## Hybrid Professional Master's Degree Breastfeeding





## Hybrid Professional Master's Degree Breastfeeding

Course Modality: Hybrid (Online + Clinical Internship) Duration: 12 months Certificate: TECH Technological University Teaching Hours: 1,620 h. Website: www.techtitute.com/us/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-breastfeeding

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## 01 Introduction

Medical research is continuously advancing in relation to breastfeeding. This field has experienced several innovations regarding the use of nutritional substitutes, the early abandonment of this feeding act by the baby and those contraindications that limit the mother to be able to feed her child by this natural method. Keeping up to date on all these aspects is a challenge, since educational programs with the most recent knowledge in this area are not abundant in the educational panorama. For this reason, TECH has implemented an innovative study program that combines theoretical study, over 1,500 hours, with an immersive, face-to-face, internship over 3 weeks.





Incorporate the latest knowledge related to Breastfeeding and apply the most innovative procedures in your professional practice from the contents of this very complete program"

## tech 06 | Introduction

Several recent scientific researches support the updating of protocols and techniques to develop a much more correct Breastfeeding. These studies have shown that this biological process is essential for the child's health and the mother's recovery after childbirth. Therefore, health professionals must be trained on the latest trends in this field in order to be able to offer personalized care according to the situation and evolution of each clinical case. To help specialists to be up to date on all these aspects, TECH has created a program of excellence, where the mastery of theoretical content and more complex practical skills in this field of care are closely related.

In this way, this Hybrid Professional Master's Degree's makes an extensive tour of the different pathologies that afflict the child and the mother, and make the breastfeeding process impossible. Moreover, the program delves into the characteristics of artificial formulas and other substitutes that enhance the proper nutrition of the newborn and prevent conditions such as colic and constipation. In addition to studying different techniques to prevent damage to the breast or the spread of chronic diseases through this nutritional fluid.

During this program, TECH will facilitate access to its graduates to real patients in first level hospital settings. These facilities are equipped with state-of-the-art resources and tools. In these spaces, students will be able to maximize their potential and grow professionally under the guidance of highly prestigious experts. All academic progress will be supervised by an assistant tutor who will introduce the professional in care dynamics and, in this way, they will develop essential skills to access competitive and demanding jobs. This **Hybrid Professional Master's Degree in Breastfeeding** contains the most complete and up-to-date scientific program on the market. The most important features include:

- Development of more than 100 clinical cases presented by medical professionals, experts in the process of breastfeeding
- 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
- Assessment and monitoring of the infant and its mother, based on a thorough knowledge of the main contraindications for this biological act
- Comprehensive systematized action plans for the main pathologies in the Intensive Care Medicine Unit
- Presentation of practical workshops on techniques and specialized care to promote breastfeeding
- Special emphasis on test-based medicine and research methodologies in Breastfeeding
- 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
- Furthermore, you will be able to carry out a clinical internship in one of the best medical centers

### Introduction | 07 tech

The latest clinical and health care vanguard in relation to Breastfeeding will be in your hands from the study of this innovative learning modality"

In this proposed Master's Degree, of professionalizing character and blended learning modality, the program is aimed at updating medical professionals dedicated to the care of the infant and its mother. The contents are based on the latest scientific evidence, and oriented in a didactic way to integrate theoretical knowledge in a work practice of excellence.

Thanks to its multimedia content elaborated with the latest educational technology, it will allow the health professional to obtain a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to train in real situations. This program is designed around Problem-Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

The practical training of this program will allow you to achieve professional success with an intensive stay of only 120 educational hours.

This Hybrid Professional Master's Degree in Breastfeeding will facilitate the updating of your knowledge in a practical way and in correspondence with your interests and availability of schedules.

## 02 Why Study this Hybrid Professional Master's Degree?

This Hybrid Professional Master's Degree is of vital importance for all specialists who wish to update their knowledge in the field of Breastfeeding. Through this innovative program, devised by TECH, doctors will master new trends such as the use of artificial formulas for proper infant feeding, the fight against infections such as Mastitis through innovative procedures and the criteria for the baby's nutrition in case the mother suffers from Hepatitis B, C or COVID-19. The theoretical domain of all these contents will be complemented with a practical and face-to-face stay in a health institution of international scope. In this way, the graduate will assimilate all the subjects quickly and flexibly and will be able to incorporate them immediately into his professional career.

Why Study this Hybrid Professional Master's Degree? | 09 tech

*Enroll in this Hybrid Professional Master's Degree and have theoretical and practical access to the main techniques that support Breastfeeding, as well as the essential care for the child and its mother"* 

## tech 10 | Why Study this Hybrid Professional Master's Degree?

#### 1. Updating from the latest technology available

In this program, TECH will delve into the use of complex techniques and avant-garde clinical criteria in relation to Breastfeeding. This knowledge will reach the graduate in a theoretical and practical way, through an innovative modality of studies, focused on the main demands and requirements of the scientific panorama.

#### 2. Gaining In-Depth Knowledge from the Experience of Top Specialists

Throughout this Hybrid Professional Master's Degree, the specialist will have an excellent teaching team that will provide a personalized learning guide. These professors have chosen first-rate content that will contribute significantly to your daily professional practice. Additionally, during the practical phase, you will exchange with the best experts in this field in a prestigious hospital institution.

#### 3. Entering First-Class Clinical Environments

In the professional practice of this program, TECH has foreseen the needs of its students in terms of the development of protocols and more complex techniques in relation to Breastfeeding. Moreover, the specialist will be able to learn directly, with the supervision of an expert with extensive experience, as an assistant tutor.

## Why Study this Hybrid Professional Master's Degree? | 11 tech

#### 4. Combining the Best Theory with State-of-the-Art Practice

At the academic level, few study programs manage to unify the theoretical field with practical activity. However, this model of TECH's Hybrid Professional Master's Degree, doctors will achieve a holistic mastery of the trends and techniques embodied in its educational content. All this, in only 3 weeks of classroom activity in a prestigious center.

#### 5. Expanding the Boundaries of Knowledge

This program broadens the doctor's horizons from an international perspective. This is possible thanks to the contacts and reach of TECH, the largest digital university in the world, in a very complete study program where they will have the opportunity to interact with experts from different latitudes and become familiar with global standards of Breastfeeding.

