

# Postgraduate Certificate Emergencies in the Newborn after Natural Childbirth for Midwives





## Postgraduate Certificate Emergencies in the Newborn after Natural Childbirth for Midwives

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

Website: [www.techtitude.com/us/nursing/postgraduate-certificate/emergencies-newborn-after-natural-childbirth-midwives](http://www.techtitude.com/us/nursing/postgraduate-certificate/emergencies-newborn-after-natural-childbirth-midwives)

# Index

01

Introduction

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*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Methodology

---

*p. 20*

06

Certificate

---

*p. 28*

# 01

# Introduction

Newborn care is an essential part of midwives' work. In this sense, they must be trained to recognize and treat emergencies that may arise, recognizing the warning signs and taking quick and effective measures to treat any problem, since emergencies in the newborn after Natural Childbirth can be serious and put the baby's life at risk. Therefore, it is essential that midwives remain updated in the methods of assessment, monitoring and resuscitation of the baby, therefore ensuring the rapid care of the newborn. For this reason, this program is the best and most avant-garde training, delivered 100% online, allowing its graduates to combine their learning with other areas of their personal and professional lives.





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*Don't miss the opportunity to be updated on the latest trends in emergency care for newborns and start this Postgraduate Certificate"*

Timely care in the first minutes after birth can save lives and prevent serious complications to the newborn. For this reason, the most modern methods of assessment and monitoring that exist should be used, which is why midwives must have constant training that allows them to ensure adequate and quality care for both newborns and their mothers.

Therefore, if the student wishes to acquire a complete update in this field and offer comprehensive care, this Postgraduate Certificate is the best option. This is because it is focused on providing innovative content that explains in detail the latest clinical trends in the treatment of the most common complications that occur most frequently in newborns. Additionally, it will delve into the management of the most modern treatments that should be implemented in case the newborn presents any problem.

This would be done through the study of an academic itinerary that has been structured by the best professionals in this sector and who are also part of the faculty of this program, so the student will be sure to receive a complete education in this field. Likewise, the syllabus will address the most frequently occurring emergencies such as neonatal hypoglycemia and the proper way to perform resuscitation of a newborn.

All this will be possible in a 100% online way thanks to the Relearning methodology that allows graduates to complete the studies of this program in this modality, so they will be able to learn from anywhere and at any time they prefer. Additionally, they will have access to a variety of multimedia resources, which will allow them to improve their problem-solving skills through the analysis of practical cases that simulate real situations.

This **Postgraduate Certificate in Emergencies in the Newborn after Natural Childbirth for Midwives** 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 Emergencies in the Newborn after Natural Childbirth for Midwives
- ◆ 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
- ◆ The practical exercises where the self-evaluation process can be carried out to improve learning
- ◆ Its special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



*You will delve into the most modern clinical techniques and build an advanced view of the field"*

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*You will identify risk factors in the initial evaluation of the newborn thanks to this 100% online academic program"*

The program's teaching staff includes professionals from the sector who contribute their work experience to this training program, as well as renowned specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning, that is, a simulated environment that will provide an immersive training programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

*This course contains the most innovative and updated resources on the identification of respiratory difficulties in the newborn.*

*Train yourself with the most innovative and effective methodology: TECH Relearning.*



