



# **Executive Master's Degree**MBA in Digital Transformation and Industry 4.0

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Technological University
- » Schedule: at your own pace
- » Exams: online
- » Target Group: graduates and university graduates who have previously completed any degree in the field of Computer Science or previously any of the degrees in the field of Computer Science or Engineering.

Website: www.techtitute.com/us/school-of-business/executive-master-degree/master-mba-digital-transformation-industry-4-0

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## 01 **Welcome**

New technologies have driven the transformation of different economic sectors. Therefore, the digital drive that has taken place in recent years has greatly optimized both the production processes and the internal organization of companies. In this scenario, professionals are facing an excellent opportunity to develop Startups supported by the technological component that has given rise to the so-called Industry 4.0. Given the existing demand in this sector for highly qualified personnel with leadership vision, this 100% online program is born in which the professional will obtain through a theoretical-practical approach the most advanced and current knowledge in Blockchain and Quantum Computing, Big Data, Artificial Intelligence or automation systems. All this will be possible thanks to the team of specialized teaching professionals who teach this program and the multimedia content developed with the latest technology applied to academic teaching.









## tech 08 | Why Study at TECH?

## 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

+200

executives prepared each year

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.





#### 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"

## Why Study at TECH? | 09 tech

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.





## tech 12 | Why Our Program?

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



### 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.



## 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.



## 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.



## 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.



## 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.



## 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.



## 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.



## 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.





## tech 16 | Objectives

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

The MBA in Digital Transformation and Industry 4.0 will enable students to:



Acquire in-depth knowledge of the fundamentals of Blockchain technology and its value propositions



Analyze the origins of the so-called Fourth Industrial Revolution and the Industry 4.0 concept



Master the techniques and tools of this technology (Machine Learning/Deep Learning)



Understand the current virtual era we live in and its leadership capacity, on which will depend the success and survival of the digital transformation processes in which any type of industry is involved



Acquire expert knowledge on the characteristics and fundamentals of virtual reality, augmented reality and mixed reality, as well as their differences



Convert the production process facilities into a true Smart Factory











Securing an existing IoT ecosystem or creating a secure one by deploying intelligent security systems



Know how the Blockchain works and the characteristics of the so-called networks



Automate production systems with the integration of robots and industrial robotics systems

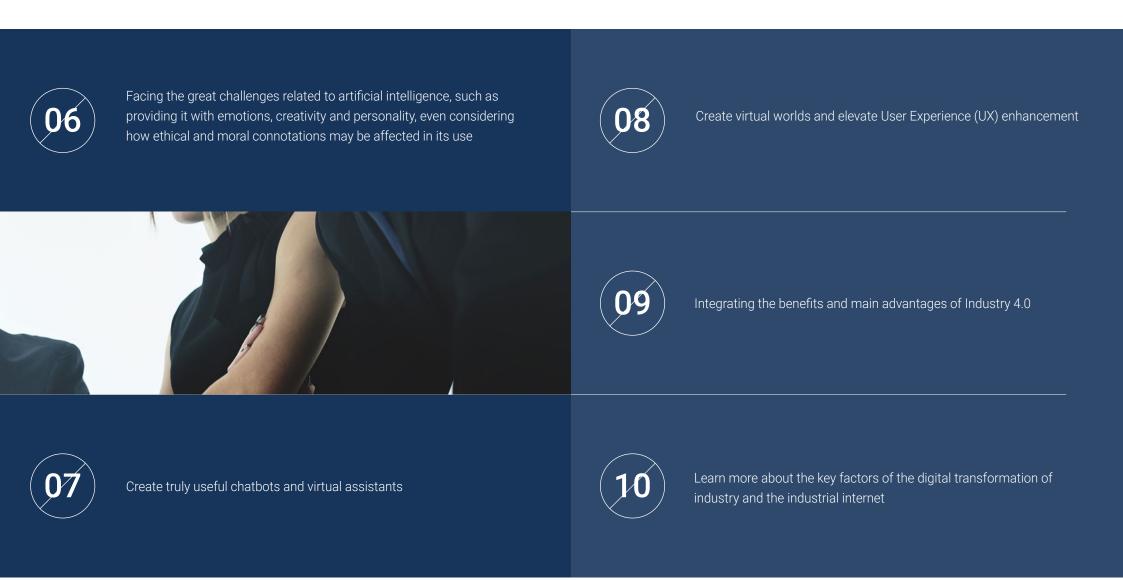


03

Maximize value creation for the customer by applying Lean Manufacturing to the digitalization of our production process



Use the main artificial intelligence techniques such as Machine Learning and Deep Learning, Neural Networks, and the applicability and use of Natural Language Recognition (NLR)





Leading the new business models derived from Industry 4.0



Master the core technologies of Industry 4.0



Develop future production models



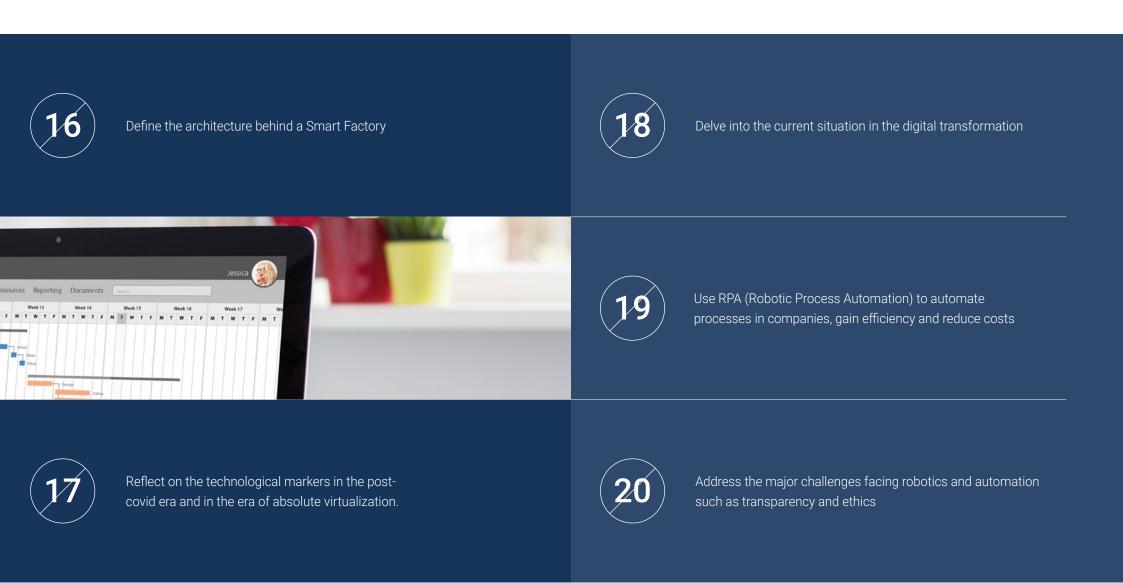




Address the challenges of Industry 4.0 and understand its effects



Lead manufacturing digitization processes and identify and define digital capabilities in an organization







## tech 26 | Structure and Content

## **Syllabus**

The MBA in Digital Transformation and Industry 4.0 of TECH Technological University is an intensive program that prepares professionals to face challenges and business decisions in the technological field.

The content of the program is designed to promote the development of managerial competencies that allow for decision making with greater rigor in uncertain environments

Throughout the 2,700 hours of specialization, students analyze case studies developed by professionals who teach this program, which will bring them closer to situations that they can apply in their sectors. It is, therefore, an authentic immersion in real business situations.

This program deals in depth with the services and solutions that technology can offer to the Primary, Secondary or Tertiary sector, as well as the progress in the creation of drones, robots or the application of the Internet of Things. All this, from a strategic, international and innovative perspective.

A syllabus focused on professional improvement that prepares students to achieve excellence in the field of business management and administration. A program that understands both the students' and their companies' needs. To achieve these objectives, TECH provides innovative content based on the latest trends, supported by an improved educational methodology and an exceptional faculty, which will provide students with the competencies to solve critical situations in a creative and efficient way.

