Postgraduate Certificate
Value Stream Mapping in Lean Manufacturing

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Postgraduate Certificate
Value Stream Mapping
in Lean Manufacturing

- » Modality: **online**
- » Duration: **6 weeks**
- » Certificate: **TECH Technological University**
- » Schedule: **at your own pace**
- » Exams: **online**
- » Target Group: **University Graduates who have previously completed any of the degrees in the fields of Social and Legal Sciences, Administrative and Business**

Website: **www.techtitute.com/us/school-of-business/postgraduate-certificate/value-stream-mapping-lean-manufacturing**

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01
Welcome

Value Stream Mapping is a key tool of the Lean Manufacturing approach that allows a detailed visualization of the entire production process, from the receipt of raw materials to the delivery of the final product to the customer. Today, it is increasingly used by companies to improve their production processes and adapt to the demands of a highly competitive and constantly changing market. That is why they need trained professionals with extensive knowledge in this field, which has prompted TECH to create the following 100% online program. The program is an academic program with audiovisual resources, complementary readings and practical exercises developed with the Relearning methodology for a more immersive experience and better use.

Postgraduate Certificate in Value Stream Mapping in Lean Manufacturing
TECH Technological University

You will perform value mapping, finding details and minutiae that will increase the productive level of your company"

Why Study at TECH?

TECH is the world's largest 100% online business school. It is an elite business school, with a model based on the highest academic standards. A world-class center for intensive managerial skills education.

TECH is a university at the forefront of technology, and puts all its resources at the student's disposal to help them achieve entrepreneurial success"

At TECH Technological University

Innovation

The university offers an online learning model that balances the latest educational technology with the most rigorous teaching methods. A unique method with the highest international recognition that will provide students with the keys to develop in a rapidly-evolving world, where innovation must be every entrepreneur's focus.

"Microsoft Europe Success Story", for integrating the innovative, interactive multi-video system.

The Highest Standards

Admissions criteria at TECH are not economic. Students don't need to make a large investment to study at this university. However, in order to obtain a qualification from TECH, the student's intelligence and ability will be tested to their limits. The institution's academic standards are exceptionally high...

95% of TECH students successfully complete their studies

Networking

Professionals from countries all over the world attend TECH, allowing students to establish a large network of contacts that may prove useful to them in the future.

+100000 executives prepared each year

+200 different nationalities

Empowerment

Students will grow hand in hand with the best companies and highly regarded and influential professionals. TECH has developed strategic partnerships and a valuable network of contacts with major economic players in 7 continents.

+500 collaborative agreements with leading companies

Talent

This program is a unique initiative to allow students to showcase their talent in the business world. An opportunity that will allow them to voice their concerns and share their business vision.

After completing this program, TECH helps students show the world their talent.

Multicultural Context

While studying at TECH, students will enjoy a unique experience. Study in a multicultural context. In a program with a global vision, through which students can learn about the operating methods in different parts of the world, and gather the latest information that best adapts to their business idea.

TECH students represent more than 200 different nationalities.

TECH strives for excellence and, to this end, boasts a series of characteristics that make this university unique:

Analysis

TECH explores the student's critical side, their ability to question things, their problem-solving skills, as well as their interpersonal skills.

Academic Excellence

TECH offers students the best online learning methodology. The university combines the Relearning method (postgraduate learning methodology with the best international valuation) with the Case Study. Tradition and vanguard in a difficult balance, and in the context of the most demanding educational itinerary.

Economy of Scale

TECH is the world's largest online university. It currently boasts a portfolio of more than 10,000 university postgraduate programs. And in today's new economy, **volume + technology = a ground-breaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.

Learn with the best

In the classroom, TECH's teaching staff discuss how they have achieved success in their companies, working in a real, lively, and dynamic context. Teachers who are fully committed to offering a quality specialization that will allow students to advance in their career and stand out in the business world.

Teachers representing 20 different nationalities.

At TECH, you will have access to the most rigorous and up-to-date case analyses in academia"

03
Why Our Program?

Studying this TECH program means increasing the chances of achieving professional success in senior business management.