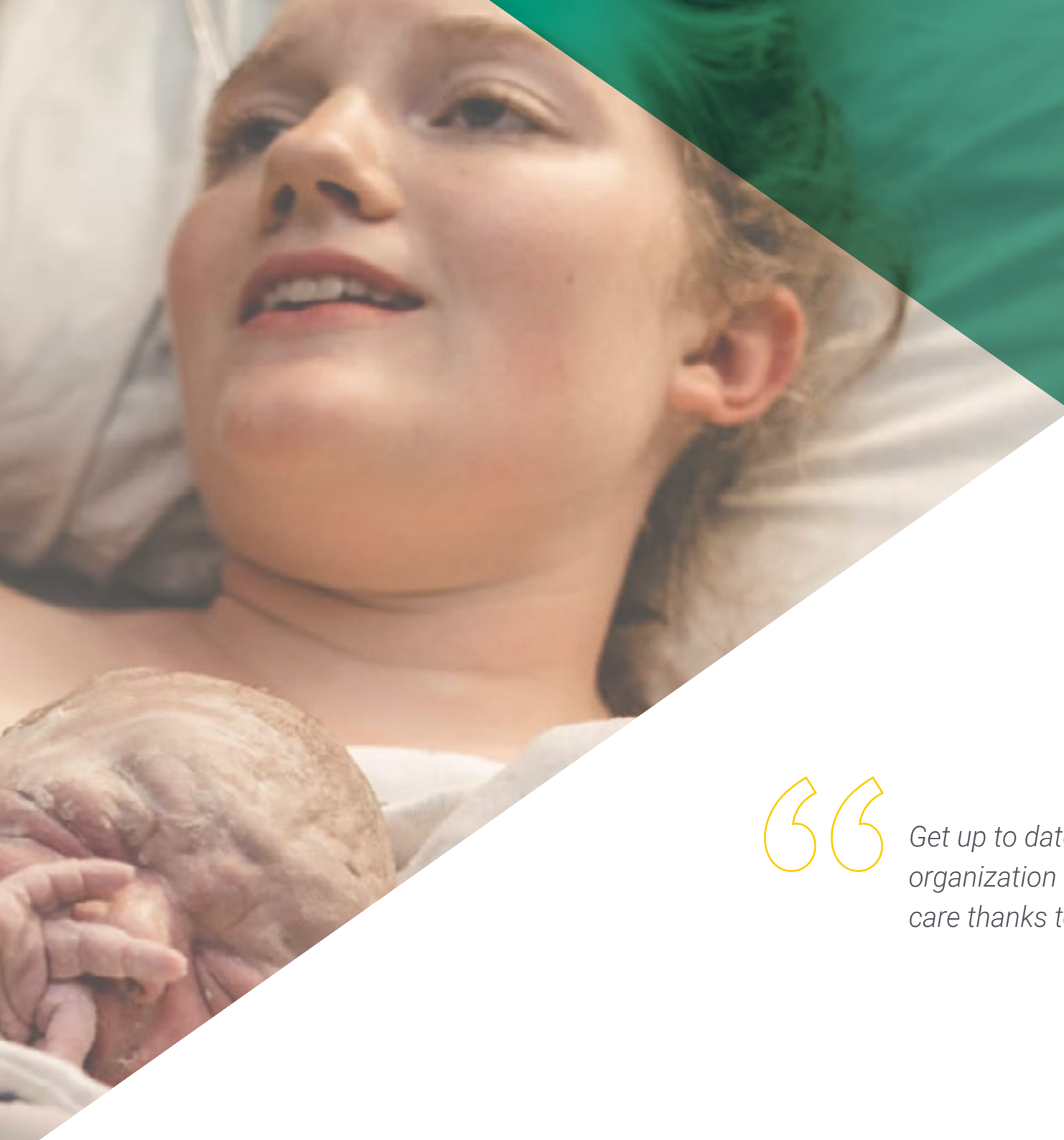
# 02

## Objectives

The primary objective of this program is to provide students with advanced knowledge in the management of Newborn Emergencies after Natural Childbirth for Midwives, which will allow them to acquire a better understanding of new clinical practices. Therefore, through a complete update, they will ensure full mastery of neonatal infections and cardiovascular emergencies. In this way you will be able to implement in your professional practice the most avant-garde tools in the management of the premature newborn and the initial stabilization and respiratory care required.







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*Get up to date in the protocols and organization of neonatal emergency care thanks to this exclusive program”*



## General Objectives

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- ◆ Acquire fundamental knowledge about the physiology of Natural Childbirth, ancestral cultural practices and the emotional needs of women during childbirth, as well as the implications of medical interventions
- ◆ Acquire essential skills and knowledge for the care of pregnant women and their fetuses, including the promotion of healthy pregnancies and the identification of possible complications
- ◆ Acquire fundamental knowledge and practical skills in newborn care, as well as the ability to provide comprehensive and safe care at this critical stage of life and how to collaborate with other health care professionals and families to ensure the well-being of the newborn
- ◆ Develop skills to provide comprehensive support and care to the mother during the postpartum period, including difficult and emotionally intense situations