This program takes place over 12 months and is divided into 15 modules:

Module 1	Blockchain and Quantum Computing
Module 2	Big Data and Artificial Intelligence
Module 3	Virtual, Augmented and Mixed Reality
Module 4	Industry 4.0
Module 5	Leading Industry 4.0
Module 6	Robotics, Drones and Augmented Workers
Module 7	Industry 4.0 Automation Systems
Module 8	Industry 4.0- Services and Industry Solutions I
Module 9	Industry 4.0 Services and Industry Solutions II
Module 10	Internet of Things (IoT)
Module 11	Leadership, Ethics and Social Responsibility in Companies
Module 12	People and Talent Management
Module 13	Economic and Financial Management
Module 14	Commercial and Strategic Marketing Management
Module 15	Executive Management



## Where, When and How is it Taught?

TECH offers its students the possibility of developing this MBA in Digital Transformation and Industry 4.0 completely online. During the 12 months that the specialization lasts, the student will be able to access all the contents of this program at any time, which will allow them to selfmanage their study time.

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

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Mod	ule 1. Blockchain and Quantum Comp	uting					
1.1.1.	Aspects of Decentralization  Market Size, Growth, Companies and Ecosystem Fundamentals of Blockchain	1.2.1.	Background: Bitcoin, Ethereum, etc.  Popularity of Decentralized Systems Evolution of Decentralized Systems	1.3.1.	Blockchain Operation and Examples Types of Blockchain and Protocols Wallets, Mining and More	1.4.1.	Characteristics of Blockchain Networks Functions and Properties of Blockchain Networks Applications: Cryptocurrencies, Reliability, Chain of Custody, etc
	Types of Blockchain Public and Private Blockchains Hard And Soft Forks	1.6.1.	Smart Contracts Intelligent Contracts and Their Potential Smart Contract Applications	<b>1.7.</b> 1.7.1. 1.7.2.	Industry Use Models Blockchain Applications by Industry Blockchain Success Stories by Industry	1.8.1.	Security and Cryptography Objectives of Cryptography Digital Signatures and Hash Functions
1.9.2.	Cryptocurrencies and Uses Types of Cryptocurrencies Bitcoin, HyperLedger, Ethereum, Litecoin, etc. Current and Future Impact of Cryptocurrencies Risks and Regulations	1.10.1	. <b>Quantum Computing</b> . Definition and Keys . Uses of Quantum Computing				
Mod	<b>ule 2.</b> Big Data and Artificial Intelligend	0					
<b>2.1.</b> 2.1.1.	Fundamental Principles of Big Data Big Data Tools to Work With Big Data	2.2.1. 2.2.2.	Data Mining and Warehousing Data Mining Cleaning and Standardization Information Extraction, Machine Translation, Sentiment Analysis, etc Types of Data Storage		Data Intake Applications Principles of Data intake Data Ingestion Technologies to Serve Business Needs	2.4.1.	Data Visualization The Importance of Data Visualization Tools to Carry It Out Tableau, D3, matplotlib (Python), Shiny®
<b>2.5.</b> 2.5.1. 2.5.2. 2.5.3.	Understanding Machine Learning Supervised and Unsupervised Learning	<b>2.6.</b> 2.6.1. 2.6.2. 2.6.3. 2.6.4.	Neural Network: Parts and Operation Types of Networks CNN, RNN	2.7.1.	Natural Language Recognition  NLP (Natural Language Processing) Advanced PLN Techniques: Word2vec, Doc2vec	2.8.2. 2.8.3.	Chatbots and Virtual Assistants Types of Assistants: Voice and Text Assistants Fundamental Parts for the Development of an Assistant: Intents, Entities and Dialogue Flow Integrations: web, Slack, Whatsapp, Facebook Assistant Development Tools: Dialog Flow, Watson Assistant expressions and content
2.9.1.	Emotions, Creativity and Personality in IA Understand How to Detect Emotions Using Algorithms Creating a Personality: Language, Expressions and Content	2.10	Future of Artificial Intelligence	2.11	Reflections		

4.4.3. Applications in the Industry

Industry

4.8. Status of the 4.0 Industry

4.8.2. Barriers to the Implementation of 4.0

4.8.1. Status of the 4.0 Industry in Different Sectors

<b>3.1.</b> 3.1.1. 3.1.2.	Market and Tendencies Current Market Situation Reports and Growth by Different Industries	3.2.1. 3.2.2.	Differences Between Virtual, Augmented and Mixed Reality Differences Between Immersive Realities Immersive Reality Typology	<b>3.3.</b> 3.3.1. 3.3.2.	Virtual Reality Cases and Uses Origin and Fundamentals of Virtual Reality Cases Applied to Different Sectors and Industries		Augmented Reality Cases and Uses Origin and Fundamentals of Augmented Reality Cases Applied to Different Sectors and Industries
<b>3.5.</b> 3.5.1. 3.5.2.	Mixed and Holographic Reality Origin, History and Fundamentals of Mixed and Holographic Reality Cases Applied to Different Sectors and Industries	<b>3.6.</b> 3.6.1. 3.6.2. 3.6.3.	360° Photography and Video Camera Typology Uses of 360 Images Creating a Virtual Space in 360 Degrees	<b>3.7.</b> 3.7.1. 3.7.2.	Virtual World Creation Platforms for the Creation of Virtual Environments Strategies for the Creation of Virtual Environments	<b>3.8.</b> 3.8.1. 3.8.2.	User Experience (UX) Components in the User Experience Tools for the Creation of User Experiences
	Devices and Glasses for Immersive Technologies Device Typology on the Market Glasses and Wearables: Operation, Models and Uses Smart Glasses Applications and Evolution	3.10.1	Future Immersive Technologies . Tendencies and Evolution . Challenges and Opportunities				
Mod	<b>ule 4.</b> Industry 4.0						
4.1.	Definition of 4.0 Industry	4.2.	Benefits of the 4.0 Industry	4.3.	Industrial Revolutions and Vision of the Future	4.4.	The Digital Transformation of the Industry

4.6. 4.0 Industry and Industrial Internet

4.10. Role of Technological Capabilities and the Human Factor

4.10.1. Disruptive Technologies in Industry 4.0 4.10.2. The Importance of the Human Factor

4.6.3. Steps to Follow for its Implementation

4.6.1. Origin of IIoT

Key Factor

4.6.2. Operation

4.6.4. Benefits

4.5. Forth Industrial Revolution Key

Principles of Industry 4.0

4.5.2. Key Principles and Applications

4.9. Challenges and Risks

4.5.1. Definitions

4.9.1. DAFO Analysis 4.9.2. Challenges Possible New Revolutions

4.7. Smart Factory Principles

4.7.3. Steps to Deploy a Smart Factory

4.7.2. Elements That Define a Smart Factory

4.7.1. Smart Factory

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6.9.1. Prototyping Platforms6.9.2. Phases to Make a Prototype

Mod	ule 5. Leading Industry 4.0			
5.1.1.	Leadership Abilities Leadership Factors in the Human Factor Leadership and Technology	<ul> <li>5.2. Industry 4.0 and the Future of Production</li> <li>5.2.1. Definitions</li> <li>5.2.2. Production Systems</li> <li>5.2.3. Future of Digital Production Systems</li> </ul>	<ul><li>5.3. Effects of Industry 4.0</li><li>5.3.1. Effects and Challenges</li></ul>	<ul> <li>5.4. Essential Technologies in Industry 4.0</li> <li>5.4.1. Definition of Technologies</li> <li>5.4.2. Characteristics of Technologies</li> <li>5.4.3. Applications and Impacts</li> </ul>
<b>5.5.</b> 5.5.1. 5.5.2. 5.5.3.		<ul> <li>5.6. Digital Capabilities in an Organization</li> <li>5.6.1. Development Digital Capabilities</li> <li>5.6.2. Understanding the Digital Ecosystem</li> <li>5.6.3. Digital Vision of the Business</li> </ul>	<ul><li>5.7. Architecture Behind a Smart Factory</li><li>5.7.1. Areas and Operations</li><li>5.7.2. Connectivity and Security</li><li>5.7.3. Case Uses</li></ul>	<ul> <li>5.8. Technology Markers in the Post-Covid Era</li> <li>5.8.1. Technological Challenges in the Post-Covid Era</li> <li>5.8.2. New Case Uses</li> </ul>
5.9.1. 5.9.2.	The Era of Absolute Virtualization Virtualization The New Era of Virtualization Advantages	5.10. Current Situation in Digital Transformation Gartner Hype 5.10.1. Gartner Hype 5.10.2. Analysis of Technologies and Their Status	5.10.3. Data Exploitation	
Mod	ule 6. Robotics, Drones and Augmented	d Workers		
<b>6.1.</b> 6.1.1. 6.1.2.	Robotics, Societies and Cinema	<ul><li>6.2. Robotics and Advanced Automation: Simulators, Cobots</li><li>6.2.1. Transfer of Learning</li><li>6.2.1. Cobots and Case Uses</li></ul>	<ul> <li>6.3. RPA (Robotic Process Automatization)</li> <li>6.3.1. Understanding RPA and its Functioning RPA Platforms, Projects and Roles</li> </ul>	<ul> <li>6.4. Robot as a Service (RaaS)</li> <li>6.4.1. Challenges and Opportunities for Implementing RaaS in Companies</li> <li>6.4.2. Functioning of a RaaS System</li> </ul>
<b>6.5.</b> 6.5.1. 6.5.2. 6.5.3.	Drones and Automated Vehicles Components and Drones Operation Uses, Types and Applications of Drones Evolution of Drones and Autonomous Vehicles	<ul> <li>6.6. The Impact of 5G</li> <li>6.6.1. Evolution of Communications and Implications</li> <li>6.6.2. Uses of 5G Technology</li> </ul>	<ul> <li>6.7. Augmented Workers</li> <li>6.7.1. Human-Machine Integration in Industrial Environments</li> <li>6.7.2. Challenges in Worker-Robot Collaboration</li> </ul>	<ul> <li>6.8. Transparency, Ethics and Traceability</li> <li>6.8.1. Ethical Challenges in Robotics and Artificial Intelligence</li> <li>6.8.2. Monitoring, Transparency and Traceability Methods</li> </ul>
	Prototyping, Components and Evolution Prototyping Platforms	6.10. Future of Robotics 6.10.1. Trends in Robotization 6.10.2. New Types of Robots		

