



Diabetic Foot Management for Nursing

» Modality: online

» Duration: 6 weeks

» Certificate: TECH Global University

» Accreditation: 6 ECTS

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/nursing/postgraduate-certificate/diabetic-foot-management-nursing

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### tech 06 | Introduction

Diabetic Foot management requires a multidisciplinary approach, in which nurses play an important role. Among the main duties of these experts, they highlight the performance of regular assessments of the condition of the feet of patients with Diabetes, looking for signs of potential problems such as redness, swelling or cuts. In this regard, they also carry out continuous monitoring of the profession of any existing ulcers, which allows them to evaluate the effectiveness of the treatments applied. Thanks to this, professionals prevent complications associated with the diabetic foot, such as serious infections that can lead to amputations.

In this context, TECH presents a revolutionary Postgraduate Certificate in Diabetic Foot Management for Nursing. Designed by experts in this field, the academic itinerary will delve into the risk factors and underlying causes of these complications. Likewise, the syllabus will delve into the assessment of the diabetic foot, analyzing aspects such as risk assessment methods, detailed physical examinations and the use of complementary tests. Therefore, graduates will be able to identify early signs of foot problems. In this sense, the didactic materials will explore the most cutting-edge therapies for the treatment of the diabetic foot, including the use of advanced dressings. In addition, the program will provide professionals with strategies to raise patient awareness of the importance of preventing this condition through daily foot care.

As for the methodology of the university program, it is based on TECH's Relearning method, which guarantees the thorough assimilation of complex concepts. It should be noted that the only thing that nurses need to access this Virtual Campus is a device with Internet access, where they will find a variety of multimedia resources such as explanatory videos. In addition, a renowned International Guest Director highly specialized in Diabetic Foot Management for Nursing will give comprehensive master classes to delve into the latest innovations in this field.

This **Postgraduate Certificate in Diabetic Foot Management 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 Wound Management for Nursing
- 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



A prestigious International Guest Director will offer a thorough Masterclasses to delve into new technologies in wound healing"



You will delve into the importance of Diabetic Foot patients following a balanced diet to maintain blood glucose levels within healthy ranges"

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.

Do you want to incorporate the most sophisticated diabetic foot assessment techniques into your practice? With this program you will master them in only 180 hours.

You will expand your knowledge at your own pace, thanks to the convenience offered by TECH's online modality.







### tech 10 | Objectives



### **General Objectives**

- Develop key techniques and considerations in skin assessment in Nursing
- Determine the management of common dermatologic conditions
- Examine recent advances in dermatologic care and their application in Nursing practice
- Examine Dependency-Related Skin Lesions, and understand their etiology
- Analyze the risk factors and underlying causes of pressure ulcers
- Establish the relationship between prolonged pressure and ulcer development
- Assess the prevalence and impact of Dependency-Related Skin Lesions in health care
- Substantiate the complexity of comprehensive management of venous ulcers from a preventive approach
- Develop specialized competencies in the treatment and care of venous ulcers to design personalized care plans and coordinate interdisciplinary care for patients with venous ulcers
- Update knowledge on the latest advances and technologies in venous ulcer treatments to be able to integrate them into clinical practice and improve patient outcomes
- Analyze the pathophysiology of arterial ulcers, exploring the underlying causes and mechanisms that will trigger arterial ulcer formation to improve diagnosis and management
- Master assessment and diagnostic techniques, specializing nurses in the accurate identification of arterial ulcers, differentiation between arterial ulcers and other skin lesions, to facilitate an effective care plan

- Develop skills in the comprehensive management of arterial ulcers, providing practical tools and strategies for the treatment of arterial ulcers, including wound healing techniques, infection prevention and promotion of healing
- Substantiate relevant principles of surgical wound care
- Generate specialized knowledge to master wound assessment techniques to identify complications
- Manage best practices in wound dressing and cleansing
- Analyze the best strategies to prevent infection and promote optimal healing
- Develop the importance of patient education in wound care
- Prevent the development of diabetic foot ulcers through a combination of proper skin care, patient education on regular foot inspection, proper footwear and early identification and management of risk factors
- Prevent serious complications such as infections, osteomyelitis and amputations by controlling blood glucose, treating neuropathy and peripheral vascular disease, and providing early care for any injuries
- Educate the patient on diabetic foot management, the importance of self-care: regular foot examination, proper skin care, wearing appropriate footwear, and seeking timely medical attention for injuries
- Adopt Advanced Treatment Strategies, methods and specialized techniques for the treatment of skin lesions in Pediatrics





