Postgraduate Certificate
Volumetric Expression

tech technological university

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Postgraduate Certificate
Volumetric Expression

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

Website: www.techtitute.com/pk/design/postgraduate-certificate/volumetric-expression

Index

01

Introduction

Applying volumetric expression to fashion designs is essential to understand, through a drawing, how the garment will look on a person's body. For this reason, designers are increasingly opting for three-dimensional sketches that show all the features of their creations. With this TECH program, students will be able to enter a field that is currently in high demand in this sector, acquiring the necessary skills to become more competent in fashion design.

Fashion designers must rely on three-dimensional drawings to clearly show what the garments will look like"

Volumetric expression applied to the field of fashion makes it possible to understand what shape each garment will have through the sketches. For this, it is necessary to make drawings in 3D, making it clear what place the design occupies in space, its shape, its characteristics, etc. This way, designers must have a wide knowledge in this field that allows their drawings to perfectly show the garment or accessories they have created.

This TECH program in Volumetric Expression focuses the information on the three-dimensional image, pointing out aspects such as language; materials and processes; the transformation and configuration of space; additive, subtractive, constructive and molding techniques; or new technologies applied to this concept, among other fundamental aspects to carry out high-quality work in this field.

In short, TECH aims to meet the high specialization objective demanded by fashion designers, who are looking for high quality programs to improve their skills and offer users garments that will become indispensable for their closet. And to achieve this goal, it offers students a cutting-edge program adapted to the latest developments in the sector, with an up-to-date syllabus developed by experienced professionals who are willing to put all their knowledge at the disposal of their students.

It should be noted that since it is a 100% online program, students are not conditioned by fixed schedules or the need to move to another physical location, but can access the contents at any time of the day, balancing their professional and personal life with their academic life.

This **Postgraduate Certificate in Volumetric Expression** contains the most complete and up-to-date program on the market. The most important features include:

- Practical cases presented by experts in fashion
- The graphic, schematic, and practical contents with which they are created, provide practical information on the disciplines that are essential for professional practice
- Practical exercises where self-assessment can be used to improve learning
- Special emphasis on innovative methodologies in volumetric expression
- 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

Being able to understand volumes and apply them to your drawings will allow you to create better designs"

TECH provides you with the latest educational technology so that you can specialize comfortably"

This Postgraduate Certificate's case studies will help you to improve your skills in this field.

A 100% online program designed for you to organize your own study time.

This program's teaching staff includes professionals from the field of Fashion, who bring their work experience to this program, as well as renowned specialists from leading communities and prestigious universities.

Its multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will deliver an immersive learning experience, programmed to prepare for real situations.

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

02

Objectives

This program in Volumetric Expression is oriented to facilitate professionals' performance in order for them to acquire and learn the main novelties in this field, which will allow them to practice their daily work with the highest quality and professionalism. This way, they will be better prepared to develop successfully in a booming sector, in which new concepts and trends are constantly emerging and must be recognized and applied by professionals.

Develop your artistic skills and apply them to fashion design to create realistic and quality projects"

General Objectives

- Acquire specific skills for sketching drawings that faithfully show the proposed design
- Be able to design's fashion projects that will gain public popularity
- Draw garments according to volume and shape

Learn how to make three-dimensional drawings that perfectly capture the garment's characteristics"

Specific Objectives

- Learn to build structures using previously formed elements and to understand the factors that determine their spatial configuration
- Know the basics of molding processes
- Conceive and develop visual language in its physical and three-dimensional context
- Experiment and investigate with techniques and materials

03

Structure and Content

This Postgraduate Certificate's content covers, in a structured way, all the areas of knowledge that fashion professionals need to know in-depth, including the most interesting developments and latest advances in the sector. A high-quality program that will allow students to compete proficiently and competently in a highly competitive industry. To this purpose, the syllabus has been designed by professionals with extensive experience who have captured all their expertise in a program that will be indispensable in professionals' résumés in the 21st century.

