

Postgraduate Diploma

Biosafety in Surgical Nursing

Management and Scientific

Endorsement:





Postgraduate Diploma Biosafety in Surgical Nursing

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

Website: www.techtitute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-biosafety-surgical-nursing

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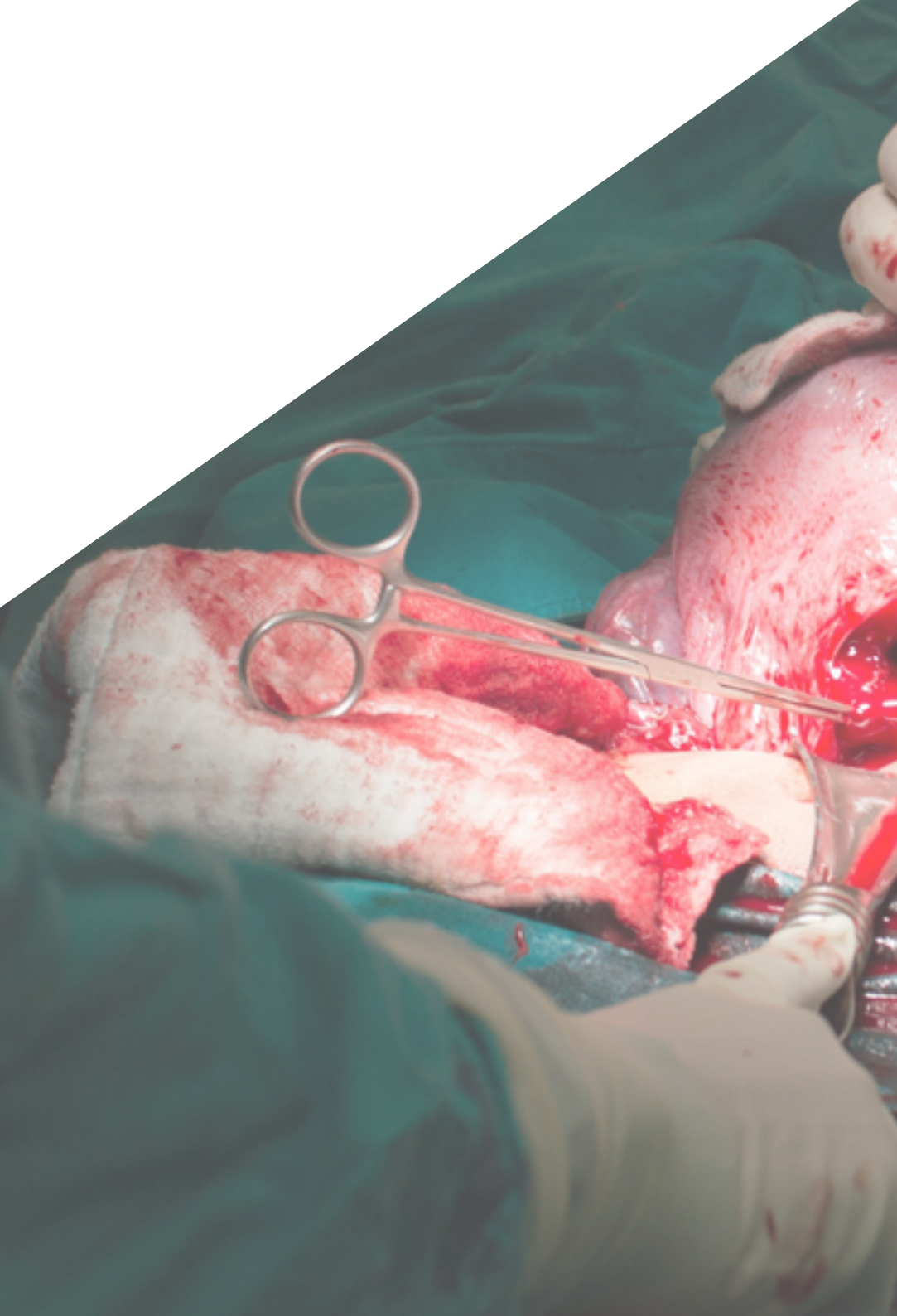
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01

Introduction

The field of surgery has specific characteristics different from the rest of the departments where nursing activities are carried out. The bloody procedures and the material used in them make it necessary for nursing professionals to maintain a high level of prevention and biosafety, in order to reduce the risk of accidents, whether due to physical or biological agents, which will also their confidence in their practice.





