Postgraduate Certificate
Cerebrovascular diseases for Nursing

tech technological university

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Cerebrovascular diseases for Nursing

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

Website: **www.techtitute.com/us/nursing/postgraduate-certificate/cerebrovascular-diseases-nursing**

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01
Introduction

Nursing care of neurological patients with cerebrovascular disease is one of the most common care programs encountered by nurses in their daily practice, making a program such as this one essential for professionals in this area. Thus, this curriculum proposes specific knowledge on stroke, the most frequent cardiovascular disease; neurorehabilitation, whose influence on the autonomy of patients has been demonstrated, and, finally, delves into the most up-to-date treatments and specific nursing care in cerebrovascular pathologies. However, this program is designed to provide the latest advances and developments in treatment and nursing care for the different pathologies presented.

"

Deepen your knowledge of the most updated treatments and specific nursing care in existing cerebrovascular pathologies by taking this TECH program"

This program includes the study of the different cerebrovascular diseases that exist and their incidence in the morbimortality of the population, taking into account that the most frequent cerebrovascular disease is stroke, which is the cause of greatest disability in adults and the first cause of mortality in women and the second in the Spanish population. Therefore, strokes will be defined according to their location and etiology, talking about cerebral hemorrhages, cerebral venous thrombosis, cerebrovascular syndromes and transient ischemic attacks.

It will also address a fundamental issue when suffering a stroke, which is neurorehabilitation. Which are the most updated treatments and how it influences in increasing the capacity of independence of the affected patient will be one of the objectives of this Postgraduate Certificate.

Finally, the syllabus defines the most updated treatments and specific nursing care in cerebrovascular pathologies, in such a way that this knowledge is integrated to be able to perform a specific assessment by functional patterns and diagnose according to NANDA taxonomy, planning outcome criteria based on NOC taxonomy and nursing interventions in accordance with NIC taxonomy.

In addition, as it is a 100% online Postgraduate Certificate, it provides the student with the ease of being able to take it comfortably, wherever and whenever the student chooses All you need is a device with internet access to take your career one step further. A modality according to the current times with all the guarantees to position the nurse in a highly demanded area.

This **Postgraduate Certificate in Cerebrovascular Diseases for Nurses** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- Development of more than 100 case studies presented by experts in neurological nursing. Its graphic, schematic and eminently practical contents, which are designed to provide essential scientific and assistance information for professional practice
- Latest developments in neurological nursing
- Contains practical exercises
- Theoretical lessons, questions to the expert and clinical cases for individual reflection
- Content that is accessible from any fixed or portable device with an Internet connection
- Multimedia content developed with the latest educational technology, which will allow the professional a situated and contextual learning, i.e. a simulated environment that will provide an immersive learning programmed to train in real situations

Increase your chances of professional success by specializing in a certain area. With this Postgraduate Certificate in Cerebrovascular Diseases for Nurses you will enhance your academic career"

Learn more with this program about cerebral venous thrombosis, cerebrovascular syndromes and transient ischemic attacks to treat each case with health excellence and absolute rigor"

Earn this TECH degree and you'll become a nursing professional focused on cerebrovascular disease care.

Dedicate yourself to the care of patients who have suffered a stroke and cerebral hemorrhages and boost your career in a highly demanded sector in their hospital units.

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.

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

The design of this program focuses on Problem-Based learning, by means of which the professional must try to solve the different situations of professional practice that arise throughout the academic program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts.

02
Objectives

The Postgraduate Certificate in Cerebrovascular Diseases for Nurses is aimed at facilitating the performance of nurses dedicated to the treatment and care of patients with these pathologies, with special focus on stroke, cerebral hemorrhages, cerebral venous thrombosis, cerebrovascular syndromes and transient ischemic attacks. This requires the nurse to have a high level of competence and training to avoid possible complications and improve the patient's level of self-care.

With this Postgraduate Certificate, the professional will be trained in the treatment required by patients in this area, with rigor and professionalism, in order to achieve the following proposed objectives, distributed in general and specific, for greater satisfaction of the future graduate on the way to his or her professional goal.

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" *You will gain in-depth knowledge of specific cerebrovascular disease nursing care and position yourself professionally"*

General Objectives

- Learn and integrate general nursing care in the main neurological pathologies

- Perform standardized care plans, acquiring knowledge on how to perform nursing assessments according to functional patterns and use NANDA-NIC-NOC nursing taxonomy for care planning and evaluation

- Acquire knowledge and fundamentals of the pathophysiology of cerebrovascular diseases, epilepsy, movement disorders, multiple sclerosis, dementia, headache, neuromuscular diseases, neurological oncology and CNS infectious diseases and integrate them into nursing practice

- Understand the Necessary Knowledge in Physiopathology of Neurological Diseases

- Have an In-depth Knowledge of the Most Up-to-date Basic Medical-Surgical Treatments

- In-depth knowledge of diagnostic taxonomy to formulate nursing diagnoses, outcome criteria and nursing interventions

