

# Postgraduate Diploma

Major Pathologies and  
Deviations from Normality  
in Childbirth and Postpartum  
for Nursing





## Postgraduate Diploma

### Major Pathologies and Deviations from Normality in Childbirth and Postpartum for Nursing

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

Website: [www.techtute.com/in/nursing/postgraduate-diploma/postgraduate-diploma-major-pathologies-deviations-normality-childbirth-postpartum-nursing](http://www.techtute.com/in/nursing/postgraduate-diploma/postgraduate-diploma-major-pathologies-deviations-normality-childbirth-postpartum-nursing)

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# 01

# Introduction

Pathology in pregnancy is one of the basic pillars of obstetrics and research. Numerous protocols have changed radically in recent years due to technological advances and new research. With this complete Postgraduate Diploma, the students will be able to incorporate the most up to date knowledge in this area, considerably improving their capacity and efficiency in health care.





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*The most complete training in Major Pathologies and Deviations from Normality in Childbirth and Postpartum for Nursing, from the entire teaching market: a comprehensive and complete Postgraduate Diploma, unique in its specialty"*

More than 25% of neonates are born by instrumental delivery or cesarean section. Therefore, knowledge of all the facets involved in this subject is fundamental in this Postgraduate Diploma. The best references will be incorporated so that the student can make an exhaustive study and integrate new knowledge.

Topics such as labor inductions and premature rupture of membranes, chapters in constant revision and change of protocols thanks to new studies and reviews, are also incorporated.

It will also be studied in this Postgraduate Diploma Streptococo B positive in screening gestation and its treatment, another point in which nurses must be fully trained, since it is they who administer the medication, take samples and receive the pregnant woman in the emergency units.

In addition, two of the pathologies par excellence in terms of pregnancy are treated: diabetes and hypertensive states of pregnancy.

The different hypertensive pathologies in pregnancy will be dealt with in an extensive but concise way, making clear the concepts so that the student knows how to differentiate the stages of each one of them.

Neonatal knowledge will also be integrated within each pathology, as all of them directly interfere in fetal development and consequently in their neonatal needs.

This module also deals with fetal death, one of the most important medical and psychological management issues, due to the maternal repercussions it can have.

Finally, gynecological cancer during pregnancy will also be discussed, since these cancers are becoming more and more prevalent in young people and therefore of childbearing age, and because it is a subject that involves important ethical and legal aspects.

It also incorporates the problems with breastfeeding, so in vogue its study at the present time and, in particular, the psychological and psychiatric problems of pregnancy, as important or more than physical and in which the nursing professional has a fundamental work. In the psychological aspect often lack information and training, so this course will provide sufficient knowledge for a suitable approach by the Nursing professional.

This **Postgraduate Diploma in Major Pathologies and Deviations from Normality in Childbirth and Postpartum for Nursing** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Latest technology in online teaching software
- ♦ Highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand
- ♦ Practical cases presented by practicing experts
- ♦ State-of-the-art interactive video systems
- ♦ Teaching supported by telepractice
- ♦ Continuous updating and recycling systems
- ♦ Self-regulating learning: full compatibility with other occupations
- ♦ Practical exercises for self-evaluation and learning verification
- ♦ Support groups and educational synergies: questions to the expert, debate and knowledge forums
- ♦ Communication with the teacher and individual reflection work
- ♦ Content that is accessible from any fixed or portable device with an Internet connection
- ♦ Supplementary documentation databases are permanently available, even after the course



*Become a highly qualified professional with this unique Postgraduate Diploma in Major Pathologies and Deviations from Normality in Childbirth and Postpartum for Nursing"*



*Get a complete and adequate qualification in Postgraduate Diploma in Major Pathologies and Deviations from Normality in Childbirth and Postpartum for Nursing, with this program of high formative efficiency and open new paths to your professional progress”*

Our teaching staff is made up of professionals from different fields related to this specialty. In this way, we ensure that we provide you with the educational update we are aiming for. A multidisciplinary team of professionals trained and experienced in different environments, who will cover the theoretical knowledge in an efficient way, but, above all, will put the practical knowledge derived from their own experience at the service of the course: one of the differential qualities of this course.