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Success and professional recognition in the operating room is not only achieved with personal qualities; it is, above all, a work of perseverance, method and organization. This Postgraduate Diploma will help you update your knowledge and increase your level of competence with confidence in the surgical environment.”

The danger to healthcare professionals in the surgical environment is obvious and constant. The material, equipment, contact with foreign biological agents and good practice in nursing procedures are factors that condition biosafety for professionals.

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. One thing they all have in common is a series of steps and rules that all team members should know in detail. They must also know the general functioning of the surgical department in order to prevent and avoid common risks while carrying out professional work.

This Postgraduate Diploma is designed to update professionals who are developing or want to develop their functions in the surgical area, in order to increase their competence in safety procedures for themselves and the rest of the surgical team, thus collaborating in the success of the intervention.

This **Postgraduate Diploma in Biosafety in Surgical Nursing** is the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ♦ Clinical cases presented by nursing professionals who are experts in patient care in surgery and other specialities. The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice.
- ♦ The latest diagnostic-therapeutic techniques in professional nursing practice with surgical patients.
- ♦ Algorithm-based interactive learning system for decision-making in the presented clinical situations.
- ♦ All 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.



The Postgraduate Diploma in Biosafety in Surgical Nursing will allow you to update your knowledge, improve prognosis and reduce sequelae and complications in patients."

“*This Postgraduate Diploma may be the best investment you can make when choosing a refresher program for two reasons: in addition to updating your knowledge of Biosafety in Surgical Nursing, you will obtain a qualification from TECH - Technological University.*”

Its teaching staff includes leading nursing professionals, who contribute their work experience to this up to date program, in addition to other professionals specializing in the surgical area.

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

The design of the program is based on Problem-Based Learning, by means of which the nursing professional must try to solve the different professional practice situations that arise throughout the program. For this reason, you will be assisted by an innovative interactive video system created by renowned and experienced experts in the field of surgical nursing with extensive teaching experience.

This Postgraduate Diploma provides training in simulated environments, which allows for an immersive learning experience designed to train for real-life situations.

It includes clinical cases to bring the program as close as possible to the reality of surgical nursing.



02 Objectives

The program for this Postgraduate Diploma is oriented toward a review of surgical anesthesia procedures, based on the experience of renowned professionals, in order to provide quality care based on the latest scientific evidence and guarantee patient safety.





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This refresher program will generate a sense of security when practising nursing, which will help you grow both personally and professionally.”



General Objective

- ♦ Update professionals on nursing procedures in surgical anesthesiology, in order to increase quality and safety in surgical nursing and to decrease the risks in the subsequent rehabilitation stages of patients.



Specific Objectives

- ♦ Apply the scientific method as a way of developing diverse surgical procedures and routines while updating all your knowledge and practical skills in response to the new care trends within the surgical field.
- ♦ Implement different strategies to meet the requirements of new healthcare demands.
- ♦ Analyze the ethical aspects involved both in patient care and in research procedures related to surgical activity in the different stages of care.
- ♦ Assess the success of teamwork with the aim of achieving set goals.
- ♦ Correctly plan surgical techniques to achieve end results quickly and efficiently.
- ♦ Identify the key elements to reduce surgical times as much as possible, applying the above points for the benefit of patients, the team and the hospital.





- ♦ Prevent mistakes and accidents which could jeopardize the general objective of nursing professionals: protect the patient undergoing surgery.
- ♦ Establish a treatment with the patient and their family that goes beyond the simple application of nursing techniques, and consider all aspects of the patient's condition as whole.
- ♦ Gain up to date knowledge on drug management procedures and patient control during anesthesia.
- ♦ Recognize and classify the general and specific surgical material and instruments in each specialty based on their functionality.
- ♦ Analyze the inherent risks of surgery (biological, electric, etc.).
- ♦ Design and plan nursing care for pre-, intra- and post-operative periods. Gain up to date knowledge of action protocols for surgery.
- ♦ Analyze surgical procedures and identify the key aspects to achieve adequate control over the quality and management of resources.

