

# Postgraduate Certificate Vascular Surgery for Nursing





## Postgraduate Certificate Vascular Surgery for Nursing

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

Website: [www.techtitute.com/us/nursing/posgraduate-certificate/vascular-surgery-nursing](http://www.techtitute.com/us/nursing/posgraduate-certificate/vascular-surgery-nursing)

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# 01

# Introduction

Nowadays, continuous training is required to achieve professional development and to be fully qualified to face the daily challenges of a constantly changing field such as healthcare. The surgical area is an environment whose characteristics differentiate it from the rest of the services where the majority of nursing professionals habitually develop competencies in their care, management, teaching and research functions. The evolution of techniques and technological advances make it essential for nursing professionals to update their knowledge in order to provide excellent surgical care.





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*This Postgraduate Certificate in Vascular Surgery for Nursing contains the most complete and up-to-date scientific program on the market”*

Each of the wide variety of surgical interventions that are performed requires a specific procedure, a specific technique and the exclusive surgical material for that intervention. There are a series of steps and rules common to all of them that team members must know in detail, as well as how the entire surgical block functions so as to prevent and avoid the most common risks in professional practice. Being institutions aware of this, they demand academic profiles with a training that adapts to the requirements of their job and that are qualified and endorsed for the performance of the same.

This knowledge will facilitate the provision of quality care throughout the surgical process to ensure the safety of the patient and the professional himself at all times.

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

- ♦ Development of clinical cases presented by experts in the different areas of multidisciplinary knowledge. 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
- ♦ Vascular Surgery for Nursing News
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ With special emphasis on evidence-based For Nursing and surgical nursing research methodologies
- ♦ All of this will be complemented by 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



*Increase your skills in the approach to Vascular Surgery for Nursing through this program"*

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*This Postgraduate Certificate is the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge in Vascular Surgery for Nursing, you will obtain a qualification endorsed of Certificate by TECH Technological University”*

Its teaching staff includes health professionals belonging to the field of Dental nursing, who bring to this Training their work experience, as well as recognized specialists belonging to leading scientific societies.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to prepare in real situations.

The design of this program is based on Problem-Based Learning, through which the nursing professional must try to solve the different professional practice situations that arise throughout the program. This will be done with the help of an innovative interactive video system developed by renowned experts in the field of nephrology with extensive teaching experience.

*Increase your decision-making confidence by updating your knowledge with this Postgraduate Certificate in Vascular Surgery for Nursing.*

*Don't miss the opportunity to update your knowledge in Vascular Surgery for Nursing to improve patient care.*



# 02 Objectives

The main objective of the program is the development of theoretical and practical learning, so that the nurse can master in a practical and rigorous way the study of Vascular Surgery for Nursing.







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*This up to date program will provide you with the skills to act with confidence in the performance of nursing practice, which will help you grow both personally and professionally”*



## General Objectives

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- ♦ To update the knowledge of advanced practice nurses in perioperative care in the different medical-surgical specialties, through evidence-based nursing
- ♦ Promote work strategies based on perioperative patient care as a reference model in the achievement of healthcare excellence
- ♦ Encourage the acquisition of technical skills and abilities, through a powerful audiovisual system, and the possibility of development through online simulation workshops and/or specific education
- ♦ Encouraging professional development through research and dynamic and up-to-date continuous Training



*Make the most of this opportunity and take the step to get up to date on the latest developments in Vascular Surgery for Nursing”*