This mastery of the subject is complemented by the effectiveness of the methodological design of this Postgraduate Diploma in Major Pathologies and Deviations from Normality in Childbirth and Postpartum for Nursing, developed by a multidisciplinary team of experts in e-learning, integrating the latest advances in educational technology. This way, you will be able to study with a range of comfortable and versatile multimedia tools that will give you the operability you need in your training.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely, we will use telepractice: with the help of an innovative interactive video system, and learning from an expert, you will be able to acquire the knowledge as if you were actually dealing with the scenario you are learning about. A concept that will allow you to integrate and fix learning in a more realistic and permanent way.

*A Postgraduate Diploma that will enable you to face the most complex situations with the solvency of a high-level professional.*

*With the experience of experienced practitioners who will contribute their expertise in this area to the program, making this training a unique opportunity for professional growth.*



# 02 Objectives

Our objective is to train highly qualified professionals for work experience. An objective that is complemented, moreover, in a global manner, by promoting human development that lays the foundations for a better society. This objective is focused on helping medical professionals reach a much higher level of expertise and control. A goal that, in just six months, you will be able to achieve with a highly intensive and precise course.







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*If your objective is to broaden your skills set to include new paths of success and development, this is the course for you: training that aspires to excellence”*



## General Objectives

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- The student will learn to manage and perform instrumental deliveries and cesarean sections
- You will learn the factors to take into account during abnormal deliveries, such as breech deliveries or deliveries with a previous cesarean section
- Know the different ways of initiating labor, such as premature rupture of membranes and induction
- The student will learn in depth about the hypertensive pathology of pregnancy, as well as the most serious complications derived from it
- Training will also be provided in endocrine pathology, with emphasis on those that most affect pregnancy: diabetes and thyroid pathology
- The main gynecological cancers in pregnancy will be studied
- The student will study problems related to the postpartum period, including infections and hemorrhages
- The student will study the complications associated with breastfeeding
- Students will also learn about legal abortion in our country and its implications



*A way of training and professional growth that will also provide you with greater competitiveness in the labor market”*





## Specific Objectives

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### **Module 1. Variations in Normal Delivery and the Onset of Labor. Mother Carrying Group B Streptococcus B**

- ♦ An exhaustive knowledge of the different ways of initiating labor, whether spontaneous, induced or by premature rupture of membranes, is essential in the nurses' work, since all pregnant women will go through this process
- ♦ Learning about non-eutocic deliveries is of utmost importance for nurses in order to have the skills and knowledge to refer patients and advise obstetricians in an optimal manner
- ♦ Training on the main protocols in relation to pregnant women carrying group B streptococcus during the third trimester of pregnancy, since nurses are responsible for collecting samples, administering medication and performing the subsequent relevant neonatal care

### **Module 2. Endocrine Problems during Pregnancy. Gynecologic Cancer and Pregnancy. Hypertensive States of Pregnancy**

- ♦ To know everything related to preeclampsia, the new protocols for prediction, prevention, treatment and diagnosis
- ♦ Learn about the management of the severe complications of preeclampsia, which are per se obstetric emergencies, so professionals must be equipped with the best and most updated knowledge
- ♦ Update the management of diabetes, since nursing professionals are the competent professionals to carry out an adequate follow-up during pregnancy, delivery and postpartum of patients and neonates of diabetic mothers
- ♦ Have an in-depth knowledge of gynecological-oncological issues in pregnant women, as more and more patients are suffering from these pathologies, and for whom it is essential to follow protocols based on the best evidence

03

# Course Management

For our course to be of the highest quality, we are proud to work with a teaching staff of the highest level, chosen for their proven track record. Professionals from different areas and fields of expertise that make up a complete, multidisciplinary team. A unique opportunity to learn from the best.





*Learn from leading practitioners, the latest advances in procedures in the field of Major Pathologies and Deviations from Normality in Childbirth and Postpartum for Nursing"*

## Management



**Ms. Hernando Orejudo, Isabel**

- ♦ Nurse from the Autonomous University of Madrid. Midwife in Hospital in San Carlos Clinical Hospital

## Professors



**Ms. De Miguel González, María José**

- ♦ Midwife. Currently a midwife at Hospital San Carlos



**Ms. De la Torre Arandilla, Ana**

- ♦ Midwife. Currently a midwife at the University Hospital Puerta de Hierro and Hospital la Milagrosa



**Ms. Hernández Lachehab, Sonia**

♦ Midwife. Currently a nurse at SAR Meco



**Mr. Márquez Espinar, Gumersindo**

♦ Midwife and podiatrist. Currently a midwife at Hospital San Carlos

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*An impressive teaching staff, made up of practicing professionals, will be in charge of accompanying you throughout your training: a unique occasion not to be missed”*

# 04

# Structure and Content

The contents of this Postgraduate Diploma have been developed by the different experts on this course with a clear purpose: to ensure that our students acquire each and every one of the necessary skills to become true experts in this field.