**666** You will have full practical immersion at the center of your choice"

# 03 **Objectives**

Adequate breastfeeding is key to the development of the child's immune system and enhances multiple physiological benefits for the mother. This nutritional process often requires the support and advice of a medical specialist. For this reason, there is an increasing need for highly trained professionals, with a theoretical and practical mastery of all its particularities. This program will turn the TECH graduate into one of those experts, thanks to its intensive compilation of modern conceptual content and the immersive classroom study stay that you will manage to complete in just 3 weeks.

With the knowledge that you will incorporate thanks to this academic syllabus, you will be able to make recommendations to your patients about the suspension of breastfeeding, taking into account the consumption of cytotoxic or radioactive drugs by the mother"

## tech 14 | Objective

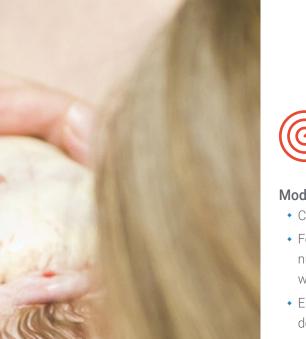


### **General Objective**

• The general objective of the Hybrid Professional Master's Degree in Breastfeeding is to update the health professional on the main innovations in relation to breastfeeding. Also, the program favors the acquisition of technical skills and abilities to prevent damage to the breast and the early abandonment of breast milk consumption. At the same time, it promotes the analysis of the main contraindications that prevent the correct development of this nutritional process



## Objectives | 15 tech



## Specific Objectives

#### Module 1. Breastfeeding Today and Throughout History

- Conduct a review of the current global epidemiology of breastfeeding
- Foster the proper development of the mother-child relationship, reducing the number of children who are assaulted, abandoned and who fail to progress without organic cause
- Encourage breastfeeding to achieve adequate growth and development, preventing future health problems

#### Module 2. Physiology and Clinical History in Breastfeeding

- Update knowledge about the Physiology of Breastfeeding
- Describe the anatomy of the lactating breast
- Define the characteristics of a milk bank

#### Module 3. Breastfeeding Care and Breastfeeding Women's Health

- Provide information on nutrition for the breastfeeding mother
- Describe the rights of women during Breastfeeding

#### Module 4. The Healthy Newborn

- Explain the benefits of breastfeeding for women's postpartum and long-term recovery
- Explain the different breastfeeding positions and their indications

#### Module 5. Problems During Breastfeeding

- Train mothers in newborn care and in the resolution of common infant health problems
- Detect bad latching positions of the baby that may alter the development of feeding

## tech 16 | Objective

#### Module 6. Other Types of Breastfeeding

- Explain other types of infant feeding and their substitution or combination with breastfeeding
- Explain the different bottle preparation techniques and their advantages and disadvantages

#### Module 7. Breastfeeding in Special Situations

- Explain the benefits of physical activity during Breastfeeding
- Describe the main contraindications of breastfeeding

#### Module 8. Common Situations During Breastfeeding

- Counsel the mother who works outside the home and wishes to continue breastfeeding
- Teach the steps to be followed to achieve successful exclusive breastfeeding

#### Module 9. Drugs and Breastfeeding

- Obtain knowledge about the transfer of drugs to breast milk in order to guide women in their doubts when taking medications
- Define appropriate treatment of breast and nipple associated complications

#### Module 10. Associations of Breastfeeding Initiatives and Legislation

- Describe paternal involvement in the breastfeeding process
- Promote active participation in the care of the RN and in the monitoring of its growth and development



## Objectives | 17 tech



- Debunk false myths and false contraindications of breastfeeding
- Coverage of HIV and Hepatitis condition with respect to breastfeeding
- Study the possible difficulties of the newborn in special breastfeeding situations
- Understand the impact of breastfeeding on maternal conditions

#### Module 12. Maternal Inhibition or Weaning

- Define strategies to counsel and accompany women who do not wish to breastfeed
- Explain erroneous beliefs about breastfeeding

This academic program combines, like no other program, the theoretical domain of care procedures in relation to breastfeeding and their practical application throughout a face-to-face and immersive learning stay"



## 04 **Skills**

This Hybrid Professional Master's Degree's in Breastfeeding will provide the medical professional with the latest knowledge in this field of care. It will also develop skills to accompany the mother and her baby in relation to nutritional support and correct feeding practices during the first stages of life.

Skills | 19 tech

This updating program will generate in you several skills that will help you to detect pathologies such as Ankyloglossia, which causes the early abandonment of breastfeeding by the newborn"

## tech 20 | Skills



**General Skills** 

- Describe all the advances related to breastfeeding on the international landscape
- Act in support of the nursing mother at all stages of the process.
- Promote successful breastfeeding implementation and their maintenance
- Intervene in special cases of the mother and the infant, taking into account different medications incompatible with this nutritional process
- Accompany the mother with a baby with difficulties or impossibility to breastfeed due to conditions such as cleft lip or Hypogalactia

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Incorporate in your professional activity the use and encouragement of alternative and artificial formulas to combat the risk of atopy, colic or constipation in the newborn"



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- Use of human milk banks
- Supporting the woman who does or does not want to breastfeed
- Include the father in the breastfeeding support process
- Recognize the physiological processes of the mother and breastfeeding
- Describe the benefits of breast milk for the infant and the mother
- Latching appropriately and counseling on proper latch-on through analysis of correct and incorrect postures
- Care for lactating breasts through proper breastfeeding techniques
- Recognize the foods that benefit breastfeeding
- Know what type of exercise is recommended during lactation.
- Know the anatomy and physiology of the newborn and their nutritional needs
- Perform an infant growth curve and interpret it. Intervene and advise on infant colic
- Implement the benefits of skin-to-skin systems
- Master all about nipples and pacifiers and breastfeeding
- Describe the contraindications for breastfeeding based on infant and maternal pathologies
- Help in case of problems with nipples, breast engorgement and to intervene in it and Mastitis
- Learn which are the breastfeeding support devices, how to use them, and the techniques of artificial breastfeeding and to give advice on complementary feeding
- Recognize hypogalactia and its correct intervention, as well as how to breastfeed in case of cleft lip