*Update your skills in neonatal jaundice through the most innovative theoretical-practical methodology in the online academic market"*





## Specific Objectives

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- ◆ Perform an initial evaluation of the newborn, including Apgar assessment and identification of risk factors
- ◆ Analyze basic and advanced neonatal resuscitation techniques, such as bag-mask ventilation, cardiac massage, endotracheal intubation and administration of medications
- ◆ Delve into common respiratory conditions in newborns, such as Transient Tachypnea, Respiratory Distress Syndrome and Meconium Aspiration
- ◆ Identify Neonatal Hypoglycemia, including Capillary Glycemia measurement and long term follow up
- ◆ Evaluate neonatal jaundice, applying treatments such as Phototherapy and Exchange Transfusion
- ◆ Recognize neonatal infections, including Sepsis and Meningitis, and apply Prophylaxis and prevention measures
- ◆ Examine cardiovascular emergencies in the newborn, such as neonatal shock, congestive heart failure and patent ductus arteriosus
- ◆ Manage the care of the pre-term newborn, focusing on initial stabilization, nutrition and prevention of long-term complications
- ◆ Develop skills in team preparation and teamwork, effective communication between professionals and follow-up and referral to specialized services in neonatal emergencies

03

# Course Management

In order to provide a quality education to its students and ensure an optimal learning experience, TECH has carefully selected the teaching staff for this program. In this way, participants will learn from the best prepared professionals in the field, who will share the most current practices and protocols that allow them to efficiently attend to the most frequent complications that occur after the birth of a newborn.





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*Learn from the best experts in this field and acquire a specialized update on the latest developments in the field of Emergency Care of the Newborn"*

## Management



### Dr. Santos Leal, Emilio

- Medical Director of the International Medical Technology Center
- Specialist Doctor at Fundación Alcorcón University Hospital
- Medical Specialist in Consortium Valencia General University Hospital
- Medical specialist at Pius Hospital de Valls
- Medical specialist at Clínica Perpetuo Socorro
- Specialty in Gynecology and Obstetrics by Hospital Clínico San Carlos
- Degree in Medicine and Surgery from the University of Cantabria



## Professors

### Dr. Espinosa Barraión, José Ángel

- ◆ Director of the Affective Childbirth Unit at the Hospital San Francisco de Asís
- ◆ Head of the Obstetrics and General Gynecology Team at Hospital San Francisco de Asís
- ◆ Specialist in Gynecology and Obstetrics at Clínica de la Concepción
- ◆ Master's Degree in Minimally Invasive Surgery in Gynecology from the Universidad Cardenal Herrera
- ◆ Degree in Medicine and Surgery from the Universidad Autónoma de Madrid

### Ms. García García, María Dolores

- ◆ Midwife in Specialized Care at the Hospital General Universitario de Valencia
- ◆ Master's Degree in Business Management from the Universidad Católica San Antonio de Murcia
- ◆ Master's Degree in Bioethics from the Universidad Católica San Antonio de Murcia
- ◆ Expert in Breastfeeding Advice and Consultancy, Universidad Católica de Ávila
- ◆ Degree in Nursing, specializing in Midwifery

### Ms. Lanza del Rivero, Cristina

- ◆ Field Psychologist at Casa de la Salud
- ◆ Postgraduate in Theory and Practice of Psychodrama, Sociodrama and Sociometry at the Universidad de Salamanca
- ◆ Postgraduate in Theory and Practice of Group Analysis at the Universidad de Salamanca
- ◆ Master's Degree in Behavior Modification from the Universidad de Salamanca
- ◆ Degree in Psychology from the Universidad de Salamanca

# 04

## Structure and Content

Having the most advanced techniques in newborn care is an obligation for midwives and therefore, this Postgraduate Certificate course has an academic itinerary carried out by the best experts in this field. In this way, the participants will acquire a complete update on the latest clinical practices and the most modern procedures that allow them to urgently assist any type of complication presented by the newborn.