It is a challenge that demands effort and dedication, but it opens the door to a promising future. Students will learn from the best teaching staff and with the most flexible and innovative educational methodology.

We have highly qualified teachers and the most complete syllabus on the market, which allows us to offer you education of the highest academic level"

This program will provide you with a multitude of professional and personal advantages, among which we highlight the following:

01

A Strong Boost to Your Career

By studying at TECH, students will be able to take control of their future and develop their full potential. By completing this program, students will acquire the skills required to make a positive change in their career in a short period of time.

70% of students achieve positive career development in less than 2 years.

02

Develop a strategic and global vision of the company

TECH offers an in-depth overview of general management to understand how each decision affects each of the company's different functional fields.

Our global vision of companies will improve your strategic vision.

03

Consolidate the student's senior management skills

Studying at TECH means opening the doors to a wide range of professional opportunities for students to position themselves as senior executives, with a broad vision of the international environment.

You will work on more than 100 real senior management cases.

04

You will take on new responsibilities

The program will cover the latest trends, advances and strategies, so that students can carry out their professional work in a changing environment.

45% of graduates are promoted internally.

05

Access to a powerful network of contacts

TECH connects its students to maximize opportunities. Students with the same concerns and desire to grow. Therefore, partnerships, customers or suppliers can be shared.

You will find a network of contacts that will be instrumental for professional development.

06

Thoroughly develop business projects.

Students will acquire a deep strategic vision that will help them develop their own project, taking into account the different fields in companies.

20% of our students develop their own business idea.

07

Improve *soft skills* and management skills

TECH helps students apply and develop the knowledge they have acquired, while improving their interpersonal skills in order to become leaders who make a difference.

Improve your communication and leadership skills and enhance your career.

08

You will be part of an exclusive community

Students will be part of a community of elite executives, large companies, renowned institutions, and qualified teachers from the most prestigious universities in the world: the TECH Technological University community.

We give you the opportunity to study with a team of world-renowned teachers.

04

Objectives

In order to guarantee a rigorous training focused on the demands of the labor field, TECH has combined the best academic content with the innovative Relearning methodology. In this way, the student will learn as they develop the curriculum. In this way, they will be trained in a booming sector with great demand.

One of TECH's goals is to provide you with the most up-to-date and innovative information in the field"

TECH makes the goals of their students their own goals too
Working together to achieve them

The **Postgraduate Certificate in Value Stream Mapping in Lean Manufacturing** will enable the student to:

01 Analyze and be able to distinguish the lean philosophy from other approaches to operations improvement

02 Distinguish the different types of industrial processes in which it is possible to act

03 Differentiate the different types of flow in an operational contexT

04 Develop the tools and techniques used in Lean Manufacturing quality management

05 Analyze statistical methods of process control and root cause analysis

06 Establish the keys to implement and sustain a Kaizen culture in the company

05
Structure and Content

The Postgraduate Certificate in Value Stream Mapping in Lean Manufacturing is a program created to meet the demands and needs of the professional and the field in which he/she works. This is a program developed over 6 weeks, in which up-to-date and rigorous information on the most influential aspects of this field will be presented.

In addition to its broad informative content, it offers the most innovative audiovisual resources, developed with the latest technology"

Syllabus

This program is a collection of high-impact information that compiles the most up-to-date knowledge in the industry and presents it through audiovisual resources, additional readings and practical exercises developed using the Relearning methodology. In this way, the student will acquire new skills and abilities to improve his or her professional profile and training.

During the next few weeks, the student will have access to study material developed by TECH and its teaching team that will provide essential knowledge to apply in their daily practice. In addition, the program is completely online, which allows students to access the material from any device with an Internet connection, at their own schedule and without the need to travel to an on-site center.

In summary, this academic program is an opportunity designed specifically for those with prior knowledge or those who wish to get started in the business sector and in Lean Manufacturing. It is a program that understands the needs of the student and the company, and combines them into a rigorous, cutting-edge curriculum.