- Support Breastfeeding in teenage mothers
- Advise on the LAM method
- Learn the possible reasons for breast rejection and to intervene in these processes
- Know the benefits of tandem breastfeeding, extended breastfeeding and co-sleeping
- Store and transport breast milk for the mother who returns to work
- Learn about medications and their possible incompatibility with breastfeeding
- Describe the role of lactation consultants and learn about the Inocenti statement
- Learn more about the global breastfeeding protection treaty, as well as the IHAN initiative of the World Health Organization
- Master the Legislation for the Protection of Breastfeeding
- Know the contraindications for breastfeeding
- Counseling in case of HIV, Hepatitis B or C and Cancer
- Describe the weaning process
- Know the physiology of weaning inhibition, how to accelerate weaning or its progressive development

## 05 Course Management

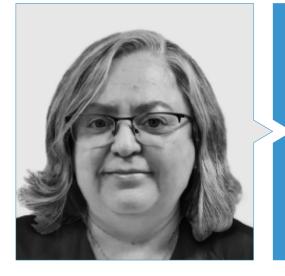
To compose the faculty of this Hybrid Professional Master's Degree in Breastfeeding, TECH has conducted a thorough evaluation of the professionals within its reach. After completing this selection, these experts have developed an innovative syllabus that brings together the most innovative nutritional protocols for the newborn, based on breastfeeding. With the help of these professionals, the graduate will achieve a theoretical mastery of this complex field of medicine and will then be able to access competitive jobs where he will face the difficulties of his patients in a rigorous and efficient way.

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TECH and its professors will provide you with access to a personalized academic guide according to your didactic needs and updating interests"

## tech 24 | Course Management

#### Management



#### Ms. Aguilar Ortega, Juana María

- Breastfeeding Coordinator at 12 de Octubre Hospital
- Neonatal Nurse at the 12 de Octubre Hospital
- \* Co-author of studies on Breastfeeding during Puerperium
- Lecturer in university nursing studies
- Certified Lactation Consultant

### Professors

#### Ms. Díaz Lozano, Paula

- Midwife in the Virgen de Valme University Hospital
- Midwife in the Ceuta Health Area
- Nurse Specialist in Obstetrics and Gynecology, University Hospital of Ceuta
- Teacher specialized in Obstetrics
- Postgraduate Certificate in Nursing from the Faculty of Nursing and Physiotherapy of Cadiz

#### Ms. Hachero Rodríguez, Carmen María

- Midwife at the Zaragoza Hospital
- Member of the Board of Directors of Andalusian Association of Midwives
- Training Spokesperson

#### Ms. De la Cabeza Molina Castillo, María

- Midwife expert in Gynecobstetric Triages
- Midwife at Churriana de la Vega Health Center
- Midwife in Obstetrics Service of the Maternal and Child Hospital of Jaen
- Midwife at the University Hospital of Ceuta
- Member of Andalusian Association of Midwives

#### Ms. Armijo Navarro, Elena

• Midwife San Sebastián Hospital

#### Ms. Gómez González, Irene

Midwife Ceuta University Hospital

## Course Management | 25 tech

#### Dr. Vázquez Lara, Juana María

- Primary Care Nurse
- Emergency Service of 061 Nurse of the Ceuta Health Management Area
- PhD from the University of Granada
- Acting midwife of the Delivery Service at the University Hospital of Ceuta
- Head of Studies of the Ceuta Midwifery Teaching Unit
- Professor in the Ceuta Midwifery Teaching Unit
- National Coordinator of the Obstetrical-Gynecological Emergencies Working Group of the Spanish Society of Emergency Nursing (SEEUE)
- Master's Degree of the Official Doctoral Program in Physical Education and Health
- University Expert on "Health Promotion in the Community" UNED
- Specialty in Obstetric and Gynecological Nursing (Midwife) at the Hospital Costa del Sol in Marbella of the University School of Nursing and Midwifery of Malaga by the University of Malaga
- University Diploma in Nursing from Salus Infirmorum" University School of Nursing, University of Cádiz

#### Ms. Del Pozo Álvarez, Lidia

- Nurse midwife expert in Gynecology and Obstetrics
- Midwife at University Hospital of Ceuta
- Midwife in health centers in Cordoba
- Midwife in health centers of Lanzarote

## tech 26 | Course Management

#### Dr. Rodríguez Díaz, Luciano

- Nursing Specialist in Obstetrics and Gynecology
- Head of Studies of the Obstetric-Gynecological Nursing Teaching Unit (Midwife) of the University Hospital of Ceuta
- Midwife at the University Hospital of Ceuta
- Teacher at the Virgen de La Paz Nursing University Centre Ronda, Spain
- Professor of the Ceuta Midwifery Teaching Unit
- Vocal of the Obstetrical-Gynecological Emergencies Working Group of the Spanish Society of Emergency Nursing (SEEUE)
- Responsible for Perinatal Health: Reproductive Sexual Health and Normal Childbirth of Ingesa
- Member of the Clinical Commission for Research and Continuing Education of the University Hospital of Ceuta
- Members: Institute of Ceuti Studies, Editorial Board of the European Journal of Health Research and the of Health Research and Spanish Society of Emergency Medicine
- PhD from the University of Granada
- Master's Degree in Physical Education and Health from the University of Granada
- Master's Degree in Gynecological Nursing from the CEU Cardenal Herrera University
- Master's Degree in Obstetric Nursing from the CEU Cardenal Herrera University
- \* Speciality in Nursing Obstetric and Gynecological from the University of Malaga
- University Diploma in Nursing at the University of Cadiz
- Expert in Health Management in The Community by the National Distance Education University (UNED)



## Course Management | 27 tech

#### Ms. De Dios Pérez, María Isabel

- Midwife at the University Hospital of Zaragoza
- Postgraduate Certificate in Nursing
- Nursing Specialist in Obstetrics and Gynecology

#### Mr. Carrasco Guerrero, Manuel

- Midwife at the Ceuta University Hospital
- Obstetric-Gynecological Nursing Specialization
- Award for the best oral communication at the International Congress of Nursing and Physiotherapy of Ceuta and Melilla



The excellent syllabus of this program is the result of the joint and specialized work of a highly qualified teaching team"

## 06 Educational Plan

This program has a very complete academic syllabus, composed of didactic modules that examine the most updated topics regarding Breastfeeding. Among them is the analysis of different techniques to prevent damage to the breast and facilitate proper feeding of the baby. It also examines the essential care in special health situations that afflict the mother or child. Likewise, it explores those substitute products that make artificial breastfeeding possible. These theoretical contents are accompanied by audiovisual materials and interactive resources of great value for fast and flexible learning and that TECH has effectively available in its 100% online study platform.