- Promote multidisciplinary collaboration with other health care professionals and Prevention and Education, instilling the importance of skin lesion prevention and education for parents and caregivers
- Develop specialized clinical skills in the management of skin lesions in Pediatrics and equip nurses with skills to treat and manage skin lesions in children
- Examine the Physiology of Pediatric Skin, determine the differences between pediatric and adult skin and the treatment of lesions
- Adopt Advanced Treatment Strategies, methods and specialized techniques for the treatment of skin lesions in Pediatrics
- Promote Effective Communication, develop skills to communicate with children and their caregivers in a compassionate and effective manner
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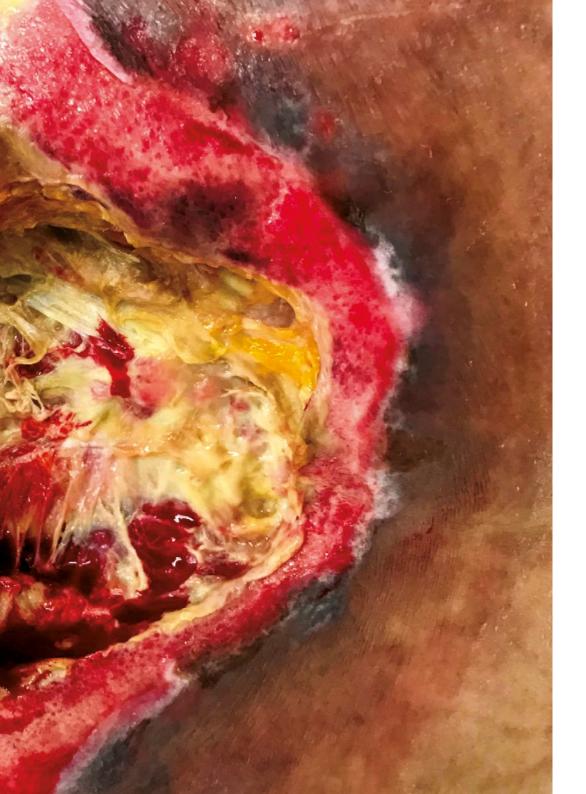
### tech 12 | Objectives



### **Specific Objectives**

- Develop skills to control blood glucose within target range, critical to preventing diabetic foot complications
- Substantiate the importance of controlling blood pressure and lipid levels within recommended ranges to help prevent cardiovascular disease and microvascular complications associated with the Diabetic Foot
- Determine how to perform a regular foot exam: educate the patient on the importance of regularly examining their feet for signs of lesions or changes, such as calluses, abrasions, redness or changes in skin temperature
- Specify how to carry out proper skin care by the patient to keep the skin of the feet clean and moisturized, avoiding the use of products that can cause dryness or irritation, and using appropriate moisturizing creams
- Know how to convey to the patient the importance of proper footwear that fits properly and protects the feet from injury, abrasions and deformities, especially if the patient has peripheral neuropathy or foot deformities
- Generate specialized knowledge about ulcer prevention, Implement specific preventive
  measures to reduce the risk of developing foot ulcers such as removal of calluses, proper
  nail trimming, the use of orthopedic pads or insoles, and avoidance of sudden temperature
  changes
- Address the treatment of existing foot ulcers including debridement of necrotic tissue, infection control and promotion of wound healing
- Educate the patient on the importance of maintaining a healthy weight, following a balanced diet, exercising regularly, and avoiding tobacco and excessive alcohol consumption







You will have a wide range of multimedia resources, which will allow you to enjoy a more dynamic and simple updating process"





