

# Postgraduate Certificate Introduction to Oncology. Oncology Nursing





## Postgraduate Certificate Introduction to Oncology. Oncology Nursing

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

Website: [www.techtitute.com/us/nursing/postgraduate-certificate/introduction-oncology-oncology-nursing](http://www.techtitute.com/us/nursing/postgraduate-certificate/introduction-oncology-oncology-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

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*p. 28*

# 01

# Introduction

Nursing professionals are, without a doubt, a key player in the development of preventive activities. Their knowledge of vaccination and early detection programs is fundamental for both the patient and the health system as a whole, and one of the most demanded professional competencies in oncology care teams. The purpose of this program is to specialize the professional with a complete, global and practical learning process.





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*A complete program that will help you learn the main tools to provide health care to oncology patients”*

In oncology nursing, as the Spanish Oncology Nursing Society (SEEO) has been advocating for years, the acquisition of knowledge on genetics, cell biology or tumor markers is essential in the construction of a framework on which to base clinical practice. This is one of the aspects that this Postgraduate Certificate aims to address, including advanced histological and biological concepts that will allow the student to understand the mechanisms that cause cancer and the factors involved in its appearance.

After learning about the skills and reality of oncology nursing, the student will become familiar with etiopathogenic theories and the concept of carcinogenesis. They will also learn about the mechanisms of tumor progression, the nomenclature of tumors, as well as their staging, which are essential to guide nursing practice and to know the patients' situation.

In addition, the risk factors involved in the appearance of cancer and epidemiology will be dealt with extensively, with complete and up-to-date information, as will cancer prevention, as well as the strategies to be implemented at each of its levels. Finally, the assessment of the oncology patient will also be covered, which will allow the student to acquire a comprehensive perspective of the patient, enabling them to provide quality care based on scientific evidence.

The up-to-date contents of this Postgraduate Certificate and its integrative approach will provide a complete vision of all aspects related to Oncology Nursing. The contents will provide a journey through the diverse needs of cancer patients, whose particularities require personalized attention.

Both the design of the program and the didactic material used will facilitate the understanding of concepts, and the realization of practical cases will help to adapt what has been learned to clinical practice. In this way, this Postgraduate Certificate will provide immersive learning in order to prepare professionals for real situations in their daily professional practice.

This **Postgraduate Certificate in Introduction to Oncology. Oncology 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 Oncology Nursing
- 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
- Latest developments in Oncology Nursing
- Practical exercises where self-assessment can be used to improve learning
- Special emphasis on innovative methodologies in Oncology Nursing
- 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



*Don't miss this opportunity to study in the largest private online university"*



*This Postgraduate Certificate is the best investment you can make when choosing a refresher program to expand your existing knowledge in Oncology Nursing”*

The teaching staff includes professionals from the field of Oncology Nursing, who bring their experience to this 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 specialist must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts in Oncology Nursing with extensive experience.

*This program comes with the best educational material, providing you with a contextual approach that will facilitate your learning.*

*This 100% online Postgraduate Certificate will allow you to combine your studies with your professional work while increasing your knowledge in this field.*



02

# Objectives

Postgraduate Certificate in Introduction to Oncology. Oncology Nursing is oriented to specialize health professionals in their daily work during the care of cancer patients, following the highest quality standards in the performance of their work.





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*Our goal is to help you succeed  
in your career”*



## General objectives

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- ◆ Expand the professional's knowledge, facilitating the acquisition of advanced competencies that will enable them to provide specialized care to complex oncology patients
- ◆ Incorporate theoretical and pathophysiological fundamentals in nursing practice, assuming the particularities of pediatric, adult and elderly patients
- ◆ Define the specific skills of the nursing professional in the oncology field in order to increase effectiveness and efficiency in the organization and to acquire coordination and management skills of the nursing team
- ◆ Design patient and family care plans integrating knowledge, attitudes and skills acquired during the program
- ◆ Apply the theoretical knowledge acquired with relation to the oncologic patient and the management and administration of treatment, guaranteeing patient safety at all times
- ◆ Deepen in the development of interpersonal relationships between the professional and the patient-family, as well as with the rest of the members of the multidisciplinary team
- ◆ Integrate emotional management strategies in the different stages of the disease process, incorporating the psychosocial and spiritual approach in the care and assuming death as a natural process in the terminal patient
- ◆ Acquire the necessary specialization to act with autonomy and provide the best care based on scientific evidence
- ◆ Implement research into routine nursing practice as a basis for professional development and effective and efficient management of complex cases