<ul> <li>2. Industrial Robotics</li> <li>2.1. Fundamentals of Industrial Robotics</li> <li>2.2. Models and Impact on Industrial Processes</li> <li>6. Industrial Connectivity</li> </ul>	<ul> <li>7.3. PLC Systems and Industrial Control</li> <li>7.3.1. PLC Evolution and Status</li> <li>7.3.2. Evolution of Programming Languages</li> <li>7.3.3. Computer Integrated Automation CIM</li> </ul>	<ul><li>7.4. Sensors and Actuators</li><li>7.4.1. Classification of Transducers</li><li>7.4.2. Types of Sensors</li><li>7.4.3. Standardization of Signals</li></ul>
2.1. Fundamentals of Industrial Robotics 2.2. Models and Impact on Industrial Processes	<ul><li>7.3.1. PLC Evolution and Status</li><li>7.3.2. Evolution of Programming Languages</li><li>7.3.3. Computer Integrated Automation CIM</li></ul>	7.4.1. Classification of Transducers 7.4.2. Types of Sensors
6. Industrial Connectivity		
	<ul> <li>7.7. Proactive/Predictive Maintenance</li> <li>7.7.1. Predictive Maintenance</li> <li>7.7.2. Fault Identification and Analysis</li> <li>7.7.3. Proactive Actions Based on Predictive Maintenance</li> </ul>	<ul> <li>7.8. Continuous Monitoring and Prescriptive Maintenance</li> <li>7.8.1. Prescriptive Maintenance Concept in Industrial Environments</li> <li>7.8.2. Selection and Exploitation of Data for Self-Diagnostics</li> </ul>
4.0. Use Case 0.1. Project Definition 0.2. Technological Selection 0.3. Connectivity		
Solutions (I)		
Value Chain 2.1. Value Chain	<ul><li>8.3. Sector Solutions Primary Sector</li><li>8.3.1. The Primary Economic Sector</li><li>8.3.2. Characteristics of Each Subsector</li></ul>	<ul> <li>8.4. Digitization of the Primary Sector: Smart Farms</li> <li>8.4.1. Main Characteristics</li> <li>8.4.2. Keys Factors of Digitization</li> </ul>
5.1. The Secondary Economic Sector	<ul><li>8.7. Digitization of the Secondary Sector: Smart Factory</li><li>8.7.1. Main Characteristics</li><li>8.7.2. Keys Factors of Digitization</li></ul>	8.8. Digitization of the Secondary Sector: Energy 8.8.1. Main Characteristics 8.8.2. Keys Factors of Digitization
10. Digitization of the Secondary Sector: Mining		
	10. Industrialized Processes in Industry 4.0. Use Case 10.1. Project Definition 10.2. Technological Selection 10.3. Connectivity 10.4. Data Exploitation  Solutions (I)  2. Digitalization of Processes and the Value Chain 1.1. Value Chain 1.2. Key Steps in the Digitization of Processes  6. Sector Solutions Secondary Sector 1.1. The Secondary Economic Sector 1.2. Characteristics of Each Subsector  10. Digitization of the Secondary	7.7.1. Standardized Fieldbuses 6.2. Connectivity 7.7.2. Fault Identification and Analysis Proactive Actions Based on Predictive Maintenance  7.7.2. Fault Identification and Analysis Proactive Actions Based on Predictive Maintenance  10. Industrialized Processes in Industry 4.0. Use Case 10.1. Project Definition 10.2. Technological Selection 10.3. Connectivity 10.4. Data Exploitation  2. Digitalization of Processes and the Value Chain 2.1. Value Chain 2.2. Key Steps in the Digitization of Processes  8.3. Sector Solutions Primary Sector 8.3.1. The Primary Economic Sector 8.3.2. Characteristics of Each Subsector  8.7. Digitization of the Secondary Sector: Smart Factory 8.7.1. Main Characteristics 8.7.2. Keys Factors of Digitization  10. Digitization of the Secondary

8.10.1. Main Characteristics 8.10.2. Keys Factors of Digitization

8.9.1. Main Characteristics8.9.2. Keys Factors of Digitization

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Mod	<b>ule 9.</b> Industry 4.0. Services and Secto	rial S <u>ol</u>	utions (II)				
	Tertiary Sector Solutions Tertiary Economic Sector	<b>9.2.</b> 9.2.1.	Digitization of the Tertiary Sector: Transport Main Characteristics Keys Factors of Digitization	9.3.1.	Digitization of the Tertiary Sector: eHealth Main Characteristics Keys Factors of Digitization	9.4.1.	Digitization of the Tertiary Sector Smart Hospitals Main Characteristics Keys Factors of Digitization
9.5.1.	Digitization of the Tertiary Sector: Smart Cities Main Characteristics Keys Factors of Digitization		Digitization of the Tertiary Sector: Logistics Main Characteristics Keys Factors of Digitization		Digitization of the Tertiary Sector: Tourism  Main Characteristics Keys Factors of Digitization		Digitization of the Tertiary Sector Fintech Main Characteristics Keys Factors of Digitization
9.9.1.	Digitization of the Tertiary Sector: Mobility Main Characteristics Keys Factors of Digitization	9.10.1	Future Technological Tendencies  New Technological Innovations Application Trends				
	ule 10. Internet of Things (IoT)						
10.1.1 10.1.2	Cyber-Physical Systems (CPS) in the Industry 4.0 Vision I. Internet of Things (IoT) Components Involved in IoT Cases and Applications of IoT	10.2.1	<ul> <li>Internet of Things and Cyber-Physical Systems</li> <li>Computing and Communication Capabilities to Physical Objects</li> <li>Sensors, Data and Elements in Cyber-Physical Systems</li> </ul>	10.3.1	Device Ecosystem  Typologies, Examples and Uses Applications of the Different Devices	10.4.1	. IoT Platforms and their Architecture . IoT Market Typologies and Platforms 2. Operation of an IoT Platform
10.5.1	. Digital Twins  1. Digital Twins  2. Uses and Applications the Digital Twin	10.6.1	Indoor & outdoor Geolocation (Real Time Geospatial) Indoor and Outdoor Geolocation Platforms Implications and Challenges of Geolocation in an IoT Project	10.7.1	Security Intelligence Systems  Typologies and Platforms for Security Systems Implementation Components and Architectures in Intelligent Safety Systems	10.8.1	. IoT and IIoT Platform Security . Security Components in an IoT System 2. IoT Security Implementation Strategies
10.9.	D. Wearables at Work  1. Types of Wearables in Industrial Environments  2. Lessons Learned and Challenges in Implementing Wearables in the Workplace	10.10 10.10	O. Implementing an API to Interact with a Platform  O.1. Types of APIs Involved in an IoT Platform O.2. API Market O.3. Strategies and Systems to Implement API Integrations				

