

Postgraduate Certificate

Disease Prevention in Public Health for Nursing



Postgraduate Certificate Public Health Disease Prevention for Nursing

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/nursing/postgraduate-certificate/public-health-disease-prevention-nursing

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 16

05

Methodology

p. 20

06

Certificate

p. 28

01

Introduction

According to data compiled by the World Health Organization, millions of people each year suffer from diseases that could have been prevented by appropriate interventions. This highlights how the burden of preventable diseases continues to represent a significant global public health challenge. Against this backdrop, nursing professionals play a crucial role in preventive health, as they can contribute to reducing the spread of these conditions through effective health promotion strategies in the community. It is therefore vital that nurses are aware of new disease prevention strategies based on scientific research. To support them with this work, TECH presents an innovative online university degree focused on this subject.



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Through this Postgraduate Certificate, based on Relearning, you will apply the most avant-garde strategies of health promotion to promote healthy lifestyles and prevent pathologies in the community”

Nursing personnel play a key role in disease prevention at the international level, from the promotion of vaccination to education on healthy lifestyles. In this sense, professionals have the responsibility to raise awareness among citizens about the importance of adopting habits such as a balanced diet or regular exercise to optimize their state of health. However, this requires nurses to remain at the forefront of primary prevention practices with the aim of reducing individuals' risk of chronic diseases such as Diabetes, Cancer and even cardiovascular conditions.

Against this backdrop, TECH has created a pioneering and comprehensive Postgraduate Certificate in Disease Prevention in Public Health for Nursing. The academic itinerary will analyze the main risk factors of a wide range of pathologies, among which rare diseases or immunopreventable infections stand out. Therefore, graduates will acquire advanced skills to analyze the health status of citizens. Along the same lines, the syllabus will delve into the main emerging pathologies (including epidemic outbreaks) and will delve into subjects such as the International Health Regulations. Thanks to this, nurses will carry out innovative strategies to prevent pathologies in the community.

As for the methodology of this university program, it is taught in a convenient 100% online mode to give nurses the flexibility to plan their schedules individually. In addition, TECH employs its disruptive Relearning learning methodology, based on the repetition of key concepts to lock in knowledge.

This will ensure that professionals enjoy progressive learning that is both natural and long-lasting. This combination of accessibility and innovative pedagogical approach will ensure that graduates acquire practical skills to optimize both their clinical care and their clinical work.

This **Postgraduate Certificate in Disease Prevention in Public Health for Nursing** contains the most complete and up-to-date scientific program on the market. The most important features include

- ♦ The development of case studies presented by experts in Public Health and Health Management
- ♦ The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable 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 assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



The current importance of Disease Prevention in Public Health makes this program a safe bet, with a constantly growing market"

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You will delve into the Biological Mechanisms of Cardiovascular Diseases to recognize the early signs of these pathologies in patients and facilitate a faster treatment”

The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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

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

Are you looking to incorporate the most innovative techniques for the detection of rare pathologies and neonatal screening into your practice? Get it through this program.

TECH provides you with a 100% online learning methodology, based on free access to academic content.



02

Objectives

Through this Postgraduate Certificate, Nursing personnel will excel in having a thorough understanding of the fundamentals of epidemiology, including the determinants of disease and the most advanced research methods. Likewise, graduates will be able to identify risk factors of pathologies in the population and determine the most effective prevention strategies. Likewise, professionals will acquire competencies in the planning, implementation and evaluation of disease prevention programs at the community level.