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*The course will provide an in-depth study of the most up-to-date techniques in neonatal resuscitation and will review the performance of constant monitoring in these cases"*

## Module 1. Emergencias of the New-Born

- 1.1. Initial Newborn Screening
  - 1.1.1. Apgar Assessment
  - 1.1.2. Vital Signs and Physical Examination
  - 1.1.3. Identification of Risk Factors
  - 1.1.4. Immediate Stabilization
- 1.2. Basic Neonatal Resuscitation
  - 1.2.1. Positioning and Patency of Airways
  - 1.2.2. Bag-Mask Ventilation
  - 1.2.3. Cardiac Massage
  - 1.2.4. Monitoring and Adjustment of Resuscitation
- 1.3. Advanced Neonatal Resuscitation
  - 1.3.1. Endotracheal Intubation
  - 1.3.2. Medication administration
  - 1.3.3. Umbilical Vascular Access
  - 1.3.4. Defibrillation and Advanced Techniques
- 1.4. Respiratory Difficulties in Newborns
  - 1.4.1. Transient Tachypnea of the Newborn
  - 1.4.2. Respiratory Distress Syndrome
  - 1.4.3. Meconium Aspiration
  - 1.4.4. Persistent Pulmonary Hypertension
- 1.5. Neonatal Hypoglycemia
  - 1.5.1. Risk Factors and Symptoms
  - 1.5.2. Capillary Blood Glucose Measurement
  - 1.5.3. Treatment and Prevention
  - 1.5.4. Long-Term Monitoring and Control
- 1.6. Neonatal Jaundice
  - 1.6.1. Etiology and Pathophysiology
  - 1.6.2. Clinical Assessment and Diagnosis
  - 1.6.3. Treatment: Phototherapy and Exchange Transfusion
  - 1.6.4. Prevention and Monitoring





- 1.7. Neonatal Infections
  - 1.7.1. Early and Late Sepsis
  - 1.7.2. Neonatal Meningitis
  - 1.7.3. Prophylaxis and Antibiotic Treatment
  - 1.7.4. Immunization and Infection Prevention
- 1.8. Cardiovascular Emergencies in the Newborn
  - 1.8.1. Neonatal Shock
  - 1.8.2. Congestive Heart Failure
  - 1.8.3. Persistent Ductus Arteriosus
- 1.9. Management of the Premature Newborn
  - 1.9.1. Initial Stabilization and Respiratory Care
  - 1.9.2. Nutrition and Growth
  - 1.9.3. Prevention of Long-Term Complications
- 1.10. Protocols and Organization in the Care of Neonatal Emergencies
  - 1.10.1. Preparation and Teamwork
  - 1.10.2. Effective Communication Between Professionals
  - 1.10.3. Follow-Up and Referral to Specialized Services

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*The Relearning methodology will make your learning an enriching experience, full of innovative and didactic contents”*

# 05

# Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.





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

## At TECH Nursing School we use the Case Method

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

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



According to Dr. 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.

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

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

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



## Relearning Methodology

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

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



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



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

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

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

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

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



This program offers the best educational material, prepared with professionals in mind:



### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is really specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