## Specific Objectives

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- ◆ Describe the handling of the different mechanical suture systems for anastomosis
- ◆ Distinguish the material and instruments to organise the preparation of laparoscopic or open surgery
- ◆ React in situations of change of surgical plan (laparoscopic to open surgery) if there are potential complications
- ◆ Explain the operation of the different types of vessel sealing and cutting forceps required for different surgeries, whether open or laparoscopic
- ◆ Explain the placement and handling of equipment and instruments (gas insufflator, camera, cold light source, screens, etc.) in laparoscopic surgeries
- ◆ Identify the different types of meshes for hernia repair
- ◆ Addressing the management of the THD system for haemorrhoids
- ◆ Describe the use of radiofrequency techniques to remove small tumours
- ◆ Describe the handling of the radioactivity indicating probe in sentinel lymph node biopsy surgeries
- ◆ In emergency situations, prepare the material and instruments for hemostasis (different hemostatics, clamps, etc.) taking into account the possibility of encountering different types of bleeding
- ◆ Identify the risk of deep vein thrombosis in long-term surgeries and be able to apply pneumatic compression stockings to the patient

03

# Course Management

This program includes in its teaching staff health professionals of recognized prestige, who belong to the field of surgical nursing and who pour into this Training the experience of their work.

In addition, renowned specialists, members of prestigious national and international scientific communities, are involved in designing and preparing the program.





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*Learn from leading professionals the latest advances in Vascular Surgery for Nursing”*

## Management



### Ms. Guzmán Almagro, María Isabel

- ♦ Professional Nurse Specialist in Comprehensive Nursing Care in Critical and Emergency Situations in Adults
- ♦ Surgical Block Nurse at the La Paz University Hospital. Madrid, Spain
- ♦ Master in Social Gerontology: Longevity, health and quality. University of Jaén
- ♦ University Specialist in Emergency Medicine Complutense University of Madrid
- ♦ Postgraduate Diploma in Digital Teaching for Nursing. Cardenal Herrera University. CEU
- ♦ Diploma in Nursing. University of Jaén
- ♦ Coordinator of several nursing programs in Spain
- ♦ Invited to the XII National Congress of Surgical Nursing, Hospital La Paz. Madrid, Spain



### Ms. Bárzano Saiz, María Estela

- ♦ Operating Room Nurse at La Paz Hospital, Madrid
- ♦ Staff Nurse in Medical-Surgical Specialties and Palliative Care, Gregorio Marañón University Hospital, Madrid
- ♦ Intensive Care Unit, Gregorio Marañón University Hospital, Madrid
- ♦ Nurse of consultation and clinical analysis, Gran Vía Medical Center, Madrid
- ♦ Physiotherapist, FREMAP. General Ricardos Health Care Center. Madrid
- ♦ Physiotherapist, personalized physiotherapy treatments in consultation and collective cases. MIRASIERRA BALBRIUM SPA WELLNESS. Madrid
- ♦ Postgraduate Diploma in Nursing, Pontificia University of Salamanca
- ♦ Primary Care Nurse at Salamanca Health Center)
- ♦ Academic Director, San Pablo CEU University of Alicante



### Ms. Alba López, Alicia

- ◆ Nurse Attending Hospital Universitario La Paz
- ◆ Postgraduate Certificate in Nursing
- ◆ Operating room nurse in the medical sections of La Paz University Hospital: Orthopedic Surgery, Traumatologic Surgery, Plastic Surgery, General Surgery

## Professors

### Ms. Carrero Villareal, Mercedes

- ◆ Nurse specialist in the surgical area and postoperative care
- ◆ Operating room nurse in the areas of general surgery and traumatology, Hospital Universitario de Ciudad Real
- ◆ Traumatology nursing service, Perpetuo Socorro Hospital, Albacete
- ◆ Nurse in the areas of traumatology, emergency gynecology, general surgery, urology and otorhinolaryngology, Infanta Sofia Hospital, San Sebastian de los Reyes
- ◆ Nurse in surgical areas of plastic surgery and cardiothoracic surgery, La Paz University Hospital
- ◆ Instrumentalist in traumatology at Nuestra Señora del Rosario Hospital
- ◆ Speaker at the 43rd AEEC Congress. Clinical Cases I

