

Postgraduate Certificate

Genomic Medicine for Nursing



Postgraduate Certificate Genomic Medicine for Nursing

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

Website: www.techtute.com/pk/nursing/postgraduate-certificate/genomic-medicine-nursing

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 18

05

Methodology

p. 22

06

Certificate

p. 30

01

Introduction

One of the great advances in medicine has been the study of a persons' genomic information as part of their clinical care. A vision that makes it possible to develop personalized treatments and, in turn, to obtain greater precision in the approach to pathologies. A scenario that has brought important new developments to the field of healthcare and Integrative Medicine. A combination that is reflected in this 100% online program created by TECH. It is a program aimed at nursing professionals interested in an update, theoretical and practical on Epigenetics, Nutritional Genomics and Biomedicine. All in a 100% online educational format, which can be accessed 24 hours a day from an electronic device with internet connection.





“

In only 6 weeks you will be up to date on the latest advances in Genomic Medicine for Nursing”

The numerous existing scientific literature shows that, in some conditions, the use of genomic information favors the diagnosis of certain diseases, predicts the results and is an excellent guide in the choice of the most appropriate treatment for each patient.

This is a scenario towards which Genomic Medicine is heading, and which is increasingly attracting the interest of healthcare professionals. In this sense, TECH has developed a proposal that meets the current needs of nurses in this field and those who also wish to update their knowledge in Integrative Medicine.

A 6-week advanced program, where the graduate will be able to get a complete update on Biomedicine, the latest advances in Pharmacogenetics or the most current techniques used in Nutrigenomics. An exhaustive content complemented by video summaries, videos in detail, readings or clinical cases, which will facilitate the update in this field.

Also, thanks to the Relearning system, students will not have to devote many hours to study and memorization, since the continuous repetition of key concepts allows them to be consolidated in a much easier way.

Undoubtedly, an excellent opportunity to keep abreast of the latest developments in Genomic Medicine for Nursing through a flexible and convenient Postgraduate Certificate. All you need is a cell phone, a tablet or a computer to access the syllabus of this program at any time. This way, without attendance or classes with fixed schedules, the nurse will be able to combine his professional responsibilities with a quality program.

This **Postgraduate Certificate in Genomic Medicine for Nursing** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Practical cases presented by experts in Integrative Health
- ♦ 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
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection work
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



Go in depth whenever you want through innovative pedagogical resources in Pharmacogenetics”

“

This 100% online Postgraduate Certificate provides you with the most relevant and current scientific information on Epigenetics”

It includes in its teaching staff a team of professionals from the field who bring to this program the experience of their work, in addition to recognized specialists from prestigious reference societies and universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn in real situations.

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

Thanks to the Relearning system, you will be able to progressively advance through the syllabus and consolidate the concepts addressed.

In this educational option, you will learn more about the latest scientific evidence on the efficient use of Pharmacogenetics.



02 Objectives

The main goal of this Postgraduate Certificate is to offer healthcare professionals a quick update of their knowledge on Genomic Medicine for Nursing. An objective that will be much easier to achieve thanks to the syllabus developed by experts in this field, who provide not only theoretical content, but also case studies that facilitate the integration of the latest advances in this field in daily practice.