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You will develop advanced competencies in health promotion and health education to promote healthy lifestyles that prevent diseases”



General Objectives

- ◆ Develop a broad and comprehensive conceptual framework of the situation, challenges and needs of Public Health in the 21st century
- ◆ Examine the international and global framework of Public Health policies
- ◆ Determine the key factors for a correct communication in health crisis: crisis communication and communication crisis
- ◆ Identify the theoretical and methodological framework for evaluation in Public Health
- ◆ Identify the steps to be followed for disease assessment using epidemiological data
- ◆ Compile the research methodology related to disease surveillance
- ◆ Identify the main risk and protective factors in communicable and non-communicable diseases
- ◆ Analyze the importance of quality assessment of intervention studies
- ◆ Develop the fundamentals of clinical epidemiology, measurement of frequency and distribution of diseases
- ◆ Critically evaluate the efficacy and effectiveness of clinical interventions, pharmacological treatments, surgical interventions and prevention strategies
- ◆ Fundamentals of the principles of the epidemiological method
- ◆ Fundamentals of the principles of health promotion, social determinants of health, health-related behavioral theories, and strategies to promote healthy lifestyles and environments
- ◆ Analyze the main health risks for different vulnerable groups
- ◆ Implement a holistic and integrative vision in the impact assessment of environmental risks on health protection





Specific Objectives

- Analyze the epidemiology and risk factors of Cancer, as well as its primary and secondary prevention
- Support the epidemiology of Cardiovascular Diseases and their risk
- Promote the detection of rare diseases and neonatal screening programs
- Evaluate healthy and active aging programs
- Identify the main communicable diseases
- Determine the usefulness of vaccines in the prevention of Immunopreventable Infectious Diseases

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You will extract valuable lessons through the analysis of real cases in simulated learning environments”

03

Course Management

In accordance with its philosophy of making available to anyone the most complete and updated university programs in the academic panorama, TECH carries out a meticulous process to form its teaching staff. For the delivery of this Postgraduate Certificate, TECH has enlisted the services of leading professionals in the field of Disease Prevention in Public Health. These specialists have a long career, where they have contributed to optimizing the quality of life of numerous people. Thanks to this, they have developed teaching materials of the highest quality and that meet the current demands of the labor market.



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An experienced teaching team highly specialized in Public Health will guide you throughout the academic itinerary, resolving any doubts you may have”

Management



Ms. Ruiz Redondo, Julia María

- Coordinator of the National Working Group on Public Health 2.0 in the SEMG
- Coordinator of the General Directorate of Public Health in the Ministry of Health of Castilla-La Mancha
- Coordinator of the Regional Advisory Group on Immunization at the Regional Ministry of Health of Castilla-La Mancha
- Nurse Inspector in the Management of Coordination and Inspection of Castilla-La Mancha in the SESCAM
- Nurse of Specialized Care in the Hospital Emergency Area at the General Hospital of Tomelloso
- Master's Degree in Medical Management and Clinical Management by the UNED, ISCIII, National School of Health
- Master's Degree in Vaccines from the Catholic University of San Antonio de Murcia
- Master's Degree in Specialized Emergency Nursing Care, Critical Patient Area and Post-Anesthesia Care by the University of Valencia
- Master's Degree in Nursing Services Management from the UNED
- Senior Healthcare Management Program from San Telmo Business School
- Graduate in Nursing from the Catholic University of Avila
- Diploma in Nursing from the University of Jaén

Professors

Dr. Silva Contreras, Javier

- ♦ Head of the Preventive Medicine Service of the Virgen de la Luz Hospital
- ♦ Master's Degree in Public Health and Healthcare Management, University of Valencia
- ♦ Master's Degree in Infectious Diseases and Antimicrobial Treatment by the Cardenal Herrera University
- ♦ Specialist in Vaccines by the University of Santiago de Compostela.
- ♦ Specialist in Nosocomial Infections by the EUROINNOVA Postgraduate Training Center
- ♦ Specialist Doctor in Preventive Medicine and Public Health
- ♦ Degree in Medicine and Surgery from the Pontifical Javeriana University Dr. Jimeno Sanz, Isabel
- ♦ Director and Family Physician at the Isla de Oza Health Center
- ♦ Collaborator with different groups of the Consejería de Sanidad de Madrid
- ♦ Responsible for the SEMG Vaccine Group
- ♦ Specialist in the CAM Vaccine Advisory Committee and in the VHP Platform of Madrid
- ♦ Principal Investigator in Clinical Trials
- ♦ Master's Degree in Epidemiology and Public Health Autonomous University of Madrid
- ♦ Master's Degree in Dietetics and Nutrition by the University of Navarra.
- ♦ Degree in Medicine and Surgery from the Complutense University of Madrid
- ♦ Diploma in Leadership and Management of PC Teams, Autonomous University of Madrid
- ♦ Member of the Neumoexperto Group