### Ms. Palomares García, Vanessa

- ◆ Nurse expert in Hospital Emergencies
- ◆ Emergency Care Nurse in the Aragonese Health Service
- ◆ Nurse in Surgical Plants for the Aragonese Health Service
- ◆ Nurse in Oncologic Plants for the Aragonese Health Service
- ◆ Internal Medicine Nurse for the Aragonese Health Service in the Internal Medicine Department
- ◆ Nurse in private center of Sanitas
- ◆ Auxiliary Nurse in Neuropsychiatric Hospital del Carmen
- ◆ Master's Degree in Natural Disasters and Health Emergencies, Camilo José Cela University
- ◆ Degree in Nursing from San Jorge University

**Ms. García Enciso, Carmen**

- ♦ Nurse in the Traumatology Unit, La Paz Hospital. Madrid, Spain
- ♦ Nurse in rehabilitation and trauma resuscitation units
- ♦ Postgraduate Diploma in Nursing from the Alfonso X el sabio University
- ♦ Expert in advanced nursing care

**Ms. Malpartida Méndez, Alba**

- ♦ Nurse expert in Pediatric Surgery
- ♦ Surgical Nurse at Quirón Salud
- ♦ Nurse at the 12 Octubre Hospital
- ♦ Graduate in Nursing

**Ms. López Quesada, Teresa**

- ♦ Assistant Director of Nursing at La Paz University Hospital
- ♦ Unit Supervisor. Surgical Hospitalization. Traumatology La Paz University Hospital
- ♦ Nurse in Surgical Block, Neurosurgery and Cardiothoracic Surgery. La Paz University Hospital
- ♦ Nurse in critical care, operating room and hemodynamics Gregorio Marañón University Hospital Gregorio Marañón University Hospital
- ♦ Head of the Resuscitation Unit, URPA, CMA. Infanta Sofía University Hospital
- ♦ Nurse in the Intensive Care Unit. Nuestra Señora del Rosario Hospital
- ♦ Master in Nursing Services Management. National University for Distance Learning. U.N.E.D

**Ms. Vitini Manso, Rosales**

- ♦ Operating theatre nurse in gynaecology and obstetrics at University Hospital La Paz since 2004

**Ms. Valero Calvo, Jara**

- ♦ Operating Room Nurse, Ophthalmology Specialties, University Hospital La Paz, Madrid
- ♦ University Expert Degree in Advanced Applied Nursing Care from the University of León
- ♦ Nurse research collaborator for the Fundación Biomédica del Hospital Universitario Gregorio Marañón in the project: "Effectiveness of an early intervention in the diagnosis and treatment of hyponatremia for the prevention of falls in hospitalized patients."
- ♦ Publication of the Research Project: "The experience of the school child after burns" published by the INVESTEN Committee at the International Meeting on Research in Care

**Ms. Valero Villar, Ana María**

- ♦ Operating Room Nurse since 2008 in the specialties of Traumatology and Plastic Surgery
- ♦ Advanced Operating Room Nurse Specialist
- ♦ Nurse in Traumatology and Plastic Surgery at Gregorio Marañón University Hospital in Madrid
- ♦ Nurse in Traumatology and Orthopedics at La Paz in Madrid University Hospital
- ♦ Postgraduate Diploma in Nursing in the surgical area, Anesthesia and Resuscitation. School of Health Sciences
- ♦ Postgraduate Diploma in Health Promotion in the Community. UNED

**Ms. Gonzalez San José, Raquel**

- ♦ Advanced Operating Room Nurse Specialist
- ♦ Attending Nurse at from La Paz Hospital
- ♦ Surgical Area Nurse in General Surgery. La Paz University Hospital



**Ms. Berrocal Antelo, Amaya**

- ♦ Operating Surgical Nurse in the operating room of several specialties, Hospital Doce de Octubre
- ♦ Instrumentalist, Neurosurgery team, Hospital la Zarzuela
- ♦ Surgical area nurse in the operating theatre of various specialties and CMA, Hospital la Zarzuela
- ♦ Diploma in Nursing at the EUE and Physiotherapy San Juan de Dios, in the teaching unit of San Rafael, Comillas
- ♦ Higher Level Training Cycle. Higher Technician in Dietetics and Nutrition