A high-level program for a comfortable tour of the most up-to-date concepts on volumetric expression"

Module 1. Volumetric Expression

1.1. Basic Elements of Three-Dimensional Language
- 1.1.1. Origin and Chronology of Three-Dimensional Design
- 1.1.2. Definition of Three-Dimensional Design
- 1.1.3. Elements of Three-Dimensional Design
- 1.1.4. Three-Dimensional Design Methodology
- 1.1.5. The Operation of Design Fundamentals
- 1.1.6. Models, Mock-Ups and Prototypes

1.2. Materials and Processes
- 1.2.1. Materials
  - 1.2.1.1. Stone
  - 1.2.1.2. Metal
  - 1.2.1.3. Wood
  - 1.2.1.4. Mud
  - 1.2.1.5. Clay
- 1.2.2. Processes
  - 1.2.2.1. Making a Slab
  - 1.2.2.2. Churros Method
  - 1.2.2.3. Cube
- 1.2.3. Workshop

1.3. Transformation and Creation of Space
- 1.3.1. From Plan to Volume
- 1.3.2. Sculpture from the Plane
  - 1.3.2.1. Topography
    - 1.3.2.1.1. Hollow Relief
    - 1.3.2.1.2. Low Relief
    - 1.3.2.1.3. Medium Relief
    - 1.3.2.1.4. High Relief
    - 1.3.2.1.5. Half Bulk
  - 1.3.2.2. *Collage* and Assembling
  - 1.3.2.3. Creation of a Sculpture
- 1.3.3. Two-Dimensionality and Three-Dimensionality
  - 1.3.3.1. The Trompe L'oeil
- 1.3.4. Matrix Artists
- 1.3.5. Painting as Sculpture

1.4. Three-Dimensional Configuration Systems
- 1.4.1. Structure
- 1.4.2. The Structure as a Support
  - 1.4.2.1. Structures Designed to Support
  - 1.4.2.2. Structures and Balance
- 1.4.3. Structure as a Compositional Basis
  - 1.4.3.1. Geometry as a Structure or Compositional Basis
  - 1.4.3.2. Hierarchical Zone Structures
  - 1.4.3.3. Hierarchical Structures by Size and Ratio
  - 1.4.3.4. Gestural and Material Structures Determined by Sensibility
  - 1.4.3.5. The Structure of the Whole
- 1.4.4. Mental Visualization of the Structures
- 1.4.5. Form and Function
  - 1.4.5.1. Predominance of Form or Function
    - 1.4.5.1.1. Luxury and Appearance
  - 1.4.5.2. Shapes in Nature
    - 1.4.5.2.1. Biomorphic Shapes
    - 1.4.5.2.2. Geometric Shapes
    - 1.4.5.2.3. Natural Shapes
  - 1.4.5.3 Industrial Shapes
    - 1.4.5.3.1. The Revisable Shape
    - 1.4.5.3.2. Antiques
  - 1.4.5.4. Relationship of Humans to Form and Function

1.5. Additive Techniques
- 1.5.1. Modeling
- 1.5.2. Modeling Typologies
- 1.5.3. Mold Creation

1.6. Subtractive Techniques
- 1.6.1. The Carving
- 1.6.2. Materials and Tools
- 1.6.3. Milling Process
- 1.6.4. Featured Artists

1.7. Construction Techniques
- 1.7.1. Assembly and Spatial Configurations
- 1.7.2. Materials
- 1.7.3. Typology
- 1.7.4. Features
- 1.7.5. Featured Artists

1.8. Molding Techniques
- 1.8.1. Molding and Casting
- 1.8.2. Technique
- 1.8.3. Procedure
- 1.8.4. Typology
- 1.8.5. Materials
- 1.8.6. Tools
- 1.8.7. Parts and Elements
- 1.8.8. The Starting Course and Couplings
- 1.8.9. Types of Mold Systems

1.9. New Technologies
- 1.9.1. Evolution of the Three-Dimensional Form
- 1.9.2. New Techniques and Materials
  - 1.9.2.1. Plastic
  - 1.9.2.2. Concrete
  - 1.9.2.3. Light Sculptures
  - 1.9.2.4. Bioart
  - 1.9.2.5. Video and Virtual Space
- 1.9.3. 3D Printing

1.10. Project Communication
- 1.10.1. Large Spaces: *Land art*
- 1.10.2. Facilities
- 1.10.3. *Happenings* and *Performances*
- 1.10.4. The movement. Kinetic sculptures

A valuable academic experience that will make your résumé stand out"

04

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"

Case Study to contextualize all content

Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world"

You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.

The student will learn to solve complex situations in real business environments through collaborative activities and real cases.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and professional reality is taken into account.