A complete and well-structured program that will take you to the highest standards of quality and success.





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*A comprehensive teaching program,  
structured in well-developed teaching units,  
oriented towards learning that is compatible  
with your personal and professional life"*

**Module 1. Variations in normal delivery and onset of labor. Mother Carrying Group B Streptococcus B**

- 1.1. Instrumental Delivery
  - 1.1.1. Concept
  - 1.1.2. Indications
  - 1.1.3. Contraindications
  - 1.1.4. Criteria for using the Different Instruments
    - 1.1.4.1. Forceps
    - 1.1.4.2. Thierry Spatulas
    - 1.1.4.3. Cupping
- 1.2. Breech Delivery
  - 1.2.1. Concept
  - 1.2.2. Classification
  - 1.2.3. Etiology
  - 1.2.4. Diagnosis
  - 1.2.5. Vaginal Delivery Criteria and Management
- 1.3. Vaginal Delivery after Cesarean Section
  - 1.3.1. Choice of Delivery Route
  - 1.3.2. Contraindications for Vaginal Delivery with Previous Cesarean Section
  - 1.3.3. Planned Cesarean
  - 1.3.4. Labor Induction
- 1.4. Obstetric Anal Sphincter Injuries
  - 1.4.1. Prevention
  - 1.4.2. Classification
    - 1.4.2.1. Third Degree Tear
    - 1.4.2.2. Fourth Degree Tear
  - 1.4.3. Reparation of Perineal Tears
  - 1.4.4. Follow-up and Delivery after Anal Sphincter Injury



- 1.5. Cesarean Section
  - 1.5.1. Indications
  - 1.5.2. Classification
  - 1.5.3. Cesarean Section Considerations
  - 1.5.4. Surgical Technique
  - 1.5.5. Post-Operative Care
- 1.6. External Cephalic Version
  - 1.6.1. Concept
  - 1.6.2. Indications
  - 1.6.3. Contraindications
  - 1.6.4. Complete Technique and Procedure
  - 1.6.5. Complications
- 1.7. Cervical Ripening and Induction of Labor
  - 1.7.1. Concept
  - 1.7.2. Indications
  - 1.7.3. Contraindications
  - 1.7.4. Risks from Induction
  - 1.7.5. Methods to Labor
    - 1.7.5.1. Pharmacological Methods
    - 1.7.5.2. Non-Pharmacological Methods
- 1.8. Fetal Hydrops
  - 1.8.1. Concept
    - 1.8.1.1. Immune Hydrops
    - 1.8.1.2. Non-Immune Hydrops
  - 1.8.2. Pathophysiology
  - 1.8.3. Diagnosis
  - 1.8.4. Clinical Management
- 1.9. Mother Carrying Group B Streptococcus B(SGB)
  - 1.9.1. Concept
  - 1.9.2. Sample Collecting and Screening
  - 1.9.3. Treatment
  - 1.9.4. Management of Newborns of Mothers who are Carriers of GBS

- 1.10. Premature Rupture of Membranes
  - 1.10.1. Etiology
  - 1.10.2. Diagnosis
  - 1.10.3. Preterm Premature Rupture of Membranes
  - 1.10.4. Full-term Premature Rupture of Membranes

## Module 2. Endocrine Problems during Pregnancy. Gynecologic Cancer and Pregnancy. Hypertensive States of Pregnancy

- 2.1. Thyroid Pathology and Gestation
  - 2.1.1. Hypothyroidism
    - 2.1.1.1. Diagnosis
    - 2.1.1.2. Clinical Symptoms
    - 2.1.1.3. Etiology
    - 2.1.1.4. Clinical Management
  - 2.1.2. Hyperthyroidism and Thyrotoxicosis
    - 2.1.2.1. Diagnosis
    - 2.1.2.2. Clinical Symptoms
    - 2.1.2.3. Etiology
    - 2.1.2.4. Clinical Management
  - 2.1.3. Treatment during Gestation
  - 2.1.4. Effects on the Fetus
- 2.2. Diabetes Mellitus and Pregnancy
  - 2.2.1. Pregestational Management
  - 2.2.2. Gestational Screening
  - 2.2.3. Criteria for the Termination of Pregnancy
  - 2.2.4. Considerations during Labor
  - 2.2.5. Newborn from a Mother with Diabetes Mellitus