Specific Objectives

- Contribute to and expand knowledge in cerebrovascular diseases
- Update knowledge in acute ischemic and hemorrhagic stroke
- Study knowledge of cerebral venous thrombosis and cerebrovascular syndromes
- Have an in-depth knowledge of the specific nursing care of cerebrovascular diseases
- Integrate nursing care into daily practice by following standardized care plans according to nursing taxonomies

You will learn and expand your knowledge of ischemic and acute hemorrhagic stroke, two similar conditions whose diagnosis will make a difference"

03
Course Management

In its maxim of offering an elite education for all, TECH relies on renowned professionals to provide the student with a solid knowledge in the nursing-focused specialty of cerebrovascular diseases. For this reason, this Postgraduate Certificate has a highly qualified team with extensive experience in the sector, which will offer the best tools for the student in the development of their skills during the Postgraduate Certificate. In this way, the student has the guarantees required to specialize in an environment that requires precision and determination, oriented to the well-being and improvement of the patient, with full attention to their evolution.

"
Learn from the best: TECH offers you a program designed by specialists with extensive experience in Cerebrovascular Diseases for Nurses"

Management

Dr. Cano Manchón, Antonio Rafael

- Nursing Supervisor of the Neurology-Neurosurgery- Stroke Unit at the University Hospital La Princesa
- Associate Professor of the Faculty of Nursing at the Autonomous University of Madrid, belonging to the Faculty of Medicine
- Degree in Nursing

Professors

Ms. Belascoaín Gómez, María Rocío
- Nurse Assistant in the Neurology-Neurosurgery- Stroke Unit of the University Hospital La Princesa
- Advanced Practice Nurse in Headache and Dementia Nursing Specialty Practice
- Degree in Nursing

Ms. Fernández Quiñones, Eva
- Nurse Assistant in the Neurology-Neurosurgery- Stroke Unit of the University Hospital La Princesa
- Nurse Practitioner in Vascular Neurology Nursing Care
- Clinical Collaborator Autonomous University of Madrid
- Degree in Nursing

Ms. González García, Beatriz
- Nurse Assistant in the Neurology-Neurosurgery- Stroke Unit of the University Hospital La Princesa
- Advanced Practice Nurse Practitioner in Movement Disorders and Parkinson's Disease Specialty Nursing Practice Degree in Nursing

Ms. Sanz de la Plaza, Carmen
- Nurse Assistant in the Neurology-Neurosurgery- Stroke Unit of the University Hospital La Princesa
- Nurse Expert in Neuroncology Nursing Care
- Degree in Nursing

Mr. Del Río Muñoz, Beatriz
- Nurse Assistant in the Neurology-Neurosurgery- Stroke Unit of the University Hospital La Princesa
- Advanced Practice Nurse Practitioner in Multiple Sclerosis and Demyelinating Diseases Nursing Practice
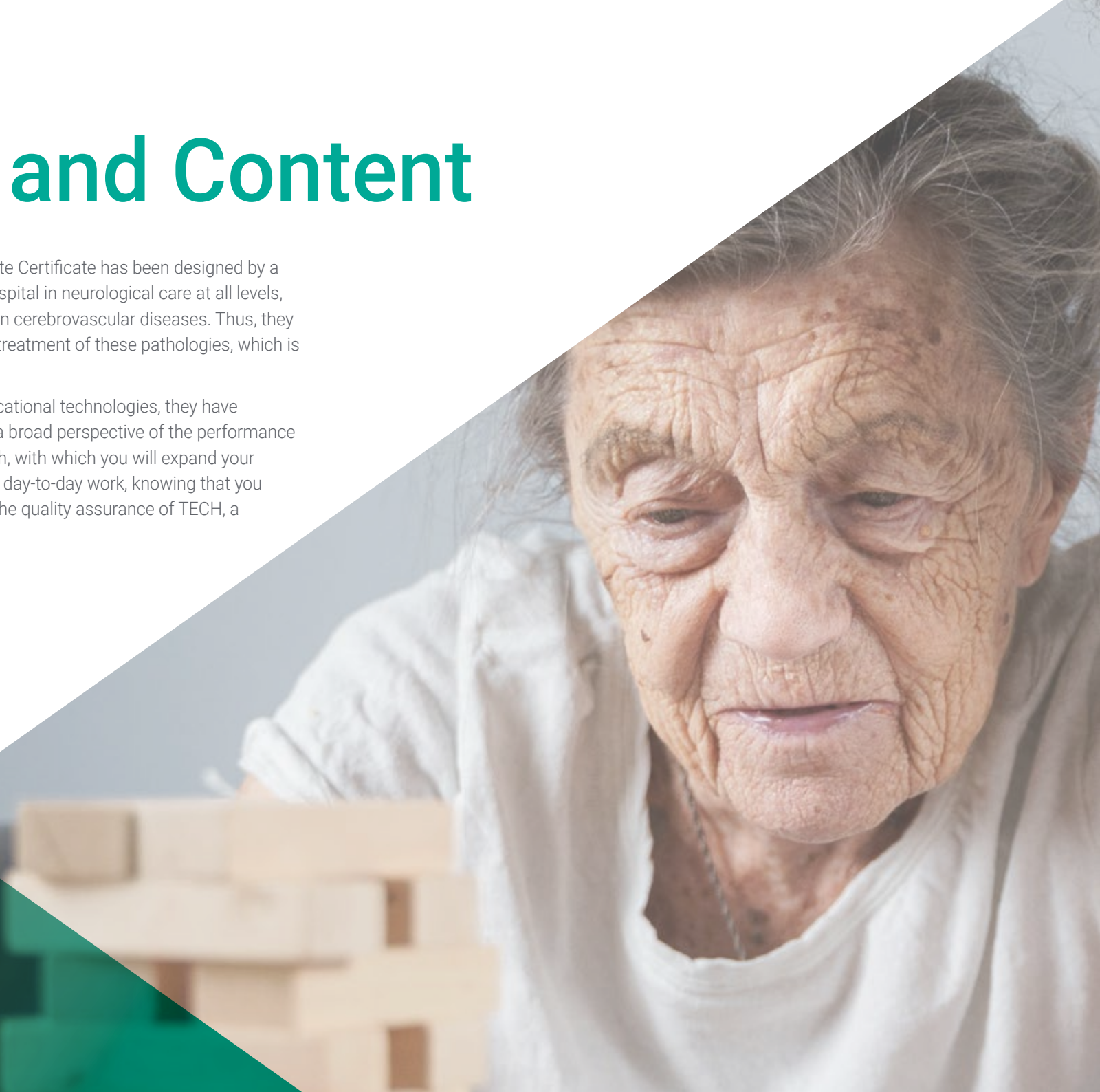- Degree in Nursing