**Ms. Jiménez Ramos, Irene**

- ♦ Surgical nurse in gynecological and obstetric surgery, and in general surgery operating theatres at the University Hospital Universitario La Paz
- ♦ Operating room pool for all surgical specialties in Hospital Universitario Ramón y Cajal
- ♦ External collaboration as author and coordinator of opposition abstracts for the Paradigma Group
- ♦ Author of several scientific articles: Nursing care processes for a preterm newborn in the neonatal intermediate care unit. Electronic Journal of Medical Portals

**Ms. Abellán Cuadrado, Mryam**

- ♦ Operating Room Nurse in La Paz University Hospital, Madrid, España
- ♦ Nurse accredited by the General Direction of Research, Teaching and Documentation. Ministry of Health. Community of Madrid
- ♦ Diploma in Nursing from the Autonomous University of Madrid
- ♦ Co-author of the book: Advanced Operating Room Nursing by Editorial TECH Education, Rights & Technologies, S.L

**Ms. Valverde Girón, Laura**

- ♦ Specialties of Orthopedic and Traumatologic Surgery, General Surgery, Plastic Surgery and Gynecologic Surgery
- ♦ Surgical Nurse Specialist in Orthopedic and Traumatologic Surgery
- ♦ Surgical Nurse in Orthopedic and Traumatologic Surgery, General Surgery, Plastic Surgery and Gynecological Surgery. La Paz University Hospital
- ♦ Nursing Service in the specialties of: Orthopedic and Traumatologic Surgery, General Surgery, Plastic Surgery and Gynecological Surgery. Cantoblanco Hospital
- ♦ Operating Room Nurse at the Santa Cristina University Hospital in Madrid

**Ms. Teresa Lora, Ana Isabel**

- ♦ Specialist Nurse in the Operating Room, School of Health Sciences
- ♦ Nurse at the service of operating rooms and various medical specialties at the Infanta Sofia Hospital
- ♦ Operating Room Nurse in Urology, Infanta Sofia Hospital, Madrid
- ♦ Operating room internship tutor, Complutense and European Universities

**Ms. Rubio Martín, María Eugenia**

- ♦ Nurse in the urology service at Infanta Sofia Hospital, Madrid. Spain BORRAR
- ♦ Operating Room Nurse at Infanta Sofía Hospital, Madrid. Spain BORRAR
- ♦ Tutor of students in EU internships, UCM
- ♦ Postgraduate Diplomea in Operating Room

**Ms. Colomar Marroig, Aina**

- ♦ Operating theatre nurse in gynaecology and obstetrics at University Hospital La Paz since 2004

04

# Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of training in daily nursing practice, aware of the relevance of the current relevance of training to be able to act before the surgical patient and committed to quality teaching through new educational technologies.