This Postgraduate Certificate is developed over 6 week and is divided into 1 module:

| Module 1 | Value stream mapping: Analysis and Mapping of the flow of materials, information and activities in a process. Flow optimization |

Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate Certificate in Value Stream Mapping in Lean Manufacturing completely online. During the 6 weeks of the specialization, the student will be able to access all the contents of this program at any time, which will allow the students to self-manage their study time.

A unique, key and decisive educational experience to boost your professional development and make the definitive leap.

Module 1. Value stream mapping: Analysis and Mapping of the flow of materials, information and activities in a process. Flow optimization

1.1. The Value or F Map. Value Stream Mapping.(VSM)
1.1.1. Value stream
1.1.2. The value stream map
1.1.3. Selection of a product family

1.2. Connection, Strategy and tactics with the VSM
1.2.1. The Quality Cost Delivery (QCD). The customer is in charge
1.2.2. Hoshin Kanri, from vision to tactics
1.2.3. Visual Management as a mechanism for prioritization and alignment

1.3. Value Stream Map in current status
1.3.1. Value stream mapping
1.3.2. Symbols used in the design of the Value Stream Map
1.3.3. Data Collection

1.4. The timing of a value stream map VSM
1.4.1. Takt Time, the rhythm set by the customer
1.4.2. Cycle Time
1.4.3. Lead Time, the necessary end-to-end time

1.5. The Lean value chain
1.5.1. Problem of overproduction
1.5.2. Characteristics of a Lean value chain
1.5.3. Creation of continuous flow to create Lean processes

1.6. Future State Value Stream Map
1.6.1. Value stream mapping
1.6.2. Symbols used for future design
1.6.3. From the future map to the work plan

1.7. Value chain planning and improvement
1.7.1. Implementation planning
1.7.2. Prioritization of activities
1.7.3. Connecting VSM to strategy

1.8. Value Supply Chain Management
1.8.1. Mapping of the current state of the Supply Chain
1.8.2. Symbols used for its design
1.8.3. Design of the future supply chain

1.9. Value Stream Project Management, the Lean Project
1.9.1. Peculiarities of a Project vs. a Process
1.9.2. The value stream of a project
1.9.3. Analysis of the current state and design of the future

1.10. Yokoten
1.10.1. Yokoten. Fundamentals
1.10.2. The 3 phases of Yokoten
1.10.3. Standard Solution Cycle

You will face real and simulation cases, getting an approach to the current challenges of the labor field"

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 Business School uses the 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"*

This program prepares you to face business challenges in uncertain environments and achieve business success.

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

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch to present executives with challenges and business decisions at the highest level, whether at the national or international level. 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 business reality is taken into account.

❝

You will learn, through collaborative activities and real cases, how to solve complex situations in real business environments"

The case method has been the most widely used learning system among the world's leading business schools for as long as they have existed. 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 must integrate all their knowledge, research, 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 different teaching elements in each lesson.

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

Our online system will allow you to organize your time and learning pace, adapting it to your schedule. You will be able to access the contents from any device with an internet connection.

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 online business school is the only one in the world licensed to incorporate 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.

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)

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 specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to 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.

Management Skills Exercises

They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager needs to develop in the context of the globalization we live in.

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.

30%

10%

8%

3%

30%

15%

4%

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 senior management 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.

Our Students' Profiles

The Postgraduate Certificate is aimed at Graduates, Diploma Holders and University Graduates who have previously completed any of the following programs in the fields of Social and Legal Sciences, Administration and Economics.

This program uses a multidisciplinary approach as the students have a diverse set of academic profiles and represent multiple nationalities.