03

Course Management

These materials have been created by a team of professionals who are experts in nursing patient care, working in the main hospital centers and in the most important internal medicine services in the country, bringing to the program the experience they have gained throughout their careers.





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Learn about the latest advances in Surgical Biosafety from leading professionals.”

Guest Director



Ms. Diaz Torrijos, María José

- Nursing supervisor in the General Surgery Department at 12 Octubre Hospital 2019-present.
- Pediatric Services at Fuenlabrada University Hospital (Madrid) 2004-2011.
- Operating Room Services, 3rd General Residency at Fuenlabrada University Hospital (Madrid) 2016-2019.
- Degree in Nursing from Puerto de Hierro University School of Nursing, Autonomous University of Madrid.
- Specialist Nursing Qualification in Pediatric Nursing from the Ministry of Culture, Education and Sports.
- Master's Degree in Nursing Management from European University of Madrid.
- Postgraduate Certificate in Management and Quality of Care from the Nursing Leadership, FUDE.

Professors

Ms. Esteban Saori, Patricia

- ♦ Preparation course for the degree in Nursing, Complutense University of Madrid 2015 - 2016.
- ♦ Diploma in Nursing. Autonomous University of Madrid (Jiménez Díaz Foundation) 1998-2001
- ♦ Surgical Nurse in the Lung Transplant Team at 12 de Octubre University Hospital 2005 - present.
- ♦ Surgical Nurse in the Lung Transplant Team at the 12 de Octubre University Hospital 2005.

Mr. García Del Campo, Gabriel

- ♦ Operating Room Service in the Abdominal Organ Transplant Unit at the 12 de Octubre University Hospital Madrid. 2015- present.
- ♦ University Diploma in Nursing San Pablo University CEU, Madrid 1997-2000.
- ♦ Official Specialist Nurse Qualification in Pediatric Nursing. Ministry of Education of Spain. 2016.
- ♦ Virgen del Mar Hospital, Madrid. Operating Room Services and Intensive Care 2001-2003.

Mr. García Ortega, Eduardo

- ♦ Nurse in Surgical Department at 12 Octubre University Hospital, Madrid. (2006- present.)
- ♦ Surgical Nurse at the Moncloa de Madrid Hospital (October 2009- April 2021).
- ♦ Surgical Nurse at Nuevo Parque de Madrid Clinic (December 2005- March 2009)
- ♦ Diploma in Nursing. Complutense University of Madrid. 2005.
- ♦ Postgraduate Degree in Surgery and Anesthesia. Rey Juan Carlos University. Madrid 2006

Ms. Ranz González, Raquel

- ♦ Surgical Nurse in various specialities at Gregorio Marañón Hospital and 12 de Octubre Hospital.
- ♦ Diploma and degree in Nursing from the Complutense University of Madrid
- ♦ Participation in the subcommissions of “Surgical Protocols” and “Accounting protocol revision” at 12 de Octubre University Hospital.
- ♦ Co-author of the scientific report: “A Literary Challenge” in the 6th National Congress of Surgical Nursing in Barcelona.
- ♦ Co-author of the scientific paper: Poster “Why does it hurt? Measures to preserve patient safety in the operating room” in the 3rd. National Congress of Surgical Nursing in Cordoba.

Ms. Sanz Hernández, Natalia

- ♦ Preparation Course for the Degree in Nursing. University of Leon
- ♦ Diploma in Nursing. University of Valladolid Soria Campus.
- ♦ Surgical Nurse in Maxilofacial, Trauma and Orthopedics at 12 de Octubre University Hospital 2011 - present.
- ♦ Surgical Nurse Thorax and Cardiovascular Surgery, Otorhinolaryngology, Neurosurgery at 12 de Octubre University Hospital 2007 - 2011.