The theoretical phase of this program is not subject to pre-established schedules so that you can individually self-manage the absorption of the didactic subjects"

## tech 30 Educational Plan

#### Module 1. Breastfeeding Today and Throughout History

- 1.1. Concepts Related to Breastfeeding
  - 1.1.1. Evolution of the Concept of Breastfeeding
  - 1.1.2. Breastfeeding Concepts
- 1.2. History of Breastfeeding
  - 1.2.1. Natural History of Breastfeeding
  - 1.2.2. Historical Development of The Importance of Breastfeeding
- 1.3. False Myths
  - 1.3.1. Misconceptions About Breastfeeding
  - 1.3.2. Correct Beliefs About Breastfeeding
- 1.4. Care Strategy for Normal Childbirth
  - 1.4.1. Encouraging Breastfeeding after Childbirth
  - 1.4.2. Benefits of Breastfeeding in Childbirth
- 1.5. Epidemiology
  - 1.5.1. Epidemiological Course of Breastfeeding Development
  - 1.5.2. Social Evolution of Breastfeeding
- 1.6. Human Milk Banks
  - 1.6.1. Milk Bank Concept
  - 1.6.2. Characteristics of a Milk Bank
- 1.7. Counseling and Support for Women Who Do Not Wish to Breastfeed
  - 1.7.1. Health Education for Women Do Not Wish to Breastfeed
  - 1.7.2. Specific Information on Care for Non Lactating Women
- 1.8. Womens Rights During Breastfeeding
  - 1.8.1. The Immediate Rights of the Infant
  - 1.8.2. Social Benefits in Breastfeeding Women
- 1.9. Paternal Involvement in Breastfeeding
  - 1.9.1. The Father as a Supporting Figure in Breastfeeding
  - 1.9.2. The father as a Breastfeeding Consultant
- 1.10. Protection of Breastfeeding Worldwide: WHO Recommendations
  - 1.10.1. WHO Recommendations
  - 1.10.2. Global Protection in Breastfeeding



### Educational Plan 31 tech



#### Module 2. Physiology and Clinical History in Breastfeeding

- 2.1. Anatomy of the Breast
  - 2.1.1. Surrounding Bony Structure of the Breast
  - 2.1.2. Muscular Structure of the Breast
- 2.2. Physiology of Breastfeeding
  - 2.2.1. Physiological Development of Breastfeeding
  - 2.2.2. Hormonal Circuit of Breastfeeding
- 2.3. Benefits of Breastfeeding for the Mother
  - 2.3.1. Concept
  - 2.3.2. The Benefits for the Mother in Breastfeeding
- 2.4. Benefits of Breastfeeding for the Baby
  - 2.4.1. Concept
  - 2.4.2. The Benefits for the Baby in Breastfeeding
- 2.5. Evaluation of the Intake
  - 2.5.1. Indications on the Intake
  - 2.5.2. Inadequate Actions on the Intake
- 2.6. Signs of Good and Bad Hitching
  - 2.6.1. Hitching Concept
  - 2.6.2. Benefits of a Good Hitch
- 2.7. Recommended Positions
  - 2.7.1. Proper Breastfeeding Positions
  - 2.7.2. Inadequate Breastfeeding Positions

#### Module 3. Breastfeeding Care and the Health of the Breastfeeding Mothers

- 3.1. First Recommendations during Pregnancy
  - 3.1.1. Evolution of Breastfeeding in Pregnancy
  - 3.1.2. Breastfeeding Care in Pregnancy
- 3.2. Breast Care during Breastfeeding
  - 3.2.1. General Care
  - 3.2.2. Specific Advice
- 3.3. Proper Techniques for Breastfeeding

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- 3.3.1. Different Breastfeeding Techniques
- 3.3.2. Incorrect Breastfeeding Measures
- 3.4. Effects of Breastfeeding on Women's Health in the Short Term
  - 3.4.1. Immediate Benefits of Breastfeeding in Women
  - 3.4.2. Positive Breastfeeding Tips
- 3.5. Effects of Breastfeeding on Women's Health in the Mid- and Long-Term
  - 3.5.1. Long-term Benefits of Breastfeeding
  - 3.5.2. Mid-term Benefits of Breastfeeding
- 3.6. Maternal Diet and Breastfeeding
  - 3.6.1. Foods that alter Breast Milk
  - 3.6.2. Foods that benefit Breastfeeding
- 3.7. Physical Activity and Breastfeeding
  - 3.7.1. Encouraging Physical Activity During Breastfeeding
  - 3.7.2. Contraindications to Physical Activity During Breastfeeding

#### Module 4. The Healthy Newborn

- 4.1. Anatomical and Physiological Characteristics
  - 4.1.1. Anatomy of the Newborn
  - 4.1.2. Physiology of the Newborn
- 4.2. Nutritional Requirements of the Infant
  - 4.2.1. Infant Nutrition
  - 4.2.2. Dietary Advice
- 4.3. Growth of Breastfed Infants
  - 4.3.1. WHO Curves
  - 4.3.2. Normality in the Curve
- 4.4. Infantile Colic
  - 4.4.1. Concept
  - 4.4.2. Indications to Avoid Infant Colic
- 4.5. Early Skin-to-skin Contact
  - 4.5.1. The Skin-to-skin Start
  - 4.5.2. Immediate Skin-to-skin Benefits
- 4.6. First Intake Attachment
  - 4.6.1. Concept of Attachment
  - 4.6.2. Indications of Onset of Contact