#### Module 11. Leadership, Ethics and Social Responsibility in Companies

#### 11.1. Globalization and Governance

- 11.1.1. Governance and Corporate Governance
- 11.1.2. The Fundamentals of Corporate Governance in Companies
- 11.1.3. The Role of the Board of Directors in the Corporate Governance Framework

#### 11.2. Leadership

- 11.2.1. Leadership A Conceptual Approach
- 11.2.2. Leadership in Companies
- 11.2.3. The Importance of Leaders in Business Management

#### 11.3. Cross Cultural Management

- 11.3.1. Cross Cultural Management Concept
- 11.3.2. Contributions to Knowledge of National Cultures
- 11.3.3. Diversity Management

## 11.4. Management and Leadership Development

- 11.4.1. Concept of Management Development
- 11.4.2. Concept of Leadership
- 11.4.3. Leadership Theories
- 11.4.4. Leadership Styles
- 11.4.5. Intelligence in Leadership
- 11.4.6. The Challenges of Today's Leader

#### 11.5. Business Ethics

- 11.5.1. Ethics and Morality
- 11.5.2. Business Ethics
- 11.5.3. Leadership and Ethics in Companies

#### 11.6. Sustainability

- 11.6.1. Sustainability and Sustainable Development
- 11.6.2. The 2030 Agenda
- 11.6.3. Sustainable Companies

#### 11.7. Corporate Social Responsibility

- 11.7.1. International Dimensions of Corporate Social Responsibility
- 11.7.2. Implementing Corporate Social Responsibility
- 11.7.3. The Impact and Measurement of Corporate Social Responsibility

## 11.8. Responsible Management Systems and Tools

- 11.8.1. CSR: Corporate Social Responsibility
- 11.8.2. Essential Aspects for Implementing a Responsible Management Strategy
- 11.8.3. Steps for the Implementation of a Corporate Social Responsibility Management System
- 11.8.4. CSR Tools and Standards

#### 11.9. Multinationals and Human Rights

- 11.9.1. Globalization, Multinational Companies and Human Rights
- 11.9.2. Multinational Corporations and International Law
- 11.9.3. Legal Instruments for Multinationals in the Area of Human Rights

## 11.10. Legal Environment and Corporate Governance

- 11.10.1. International Rules on Importation and Exportation
- 11.10.2. Intellectual and Industrial Property
- 11.10.3. International Labor Law

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Module 12. People and Talent Management			
<ul><li>12.1. Strategic People Management</li><li>12.1.1. Strategic Human Resources Management</li><li>12.1.2. Strategic People Management</li></ul>	<ul> <li>12.2. Human Resources Management by Competencies</li> <li>12.2.1. Analysis of the Potential</li> <li>12.2.2. Remuneration Policy</li> <li>12.2.3. Career/Succession Planning</li> </ul>	<ul> <li>12.3. Performance Evaluation and Performance Management</li> <li>12.3.1. Performance Management</li> <li>12.3.2. Performance Management: Objectives and Process</li> </ul>	<ul> <li>12.4. Innovation in Talent and People Management</li> <li>12.4.1. Strategic Talent Management Models</li> <li>12.4.2. Talent Identification, Training and Development</li> <li>12.4.3. Loyalty and Retention</li> <li>12.4.4. Proactivity and Innovation</li> </ul>
<ul><li>12.5. Motivation</li><li>12.5.1. The Nature of Motivation</li><li>12.5.2. Expectations Theory</li><li>12.5.3. Needs Theory</li><li>12.5.4. Motivation and Financial Compensation</li></ul>	<ul> <li>12.6. Developing High Performance Teams</li> <li>12.6.1. High-Performance Teams: Self-Managed Teams</li> <li>12.6.2. Methodologies for the Management of High Performance Self-Managed Teams</li> </ul>	<ul> <li>12.7. Change Management</li> <li>12.7.1. Change Management</li> <li>12.7.2. Type of Change Management Processes</li> <li>12.7.3. Stages or Phases in the Change Management Process</li> </ul>	<ul> <li>12.8. Negotiation and Conflict Management</li> <li>12.8.1. Negotiation</li> <li>12.8.2 Conflicts Management</li> <li>12.8.3 Crisis Management</li> </ul>
<ul> <li>12.9. Executive Communication</li> <li>12.9.1. Internal and External Communication in the Corporate Environment</li> <li>12.9.2. Communication Departments</li> <li>12.9.3. The Person in Charge of Communication of the Company The Profile of the Dircom</li> </ul>	12.10. Productivity, Attraction, Retention and Activation of Talent 12.10.1. Productivity 12.10.2. Talent Attraction and Retention Levers		

Module 13. Economic and Financial Management						
<ul> <li>13.1. Economic Environment</li> <li>13.1.1. Macroeconomic Environment and the National Financial System</li> <li>13.1.2. Financial Institutions</li> <li>13.1.3. Financial Markets</li> <li>13.1.4. Financial Assets</li> <li>13.1.5. Other Financial Sector Entities</li> </ul>	<ul> <li>13.2. Executive Accounting</li> <li>13.2.1. Basic Concepts</li> <li>13.2.2. The Company's Assets</li> <li>13.2.3. The Company's Liabilities</li> <li>13.2.4. The Company's Net Worth</li> <li>13.2.5. The Income Statement</li> </ul>	<ul> <li>13.3. Information Systems and Business Intelligence</li> <li>13.3.1. Fundamentals and Classification</li> <li>13.3.2. Cost Allocation Phases and Methods</li> <li>13.3.3. Choice of Cost Center and Impact</li> </ul>	<ul> <li>13.4. Budget and Management Control</li> <li>13.4.1. The Budget Model</li> <li>13.4.2. The Capital Budget</li> <li>13.4.3. The Operating Budget</li> <li>13.4.5. Treasury Budget</li> <li>13.4.6. Budget Monitoring</li> </ul>			
<ul> <li>13.5. Financial Management</li> <li>13.5.1. The Company's Financial Decisions</li> <li>13.5.2. Financial Department</li> <li>13.5.3. Cash Surpluses</li> <li>13.5.4. Risks Associated with Financial Management</li> <li>13.5.5. Financial Administration Risk Management</li> </ul>	<ul> <li>13.6. Financial Planning</li> <li>13.6.1. Definition of Financial Planning</li> <li>13.6.2. Actions to be Taken in Financial Planning</li> <li>13.6.3. Creation and Establishment of the Business Strategy</li> <li>13.6.4. The Cash Flow Table</li> <li>13.6.5. The Working Capital Table</li> </ul>	<ul> <li>13.7. Corporate Financial Strategy</li> <li>13.7.1. Corporate Strategy and Sources of Financing</li> <li>13.7.2. Financial Products for Corporate Financing</li> </ul>	<ul> <li>13.8. Strategic Financing</li> <li>13.8.1. Self-Financing</li> <li>13.8.2. Increase in Equity</li> <li>13.8.3. Hybrid Resources</li> <li>13.8.4. Financing Through Intermediaries</li> </ul>			
<ul> <li>13.9. Financial Analysis and Planning</li> <li>13.9.1. Analysis of the Balance Sheet</li> <li>13.9.2. Analysis of the Income Statement</li> <li>13.9.3. Profitability Analysis</li> </ul>	13.10. Analyzing and Solving Cases/ Problems 13.10.1. Financial Information on Industria de Diseño y Textil, S.A. (INDITEX)					