04

Structure and Content

The curriculum structure has been designed by a team of professionals who understand the implications of nursing training in surgical biosafety procedures, aware of the current relevance for specialization, and committed to quality teaching through new educational technologies.



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This Postgraduate Diploma in Biosafety in Surgical Nursing is the most complete and up-to-date scientific program on the market.”

Module 1. Surgical Nurses. Communication and Legal Environment

- 1.1. Introduction for Students Learning Objectives
- 1.2. Historical Evolution of Surgical Nursing and "Modern" Surgery
- 1.3. Professional Nursing Characteristics of a Profession Correlation between Theory and Practice
- 1.4. Surgical Nursing Personal Qualities and Behaviors for Surgical Nurses
- 1.5. Situations that May Weaken Surgical Nurses Awareness in the Surgical Field
- 1.6. Stress Control in the Operating Room
- 1.7. Comparison between Different Models of Surgical Nursing in the Different Health Systems in Spain and Europe
- 1.8. Current Situation of Surgical Nursing and Predicted Developments
- 1.9. Information on Medical Personnel Considerations

Module 2. Concept of Asepsis and Infection Control

- 2.1. Brief Historical Introduction
- 2.2. Various Definitions
- 2.3. Infection and How to Control It
- 2.4. Sterile Technique Necessity
- 2.5. Sterile Technique Principles and Application Examples

Module 3. Sterilization and Disinfection Definitions

- 3.1. Central Services of Sterilization
- 3.2. Methods of Sterilization
- 3.3. Sterilization Controls
- 3.4. Preparation of Materials to Be Sterilized
- 3.5. Maintenance of Sterile Material Stocks
- 3.6. Biological Risks not Associated with the Sterilization Process



Module 4. Organization and Relations of Nursing Work in the Surgical Department

- 4.1. Needs in the Operating Room
- 4.2. Economic Use of Materials and Equipment
- 4.3. Role of the Surgical Nurse Different Roles during the Different Phases of Surgical Intervention (Preoperative, Intraoperative and Post Operative Procedures)
- 4.4. Other Members of the Operating Room Team The Importance of Teamwork
- 4.5. Circulation in the Surgical Area and the Operating Room Itself
- 4.6. Surgical Scrubbing and Donning of Sterile Gowns and Gloves
- 4.7. Preparing Instrument Tables
- 4.8. Surgical Tables: Patient Positioning according to the Surgical Technique Used
- 4.9. Preparing the Surgical Field
- 4.10. Activities During the Operation
- 4.11. Activities During the Closure of a Patient
- 4.12. Economics in "Time and Motion"
- 4.13. Concluding the Intervention: Removal of the Surgical Site, Collection and Cleaning of the Operating Room
- 4.14. Selective Collection of Waste and Residues
- 4.15. Collection, Conditioning and Shipment of Samples for Anatomopathological Study
- 4.16. Risks and Precautions for Intrasurgical Radiation Exposure
- 4.17. Latex Free Operating Room

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A unique, key, and decisive master's degree experience to boost your professional development.”



05

Methodology

This training provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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.