- 4.7. Breastfeeding and Kangaroo Mother Method
  - 4.7.1. Kangaroo Method Approach
  - 4.7.2. Start of the Technique
- 4.8. Nipples and Pacifiers During Breastfeeding
  - 4.8.1. Description of Nipples and Pacifiers
  - 4.8.2. Precautions for Nipples and Pacifiers

#### Module 5. Problems During Breastfeeding

- 5.1. Contraindications for Breastfeeding
  - 5.1.1. Situations that Contraindicate Breastfeeding
  - 5.1.2. Nutritional
- 5.2. Maternal Pathologies that Contraindicate Breastfeeding
  - 5.2.1. List Maternal Pathologies that Contraindicate Breastfeeding
  - 5.2.2. Counseling on Contraindications to Breastfeeding
- 5.3. Newborn Pathologies that Contraindicate Breastfeeding
  - 5.3.1. List Neonatal Pathologies that Contraindicate Breastfeeding
  - 5.3.2. Counseling on Contraindications to Breastfeeding
- 5.4. Nipple Problems
  - 5.4.1. Different Types of Nipple
  - 5.4.2. Support to the Mother
- 5.5. Mammary Ingurgitation
  - 5.5.1. Concept
  - 5.5.2. Adequate Treatment
- 5.6. Mastitis
  - 5.6.1. Concept
  - 5.6.2. Adequate Treatment
- 5.7. Aids and Devices to Assist in Breastfeeding
  - 5.7.1. Different Breastfeeding Devices
  - 5.7.2. How to help Breastfeeding?

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#### Module 6. Other Types of Breastfeeding

- 6.1. Artificial Breastfeeding
  - 6.1.1. Concept
  - 6.1.2. Development of the Technique
- 6.2. Formula Milk: Handling and Disadvantages
  - 6.2.1. Formula Milk Preparation
  - 6.2.2. Benefits and Drawbacks
- 6.3. Preparation of a Baby Bottle
  - 6.3.1. Technique for Preparing a Baby Bottle
  - 6.3.2. Sterilizing Baby Bottles
- 6.4. Mixed Breastfeeding
  - 6.4.1. Concept
  - 6.4.2. How to Carry it Out?
- 6.5. Relactation
  - 6.5.1. Concept
  - 6.5.2. Indications
- 6.6. Combination of Breastfeeding with Nutrition
  - 6.6.1. Complementary Nutrition
  - 6.6.2. Nutritional Needs

#### Module 7. Breastfeeding in Special Situations

- 7.1. Hypogalactia
  - 7.1.1. Concept
  - 7.1.2. Measures to Treat
- 7.2. Sick Newborns
  - 7.2.1. Different Pathologies
  - 7.2.2. Breastfeeding in Children with Pathologies
- 7.3. Prematurity
  - 7.3.1. Definition of Prematurity
  - 7.3.2. Breastfeeding in Premature Infants

- 7.4. Teenage Mothers
  - 7.4.1. Breastfeeding in Teenage Mothers
  - 7.4.2. Problems in Teenage Mothers
- 7.5. Breastfeeding and LAM
  - 7.5.1. Concept
  - 7.5.2. Benefits of LAM
- 7.6. Cleft Lip and Lip Malformations
  - 7.6.1. Concept
  - 7.6.2. Support for Newborns and Breastfeeding Mothers
- 7.7. Breastfeeding and New Pregnancy
  - 7.7.1. Tandem Breastfeeding
  - 7.7.2. Nutritional
- 7.8. Breastfeeding and Stress
  - 7.8.1. Stress as a Detriment to Breastfeeding
  - 7.8.2. Measures to Cope with Stress

#### Module 8. Common Situations During Breastfeeding

- 8.1. Crying and Breast Refusal
  - 8.1.1. Concept
  - 8.1.2. Immediate Attention
- 8.2. Breastfeeding Strike
  - 8.2.1. Concept
  - 8.2.2. Strike Counseling
- 8.3. Prolonged and Tandem Breastfeeding
  - 8.3.1. Concept
  - 8.3.2. Benefits
- 8.4. Co-Sleeping
  - 8.4.1. Concept
  - 8.4.2. Benefits of Co-sleeping
- 8.5. Working Outside the Home and Breastfeeding
  - 8.5.1. Incorporation into Work
  - 8.5.2. Support in this Situation

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- 8.6. Milk Extraction: Methods and Tools
  - 8.6.1. Parts of the Breast Pump
  - 8.6.2. Use of the Breast Pump
- 8.7. Transport and Storage of Breast Milk
  - 8.7.1. Milk Storage Mechanisms
    - 8.7.2. Milk Transport

#### Module 9. Drugs and Breastfeeding

- 9.1. Transfer of Drugs and Other Elements into Breast Milk
  - 9.1.1. Concept
  - 9.1.2. Medication Administration Contraindications
- 9.2. Drug Interaction and Breastfeeding
  - 9.2.1. Drug Interaction
  - 9.2.2. Medication administration
- 9.3. Most Commonly Used Drugs During Breastfeeding
  - 9.3.1. Drugs Indicated for Breastfeeding
  - 9.3.2. Indications
- 9.4. Web-based Resources and Tools on Drugs and Breastfeeding
  - 9.4.1. Web about Breastfeeding and Drugs
  - 9.4.2. How to Search Online?
- 9.5. Harmful Substances and Breastfeeding
  - 9.5.1. Different Harmful Substances in Breastfeeding
  - 9.5.2. Attitude Towards the Ingestion of Harmful Substances

#### Module 10. Associations of Breastfeeding Initiatives and Legislation

- 10.1. Support Groups
  - 10.1.1. Concept
  - 10.1.2. Different Support Groups
- 10.2. Lactation Consultants
  - 10.2.1. Concept of Consultants
  - 10.2.2. Consultant's Roles
- 10.3. Innocenti Statement
  - 10.3.1. Protecting Breastfeeding Globally
  - 10.3.2. Protection Treaty