Dr. Losada Salamanca, Diana Carolina

- ♦ Palliative Medicine Physician, Palliative Care Unit at Hospital Virgen de la Luz
- ♦ Emergency Physician at the Hospital Virgen de la Luz.
- ♦ Master's Degree in Bioethics by the Catholic University of Valencia
- ♦ Master's Degree in Palliative Care for Medicine by the CEU Cardenal Herrera
- ♦ Expert in Individualized Palliative Care for Medicine
- ♦ Expert in Clinical Management of the Palliative Care Patient For Medicine
- ♦ Expert in Psychosocial Aspects in the Palliative Patient For Medicine
- ♦ Medical Specialist in Family and Community Medicine (2020)
- ♦ Degree in Medicine and Surgery from the Pontifical Javeriana University



A unique, crucial and decisive learning experience to boost your professional development"

04

Structure and Content

This program will provide nurses with a holistic understanding of the principles of disease prevention in the context of public health. The syllabus will delve into the epidemiology of cancer, addressing issues such as risk factors and legislative measures. In line with this, the study plan will delve into the detection of rare diseases, cardiovascular conditions and even communicable pathologies. In this way, graduates will gain advanced competencies to detect risk factors and disease patterns. The program will also provide nurses with state-of-the-art techniques to promote vaccination.



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You will be able to identify risk factors for diseases and design effective strategies for their prevention”

Module 1. Epidemiology and Prevention of Communicable and Non-communicable Diseases

- 1.1. Epidemiology of Cancer Primary Risk Factors and Prevention
 - 1.1.1. Descriptive Epidemiology: Incidence, Mortality and Data Sources
 - 1.1.2. Cancer Risk Factors: Environmental and Occupational
 - 1.1.3. Other Factors: Ultraviolet Light, Infections, Radiation
- 1.2. Risk Factors and Primary Prevention of Cancer: Lifestyle and Screening
 - 1.2.1. Primary Prevention Risk Factors and Prevention Strategies
 - 1.2.2. Legislative Measures
 - 1.2.3. Secondary Prevention
- 1.3. Biological Mechanisms of Cardiovascular Disease Estimation of Cardiovascular Risk and Population Prevention
 - 1.3.1. Ischemic Heart Disease and Stroke
 - 1.3.2. Epidemiological Indicators
 - 1.3.3. Classification of Cardiovascular Risk
 - 1.3.4. Prevention and Control of Cardiovascular Diseases
- 1.4. Detection of Rare Diseases and Neonatal Screening
 - 1.4.1. Rare Diseases
 - 1.4.2. Newborn Screening Programs
 - 1.4.3. Neonatal Screening for Congenital Metabolic and Endocrinologic Diseases
- 1.5. Comprehensive Approach to Chronic Disease Prevention for Healthy and Sustainable Aging
 - 1.5.1. Healthy Aging
 - 1.5.2. Active Aging
 - 1.5.3. Integrated Prevention
- 1.6. Epidemiology of Communicable Diseases: Epidemiologic Surveillance Systems and Notifiable Disease Systems
 - 1.6.1. Causative Agents
 - 1.6.2. Time Periods
 - 1.6.3. Transmission
 - 1.6.4. Host and Susceptible Population
 - 1.6.5. Epidemiological Surveillance Systems



