ Head of the BIONUC Research Group, University of Oviedo.
- ♦ Former Director of the Research Support Area of the AEI Project.
- ♦ Member of the Microbiology Area of the University of Oviedo.
- ♦ Co-author of the research *Biocidal nanoporous membranes with inhibitory activity of biofilm formation at critical points in the production process of the dairy industry*.
- ♦ Head of the study on 100% natural acorn-fed ham against inflammatory bowel diseases
- ♦ Speaker III Congress of Industrial Microbiology and Microbial Biotechnology

Dr. Alonso Arias, Rebeca

- ♦ Director of the Immunosenescence research group of the HUCA Immunology Service.
- ♦ Specialist Immunology Physician at the Central University Hospital of Asturias
- ♦ Numerous publications in international scientific journals
- ♦ Research work on the association between the microbiota and the immune system
- ♦ 1st National Award for Research in Sports Medicine, 2 occasions

Dr. Álvarez García, Verónica

- ♦ Assistant Physician of the Digestive Area at the Río Hortega University Hospital.
- ♦ Specialist in Digestive System at the Central Hospital of Asturias
- ♦ Speaker at the XLVII Congress SCLECARTO
- ♦ Bachelor's Degree in Medicine and Surgery
- ♦ Digestive System Specialist

Dr. Gabaldon Estevani, Toni

- ♦ IRB and BSC senior group leader
- ♦ Co-founder and Scientific Advisor (CSO) of Microomics SL
- ♦ ICREA Research Professor and Group Leader of the Comparative Genomics Laboratory
- ♦ Doctor of Medical Sciences, Radboud University Nijmegen.
- ♦ Corresponding Member of the Royal National Academy of Pharmacy of Spain.
- ♦ Member of the Spanish Young Academy

Dr. Fernández Madera, Juan Jesus

- ♦ Allergologist at HUCA
- ♦ Former Head of the Allergy Unit, Monte Naranco Hospital, Oviedo.
- ♦ Allergy Service, Central University Hospital of Asturias.
- ♦ Member of: Board of Directors of Alergonorte, Scientific Committee of Rhinoconjunctivitis of the SEAIC and Advisory Committee of Medicinatv.com

Dr. Méndez García, Celia

- ♦ Biomedical Researcher at Novartis Laboratories in Boston, USA
- ♦ Doctor in Microbiology from the University of Oviedo
- ♦ Member of the North American Society for Microbiology

Dr. Narbona López, Eduardo

- ♦ Speciality Neonatal Unit, San Cecilio University Hospital
- ♦ Advisor to the Department of Pediatrics, University of Granada.
- ♦ Member of: Pediatric Society of Western Andalusia and Extremadura, Andalusian Association of Primary Care Pediatrics.

Dr. López Vázquez, Antonio

- ♦ Area Specialist in Immunology, Central University Hospital of Asturias, Spain.
- ♦ Collaborator of the Carlos III Health Institute
- ♦ Advisor of Aspen Medical
- ♦ Doctor of Medicine, University of Oviedo.

Dr. Losa Domínguez, Fernando

- ♦ Gynecologist at the Sagrada Familia Clinic of HM Hospitals
- ♦ Doctor in private practice in Obstetrics and Gynecology in Barcelona.
- ♦ Expert in Gynecoesthetics by the Autonomous University of Barcelona.
- ♦ Member of: Spanish Association for the Study of Menopause, Spanish Society of Phytotherapeutic Gynecology, Spanish Society of Obstetrics and Gynecology, Board of the Menopause Section of the Catalan Society of Obstetrics and Gynecology

Dr. López López, Aranzazu

- ♦ Specialist in Biological Sciences Researcher
- ♦ Researcher at Fisabio Foundation
- ♦ Assistant Researcher at the University of the Balearic Islands
- ♦ PhD in Biological Sciences from the University of the Balearic Islands.

Dr. Suárez Rodríguez, Marta

- ♦ Gynecologist specialized in Senology and Breast Pathology
- ♦ Researcher and University Professor
- ♦ PhD in Medicine and Surgery from the Complutense University of Madrid.
- ♦ Bachelor's Degree in Medicine and Surgery from Complutense University of Madrid
- ♦ Master's Degree in Senology and Breast Pathology from the Autonomous University of Barcelona

Mr. Martínez Martínez, Alberto

- ♦ Clinical Nutrition in the Endocrinology and Nutrition Service of the Infanta Elena University Hospital
- ♦ Clinical Nutritionist of Endocrinology and Nutrition Department of the university Rey Juan Carlos 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. Autonomous University of Madrid

Dr. Fernández Menéndez, Amanda

- ♦ Specialist in Pediatric Endocrinology and Nutrition at the University Hospital Fundación Jimenez Diaz
- ♦ Specialist in Pediatrics, Doctor Castroviejo Health Center (SERMAS)
- ♦ Attending physician specializing in Pediatric Endocrinology and Nutrition at La Paz University Hospital.
- ♦ 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 at the University Rey Juan Carlos
- ♦ Expert in Clinical Bioethics from the Complutense University

Dr. Núñez Sanz, Ana

- ♦ Dietician and nutritionist, expert in pregnancy, breastfeeding and infancy.
- ♦ López-Nava Obesity Nutritionist.
- ♦ Nutritionist at Medicadiet
- ♦ *Freelance* Dietitian and nutritionist
- ♦ 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.