- 10.4. WHO Baby-Friendly Hospital Initiative (BFHI
  - 10.4.1. Characteristics of the Initiative
  - 10.4.2. Objectives to be Met
- 10.5. Legislation for the Protection of Breastfeeding 10.5.1. Current Legislation
  - 10.5.2. Rights and Responsibilities
- 10.6. Recommended Websites
  - 10.6.1. Online queries
  - 10.6.2. Credibility of Web Pages

#### Module 11. Diseases and Breastfeeding

- 11.1. Concept
  - 11.1.1. Definition of Diseases and Breastfeeding
  - 11.1.2. Performance
- 11.2. Absolute and False Contraindications
  - 11.2.1. Contraindications
  - 11.2.2. False Myths
- 11.3. HIV and Breastfeeding
  - 11.3.1. Concept
  - 11.3.2. Indications for Breastfeeding
- 11.4. Hepatitis and Breastfeeding
  - 11.4.1. Concept
  - 11.4.2. Indications for Breastfeeding
- 11.5. Oncological Processes and Breastfeeding
  - 11.5.1. Cancer and Breastfeeding
  - 11.5.2. Indications for Oncologic Process and Breastfeeding Mother
- 11.6. Special Situations in the Newborn that make Breastfeeding Difficult
  - 11.6.1. Newborn Special Situations
  - 11.6.2. Mechanisms for Adapting Special Situations and Breastfeeding
- 11.7. How to Promote Breastfeeding in Maternal-Fetal Conditions?
  - 11.7.1. Concept
  - 11.7.2. Encourage Breastfeeding In Situ

## Educational Plan 35 tech

#### Module 12. Maternal Inhibition or Weaning

- 12.1. Concept and Types
  - 12.1.1. Types of Inhibition
  - 12.1.2. Mechanism for Progressive Weaning
- 12.2. Physiology of Breastfeeding Inhibition
  - 12.2.1. Physiology of Inhibition
  - 12.2.2. Indications to Inhibit Breastfeeding
- 12.3. Ways to Speed Weaning
  - 12.3.1. How and When to Wean?
  - 12.3.2. How to Start Progressive Weaning?
- 12.4. Prolonged Breastfeeding
  - 12.4.1. Concept
  - 12.4.2. Benefits and Detriments
- 12.5. Medications Associated with Breastfeeding Inhibition
  - 12.5.1. Medication for Inhibition
  - 12.5.2. Indications
- 12.6. Entering Labor Market
  - 12.6.1. Stressful Situation on Incorporation
  - 12.6.2. Advice and Assistance



Advance in the mastery of the contents of this Hybrid Professional Master's Degree with the help of videos, infographics and other teaching resources available on TECH's interactive platform"

# 07 Clinical Internship

After passing the online academic period, this program includes practical training in the facilities of a renowned hospital center. In this way, the physician will have the best resources and experts to complement his learning in a holistic way.

Complete the clinical practices of this program in a hospital center equipped with the most innovative resources and prevent the contraindications of Breastfeeding"

## tech 38 | Clinical Internship

This program allocates 3 weeks of Internship to on-site learning of the latest techniques and technological tools related to breastfeeding. The doctor will be able to choose specific international facilities to carry out this on-site stay, thanks to TECH's various pedagogical contacts.

Additionally, the specialist will work together with leading experts in the field, who will transmit their experiences to solve different problems affecting the mother and the breastfeeding child. Likewise, he will have a designated tutor who, through the assignment of complex tasks, will contribute to the development of practical skills of rigor and excellence.

The Internship will be performed with the active participation of the student performing the activities and procedures of each area of skill (learning to learn and learning to do), with the accompaniment and guidance of teachers and other fellow trainees that facilitate teamwork and multidisciplinary integration as transversal skills for the praxis of Medina (learning to be and learning to relate).

The procedures described below will be the basis of the practical part of the training, and their implementation is subject to both the suitability of the patients and the availability of the center and its volume of work, the proposed activities being the following:



## Clinical Internship | 39 tech

Module	Practical Activity
Contraindications of Breastfeeding due to pathologies in the mother or child	Determine whether or not the baby suffers from Galactosemia by means of blood culture tests for bacterial infection and enzyme activity in erythrocytes, to clarify to the mother with HIV whether or not it is possible for her to breastfeed her baby, depending on the status of her disease and the use of antiretrovirals
	Suspend breastfeeding if the mother is using cytotoxic drugs, radioactive drugs and drugs of abuse such as cocaine or marijuana
	Examine the mother for human T-cell leukemia virus infection and avoid breastfeeding at these times
Techniques to prevent breast damage  and support Breastfeeding	Massage the areola area, by inverse precision smoothing, to reduce the discomfort caused by breast engorgement
	Combat the infection causing Mastitis with the latest generation of antibiotics and analgesics
	Inform the mother not to stop breastfeeding in case of Mastitis since the act can help to eliminate the infection
	Use of breast pumps to sustain the process of Breastfeeding for the baby for a longer period of time
Breastfeeding in Special Situations	Detect conditions such as Ankyloglossia, Retrognathia or micrognathia in the baby, among others, causing Hypogalactia or early abandonment of breastfeeding by the newborn
	Use masks and proper hand hygiene when breastfeeding an infant, in case of signs of acute respiratory illness such as COVID-19
	Hand express milk from Hepatitis C mothers with cracked and bleeding nipples and discard it
	Postpone breastfeeding in mothers with Hepatitis B until the newborn is vaccinated against Hepatitis B
	Advise the mother on the benefits of mixed breastfeeding
Artificial Breastfeeding: main substitutes	Indicate lactose-free formulas for infants with transient or secondary intolerance
	Implementing the use of partially hydrolyzed formulas for infants at risk of atopy
	Facilitate infant digestion with anti-colic and anti-constipation formulas, rich in partially hydrolyzed serum proteins, less fatty acids and less lactose

## tech 40 | Clinical Internship

## **Civil Liability Insurance**

This institution's main concern is to guarantee the safety of the trainees and other collaborating agents involved in the internship process at the company. Among the measures dedicated to achieve this is the response to any incident that may occur during the entire teaching-learning process.