- 1.7. Utility of Vaccines in the Prevention of Immunopreventable Infectious Diseases
 - 1.7.1. Analysis of the Importance of Vaccination in the Prevention of Infectious Diseases at the Individual and Community Levels
 - 1.7.2. Evolution of Vaccines: Types of Vaccines Currently Available
 - 1.7.3. Mechanisms of Action of Vaccines and Their Impact on the Immune System
 - 1.7.4. Efficacy and Safety of Vaccines in the Prevention of Infectious Diseases
 - 1.7.5. Importance of Vaccination in Risk Groups and in the Prevention of Epidemics
 - 1.7.6. Logistics and Vaccination Programs at the International Level
 - 1.7.7. Economic and Social Impact of Vaccination in the Prevention of Infectious Diseases
 - 1.7.8. Research and Analysis of Barriers and Challenges in the Implementation of Vaccination Programs
 - 1.7.9. Strategies and Measures to Promote Vaccination and to Raise Public Awareness of its Importance
 - 1.7.10. Evaluation and Critical Analysis of the Scientific Literature Related to Vaccines and their Usefulness in the Prevention of Infectious Diseases
- 1.8. Emerging Diseases Epidemic Outbreaks
 - 1.8.1. Factors Favoring Emerging Diseases
 - 1.8.2. New Agents and Diseases
 - 1.8.3. International Health Regulations (IHR)
 - 1.8.4. Epidemic Outbreaks. Study, Control and Measures: Chemoprophylaxis, Immunoglobulins and Vaccines
- 1.9. Viral Hepatitis, HIV infection, AIDS, Sexually Transmitted Infections (STIs) and Tuberculosis
 - 1.9.1. Hepatitis A: Etiology, Epidemiology and Preventive Measures
 - 1.9.2. Hepatitis B: Etiology, Epidemiology and Preventive Measures
 - 1.9.3. Other Viral Hepatitis: Etiology, Epidemiology and Preventive Measures
 - 1.9.4. HIV: Etiology, Epidemiology and Preventive Measures
 - 1.9.5. Sexually Transmitted Infections (STIs): Etiology, Epidemiology, and Preventive Measures
 - 1.9.6. Tuberculosis: Etiology, Epidemiology and Preventive Measures
- 1.10. Meningococcal Disease (MD) and Zoonosis: Epidemiology Prevention and Control
 - 1.10.1. Epidemiology of Meningococcal Disease
 - 1.10.2. Prevention and Control of Meningococcal Disease
 - 1.10.3. Epidemiology of Zoonoses
 - 1.10.4. Prevention and Control of Zoonoses



You will have access to the didactic materials from any device with an Internet connection. Even from your cell phone!"

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.



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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.

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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.

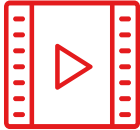
Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

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 adapted in 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

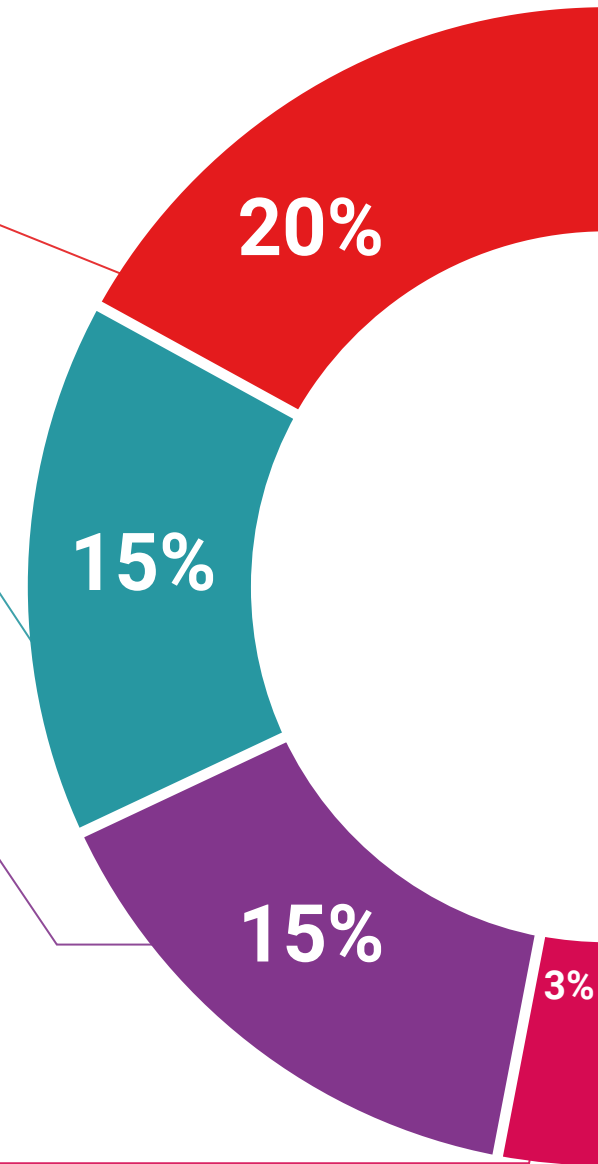
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