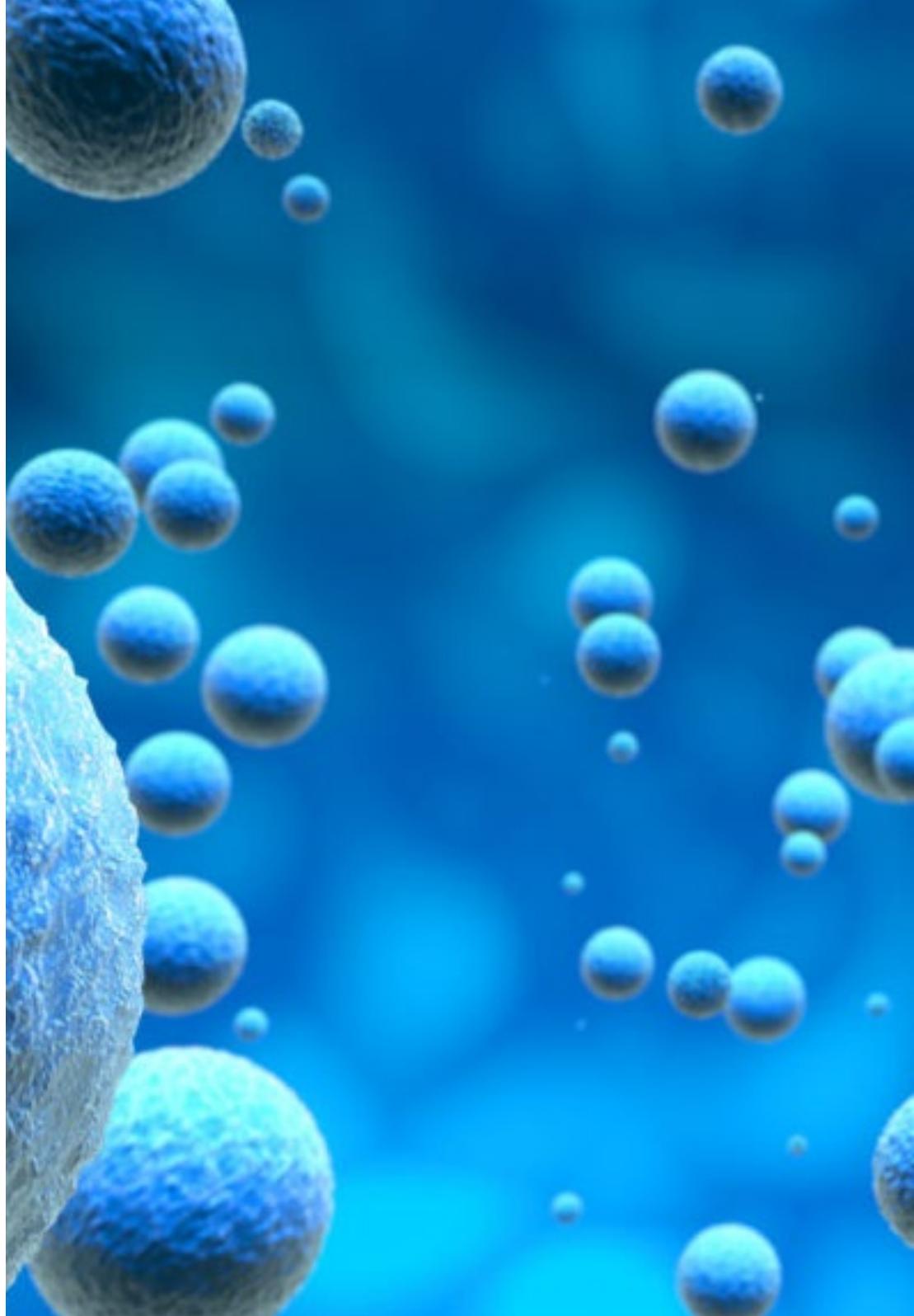
“

Obtain a current and practical vision of Genomic Medicine for Nursing and incorporate the most advanced procedures in personalized diet therapy”



General Objectives

- ♦ Acquire the knowledge and skills required to assess the suitability of each discipline in the clinical setting, so as to provide quality care based on scientific evidence
- ♦ Acquire up-to-date knowledge of Health Sciences Professionals in the various fields of Integrative Medicine
- ♦ Promote work strategies based on an integrative approach and multimodal rehabilitation as a reference model for achieving excellent care
- ♦ Promote the acquisition of technical skills and abilities through an effective multimedia system
- ♦ Encourage professional stimulation through continuous education and research





Specific Objectives

- ♦ Analyze the efficacy of Genomic Medicine in clinical practice, pattern recognition, and evaluation of metabolic networks
- ♦ Interpret literature related to the module
- ♦ Describe the importance of isolating patterns of meaning within complex signals and the complexity of analyzing large datasets
- ♦ Develop customized, clinically meaningful omics-based solutions, with a focus on lifestyle and wellnesscentered solutions

“

TECH offers an update on Advanced Genomic Medicine oriented to Nursing professionals”

03

Course Management

In this educational journey, students will have the support of an excellent team of professionals with extensive experience in Biomedicine, Molecular Biology, Genomic Medicine and Nursing. A magnificent faculty that has been selected by TECH not only for their professionalism, but also for their human qualities. These qualities allow students to obtain a much closer response from real specialists in this field.