- 2.3. Gestational Diabetes
  - 2.3.1 Definition
  - 2.3.2. Risk Factors
  - 2.3.3. Diagnosis and Screening Protocol
  - 2.3.4. Gestational Screening
  - 2.3.5. Criteria for the Termination of Pregnancy
  - 2.3.6. Clinical Management during Labor and Post-partum
  - 2.3.7. Newborn from a Mother with Gestational Diabetes
- 2.4. Obesity and Pregnancy
  - 2.4.1. Definition and Classification of Obesity
  - 2.4.2. Impact of Obesity on Gestation
  - 2.4.3. Impact of Gestation on Obesity
  - 2.4.4. Obese Women and the Postpartum Period
- 2.5. Breast Cancer and Pregnancy
  - 2.5.1. Concept and Epidemiology
  - 2.5.2. Diagnosis
  - 2.5.3. Treatment
  - 2.5.4. Prognosis
- 2.6. Cervical Cancer and Pregnancy
  - 2.6.1. Concept and Epidemiology
  - 2.6.2. Cytology in Gestation
  - 2.6.3. Colposcopy in Gestation
  - 2.6.4. Diagnosis and Treatment
- 2.7. Ovarian Cancer and Pregnancy
  - 2.7.1. Concept and Epidemiology
  - 2.7.2. Clinical Symptoms
  - 2.7.3. Diagnosis
  - 2.7.4. Treatment
- 2.8. Hypertensive States of Pregnancy (I)
  - 2.8.1. Concept
  - 2.8.2. Classification of Hypertension in Pregnancy
  - 2.8.3. Determination of the Degree of Severity
  - 2.8.4. Prediction and Prevention
  - 2.8.5. Treatment and Clinical Management
  - 2.8.6. Criteria for the Termination of Pregnancy
- 2.9. Hypertensive states of Pregnancy (II)
  - 2.9.1. Eclampsia
    - 2.9.1.1. Diagnosis
    - 2.9.1.2. Clinical Management and Treatment
  - 2.9.2. Hellp's Syndrome
    - 2.9.2.1. Diagnosis
    - 2.9.2.2. Clinical Management and Treatment
  - 2.9.3. Subsequent Follow-up of Pregnant Women with Hypertension Problems
- 2.10. Antepartum Fetal Death
  - 2.10.1. Concept
  - 2.10.2. Classification
  - 2.10.3. Etiological Factors
  - 2.10.4. Diagnosis
  - 2.10.5. Clinical and Psychological Management (covered in module 10)
  - 2.10.6. Follow-up Genetic Counseling



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



# 05

# Methodology

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

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





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

## At TECH Nursing School we use the Case Method

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

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



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, in an attempt to recreate the real conditions in professional nursing practice.



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

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

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



## Relearning Methodology

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

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



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

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

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

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

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

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



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



### Study Material

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

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



### Nursing Techniques and Procedures on Video

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



### Interactive Summaries

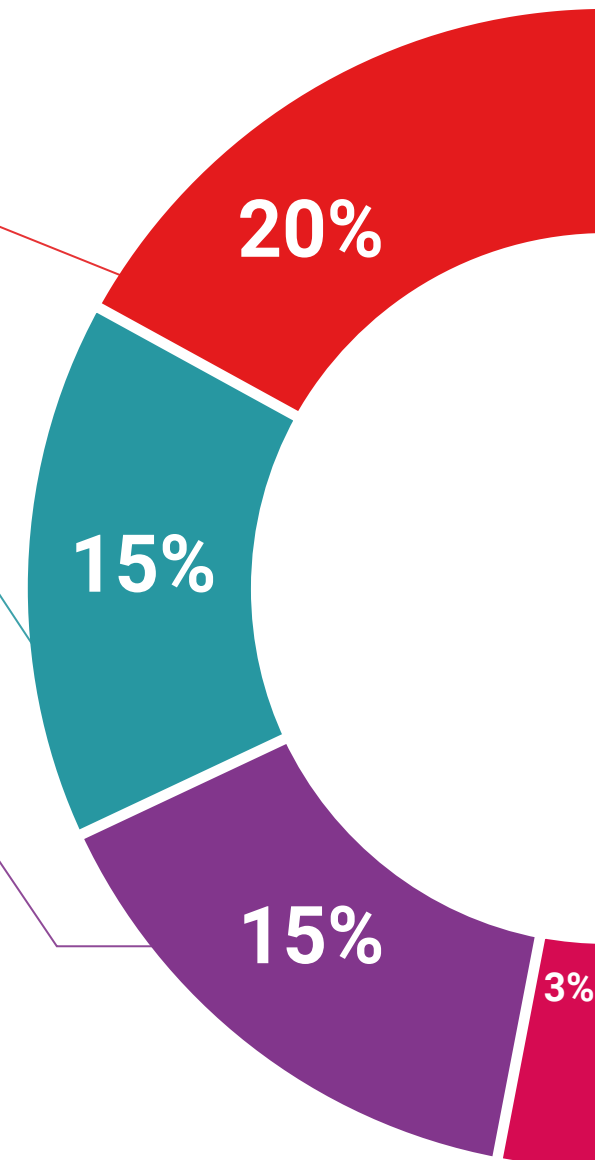
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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