The Professional Master's Degree can also be taken by professionals who, being university graduates in any area, have two years of work experience in the business and Lean Manufacturing fields.
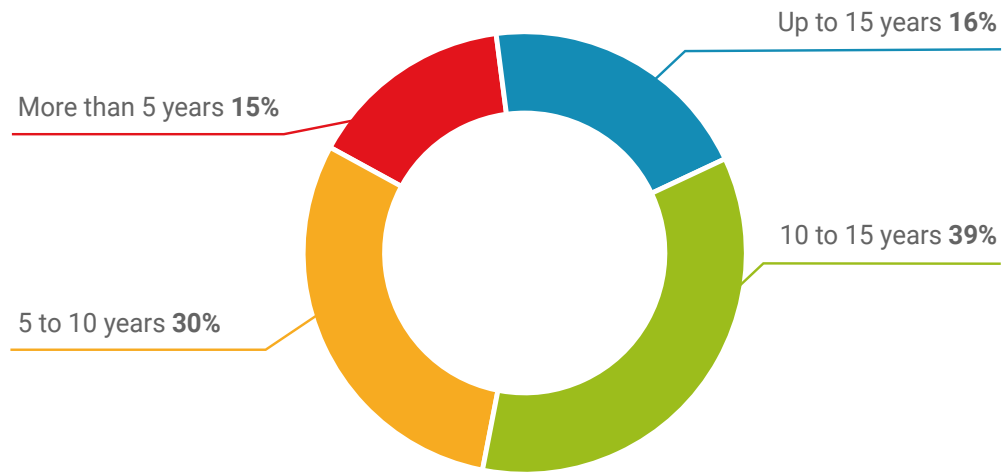
"

Download the content of this program to your device of choice, be it tablet, computer or cell phone, and review it as often as you need to"

Average Age

Between **35** and **45** years old

Years of Experience

Up to 15 years **16%**

More than 5 years **15%**

10 to 15 years **39%**

5 to 10 years **30%**

Training

Business Economics **32%**

Engineering **42%**

Social Sciences **16%**

Others **10%**

Educational Profile

Industry **39%**

Administrative **22%**

Entrepreneurs **25%**

Others **14%**
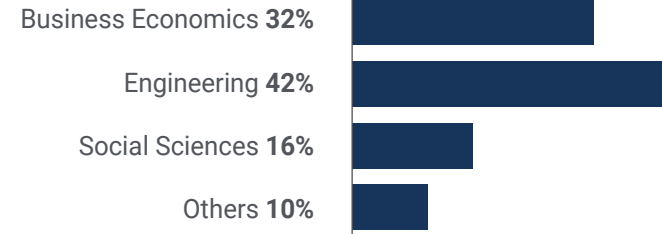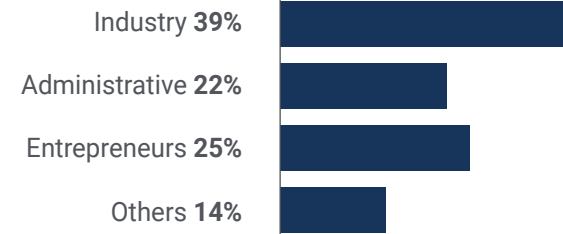
Geographical Distribution

USA **15%**

Spain **42%**

Mexico **34%**

Colombia **9%**
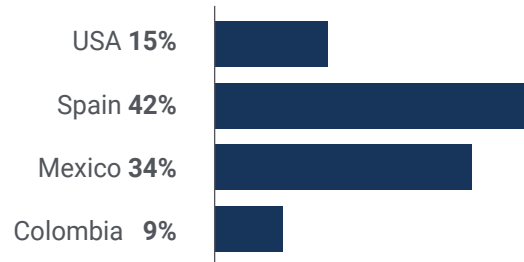
María Correa Londoño

Business Analyst and Manager

"I want to share my experience about the Postgraduate Certificate in Value Stream Mapping in Lean Manufacturing program. This program has exceeded all my expectations and has provided me with the necessary tools and skills to improve my production processes and achieve greater efficiency in my company"

Course Management

The teaching team of this Postgraduate Certificate in Strategies in Digital and Video Game Companies is made up of professionals from different branches of the management of entities, with extensive experience in the sector and in teaching. Likewise, the faculty is committed to the students and to their professional improvement, and will be available to resolve any issues that may arise during the program.