04

Structure and Content

The structure of the contents of this Postgraduate Certificate has been designed by a team of nursing professionals from a leading hospital in neurological care at all levels, aware of the relevance of current specialization in cerebrovascular diseases. Thus, they warn of the need to have nurses qualified in the treatment of these pathologies, which is why they have designed this program.

Committed to quality teaching through new educational technologies, they have established a curriculum whose syllabus offers a broad perspective of the performance of the functions of the nurse in this area of health, with which you will expand your knowledge and acquire full competence for your day-to-day work, knowing that you also have the support of a team of experts and the quality assurance of TECH, a prestigious university.

"This program stresses the importance of determining the causes, signs and symptoms of a transient ischemic attack so that the nurse can proceed with special attention"

Module 1. Cerebrovascular Diseases.

1.1.   Transient Ischemic Attack
    1.1.1.   Causes, Signs and Symptoms
1.2.   Acute Ischemic Stroke. Classification According to Location
    1.2.1.   Total Ischemic Stroke (TACI)
    1.2.2.   Posterior Circulation Stroke (POCI)
    1.2.3.   Lacunar Strokes
1.3.   Acute Ischemic Stroke II. Classification According to Etiology
    1.3.1.   Atherothrombotic Infarction
    1.3.2.   Cardioembolic Infarction
    1.3.3.   Lacunar Infarction, Small Vessel Occlusion
    1.3.4.   Cerebral Infarction of Unusual Cause
    1.3.5.   Cerebral Infarction of Undetermined Origin
1.4.   Cerebral Hemorrhage
    1.4.1.   Causes, Signs and Symptoms
1.5.   Subarachnoid Hemorrhage
    1.5.1.   Causes, Signs and Symptoms
1.6.   Cerebral Venous Thrombosis
    1.6.1.   Causes, Signs and Symptoms
1.7.   Other Cerebrovascular Syndromes. (Lacunar, Vertebrobasilar)
    1.7.1.   Causes, Signs and Symptoms

"Now more than ever, this program is a must within the nursing field, the demand for which following the impact of Covid-19 has increased considerably"

05

Methodology

This training program offers 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"

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.

" *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 Harvard 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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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 high 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 multimedia content presentation training Exclusive system 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.

20%

15%

15%

3%

20%

17%

7%

3%

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

The student's knowledge is periodically assessed and re-assessed throughout the program, through evaluative and self-evaluative activities and exercises: in this way, students can check how they are doing in terms of 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 Cerebrovascular Diseases for Nurses guarantees, in addition to the most rigorous and update training, access to a Postgraduate Certificate issued by TECH Technological University.

Successfully complete this training and receive your university degree without travel or laborious paperwork"

This **Postgraduate Certificate in Cerebrovascular Diseases for Nurses** contains the scientific most complete and update program on the market.

After you have passed the evaluations, you will receive your corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery*.

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

Title: **Diploma in Cerebrovascular Diseases for Nursing**

Official N° of hours: **150 h.**

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Awards the following
DIPLOMA
to
Mr./Ms. _____, with identification number _____.
For having passed and accredited the following program

POSTGRADUATE CERTIFICATE
in
Cerebrovascular Diseases for Nursing

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.   Unique TECH Code: AFWORD23S   techtitute.com/certificates

*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.

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