> *Our program prepares you to face new challenges in uncertain environments and achieve success in your career"*

The case method is the most widely used learning system in the best faculties in the world. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question we face in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

Relearning Methodology

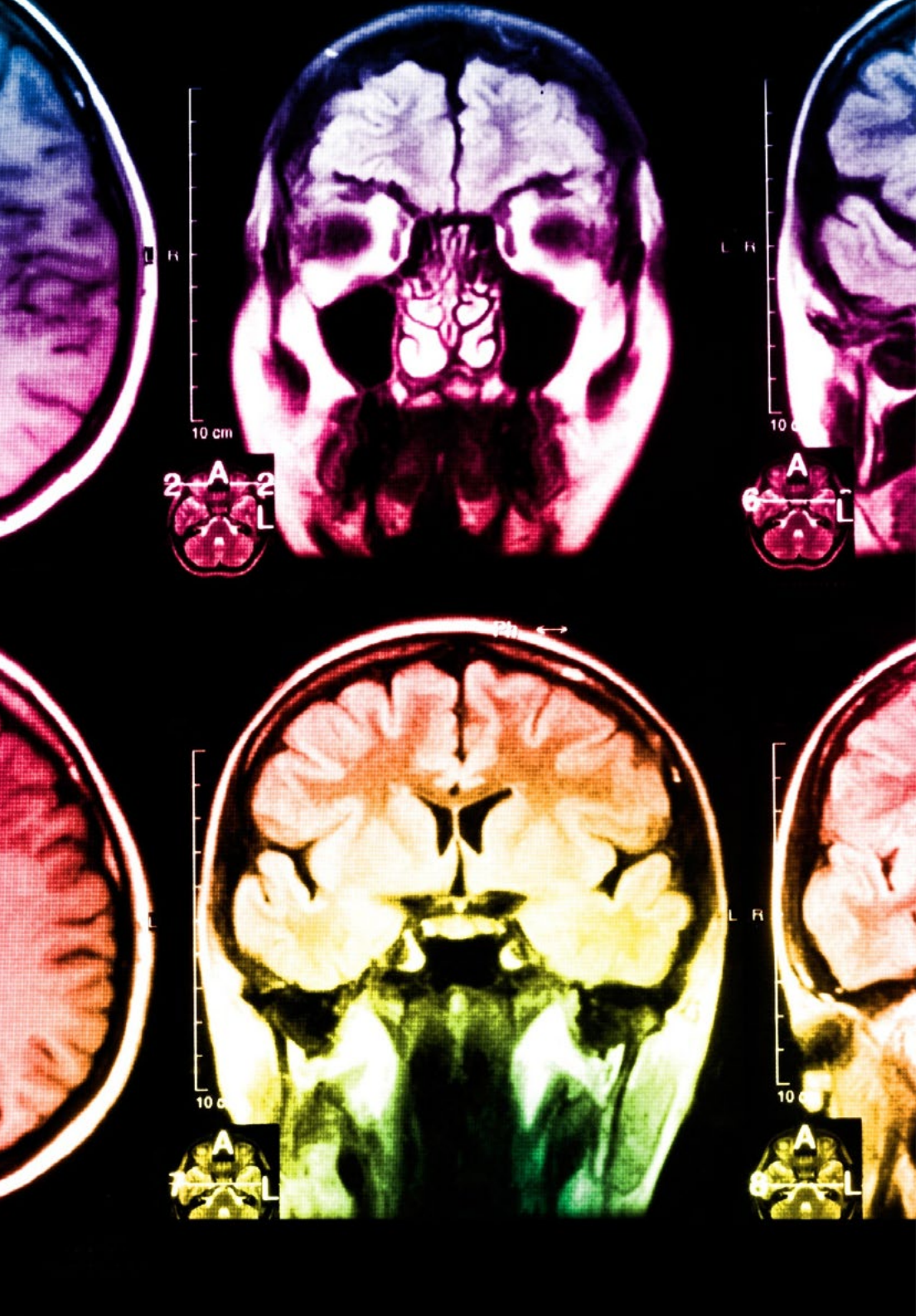
TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

In 2019, we obtained the best learning results of all online universities in the world.

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our university is the only one in the world authorized to employ this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.



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. With this methodology we have trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, markets, and financial instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

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

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.

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.

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.