“

You have an excellent team of professionals with experience in Biomedicine, Molecular Biology and Integrative Medicine”

Management



Dr. Menassa, Alejandra

- ◆ Head of the Internal Medicine and Mental Health Unit at Clínica Medicina Integrativa
- ◆ Head of the Ozone Therapy area at Clínica Medicina Integrativa
- ◆ Attending Physician of Internal Medicine in the Emergency Department of the Doce de Octubre Hospital
- ◆ Member of the Psychoanalytic Medical Team of the Grupo Cero Film Production Company
- ◆ Master's Degree in Evaluation of bodily and psychosocial injury by the European Institute of Health and Social Welfare
- ◆ Expert in Judicial Psychological Assessment by the Alborán Institute of Psychology
- ◆ Expert in ozone therapy in Internal Medicine from the University of Havana
- ◆ Vice-President of the Spanish Society of Integrative Health and Medicine
- ◆ Member of Spanish Society of Internal Medicine



Dr. Rodríguez Picazo, Pedro

- ◆ Assistant Director, UME clinic
- ◆ Founder Director of Medintegra
- ◆ Health Coordinator at COLISSE
- ◆ PhD in Health Sciences, University of Alicante
- ◆ Diploma in Nursing, Community Health from the University of Alicante
- ◆ University Specialist in Osteopathy, Kinesiology and Acupuncture by the University of Murcia
- ◆ Master's Degree in Advanced Integrative Health and Medicine from TECH Technological University
- ◆ ARPN, Health Services by the European University Miguel de Cervantes
- ◆ Member of the Editorial Board of the Journal Medicina Integrativa RS&MI
- ◆ Member of the Board of-President of the Spanish Society of Integrative Health and Medicine
- ◆ Partner of the European Society of Integrative Medicine
- ◆ Partner in the Society of Integrative Medicine

Professors

Dr. Fernández Barrera, Valle

- ◆ Doctor Expert in Integrative Medicine
- ◆ Integrative Physician at the Valle Fernandez Clinic
- ◆ Family Physician in Health and Emergency Centers
- ◆ Director of Los Almendrales Medical Center
- ◆ Master Integrative and Humanistic Medicine by the Lineo Institute ASEPROIM
- ◆ Expert in Immunonutrition medicine at the Catholic University of Valencia San Vicente Martir

Dr. González, Belén

- ◆ Medical Expert in Nutrition and Integrative Medicine at the San Fernando Medical Center
- ◆ Expert in Nutrition and Integrative Medicine at the Varoa Clinic
- ◆ Clinical Manager at Insit
- ◆ Professor in undergraduate studies in Integrative Medicine
- ◆ Master's Degree in Clinical Psychoneuroimmunology from the University Pontificia of Salamanca

Dr. Sabater Tobella, Juan

- ◆ Research Specialist in Genomic Medicine and Metabolopathies
- ◆ President of honor of the Royal Academy of Pharmacies of Catalonia
- ◆ President of Eugenic
- ◆ Director of the first center in Spain that focuses on researching and diagnosing metabolic diseases: Institute of Clinical Biochemistry-Barcelona
- ◆ Implementation of the first provincial program for the early detection of Phenylketonuria and other metabolopathies
- ◆ Biochemistry Professor at the Faculty of Medicine of the Autonomous University of Barcelona
- ◆ PhD in Pharmacy from the University of Barcelona
- ◆ Degree in Pharmacy from the University of Barcelona
- ◆ Member of: Royal Academy of Medicine of Catalonia la Real Academia Nacional of Medicine, of the Institute of Spain, Academy of Pharmacies of Catalonia

Dr. Matute, Ruth

- ◆ Biochemist and Molecular Biologist Expert in Nutrigenomics
- ◆ Biochemist at ADNLife
- ◆ Speaker in several courses related to Nutritional Genomics
- ◆ PhD in Biochemistry and Molecular Biology
- ◆ Degree in Biochemistry and Molecular Biology
- ◆ Expert in Genomics and Precision Medicine from the University of California
- ◆ Expert in Epigenetics and Control of Gene Expression, University of Melbourne
- ◆ Postgraduate Diploma in Clinical Nutrition from the University of California





Dr. González Martín, María del Carmen

- ◆ Medical Director Centers clinic
- ◆ Specialist in Orthomolecular Medicine and Antiaging the Centers Clinic
- ◆ PhD in Infectious Diseases and Microbiology from the University of Granada
- ◆ Master's Degree in Active Cell Nutrition by the French Association of Orthomolecular Medicine
- ◆ Vice-President of the Cosmetic Medicine Association of Granada
- ◆ Member of: Spanish Society for Nutrition and Orthomolecular Medicine, Member of the International Committee of experts in Ozone Therapy

“

Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"

04

Structure and Content

This Postgraduate Certificate consists of a syllabus that addresses from a theoretical-practical perspective the latest scientific evidence on Genomic Medicine for Nursing. A complete syllabus that will take the health professional to make an intensive update in just 6 weeks. For this, it has an innovative multimedia content that can be accessed comfortably from any electronic device with internet connection.