## tech 36 | Structure and Content

14.9.7. Communication Scenarios

Module 14. Commercial and Strategic Marketing Management							
<ul> <li>14.1. Commercial Management</li> <li>14.1.1. Conceptual Framework of Commercial Management</li> <li>14.1.2. Business Strategy and Planning</li> <li>14.1.3. The Role of Sales Managers</li> </ul>	<ul><li>14.2. Marketing</li><li>14.2.1. The Concept of Marketing</li><li>14.2.2. Basic Elements of Marketing</li><li>14.2.3. Marketing Activities of the Company</li></ul>	<ul> <li>14.3. Strategic Marketing Management</li> <li>14.3.1. The Concept of Strategic Marketing</li> <li>14.3.2. Concept of Strategic Marketing Planning</li> <li>14.3.3. Stages in the Process of Strategic Marketing Planning</li> </ul>	<ul> <li>14.4. Digital Marketing and e-Commerce</li> <li>14.4.1. Digital Marketing and E-commerce Objectives</li> <li>14.4.2. Digital Marketing and Media Used</li> <li>14.4.3. E-Commerce General Context</li> <li>14.4.4. Categories of E-commerce</li> <li>14.4.5. Advantages and Disadvantages of E-commerce Versus Traditional Commerce</li> </ul>				
<ul> <li>14.5. Digital Marketing to Reinforce a Brand</li> <li>14.5.1. Online Strategies to Improve Your Brand's Reputation</li> <li>14.5.2. Branded Content and Storytelling</li> </ul>	<ul> <li>14.6. Digital Marketing to Attract and Retain Customers</li> <li>14.6.1. Loyalty and Engagement Strategies through the Internet</li> <li>14.6.2. Visitor Relationship Management</li> <li>14.6.3. Hypersegmentation</li> </ul>	<ul> <li>14.7. Managing Digital Campaigns</li> <li>14.7.1. What is a Digital Advertising Campaign?</li> <li>14.7.2. Steps to Launch an Online Marketing Campaign</li> <li>14.7.3. Mistakes in Digital Advertising Campaigns</li> </ul>	14.8. Sales Strategy 14.8.1. Sales Strategy 14.8.2. Sales Methods				
<ul> <li>14.9. Corporate Communication</li> <li>14.9.1. Concept</li> <li>14.9.2. The Importance of Communication in the Organization</li> <li>14.9.3. Type of Communication in the Organization</li> <li>14.9.4. Functions of Communication in the Organization</li> <li>14.9.5. Elements of Communication</li> <li>14.9.6. Communication Problems</li> </ul>	<ul> <li>14.10. Digital Communication and Reputation</li> <li>14.10.1. Online Reputation</li> <li>14.10.2. How to Measure Digital Reputation?</li> <li>14.10.3. Online Reputation Tools</li> <li>14.10.4. Online Reputation Report</li> <li>14.10.5. Online Branding</li> </ul>						

Module 15. Executive Management			
15.1. General Management 15.1.1. The Concept of General Management 15.1.2. The Role of the CEO 15.1.3. The CEO and their Responsibilities 15.1.4. Transforming the Work of Management	<ul><li>15.2. Manager Functions: Organizational Culture and Approaches</li><li>15.2.1. Manager Functions: Organizational Culture and Approaches</li></ul>	15.3. Operations Management 15.3.1. The Importance of Management 15.3.2. Value Chain 15.3.3. Quality Management	<ul> <li>15.4. Public Speaking and Spokesperson Education</li> <li>15.4.1. Interpersonal Communication</li> <li>15.4.2. Communication Skills and Influence</li> <li>15.4.3. Communication Barriers</li> </ul>
<ul> <li>15.5. Personal and Organizational Communications Tools</li> <li>15.5.1. Interpersonal Communication</li> <li>15.5.2. Interpersonal Communication Tools</li> <li>15.5.3. Communication in the Organization</li> <li>15.5.4. Tools in the Organization</li> </ul>	15.6. Communication in Crisis Situations 15.6.1. Crisis 15.6.2. Phases of the Crisis 15.6.3. Messages: Contents and Moments	15.7. Preparation of a Crisis Plan 15.7.1. Analysis of Possible Problems 15.7.2. Planning 15.7.3. Adequacy of Personnel	15.8. Emotional Intelligence 15.8.1. Emotional Intelligence and Communication 15.8.2. Assertiveness, Empathy, and Active Listening 15.8.3. Self-Esteem and Emotional Communication
15.9. Personal Branding 15.9.1. Strategies for Personal Brand Development 15.9.2. Personal Branding Laws 15.9.3. Tools for Creating Personal Brands	<ul> <li>15.10. Leadership and Team Management</li> <li>15.10.1. Leadership and Leadership Styles</li> <li>15.10.2. Leader Capabilities and Challenges</li> <li>15.10.3. Managing Change Processes</li> <li>15.10.4. Managing Multicultural Teams</li> </ul>		



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.





# tech 40 | Methodology

# 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.





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.

# tech 42 | Methodology

#### **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.



## Methodology | 43 tech

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.



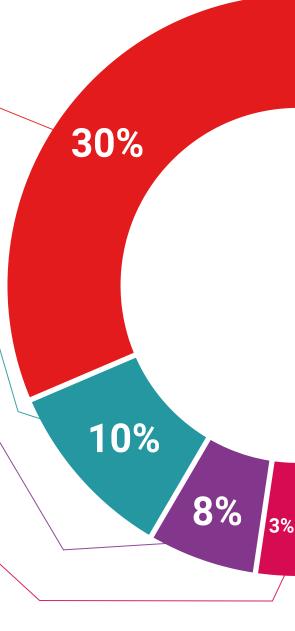
#### **Management Skills Exercises**

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.



# Methodology | 45 tech



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.

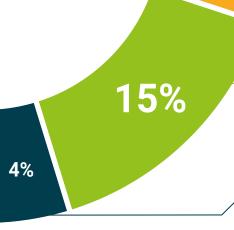


This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

#### **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.

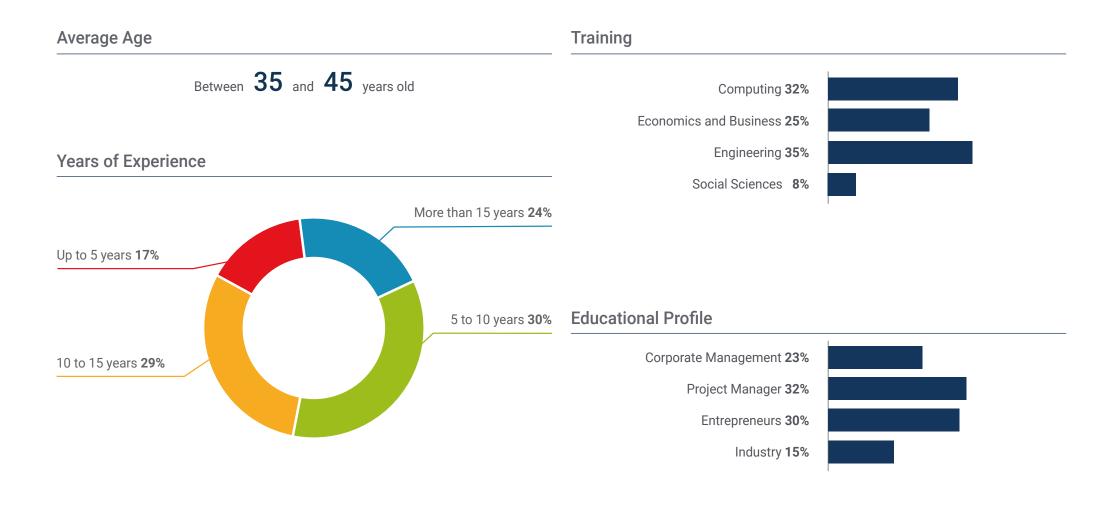




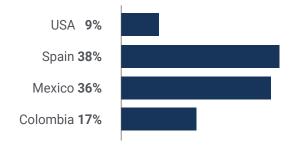




# tech 48 | Our Students' Profiles



#### **Geographical Distribution**





# José Manuel Pérez

#### **Degree in Economics**

"I was looking for a program that would lead me to undertake with the guarantees of knowing everything I needed to know about digital transformation and its application in different sectors, and in this program I have found it. And its teaching methodology has made things easy for me, without imposing schedules, being able to study at my own pace"





With over 20 years of experience in designing and leading global **talent acquisition teams,**Jennifer Dove is an expert in **technology recruitment and strategy.** Throughout her career, she has held senior positions in several technology organizations within Fortune 50 companies such as NBC Universal and Comcast. Her track record has allowed her to excel in competitive, high-growth environments.

As Vice President of Talent Acquisition at Mastercard she is responsible for overseeing talent onboarding strategy and execution, collaborating with business leaders and HR Managers to meet operational and strategic hiring objectives. In particular, she aims to build diverse, inclusive and high-perfoming teams that drive innovation and growth of the company's products and services. In addition, she is adept at using tools to attract and retain the best people from around the world. She is also responsible for amplifying Mastercard's employer brand and value proposition through publications, events and social media.

Jennifer Dove has demonstrated her commitment to continuous professional development by actively participating in networks of HR professionals and contributing to the onboarding of numerous employees at different companies. After earning her bachelor's degree in **Organizational Communication** from the University of Miami, she is now a graduate of the University of Miami.