#### **Guest Director**



### Mr. Pérez Barreno, David

- Complex Chronic Wounds Nurse in the Malaga-Guadalhorce Valley Health District
- Manager and Coordinator of Nursing staff in health care centers
- KOL in several innovation and research projects related to Wound Care Nursing
- Member of the Group of Research in Care of Malaga (Invescuida) IBIMA
- Administrator of OJS Platforms in Nursing scientific journals
- Master's Degree in Deterioration of Cutaneous Integrity, Ulcers and Wounds by the Catholic University of Valencia
- University Expert in Care and Cure of Chronic Wounds by the University of Cantabria
- University Expert in Nursing Human Resources Management, UNED (UNED)
- Postgraduate Certificate in Nursing from the University of Cadiz
- Diploma in Physiotherapy from the University of La Laguna, Tenerife
- Member of: Spanish Association of Vascular and Wound Nursing, Spanish Wound Society, European Wound Management Association (EWMA)

### Management



### Mr. Toribio Martínez, Sergio José

- Academic Specialist in Nursing at the University of Granada
- Nurse of the Operating Room Service at the University Hospital of Ceuta
- Member of the Commission for Research, Teaching and Continuing Education at the University Hospital of Ceuta
- Expert in Evaluation of Continuing Health Education Activities at the National Institute of Health Management, Ministry of Health and Consumer Affairs
- Master's Degree in Nursing Sciences Research, University of Almeria
- Master's Degree in Occupational Risk Prevention, specializing in Ergonomics, Occupational Safety, Industrial Hygiene and Applied Psychosociology
- University Expert in Emergency Nursing from the Complutense University of Madrid
- Diploma in Nursing from the University of Granada
- Higher Diploma in Management and Administration of Health and Social Services Companies, National School of Health, Carlos III Health Institute
- Diploma in Health by the National School of Health, Carlos III Institute of Health

### tech 18 | Course Management

#### **Professors**

#### Ms. Bueno Ramírez, Soledad

- Nurse of Internal Medicine and Outpatients at the University Hospital of Ceuta
- Nurse at the Fresenius Medical Care Dialysis Center
- Nurse in the Surgical Medicine Service at the Military Hospital, Ceuta
- Nurse in the Psychiatry and Internal Medicine Service at the Reina Sofia University Hospital
- Nurse at the Ceuta Dialysis Center, Ceuta
- Nurse at FEAPS (Center for the Physically, Mentally and Sensory Handicapped)
- Nurse for Nest, Emergency and Plant Services at Hospiten Sur, Tenerife
- Master's Degree in Nursing in Emergencies and Catastrophes
- Master's Degree in Nursing in Internal Medicine
- University Diploma in Nursing Processes and Interventions in the field of General Care
- University Expert in Disaster Management for Nursing
- University Expert in Advanced Life Support
- University Expert in Severe Trauma Care for Nursing
- University Expert in Emergency Medical Care for Nursing
- · University Expert in Pregnancy, Childbirth and Puerperium for Nursing
- University Expert in Pediatric Care for Nursing
- Diploma in Business Nursing from the University of Ceuta
- Diploma in Nursing from the University of Granada
- Higher Technician in Clinical Diagnostics Laboratory

### Ms. Pareja Miralles, Patricia

- Nurse of the Internal Medicine Service at the University Hospital of Ceuta
- Dialysis Service Nurse at RTS (BAXTER)
- Nurse of the Dialysis Service at Fresenius Medical Care
- Nurse at the Venus Center, Ceuta
- Master's Degree in Internal Medicine Nursing
- Master's Degree in Emergency and Catastrophe Nursing
- University Expert in Advanced Life Support for Nursing
- University Expert in Disaster Management for Nursing
- University Expert in Processes of Nursing Interventions in the Field of General Care
- University Expert in Pediatric Care for Nursing
- University Expert in Pregnancy, Childbirth and Puerperium for Nursing
- University Expert in Severe Trauma Care for Nursing
- University Expert in Emergency Medical Care for Nursing
- Diploma in Nursing from the University School of Granada