“

An advanced syllabus that will allow you to be up to date in the latest scientific incorporations in Nutritional Genomics”

Module 1. Genomic Medicine

- 1.1. Introduction to Genomic Medicine
 - 1.1.1. Genomic Medicine
- 1.2. Polymorphisms. Epigenetics
- 1.3. Pharmacogenomics
- 1.4. Nutritional Genomics
 - 1.4.1. Nutrigenomics
 - 1.4.2. Nutrigenetics. Gluten, Lactose and Fructose Intolerance
 - 1.4.3. Functional food
 - 1.4.4. Personalized Diet Therapy
- 1.5. Biomedicine. Biochemistry Overview





“

Thanks to this 100% online Postgraduate Certificate you will be able to delve into the main food intolerances in a dynamic way”

05

Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.





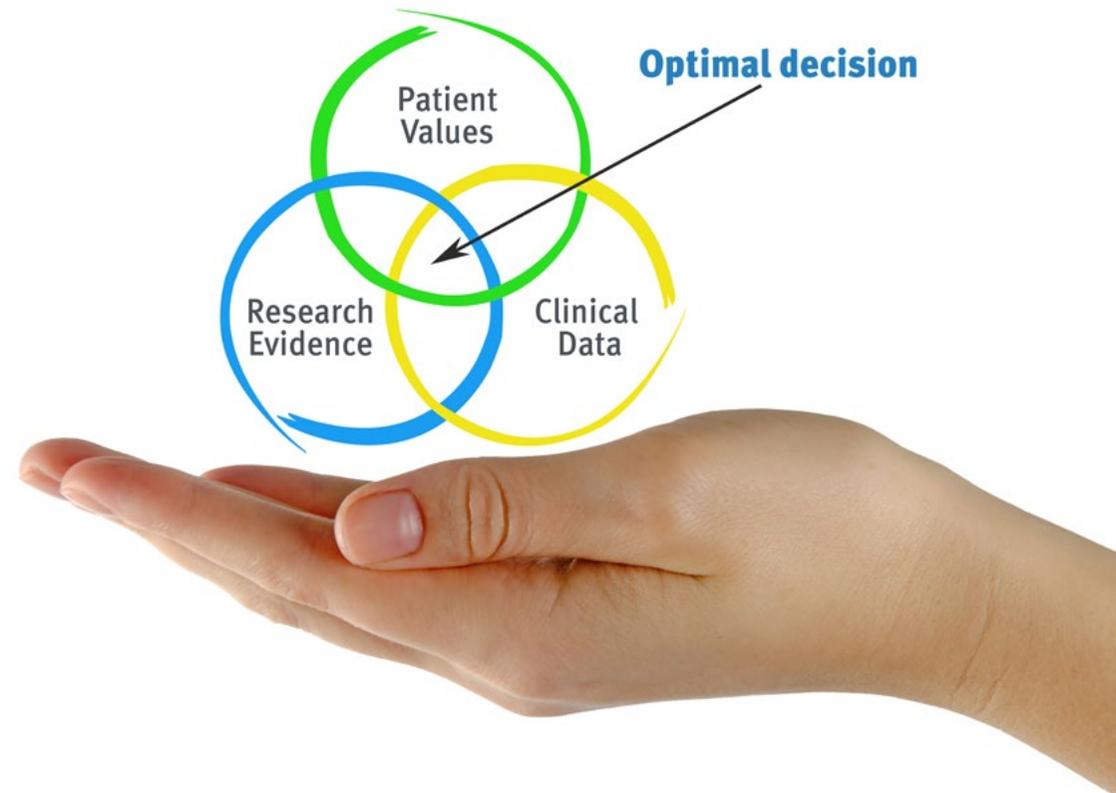
“

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH Nursing School we use the Case Method

In a given situation, what should a professional do? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Nurses learn better, faster, and more sustainably over time.

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



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

“

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

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

1. Nurses who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine case studies with a 100% online learning system based on repetition combining a minimum of 8 different elements in each lesson, which is a real revolution compared to the simple study and analysis of cases.



The nurse will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.

At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology we have trained more than 175,000 nurses with unprecedented success in all specialities regardless of practical workload. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

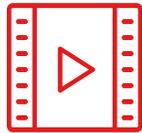
Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



Study Material

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

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Nursing Techniques and Procedures on Video