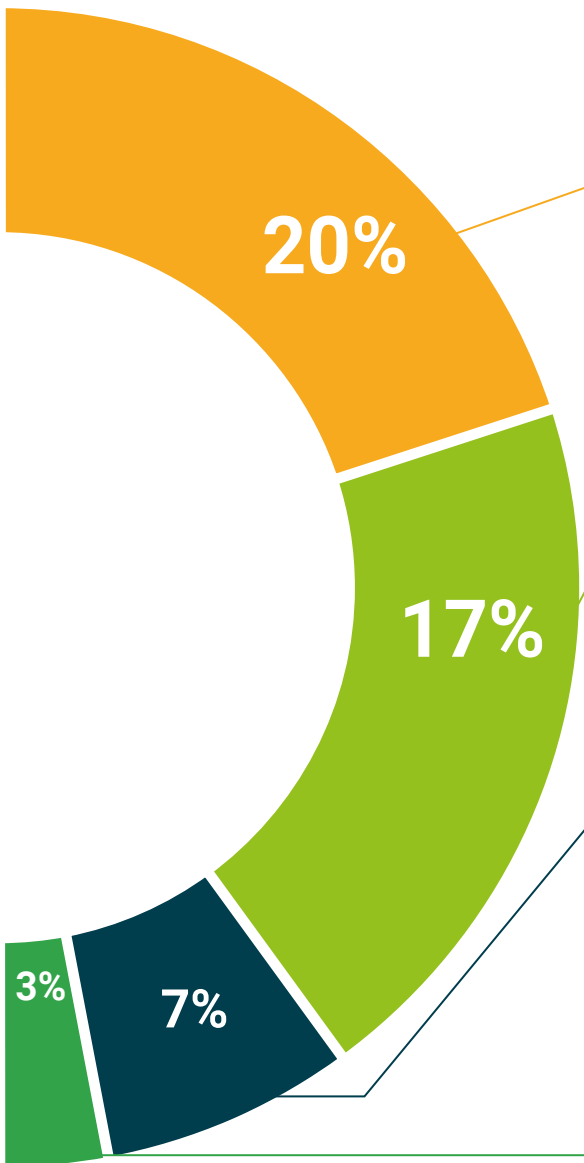
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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

The student's knowledge is periodically assessed and re-assessed throughout the program, through evaluative and self-evaluative activities and exercises: in this way, students can check how they are doing in terms of 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 Disease Prevention in Public Health for Nursing guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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

This private qualification will allow you to obtain a **Postgraduate Certificate in Disease Prevention in Public Health for Nursing** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Disease Prevention in Public Health for Nursing**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





Postgraduate Certificate
Disease Prevention in Public
Health for Nursing

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 6 ECTS
- » Schedule: at your own pace
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Postgraduate Certificate

Disease Prevention in Public Health for Nursing