#### Ms. Fernández de Barrena San Miguel, Ainhoa

- Nurse in the Emergency Department at the University Hospital of Ceuta
- Nurse in Vivanta Clinics, Aesthetic Medicine
- Nurse in Plena Inclusion Ceuta
- Nurse at the Temporary Stay Center for Immigrants (CETI)
- Professional Master's Degree in Accident, Emergency and Disaster Nursing
- Professional Master's Degree in Internal Medicine Nursing
- University Expert in Disaster Management for Nursing
- University Expert in Emergency Medical Care for Nursing
- University Expert in Severe Trauma Care for Nursing
- University Expert in Advanced Life Support for Nursing
- University Expert in Applied Infectious Diseases in Nursing
- Diploma in Nursing from the University of Granada

#### Ms. Gaona Ortiz, Noelia

- Nurse in Public Health Services and Centers in Ceuta
- Nurse in Franciscan Brothers of Cruz Blanca
- Nurse in Pia Union Fraternity of Christ, Residence Nazareth, Ceuta
- Nurse in Residencia Sar Rosario, Torres de la Alameda, Madrid
- Nurse in Provincial Sanitary Union, Ceuta
- Nurse at Medical Center and Home Care, Ceuta
- Master's Degree in Nursing in Emergencies and Disasters by the University CEU Cardenal Herrera
- Master's Degree in Nursing Direction and Management, CEU Cardenal Herrera University

- Master's Degree in Nursing in the Internal Medicine Department by the University CEU Cardenal Herrera
- University expert in Infectious Diseases Applied to Nursing by the CEU Cardenal Herrera University
- University expert in Medical Emergencies for Nursing by the CEU Cardenal Herrera University
- University expert in Severe Trauma Care for Nursing by the CEU Cardenal Herrera University
- University expert in Advanced Life Support by the CEU Cardenal Herrera University
- University expert in Nursing Processes and Interventions in the field of General Care by the CEU Cardenal Herrera University
- University expert in Disaster Management for Nursing, CEU Cardenal Herrera University
- Diploma in Nursing from the University School of Nursing Red Cross, Ceuta

### tech 20 | Course Management

### Ms. Romero Sousa, Gema María

- Nurse at the University Hospital of Ceuta
- Nurse in Primary Care
- Nurse in Spanish Red Cross
- Nurse at Cruz Blanca
- Nurse at Gerón Residence
- Nurse in Nazareth Residence
- Professional Master's Degree in Accident, Emergency and Disaster Nursing
- Professional Master's Degree in Nursing in Internal Medicine
- University Expert in Severe Trauma Care for Nursing
- University Expert in Emergency Medical Care for Nursing
- University Expert in Disaster Management for Nursing
- University Expert in Applied Infectious Diseases in Nursing
- University Expert in Advanced Life Support for Nursing
- Graduate in Nursing from the University of Malaga