### Nursing Techniques and Procedures on Video

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



### Interactive Summaries

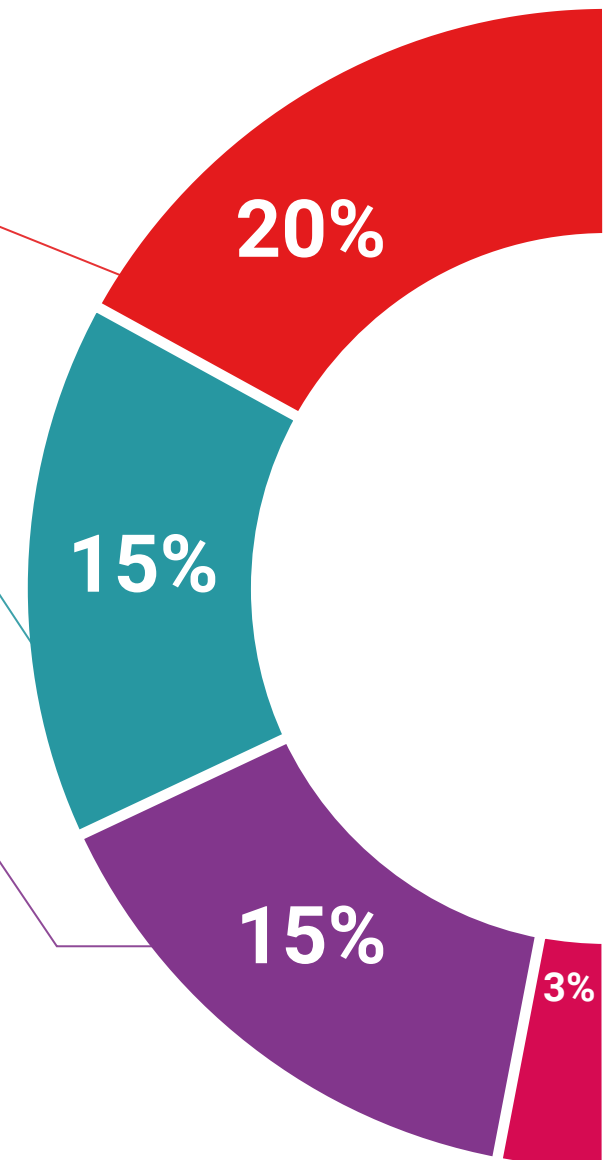
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

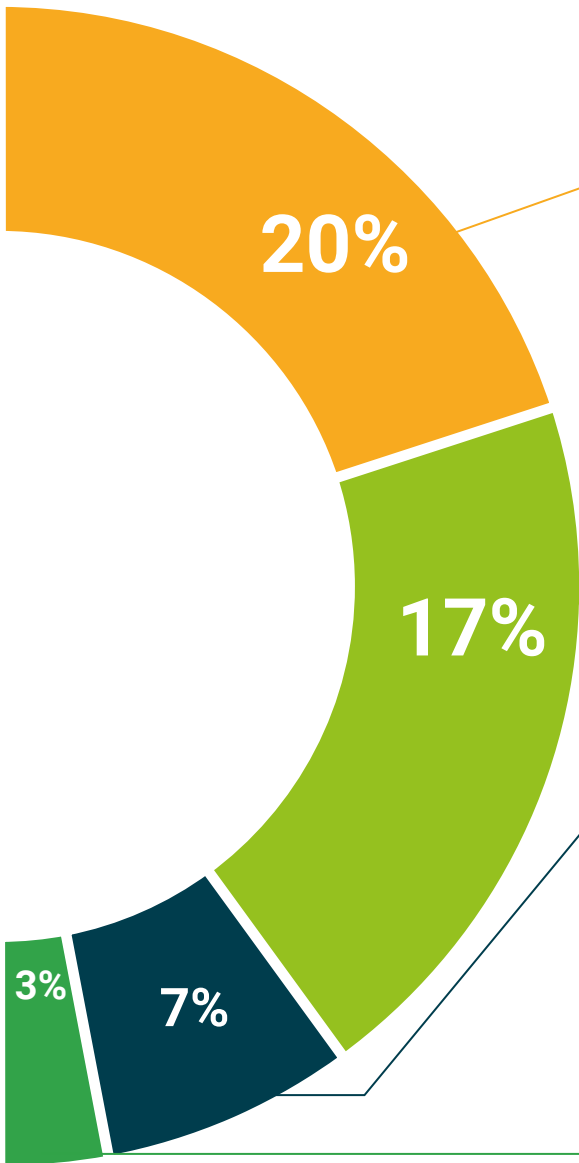
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence suggesting that observing third-party experts can be useful.  
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



#### Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



06

# Certificate

The Postgraduate Certificate in Emergencies in the Newborn after Natural Childbirth for Midwives guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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

This program will allow you to obtain your **Postgraduate Certificate in Emergencies in the Newborn after Natural Childbirth for Midwives** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Emergencies in the Newborn after Natural Childbirth for Midwives**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





**Postgraduate Certificate**  
Emergencies in the Newborn  
after Natural Childbirth  
for Midwives

- » Modality: **online**
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- » Credits: **6 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**

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