Classes

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

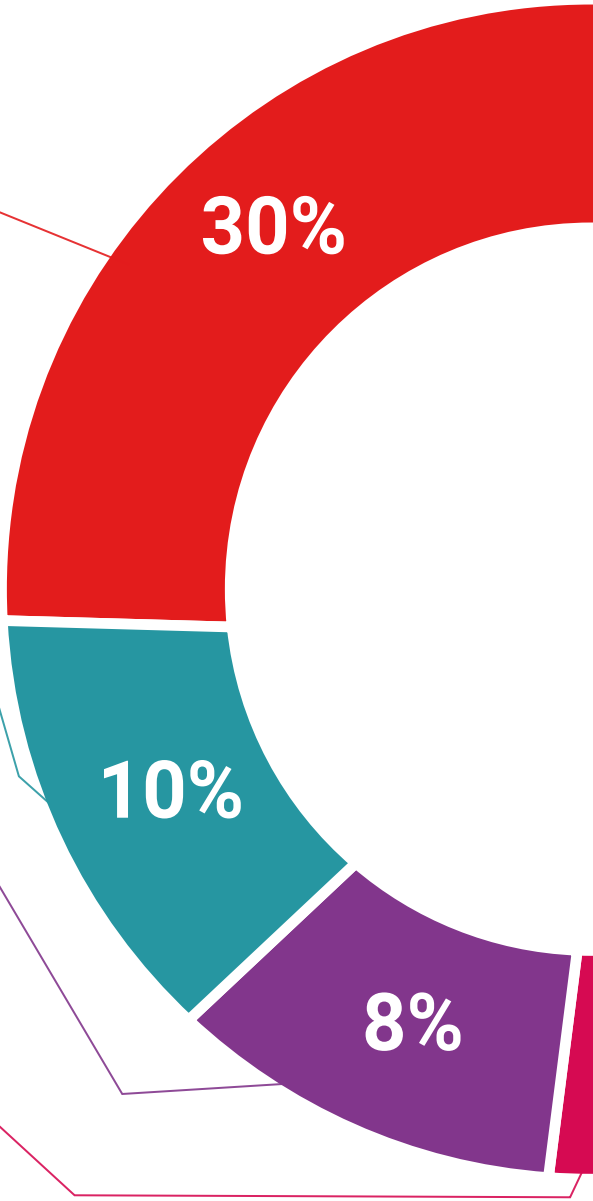
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

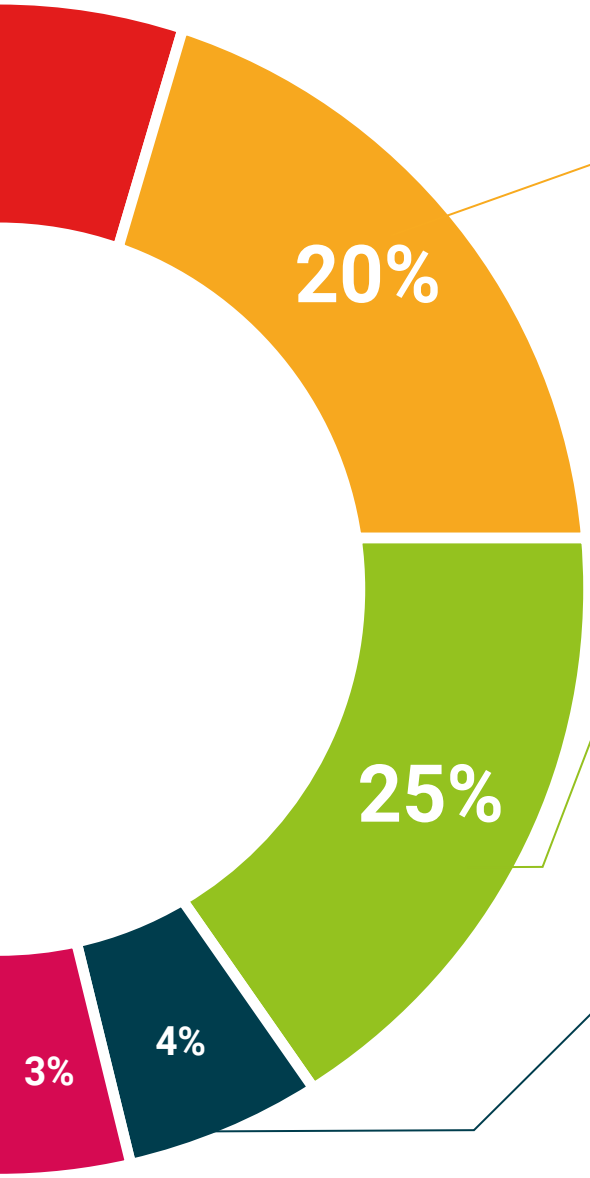
Practising Skills and Abilities

They will carry out activities to develop specific competencies and skills in each thematic area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.

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.





Case Studies

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best specialists in the world.

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".

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.

05

Certificate

This Postgraduate Certificate in Volumetric Expression guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.

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

This **Postgraduate Certificate in Volumetric Expression** contains the most complete and up-to-date program on the market.

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

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

Title: **Postgraduate Certificate in Volumetric Expression**

Official Nº of Hours: **150 h.**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Awards the following

CERTIFICATE

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Volumetric Expression

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

Unique TECH Code: AFWORD23S techtitute.com/certificates

*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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