### Additional Reading

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





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

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



#### Testing & Retesting

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



#### Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



#### Quick Action Guides

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



06

# Certificate

The Postgraduate Diploma in Major Pathologies and Deviations from Normality in Childbirth and Postpartum for Nursing guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.





*Include in your training a Postgraduate Diploma in Major Pathologies and Deviations from Normality in Childbirth and Postpartum for Nursing: a highly qualified added value for any practitioner in this area"*

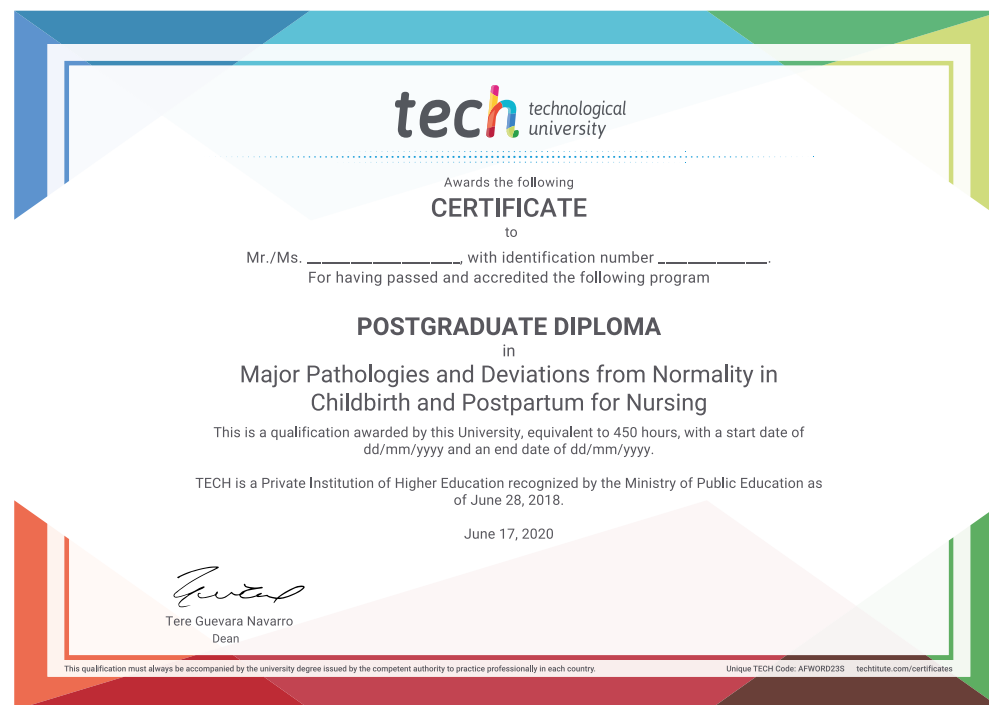
This **Postgraduate Diploma in Major Pathologies and Deviations from Normality in Childbirth and Postpartum for Nursing** contains the most complete and up-to-date scientific on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery\*.

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

Title: **Postgraduate Diploma in Major Pathologies and Deviations from Normality in Childbirth and Postpartum for Nursing**

Official N° of Hours: **450 h.**



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





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- » Modality: **online**
- » Duration: **6 months**
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- » Dedication: **16h/week**
- » Schedule: **at your own pace**
- » Exams: **online**

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