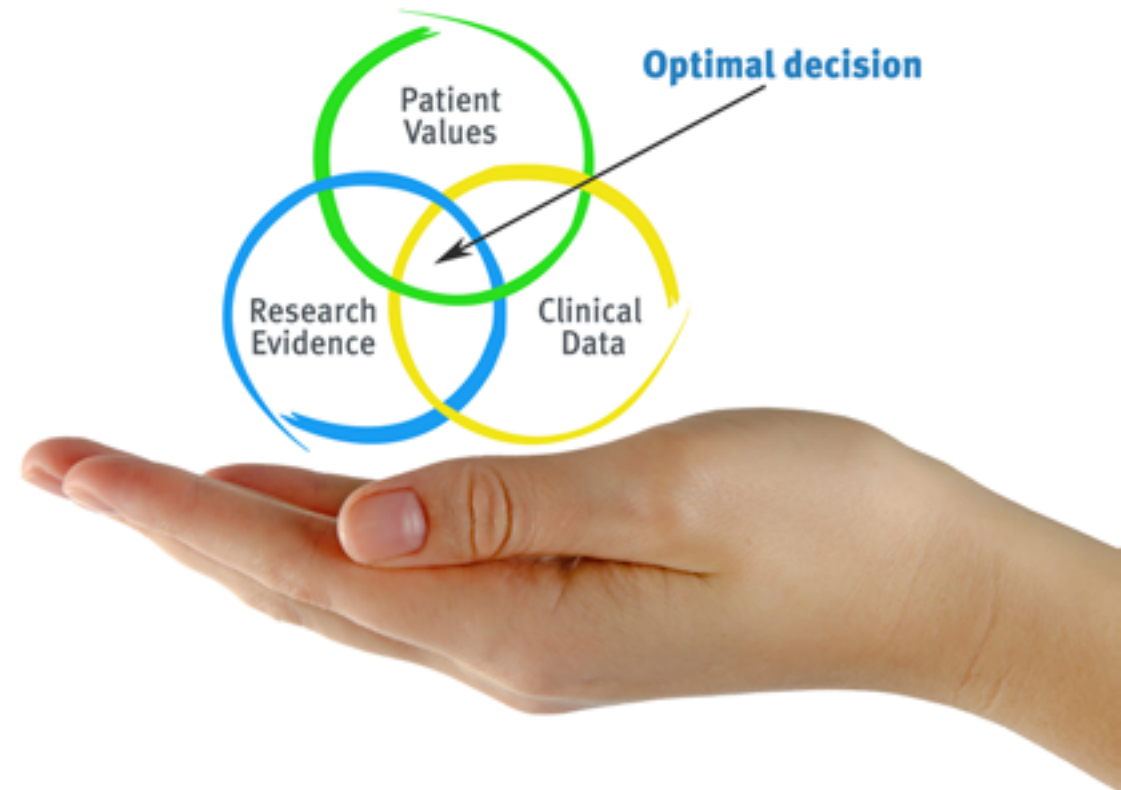
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Discover Re-learning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization.”

At TECH Nursing School we use the Case Method

In a given clinical situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, 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. Gervas, 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 university program.



Re-learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our University is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which represent a real revolution with respect to simply studying and analyzing 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 175,000 nurses with unprecedented success, in all specialties regardless of from the workload. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Re-learning 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 (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

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



In this program you will have access to the best educational material, prepared with you 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.

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



Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current nursing procedures and techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



Interactive Summaries

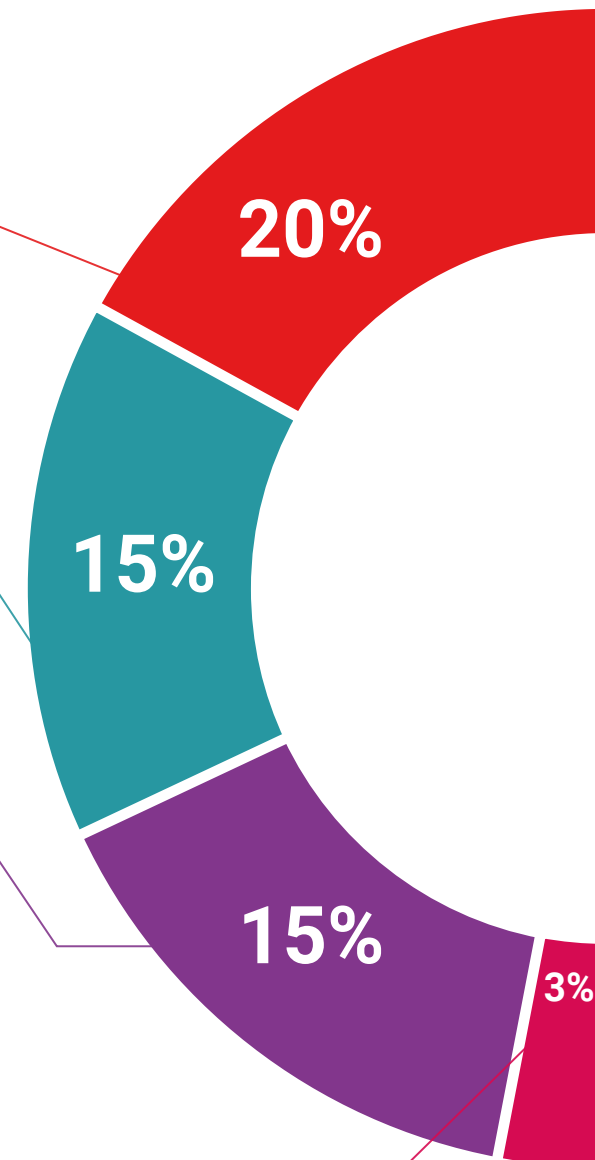
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