One of TECH's ways of guaranteeing effective learning is through the use of real case studies, proposed by the teaching team and taken from their own experience"

Management

Mr. Luis Jover Miravitlles

- President and Founding Partner Grupo Quarck, S.L. Founding Partner
- Senior Partner in LOGIXS
- Vice President of €-Corp. S.L
- IQS Executive Education Director
- Associate Professor at IE Business School
- Coordinator of the Master's Degree in Integral Business Management at the Universidad Iberoamericana in Mexico City
- Advisor to the employers' association Cecot
- Chemical Engineer at the Chemical Institute of Sarria (IQS)
- Master in Business Administration MBA IESE
- Member of the Hispack organizing committee

Professors

Mr. Sergio Pietro García

- Consultant and Director. Lean & Agile. Operations & Strategy Management Consultant
- Operations and Restructuring Consultant at Adoria Consulting
- Process and Continuous Improvement Engineer at Kostal Eléctrica
- Lean Management Professor en LaSalle BCN
- Operations & Supply Chain professor en el IQS Executive Education
- Associate Operations Consultant and Professor at the Chamber of Commerce of Sabadell
- Degree in Industrial Engineering, specializing in business organization and management, Catalunya Polytechnic University

Impact on Your Career

This training will allow students to acquire the skills and knowledge necessary to improve their company's production processes and achieve greater efficiency in operations. In addition, the use of the Relearning methodology and the 100% online modality of the Postgraduate Certificate facilitate the learning and deep understanding of the topics.

You will delve into aspects of great relevance and importance for value stream mapping"

Are you ready to take the leap?
Excellent professional development awaits you

TECH's Postgraduate Certificate in Value Stream Mapping in Lean Manufacturing is an intensive program that prepares you to face business challenges and decisions in Lean Manufacturing. The main objective is to promote your personal and professional growth. Helping you achieve success.

If you want to improve yourself, make a positive change at a professional level, and network with the best, then this is the place for you.

No pre-established schedules and from the place of your choice. You are just a click away to get trained quickly and effectively.

You will be trained through the best informative content, provided by experts in the business field.

Time of Change

During the program	During the first year	After 2 years
15%	**66%**	**22%**

Type of change

Internal Promotion **48%**

Change of Company **39%**

Entrepreneurship **13%**
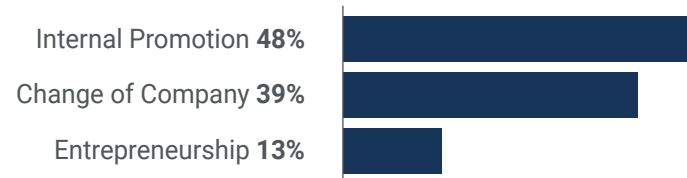
Salary increase

This program represents a salary increase of more than **27%** for our students

Salary before	A salary increase of	Salary after
$ 70.000	**27%**	**$ 88.900**

10

Benefits for Your Company

Having a specialist in this field can have multiple benefits for companies. These professionals are trained to identify inefficient processes and propose solutions to reduce costs, increase product quality and improve customer satisfaction. In addition, their training allows them to lead continuous improvement projects and work as a team to implement changes that generate a positive impact on the organization.

"

You will delve into the Yokoten methodology, so effective in the Asian continent for the business sectors"

Developing and retaining talent in companies is the best long-term investment.

01

Growth of talent and intellectual capital

The professional will introduce the company to new concepts, strategies, and perspectives that can bring about significant changes in the organization.

02

Retaining high-potential executives to avoid talent drain

This program strengthens the link between the company and the professional and opens new avenues for professional growth within the company.

03

Building agents of change

You will be able to make decisions in times of uncertainty and crisis, helping the organization overcome obstacles.

04

Increased international expansion possibilities

Thanks to this program, the company will come into contact with the main markets in the world economy.

05

Project Development

The professional can work on a real project or develop new projects in the field of R & D or business development of your company.

06

Increased competitiveness

This program will equip students with the skills to take on new challenges and drive the organization forward.

11
Certificate

The Postgraduate Certificate in Value Stream Mapping in Lean Manufacturing 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 Value Stream Mapping in Lean Manufacturing** 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 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 career evaluation committees

Title: **Postgraduate Certificate in Value Stream Mapping in Lean Manufacturing**

Official Nº of Hours: **150 h.**

tech technological university

Awards the following

DIPLOMA

to

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

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Value Stream Mapping in Lean Manufacturing

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 diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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