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



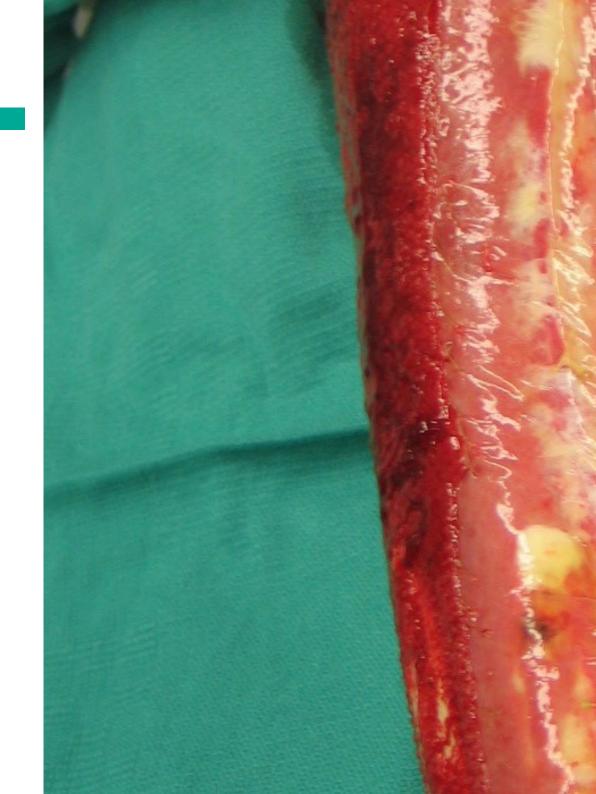


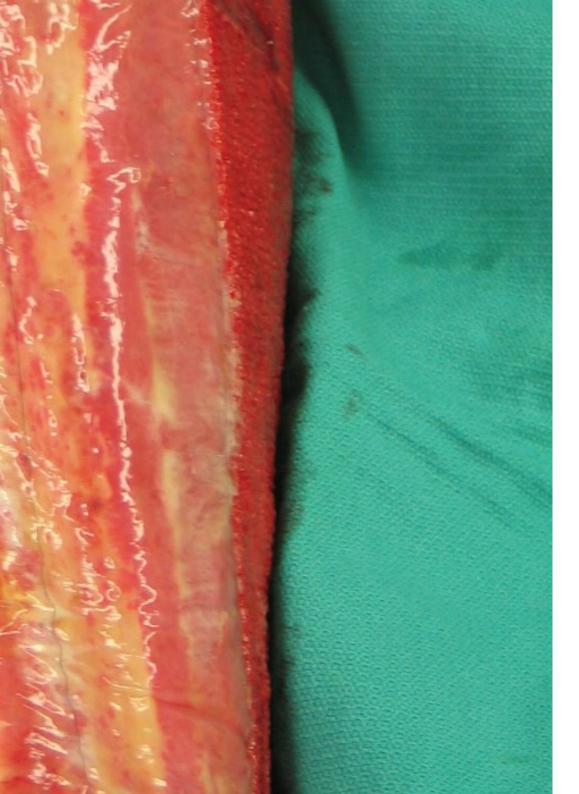


### tech 24 | Structure and Content

### Module 1. Diabetic Foot Management for Nursing

- 1.1. Etiology of the Diabetic Foot
  - 1.1.1. Risk Factors and Underlying Causes
  - 1.1.2. Pathophysiological Mechanisms Involved
  - 1.1.3. Classification According to Neuropathic and Vascular Complications
- 1.2. Diabetic Foot Assessment
  - 1.2.1. Risk Assessment Methods
  - 1.2.2. Detailed Physical Examination
  - 1.2.3. Use of Complementary Tests
- 1.3. Prevention of Diabetic Foot
  - 1.3.1. Education on Daily Foot Care
  - 1.3.2. Control of Risk Factors
  - 1.3.3. Secondary Prevention Programs
- 1.4. Treatment of the Diabetic Foot
  - 1.4.1. Conservative and Surgical Approaches
  - 1.4.2. Use of Advanced Dressings and Innovative Therapies
  - 1.4.3. Multidisciplinary Approach
- 1.5. Diabetic Foot Care
  - 1.5.1. Ulcer and Lesion Management
  - 1.5.2. Proper Nail and Skin Care
  - 1.5.3. Prevention of Complications
- 1.6. Pain Management in the Diabetic Foot
  - 1.6.1. Pharmacologic and Non-Pharmacologic Strategies
    - 1.6.2. Treatments Targeting Specific Neuropathies
    - 1.6.3. Pain Self-Management Education
- 1.7. Nutrition and Diabetic Foot
  - 1.7.1. Assessment of Nutritional Status
  - 1.7.2. Importance of a Balanced Diet
  - 1.7.3. Specialized Dietary Supervision





### Structure and Content | 25 tech

- 1.8. Diabetic Foot Care in Geriatric Patients
  - 1.8.1. Frailty-Specific Considerations
  - 1.8.2. Adaptation in Care
  - 1.8.3. Personalized Rehabilitation Programs
- 1.9. Patient Education on Diabetic Foot Care
  - 1.9.1. Practical Instructions for Self-Care
  - 1.9.2. Recognition of Warning Signs
  - 1.9.3. Importance of Adherence to Treatment
- 1.10. Advances in the Treatment of the Diabetic Foot
  - 1.10.1. New Technologies in Wound Healing
  - 1.10.2. Research on Regenerative Therapies
  - 1.10.3. Development of Advanced Prostheses and Devices



The competencies you will acquire after completing this program will guide you towards the formulation of successful Diabetic Foot diagnoses. Enroll now!"



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.