Dr. Prieto Moreno, Ana

- ♦ Nutritionist in the Department of Endocrinology and Nutrition at University Hospital Fundación Jiménez
- ♦ Nutritionist at the General Hospital of Villalba
- ♦ Nutritionist at the Infanta Elena University Hospital
- ♦ Nutritionist in the Superior Sports Council
- ♦ Nutritionist at the WWF
- ♦ Nutritionist at Medicadiet
- ♦ Nutritionist at anitas Sociedad Anónima de Seguros
- ♦ Nutritionist at La Paz University Hospital
- ♦ Nutritionist at Fundación Mapfre
- ♦ Nutritionist at Copernal Publishing
- ♦ Nutritionist at Revista Diabetes
- ♦ Master's Degree 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

Dr. González Toledo, Beatriz María

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

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.

Ms. Yela Salguero, Clara

- ♦ Dietitian Coordination of Clinical Trials
- ♦ Dietician at the Jiménez Díaz Foundation Hospital
- ♦ Clinical Trials Coordinator at the Ramón y Cajal Hospital
- ♦ Dietitian at the Severo Ochoa Hospital, in Leganés
- ♦ Dietitian 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 at the Complutense University of Madrid

Dr. Sanz Martínez, Enrique

- ♦ Clinical Nutritionist at the University Hospital General de Villalba and Rey Juan Carlos University Hospital.
- ♦ Dietitian in the project PLUS researcher in the Health Research Institute of the Jiménez Díaz Foundation
- ♦ Researcher and collaborator in the NUTRICOVID study.
- ♦ Researcher and collaborator in the cross-sectional prospective OBESTIGMA 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 Jiménez Díaz Foundation University Hospital.
- ♦ Dietician and Clinical Nutritionist at the University Hospital Infanta Elena
- ♦ Professor in graduate studies Degree in Human Nutrition and Dietetics
- ♦ 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's Degree in Nutrition in Physical Activity and Sport, Open University of Catalunya (UOC)

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)

Dr. Miguélez González, María

- ♦ Attending Physician of Endocrinology and Nutrition at the University Hospital Jiménez Díaz Foundation. of Madrid
- ♦ Degree in Medicine from the University of Valladolid
- ♦ Teaching collaborator in seminars given to students at the Complutense University of Madrid.
- ♦ Professor of the Master Expert in Obesity and Metabolic Complications, endorsed by SEEDO.

Dr. Modroño Móstoles, Naiara

- ♦ Specialist in Endocrinology
- ♦ Doctor Specialist in Pediatric Endocrinology and Nutrition at the University Hospital Fundación Jimenez Diaz
- ♦ Doctor Specialist in Endocrinology the Infanta Elena University Hospital.
- ♦ Doctor 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

Ms. Labeira Candel, Paula

- ♦ Clinical nutritionist in the Bariatric Endoscopy Unit at HM Hospitales
- ♦ Sports and clinical nutritionist at the Clinical Institute of Overweight and Obesity
- ♦ Nutritionist Sports and Clinical at Medicadiet, Slimming & Nutrition
- ♦ Sports Nutritionist at the CF TrivalValderas de 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

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

09

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TECH is a member of the **National League for Nursing (NLN)**, the largest and most established nursing association in the world. This affiliation highlights its commitment to excellence and professional development in the healthcare field.

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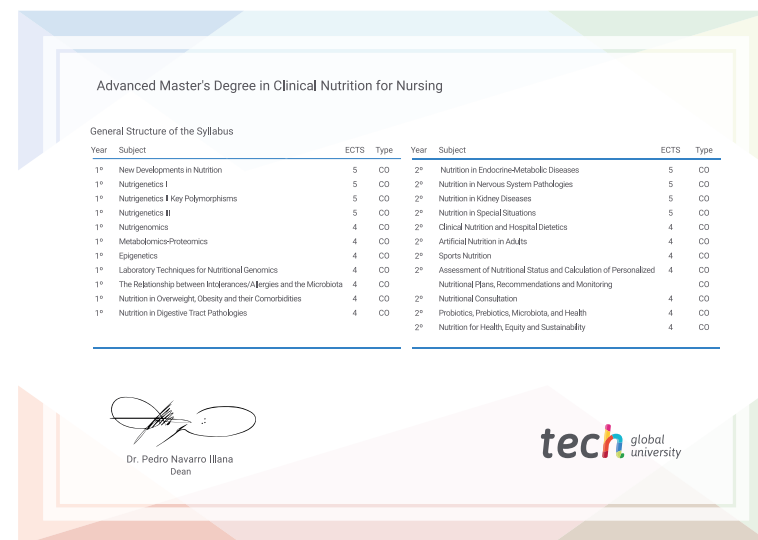


Title: **Advanced Master's Degree in Clinical Nutrition for Nursing**.

Modality: **Online**

Duration: **2 years**

Accreditation: **120 ECTS**





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