## Specific objectives

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- ◆ Become familiar with the main etiopathogenic theories of cancer, as well as the most important mechanisms of malignant transformation
- ◆ Differentiate and understand the alterations involved in the processes of carcinogenesis
- ◆ Determine the risk factors related to the occurrence of oncologic diseases and their effects on health
- ◆ Know the epidemiological data of the main malignant tumors
- ◆ Recognize the different levels of cancer prevention, as well as the activities and strategies for each type of prevention
- ◆ Acquire information on the characteristics and development of the main cancer early detection programs
- ◆ Perform a complete assessment of the oncology patient, which allows to detect needs and implement strategies to solve problems

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*Take advantage of the opportunity and take the step to get up to date on the latest developments in Introduction to Oncology. Oncology Nursing”*

03

# Course Management

The program's teaching staff includes leading experts in Oncology Nursing who contribute their vast work experience to this program. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.





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*We have an excellent team of professionals who have come together to teach you the latest advances in Oncology Nursing”*

## Management



### **Ms. Morán López, Marina**

- Nurse in the Medical Oncology, General Surgery, Digestive and Traumatology
- Departments of the University Hospital Infanta Elena
- Nurse at the Valdemoro Medical Center and La Paz University Hospital



# 04

# Structure and Content

The structure of the contents has been designed by the best professionals in the Oncology Nursing sector, with an extensive background and recognized prestige in the profession, backed by the volume of cases reviewed and studied, and with a broad mastery of new technologies applied to healthcare.



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*We have the most complete and up-to-date academic program in the market. We strive for excellence and for you to achieve it too”*

## Module 1. Introduction to Oncology. Oncology Nursing

- 1.1. Oncology and Oncology Nursing
  - 1.1.1. Introduction to Oncology Nursing
  - 1.1.2. Cancer Definition
  - 1.1.3. Essential Histological Concepts
- 1.2. Etiopathogenesis and Biology of Cancer
  - 1.2.1. Etiopathogenic Theories
    - 1.2.1.1. Viral Theory
    - 1.2.1.2. Oncogene Theory
    - 1.2.1.3. Suppressor Genes Theory
    - 1.2.1.4. Gene Theory
    - 1.2.1.5. Inflammatory Theory
  - 1.2.2. Biology of Cancer
    - 1.2.2.1. Concepts in Cell Biology
    - 1.2.2.2. Mechanisms of Malignant Transformation
- 1.3. Carcinogenesis
  - 1.3.1. Genetic Alterations
    - 1.3.1.1. Proto-Oncogenes
    - 1.3.1.2. Tumor Repair Genes
    - 1.3.1.3. DNA Repair Genes
  - 1.3.2. Epigenetic Alterations
  - 1.3.3. Carcinogenic Agents
- 1.4. Classification and Nomenclature of Tumors
  - 1.4.1. Benign Tumors
  - 1.4.2. Malignant tumours
- 1.5. Tumor Progression Staging
  - 1.5.1. Tumor Dissemination Routes
  - 1.5.2. Staging
    - 1.5.2.1. Depending on the Size
    - 1.5.2.2. Depending on the Level of Differentiation
- 1.6. Risk Factors
  - 1.6.1. Genetic Factors
  - 1.6.2. Hormonal Factors
  - 1.6.3. Radiation
  - 1.6.4. Tobacco
  - 1.6.5. Alcohol
  - 1.6.6. Diet
  - 1.6.7. Drugs:
  - 1.6.8. Physical Agents
  - 1.6.9. Chemical Agents
  - 1.6.10. Biological Agents
  - 1.6.11. Occupational Exposure
- 1.7. Epidemiology of Cancer
  - 1.7.1. Cancer Epidemiology Worldwide
  - 1.7.2. Cancer Epidemiology in Spain
    - 1.7.2.1. Tumors
    - 1.7.2.2. Prevalence
    - 1.7.2.3. Mortality
    - 1.7.2.4. Survival