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



Interactive Summaries

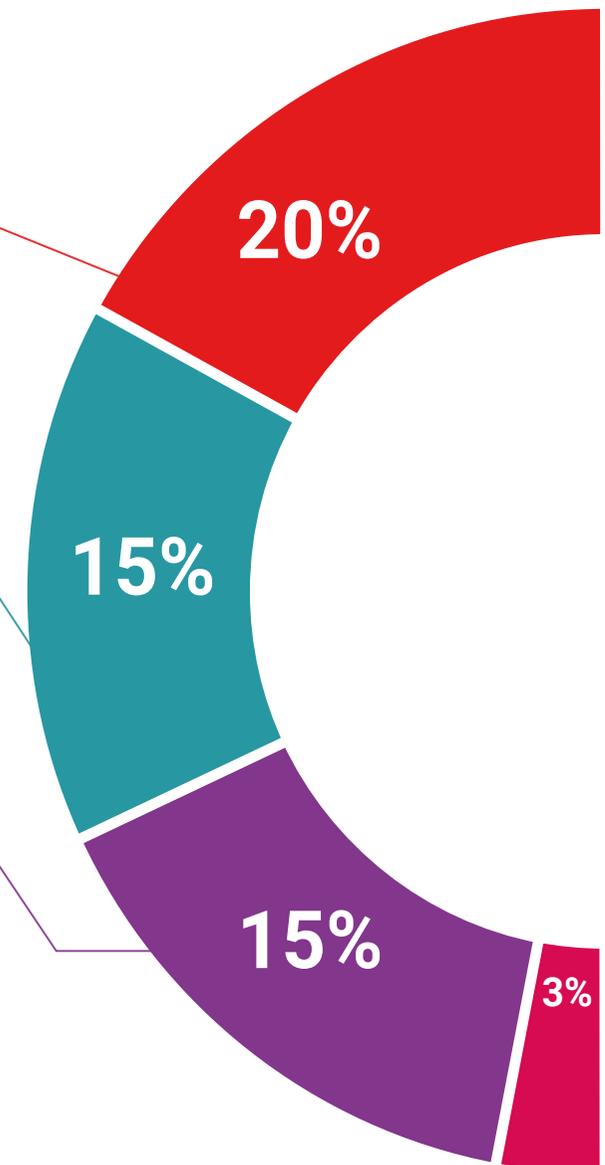
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

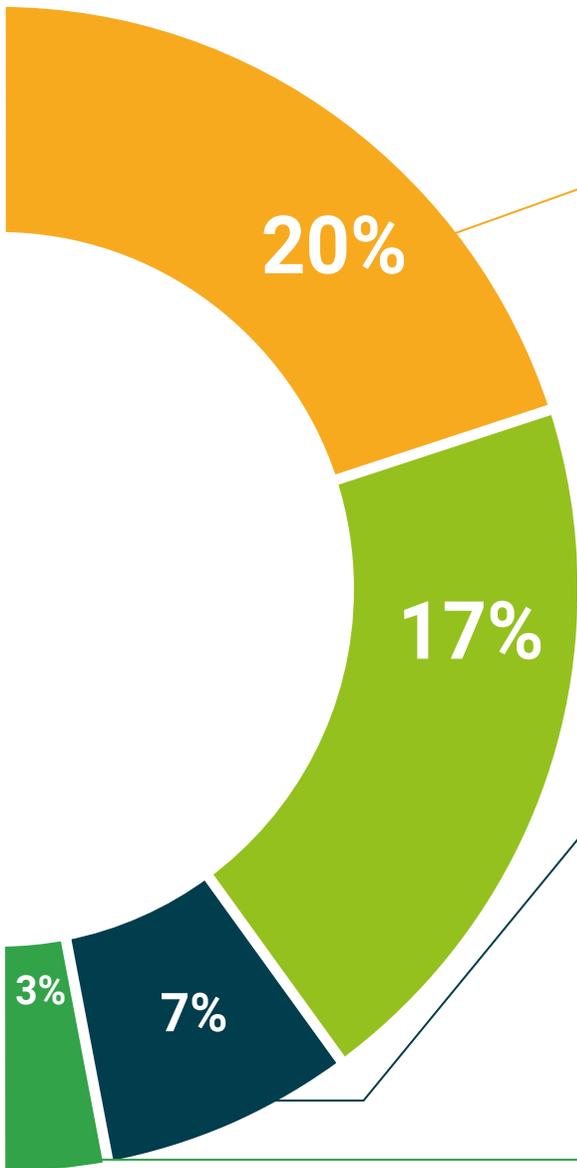
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



Classes

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

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



Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



06 Certificate

The Postgraduate Certificate in Genomic Medicine for Nursing guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



“

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

This **Postgraduate Certificate in Genomic Medicine for Nursing** contains the most complete and up-to-date scientific program on the market.

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

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

Title: **Postgraduate Certificate in Genomic Medicine for Nursing**

Official N° of Hours: **200 h.**



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



Postgraduate Certificate Genomic Medicine for Nursing

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

Postgraduate Certificate Genomic Medicine for Nursing