On the other hand, it has been recognized for its ability to lead organizational transformations, integrate technologies into recruitment processes and develop leadership programs that prepare institutions for future challenges. She has also successfully implemented wellness programs that have significantly increased employee satisfaction and retention.



# Ms. Dove, Jennifer

- Vice President of Talent Acquisition at Mastercard, New York, United States
- Director of Talent Acquisition at NBCUniversal Media, New York, USA
- Head of Recruitment at Comcast
- Director of Recruiting at Rite Hire Advisory, New York, USA
- Executive Vice President of the Sales Division at Ardor NY Real Estate
- Director of Recruitment at Valerie August & Associates
- Account Executive at BNC
- Account Executive at Vault
- Graduated in Organizational Communication from the University of Miami

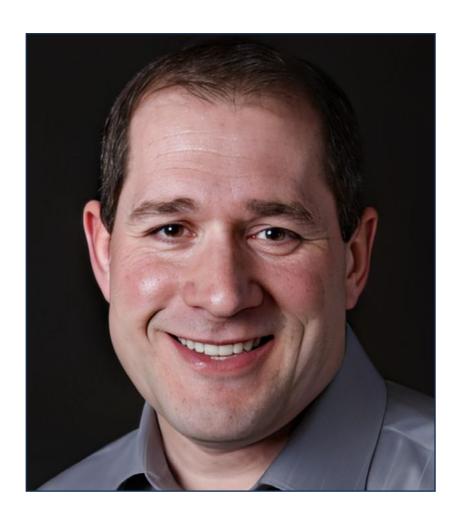


Thanks to TECH you will be able to learn with the best professionals in the world"

A technology leader with decades of experience in **major technology multinationals**, Rick Gauthier has developed prominently in the field of clouds services and end-to-end process improvement. He has been recognized as a leader and manager of highly efficient teams, showing a natural talent for ensuring a high level of engagement among his employees.

He possesses innate gifts in strategy and executive innovation, developing new ideas and backing his success with quality data. His background at **Amazon** has allowed him to manage and integrate the company's IT services in the United States. At **Microsoft** he has led a team of 104 people, responsible for providing corporate-wide IT infrastructure and supporting product engineering departments across the company.

This experience has allowed him to stand out as a high-impact manager with remarkable abilities to increase efficiency, productivity and overall customer satisfaction.



# D. Gauthier, Rick

- Regional IT Director at Amazon, Seattle, USA
- Senior Program Manager at Amazon
- Vice President of Wimmer Solutions
- Senior Director of Productive Engineering Services at Microsoft
- Degree in Cybersecurity from Western Governors University
- Technical Certificate in Commercial Diving from Divers Institute of Technology
- B.S. in Environmental Studies from The Evergreen State College



Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"

Romi Arman is a renowned international expert with more than two decades of experience in **Digital Transformation, Marketing, Strategy and Consulting**. Through that extended trajectory, he has taken different risks and is a permanent advocate for **innovation and change** in the business environment. With that expertise, he has collaborated with CEOs and corporate organizations from all over the world, pushing them to move away from traditional business models. In this way, he has helped companies such as Shell Energy become **true market leaders**, focused on their **customers** and the **digital world**.

The strategies designed by Arman have a latent impact, as they have enabled several corporations to improve the experiences of consumers, staff and shareholders alike. The success of this expert is quantifiable through tangible metrics such as CSAT, employee engagement in the institutions where he has practiced and the growth of the EBITDA financial indicator in each of them.

Also, in his professional career, he has nurtured and **led high-performance teams** that have even received awards for their **transformational potential**. With Shell, specifically, the executive has always set out to overcome three challenges: meeting **customers' complex decarbonization demands supporting a "cost-effective decarbonization" and overhauling a fragmented data, digital and technology landscape**. Thus, his efforts have shown that in order to achieve sustainable success, it is essential to start from the needs of consumers and lay the foundations for the transformation of processes, data, technology and culture.

In addition, the executive stands out for his mastery of the **business applications** of **Artificial Intelligence**, a subject in which he holds a postgraduate degree from the London Business School.

At the same time, he has accumulated experience in **IoT** and **Salesforce**.



# Mr. Arman, Romi

- Digital Transformation Director (CDO) at Shell Energy Corporation, London, UK
- Global Director of E-Commerce and Customer Service at Shell Energy Corporation
- National Key Account Manager (OEM and automotive retailers) for Shell in Kuala Lumpur, Malaysia
- Senior Management Consultant (Financial Services Sector) for Accenture based in Singapore
- Graduate of the University of Leeds
- Graduate Diploma in Business Applications of Al for Senior Executives from London Business School
- CCXP Customer Experience Professional Certification
- IMD Executive Digital Transformation Course



Do you want to update your knowledge with the highest educational quality?
TECH offers you the most updated content in the academic market, designed by authentic experts of international prestige"

Manuel Arens is an **experienced data management professional** and leader of a highly qualified team. In fact, Arens holds the position of **global purchasing manager** in Google's Technical Infrastructure and Data Center division, where he has spent most of his professional career. Based in Mountain View, California, he has provided solutions for the tech giant's operational challenges, such as master **data integrity, vendor data updates** and **vendor prioritization**. He has led data center supply chain planning and vendor risk assessment, generating improvements in vendor risk assessment, resulting in process improvements and workflow management that have resulted in significant cost savings.

With more than a decade of work providing digital solutions and leadership for companies in diverse industries, he has extensive experience in all aspects of strategic solution delivery, including marketing, media analytics, measurement and attribution. In fact, he has received a number of accolades for his work, including the BIM Leadership Award, the Search Leadership Award, the Lead Generation Export Program Award and the Export Lead Generation Program Award and the EMEA Best Sales Model Award.

Arens also served as Sales Manager in Dublin, Ireland. In this role, he built a team of 4 to 14 members over three years and led the sales team to achieve results and collaborate well with each other and cross-functional teams. He also served as **Senior Industry Analyst**, Hamburg, Germany, creating storylines for over 150 clients using internal and third-party tools to support analysis. He developed and wrote in-depth reports to demonstrate his mastery of the subject matter, including understanding the **macroeconomic and political/regulatory factors** affecting technology adoption and diffusion.

He has also led teams at companies such as Eaton, Airbus and Siemens, where he gained valuable account management and supply chain experience. He is particularly noted for continually exceeding expectations by building valuable customer relationships and working seamlessly with people at all levels of an organization, including stakeholders, management, team members and customers. His data-driven approach and ability to develop innovative and scalable solutions to industry challenges have made him a prominent leader in his field.



# Mr. Arens, Manuel

- Global Procurement Manager at Google, Mountain View, USA
- Senior Manager, B2B Analytics and Technology, Google, USA
- Sales Director Google, Ireland
- Senior Industry Analyst at Google, Germany
- Accounts Manager Google, Ireland
- Accounts Payable at Eaton, UK
- Supply Chain Manager at Airbus, Germany



Bet on TECH! You will have access to the best didactic materials, at the forefront of technology and education, implemented by internationally renowned specialists in the field"

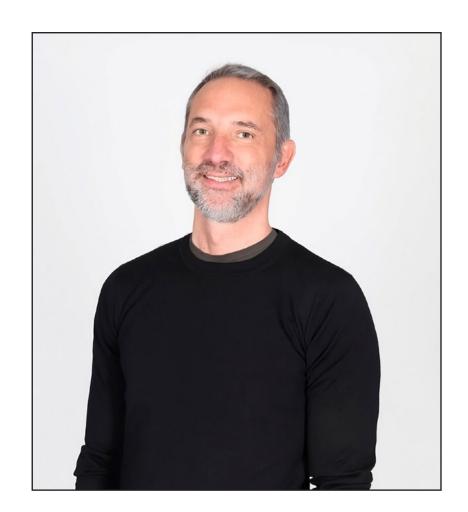
Andrea La Sala is an **experienced Marketing executive** whose projects have had a **significant impact on the Fashion environment**. Throughout his successful career he has developed different tasks related to **Products, Merchandising and Communication**. All of this linked to with prestigious brands such as **Giorgio Armani, Dolce&Gabbana, Calvin Klein,** among others.

The results of this high-profile international executive have been linked to his proven ability to synthesize information in clear frameworks and execute concrete actions aligned to specific business objectives. In addition, he is recognized for his proactivity and adaptability to fast-paced work rhythms. To all this, this expert adds a strong commercial awareness, market vision and a genuine passion for products.