To this end, this entity commits to purchasing a civil liability insurance policy to cover any eventuality that may arise during the course of the internship at the center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. That way professionals will not have to worry in case of having to face an unexpected situation and will be covered until the end of the internship program at the center.



## **General Conditions of the Internship Program**

The general terms and conditions of the internship agreement for the program are as follows:

1. TUTOR: During the Hybrid Professional Master's Degree, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.

**2. DURATION:** The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

**3. ABSENCE**: If the students does not show up on the start date of the Hybrid Professional Master's Degree, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor. **4. CERTIFICATION:** Professionals who pass the Hybrid Professional Master's Degree will receive a certificate accrediting their stay at the center.

**5. EMPLOYMENT RELATIONSHIP:** The Hybrid Professional Master's Degree shall not constitute an employment relationship of any kind.

**6. PRIOR EDUCATION:** Some centers may require a certificate of prior education for the Hybrid Professional Master's Degree. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed.

**7. DOES NOT INCLUDE:** The Hybrid Professional Master's Degree will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed.

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

## 08 Where Can I Do the Clinical Internship?

The internships provided by this Hybrid Professional Master's Degree will take place in a center of great prestige in relation to the techniques and applications of Breastfeeding. In it, the specialist will apply first level skills, whose theoretical mastery was achieved in the initial phase of the program. At the same time, he will have access to real patients, under the strict and rigorous supervision of prestigious experts. The whole academic process will be developed for 3 intensive weeks in a face-to-face and immersive way.

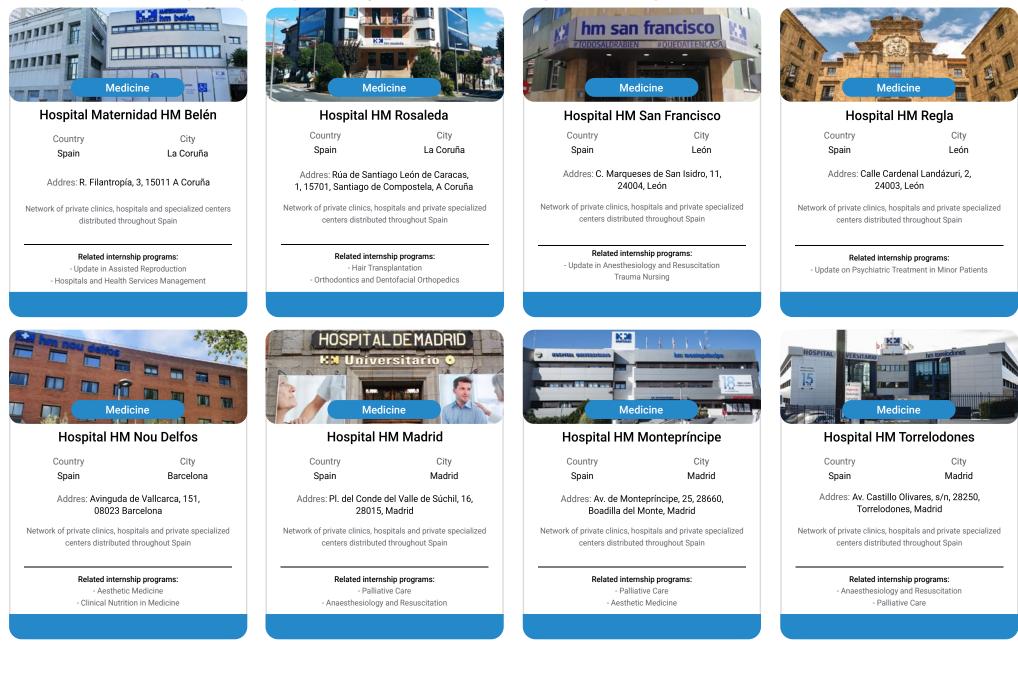
## Where Can I Do the Clinical Internship? | 43 tech

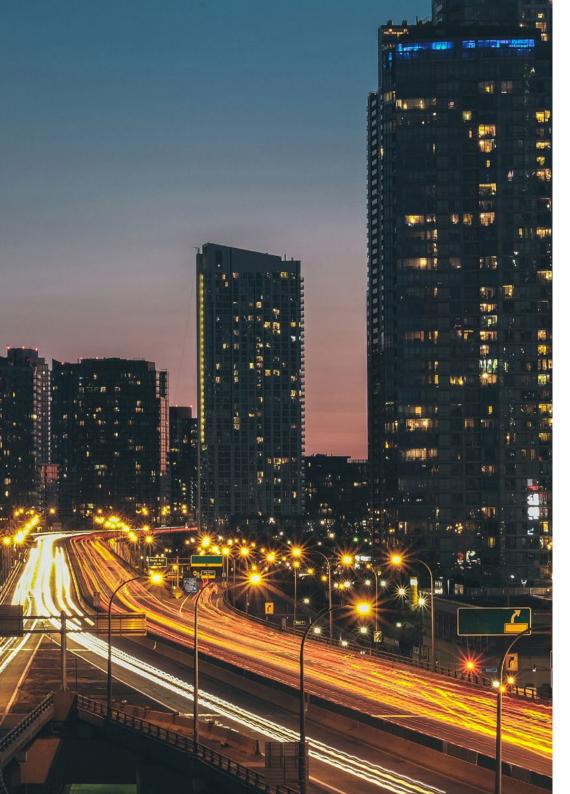
GGG TECH will put at your disposal centers of global prestige in relation to the applications of Breastfeeding, equipped with sanitary protocols and state-of-the-art techniques"

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## tech 44 | Where Can I Do the Clinical Internship?