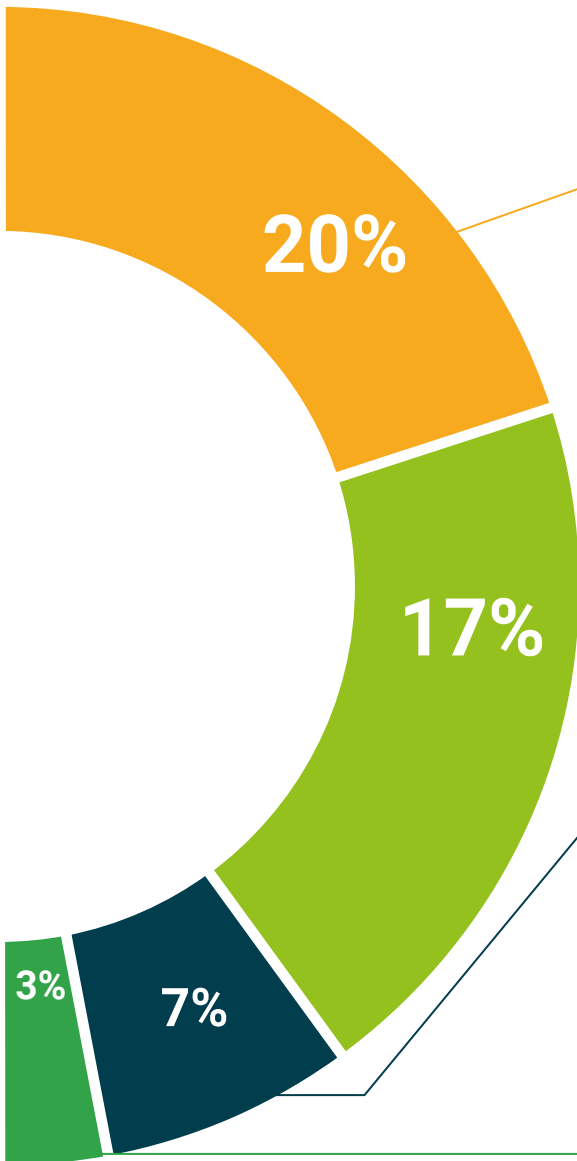
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



Additional Reading

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





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through 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 your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your 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 our difficult future decisions.



Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06 Certificate

The **Postgraduate Diploma in Biosafety in Surgical Nursing** guarantees, in addition to the most rigorous and updated specialization, access to a qualification issued by **TECH - Technological University**.



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Successfully complete this specialisation and receive your university degree without travel or laborious paperwork.”

This **Postgraduate Diploma in Biosafety in Surgical Nursing** is the most complete and up-to-date scientific program on the market.

After the student has passed the evaluations, they will receive their corresponding **certificate** issued by **TECH - Technological University via tracked delivery**.

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

Title: **Postgraduate Diploma in Biosafety in Surgical Nursing**

ECTS: **16**

Official Number of Hours: **400**



**ASOCIACIÓN
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*Apostille Convention. In the event that the student wishes to have their paper diploma Apostilled, TECH EDUCATION will make the necessary arrangements to obtain it at an additional cost of €140 plus shipping costs of the Apostilled diploma.

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health confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present
development online training
virtual classroom



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