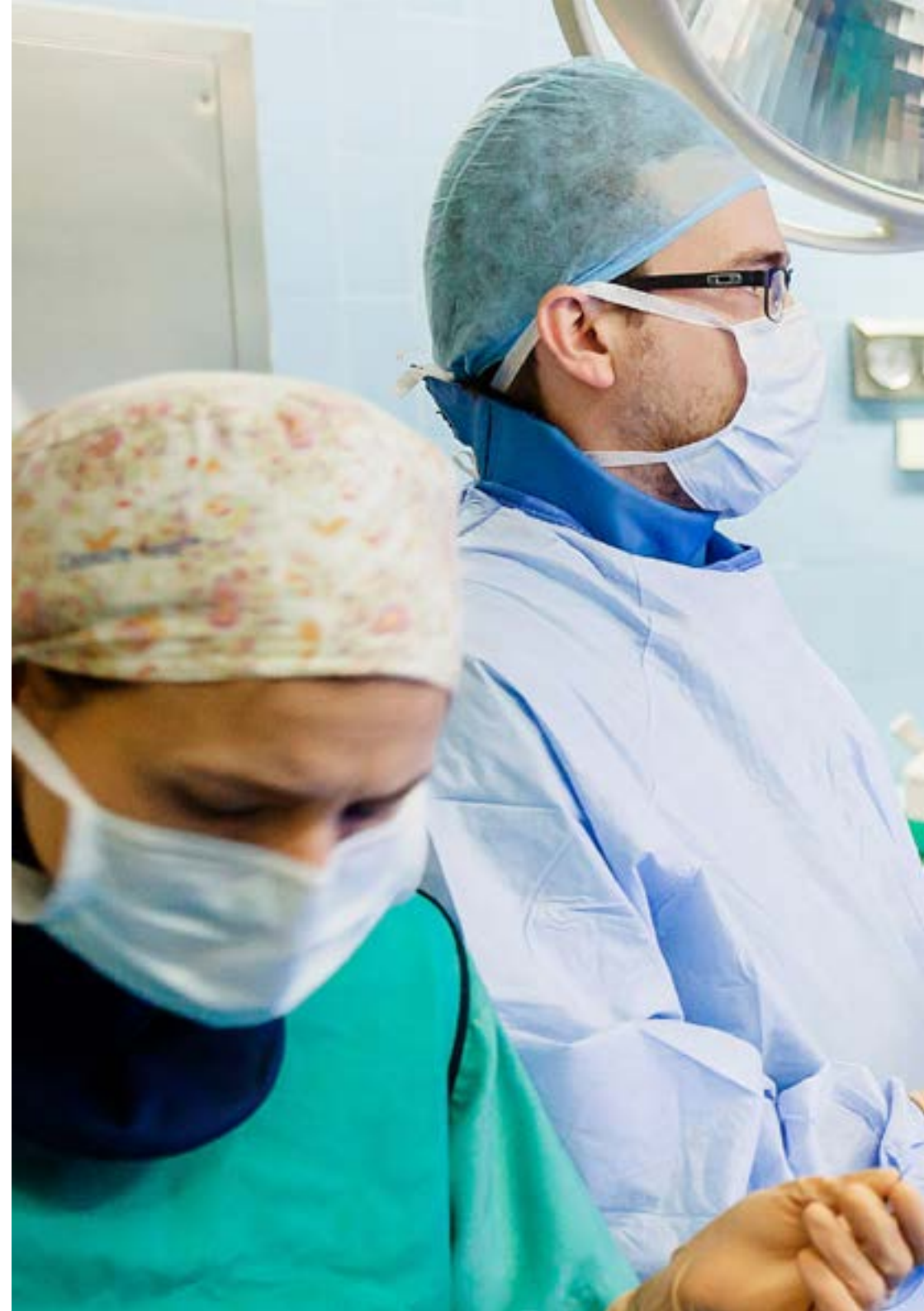


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## Module 1. Vascular Surgery

- 1.1. Carotid Endarterectomy
- 1.2. Bypass (with prosthesis, with vein or *in situ*)
- 1.3. Thrombectomy/Embolectomy for Upper or Lower Limb Ischaemia
- 1.4. Arterio-Venous Fistula
- 1.5. Varicose Veins Insufficiency
- 1.6. Amputations and Repair of Vascular Anomalies
- 1.7. Arterial Angioplasties (with or without vascular stenting)
- 1.8. Vascular Endoprosthesis (thoracic aorta/abdominal aorta)





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*A unique, key, and decisive educational experience to boost your professional development”*

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 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 Vascular Surgery 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.



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

This **Postgraduate Certificate in Vascular Surgery 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 diploma 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 Vascular Surgery for Nursing**

Official No. of Hours: **50 h.**



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



future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service international  
knowledge present quality  
development languages  
virtual classroom



## Postgraduate Certificate Vascular Surgery for Nursing

- » Modality: Online
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- » Dedicated 8h/week
- » Schedule: at your own pace
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# Postgraduate Certificate Vascular Surgery for Nursing