As Global Brand and Merchandising Director at Giorgio Armani, he has overseen a variety of Marketing strategies for apparel and accesories. His tactics have also focused on the retail environment and consumer needs and behavior. In this La Sala has also been responsible for shaping the commercialization of products in different markets, acting as team leader in the Design, Communication and Sales departments.

On the other hand, in companies such as **Calvin Klein or Gruppo Coin**, he has undertaken projects **to boost the structure**, and **development of different collections**. He has been in charge of creating **effective calendars** for buying and selling **campaings**. He has also been in charge of the **terms**, **costs**, **processes and delivery times** of different operations.

These experiences have made Andrea La Sala one of the main and most qualified **corporate leaders** in **Fashion** and **Luxury**. A high managerial capacity with which he has managed to effectively **implement** the **positive positioning** of **different brands** and **redefine** their key performance indicators (KPIs).



# Ms. La Sala, Andrea

- Global Brand & Merchandising Director Armani Exchange at Giorgio Armani, Milan, Italy
- Merchandising Director at Calvin Klein
- Brand Manager at Gruppo Coin
- Brand Manager at Dolce&Gabbana
- Brand Manager at Sergio Tacchini S.p.A.
- Market Analyst at Fastweb
- Graduate of Business and Economics at Università degli Studi del Piemonte Orientale



The most qualified and experienced professionals at international level are waiting for you at TECH to offer you a first class teaching, updated and based on the latest scientific evidence. What are you waiting for to enroll?"

Mick Gram is synonymous with innovation and excellence in the field of **Business Intelligence** internationally. His successful career is linked to leadership positions in multinationals such as **Walmart** and **Red Bull**. Likewise, this expert stands out for his vision to **identify emerging** technologies that, in the long term, achieve an everlasting impact in the corporate environment.

On the other hand, the executive is considered a **pioneer in the use of data visualization techniques** that simplified complex sets, making them accessible and facilitating decision making. This ability became the pillar of his professional profile, transforming him into a desired asset for many organizations that bet on **gathering information** and **generating concrete actions** from them.

One of his most outstanding projects in recent years has been the **Walmart Data Cafe platform**, the largest of its kind in the world that is anchored in the cloud aimed at **Big Dataanalysis**. In addition, he has held the position of **Director of Business Intelligence at Red Bull**, covering areas such as **Sales, Distribution, Marketing and Supply Chain Operations**. His team was recently recognized for its constant innovation regarding the use of Walmart Luminate's new API for Shopper and Channel insights.

As for his training, the executive has several Masters and postgraduate studies at prestigious centers such as the **University of Berkeley**, in the United States, and the **University of Copenhagen**, in Denmark. Through this continuous updating, the expert has attained cutting-edge competencies. Thus, he has come to be considered a **born leader of the new global economy**, centered on the drive for data and its infinite possibilities.



# Mr. Gram, Mick

- Director of Business Intelligence and Analytics at Red Bull, Los Angeles, United States
- Business Intelligence Solutions Architect for Walmart Data Cafe
- Independent Business Intelligence and Data Science Consultant
- Director of Business Intelligence at Capgemini
- Senior Analyst at Nordea
- Senior Business Intelligence Consultant at SAS
- Executive Education in AI and Machine Learning at UC Berkeley College of Engineering
- Executive MBA in e-commerce at the University of Copenhagen
- B.Sc. and M.Sc. in Mathematics and Statistics at the University of Copenhagen



Study at the best online university in the world according to Forbes! In this MBA you will have access to an extensive library of multimedia resources, developed by internationally renowned professors"

# tech 64 | Course Management

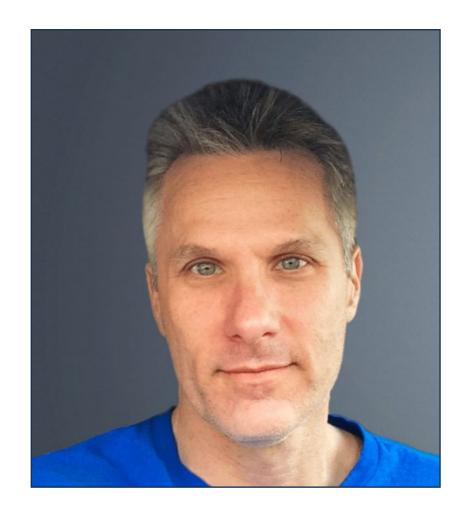
#### **International Guest Director**

Scott Stevenson is a distinguished expert in the **Digital Marketing** sector who, for more than 19 years, has been linked to one of the most powerful companies in the entertainment industry, **Warner Bros. Discovery.** In this role, he has played a fundamental role in **overseeing logistics and creative workflows** across various digital platforms, including social media, search, display and linear media.

This executive's leadership has been crucial in driving in production **strategies** in **paid media**, resulting in a **marked improvement** which has resulted in **company's conversion** rates. At the same time, he has assumed other roles, such as Director of Marketing Services and Traffic Manager at the same multinational during his former management.

Stevenson has also been involved in the global distribution of video games and **digital property campaigns**. He was also responsible for introducing operational strategies related to the formation, completion and delivery of sound and image content for **television commercials and trailers**.

In addition, he holds a Bachelor's degree in Telecommunications from the University of Florida and a Master's Degree in Creative Writing from the University of California, which demonstrates his proficiency in **communication** and **storytelling**. In addition, he has participated at Harvard University's School of Professional Development in cutting-edge programs on the use of **Artificial Intelligence** in **business**. Therefore, his professional profile stands as one of the most relevant in the current field of **Marketing** and **Digital Media**.



# Mr. Stevenson, Scott

- Director of Digital Marketing at Warner Bros. Discovery, Burbank, United States
- Traffic Manager at Warner Bros. Entertainment.
- M.A. in Creative Writing from the University of California
- B.S. in Telecommunications from the University of Florida



Achieve your academic and career goals with the best qualified experts in the world!
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Eric Nyquist, Ph.D., is a leading **international sports professional** who has built an impressive career, noted for his **strategic leadership** and ability to drive change and **innovation in world-class** sports organizations.

In fact, he has held senior roles such as **Director of Communications and Impact at NASCAR**, based in **Florida**, **USA**. With many years of experience behind him at NASCAR, Dr. Nyquist has also held several leadership positions, including **Senior Vice President of Strategic Development and General Manager of Business Affairs**, managing more than a dozen disciplines ranging from **strategic development to entertainment marketing**.

Nyquist has also made a significant mark on Chicago's top sports franchises. As **Executive Vice President of the Chicago Bulls and Chicago White Sox** franchises, he has demonstrated his ability to drive **business and strategic success in the world of professional sports..** 

Finally, it is worth noting that he began his career in sports while working in **New York** as a **senior strategic analyst for Roger Goodell in the National Football League (NFL)** and, prior to that, as a **Legal Intern** with the **United States Football Federation**.



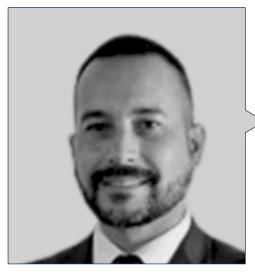
# Mr. Nyquist, Eric

- Director of Communications and Impact at NASCAR, Florida, USA
- Senior Vice President of Strategic Development at NASCAR, Florida, United States
- Vice President of Strategic Planning at NASCAR
- Senior Director of Business Affairs at NASCAR
- Executive Vice President at Chicago White Sox Franchises
- Executive Vice President at Chicago Bulls Franchises
- Manager of Business Planning at the National Football League (NFL)
- Business Affairs/Legal Intern with the United States Soccer Federation
- Juris Doctor from the University of Chicago
- Master's Degree in Business Administration-MBA from the University of Chicago Booth School of Business
- B.A. in International Economics from Carleton College



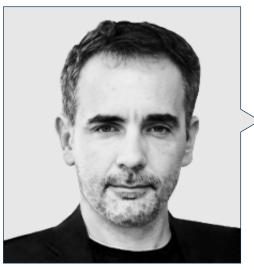
Thanks to this university program, 100% online, you will be able to combine your studies with your daily obligations, under the guidance of the leading international experts in the field of your interest. Enroll now!"