The student will be able to complete the practical part of this Hybrid Professional Master's Degree at the following centers:





## Where Can I Do the Clinical Internship? | 45 tech



#### Hospital HM Sanchinarro

Country City Spain Madrid

Addres: Calle de Oña, 10, 28050, Madrid

Network of private clinics, hospitals and private specialized centers distributed throughout Spain

Related internship programs: - Anaesthesiology and Resuscitation - Palliative Care



#### Hospital HM Puerta del Sur

Country	City
Spain	Madrid

Addres: Av. Carlos V, 70, 28938, Móstoles, Madrid

Network of private clinics, hospitals and private specialized centers distributed throughout Spain

Related internship programs: - Palliative Care - Clinical Ophthalmology



#### Hospital HM Nuevo Belén

Country City Spain Madrid

Addres: Calle José Silva, 7, 28043, Madrid

Network of private clinics, hospitals and private specialized centers distributed throughout Spain

Related internship programs: - General and Digestive System Surgery - Clinical Nutrition in Medicine



#### Policlínico HM Cruz Verde

Country	City
Spain	Madrid

Addres: Plaza de la Cruz Verde, 1-3, 28807, Alcalá de Henares, Madrid

Network of private clinics, hospitals and private specialized centers distributed throughout Spain

Related internship programs: - Advanced Clinical Podiatry - Optical Technologies and Clinical Optometry

## tech 46 | Where Can I Do the Clinical Internship?

City

Madrid



#### Policlínico HM Distrito Telefónica

Country Spain

Addres: Ronda de la Comunicación,

28050, Madrid

Network of private clinics, hospitals and private specialized centers distributed throughout Spain

Related internship programs: - Optical Technologies and Clinical Optometry - General and Digestive System Surgery



#### Policlínico HM La Paloma

Country	City
Spain	Madric

Addres: Calle Hilados, 9, 28850, Torrejón de Ardoz, Madrid

Network of private clinics, hospitals and private specialized centers distributed throughout Spain

Related internship programs: - Advanced Operating Room Nursing - Orthodontics and Dentofacial Orthopedics



Country City Spain Madrid

Addres: C. de la Sierra de Atapuerca, 5, 28050, Madrid

Network of private clinics, hospitals and private specialized centers distributed throughout Spain

Related internship programs: Trauma Nursing - Diagnosis in Physiotherapy



## Where Can I Do the Clinical Internship? | 47 tech



#### Policlínico HM Moraleja

Country City Spain Madrid

Addres: P.º de Alcobendas, 10, 28109, Alcobendas, Madrid

Network of private clinics, hospitals and private specialized centers distributed throughout Spain

Related internship programs: - Rehabilitation Medicine in Acquired Brain Injury Management

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#### Policlínico HM Rosaleda Lalín

Country	City
Spain	Pontevedra

Addres: Av. Buenos Aires, 102, 36500, Lalín, Pontevedra

Network of private clinics, hospitals and private specialized centers distributed throughout Spain

Related internship programs: - Advances in Hematology and Hemotherapy -Neurological Physiotherapy



Country City Spain Madrid

Addres: Av. de Manoteras, 10, 28050, Madrid

Network of private clinics, hospitals and private specialized centers distributed throughout Spain

Related internship programs:



#### Policlínico HM Imi Toledo

Country	City
Spain	Toledo

Addres: Av. de Irlanda, 21, 45005, Toledo

Network of private clinics, hospitals and private specialized centers distributed throughout Spain

Related internship programs: - Electrotherapy in Rehabilitation Medicine - Hair Transplantation

# 09 **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.



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"

## tech 50 | Methodology

### At TECH we use the Case Method

What should a professional do in a given situation? 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. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning 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, trying to recreate the real conditions in the physician's professional 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:

 Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.

2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.

- 3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
- 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.



## tech 52 | Methodology

## **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 the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



## Methodology | 53 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, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. 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 54 | 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 highly specific and precise.

20%

15%

3%

15%

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.



#### **Surgical Techniques and Procedures on Video**

TECH introduces students to the latest techniques, the latest educational advances and 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 the videos as many times as you like.



#### **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.

## Methodology | 55 tech



### **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.

20%

7%

3%

17%



### **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 on the usefulness of learning by observing experts. The system known as 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.

## 10 **Certificate**

The Hybrid Professional Master's Degree in Breastfeeding guarantees students, in addition to the most rigorous and up-to-date education, access to a Hybrid Professional Master's Degree qualification issued by TECH Technological University.



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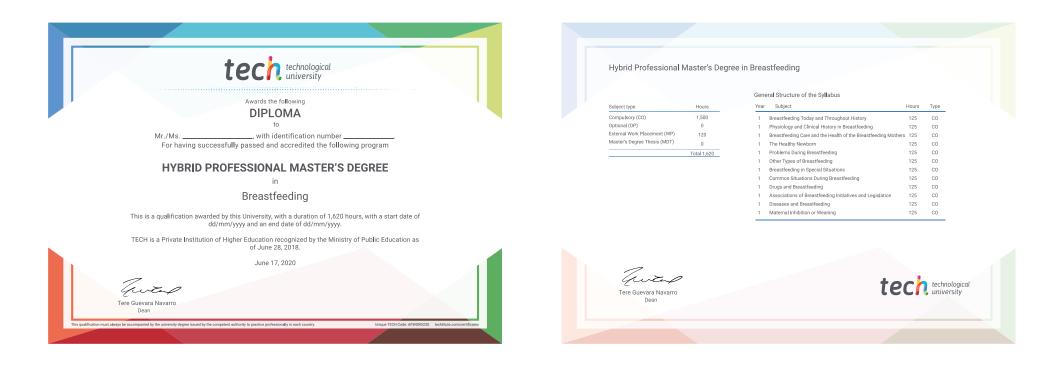
Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

## tech 58 | Certificate

This **Hybrid Professional Master's Degree in Breastfeeding** contains the most complete and up-to-date program on the professional and educational field.

After the student has passed the assessments, they will receive their corresponding Hybrid Professional Master's Degree diploma issued by TECH Technological University via tracked delivery\*. In addition to the diploma, students will be able to obtain an academic transcript, as well as a certificate outlining the contents of the program. In order to do so, students should contact their academic advisor, who will provide them with all the necessary information.

Title: Hybrid Professional Master's Degree in Breastfeeding Course Modality: Hybrid (Online + Clinical Internship) Duration: 12 months Certificate: TECH Technological University Teaching Hours: 1,620 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.

technological university Hybrid Professional Master's Degree Breastfeeding Course Modality: Hybrid (Online + Clinical Internship) Duration: 12 months Certificate: TECH Technological University Teaching Hours: 1,620 h.

## Hybrid Professional Master's Degree Breastfeeding