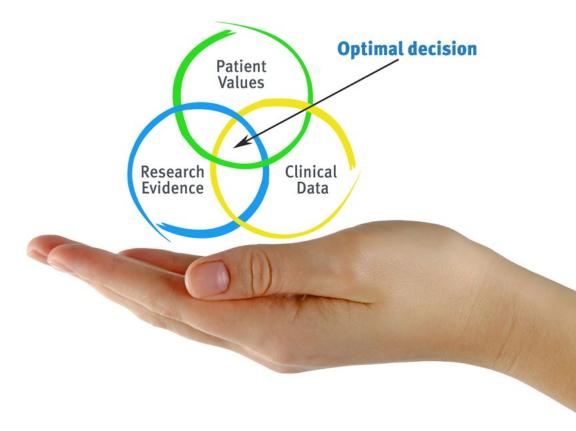


### tech 28 | Methodology

### At TECH Nursing School we use the Case Method

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

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



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



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

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

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





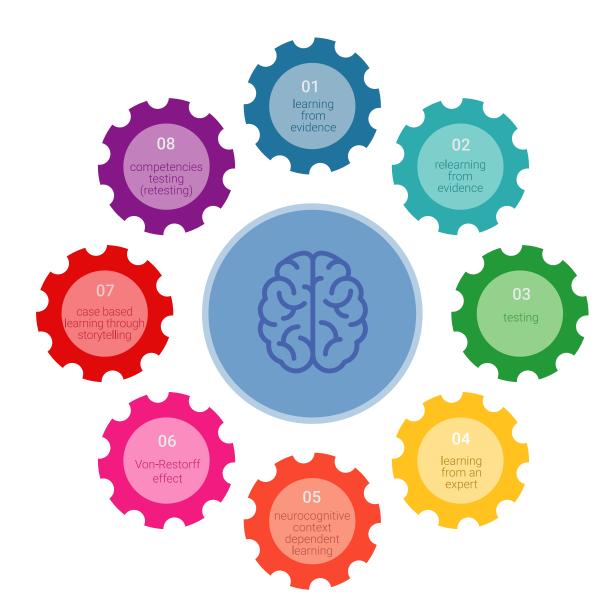
### **Relearning Methodology**

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

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

The nurse will learn through real cases and by solving complex situations in simulated learning environments.

These simulations are developed using state-of-the-art software to facilitate immersive learning.



### Methodology | 31 tech

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

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

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

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

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

### tech 32 | Methodology

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

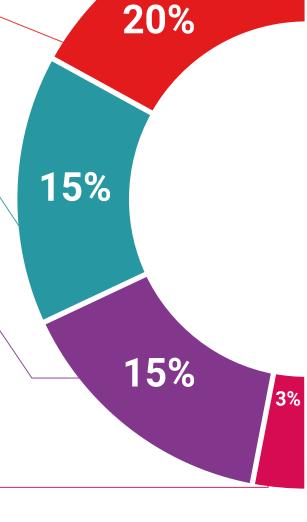
We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch them as many times as you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



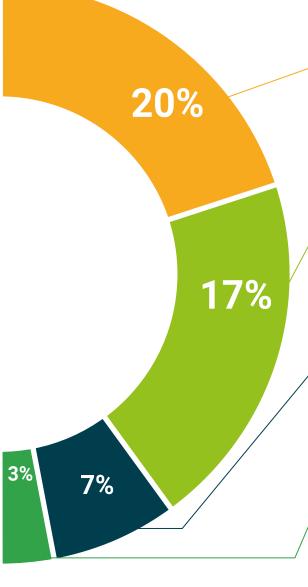
There is scientific evidence suggesting that observing third-party experts can be useful.

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.







### tech 36 | Certificate

This private qualification will allow you to obtain a **Postgraduate Certificate in Diabetic Foot Management 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 Diabetic Foot Management for Nursing

Modality: Online

Duration: 6 weeks

Accreditation: 6 ECTS



## has successfully passed and obtained the title of: Postgraduate Certificate in Diabetic Foot Management for Nursing

This is a private qualification of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024



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



# Postgraduate Certificate Diabetic Foot Management for Nursing

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