#### Management



#### Mr. Segovia Escobar, Pablo

- Chief Executive of the Defense Sector in TECNOBIT company of the Oesía Group
- Project Manager at Indra
- Master's Degree in Companies Administration and Management by the National University of Distance Education
- Postgraduate in Strategic Management Function
- Member of the English Spanish Association of People with High Intellectual Quotient



#### Mr. Diezma López, Pedro

- Chief Innovation Officer and CEO of Zerintia Technologies
- Founder of the technology company Acuilae
- Member of the Kebala Group for business incubation and promotion
- Consultant for technology companies such as Endesa, Airbus or Telefónica
- Wearable "Best Initiative" Award in eHealth 2017 and "Best Technological "Solution" 2018 for occupational safety

#### **Professors**

#### Ms. Sánchez López, Cristina

- CEO and founder of Acuilae
- Artificial Intelligence consultant at ANHELA IT
- Creator of Ethyka Software for computer systems security
- Software Engineer for Acceture Group, serving clients such as Banco Santanter, BBVA and Endesa
- Master's Degree in Data Science at KSchool
- Degree in Statistics from the Complutense University Madrid

#### Mr. Montes, Armando

- Expert in drones, robots and electronics, and 3D printers
- EMERTECH collaborator developing technology products such as Smart Vest
- Customer Order and Fulfillment Specialist for GE Renewable Energy
- CEO of the School of Superheroes Foundation related to 3D printing and the implementation of smart robots

#### Mr. Castellano Nieto, Francisco

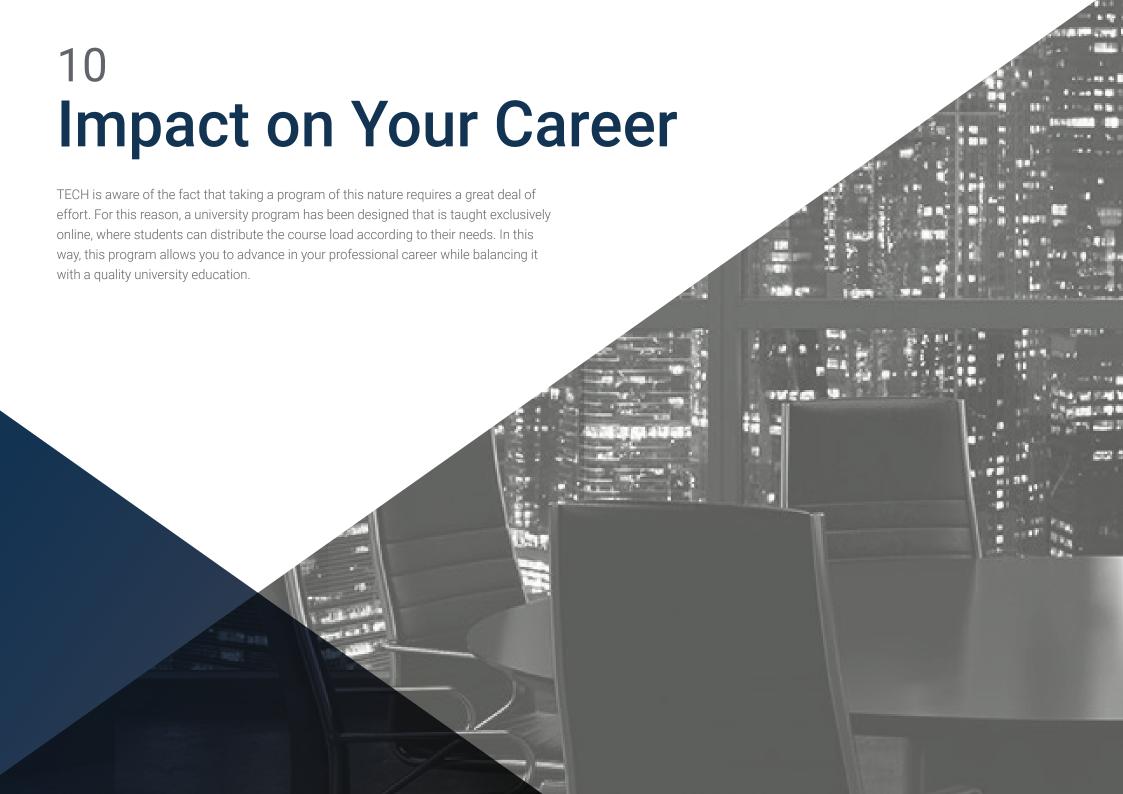
- Head of Indra Company Maintenance Area
- Consultant for Siemens, Allen-Bradley, and other companies
- Industrial Electronic Technical Engineer by the Universidad Pontificia from Comillas

#### Mr. Asenjo Sanz, Álvaro

- IT Consultant for Capitole Consulting
- Project Manager for Kolokium Blockchain Technologies
- IT Engineer for Aubay, Tecnocom, Humantech, Ibermatica and Acens Technologies
- Degree from Computer Engineering of Systems at the Complutense University of Madrid

#### Mr. González Cano, José Luis

- Lighting Designer
- Vocational training teacher in electronic systems, telematics (CISCO certified instructor), radio communications, IoT
- Degree in Optics and Optometry from the Complutense University of Madrid
- Industrial Electronics Technician by Netecad Academy
- Member of: The Professional Association of Lighting Designers (Technical Consultant), Member of the Spanish Lighting Committee





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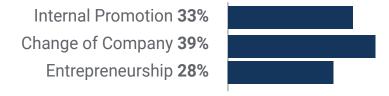
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#### Type of change



## Salary increase

This program represents a salary increase of more than 25.22% for our students

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A salary increase of

25.22%

Salary after **72,500** 





# tech 76 | Benefits for Your Company

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



#### 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.



# 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.



## **Building agents of change**

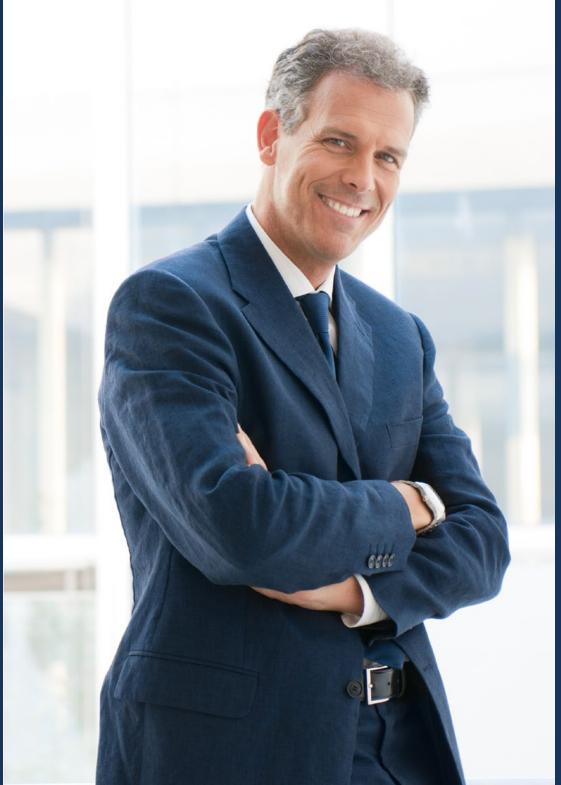
You will be able to make decisions in times of uncertainty and crisis, helping the organization overcome obstacles.



#### Increased international expansion possibilities

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







# **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.



## Increased competitiveness

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





# tech 80 | Certificate

This **MBA** in **Digital Transformation and Industry 4.0** contains the most complete and up-to-date program on the market.

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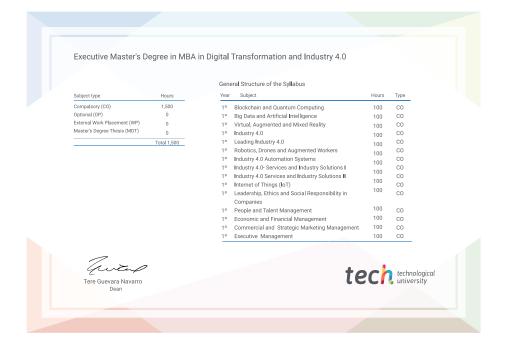
The diploma issued by **TECH Technological University** will express the qualification obtained in the Executive Master's Degree and meets the requirements commonly demanded by job exchanges, competitive examinations and professional career evaluation committees.

Title: Executive Master's Degree in MBA in Digital Transformation and Industry 4.0

Modality: online

Duration: 12 months





<sup>\*</sup>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.



# Executive Master's Degree MBA in Digital Transformation and Industry 4.0

» Modality: online

» Duration: 12 months

» Certificate: TECH Technological University

» Schedule: at your own pace

» Exams: online