- 1.8. Cancer Prevention
  - 1.8.1. Types of Prevention
  - 1.8.2. Primary Prevention
    - 1.8.2.1. Intervention Against Smoking
    - 1.8.2.2. Intervention Against Alcohol Consumption
    - 1.8.2.3. Promotion of Healthy Diet
  - 1.8.3. Secondary Prevention
  - 1.8.4. Tertiary Prevention
  - 1.8.5. Quaternary Prevention
- 1.9. Early Detection Programs
  - 1.9.1. Colorectal Cancer Early Detection Program
  - 1.9.2. Breast Cancer Early Detection Program
  - 1.9.3. Cervical Cancer Early Detection Program
- 1.10. Global Assessment the Oncologic Patient
  - 1.10.1. Tumor Markers
  - 1.10.2. Imaging Tests
  - 1.10.3. Neurological Assessment Scales
    - 1.10.3.1. Quality of Life Rating Scales
      - 1.10.3.1.1. Symptom Assessment
      - 1.10.3.1.2 Functional Assessment
      - 1.10.3.1.3. Quality of life Assessment

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*This program will allow  
you to advance in your  
career comfortably”*

06

# 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 relearn). 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

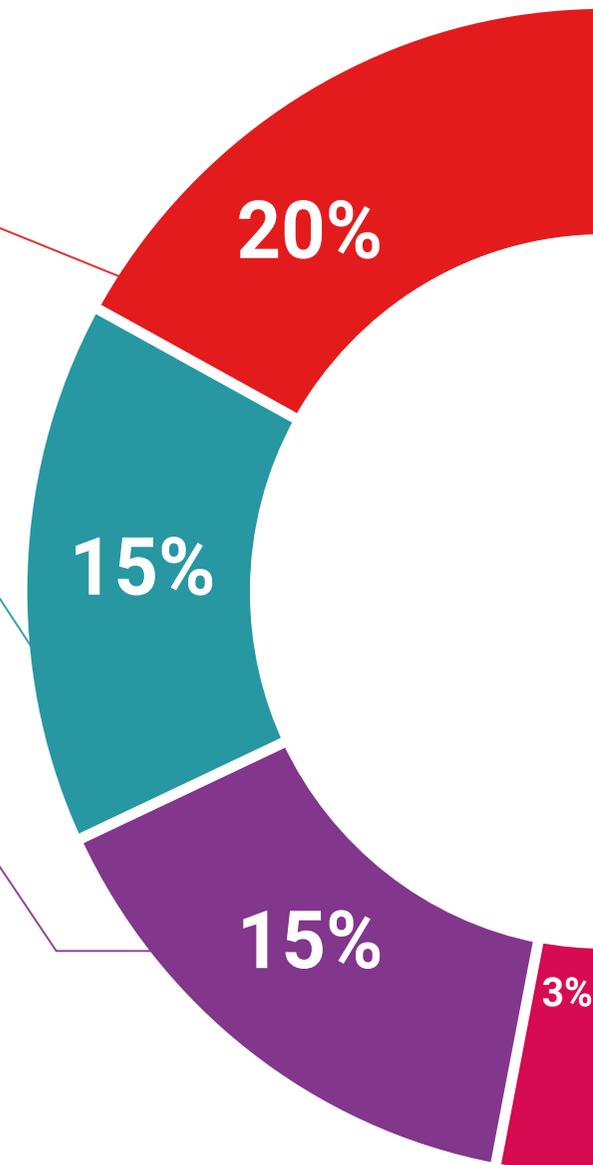
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

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

Postgraduate Certificate in Introduction to Oncology. Oncology Nursing guarantees you, in addition to the most rigorous and updated training, access to a Postgraduate Certificate issued by TECH Technological University.





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*Successfully complete this program  
and receive your university degree  
without travel or laborious paperwork”*

**Postgraduate Certificate in Introduction to Oncology. Oncology 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 Introduction to Oncology. Oncology Nursing**

Official N° of hours: **150 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

**tech** technological  
university

personalized service innovation

knowledge present quality  
online training

development languages

virtual classroom

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