



Executive Master's DegreeDigital Transformation Management and Industry 4.0

» Modalidad: online» Duración: 12 meses

» Titulación: TECH Universidad Tecnológica

» Dedicación: 16h/semana

» Horario: a tu ritmo» Exámenes: online

Target Group: **Graduates and professionals** with demonstrable experience in logistics areas.

Website: www.techtitute.com/us/school-of-business/professional-master-degree/master-digital-transformation-management-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 presented with 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 was created in which the professional will obtain the most advanced and up-to-date knowledge in Blockchain and Quantum Computing, Big Data, Artificial Intelligence or automation systems through a theoretical-practical approach. 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 combines 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.

100,000+

200+

executives trained 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 studies in the academic community"

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 (a postgraduate learning methodology with the highest international rating) with the Case Study. A complex balance between tradition and state-of-the-art, within the context of the most demanding academic 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 students with a multitude of professional and personal advantages, particularly the following:



A significant career boost

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 participants achieve positive career development in less than 2 years.



Develop a strategic and global vision of companies

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

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.



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 areas 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.



Be part of an exclusive community

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

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





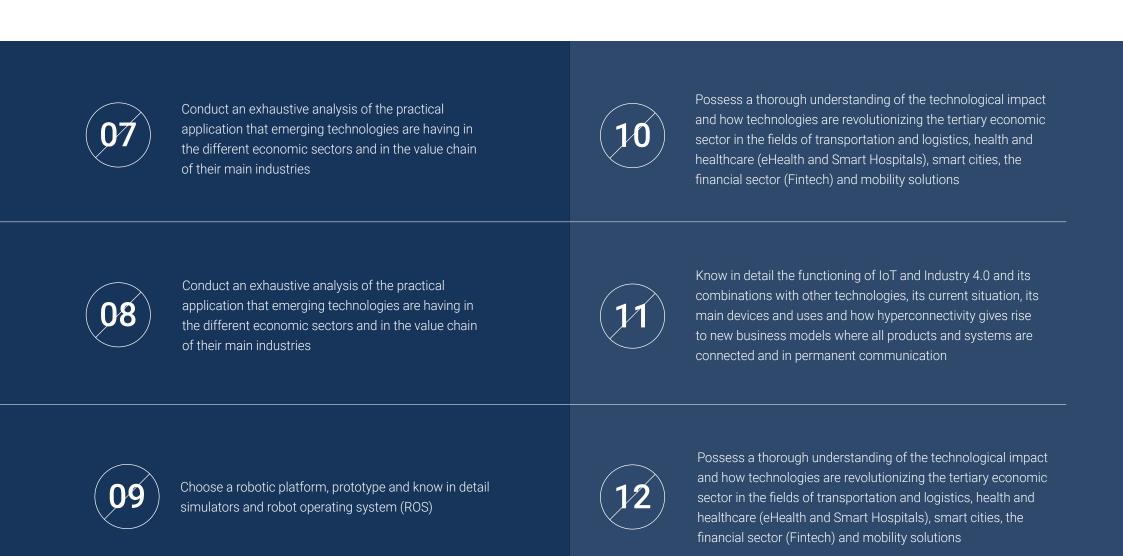
tech 16 | Objectives

Your goals are our goals.

We work together to help you achieve them

The Executive Master's Degree in Digital Transformation and Industry 4.0 Management will enable you to:











tech 20 | Skills

At the end of this program, the professional will be able to:



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

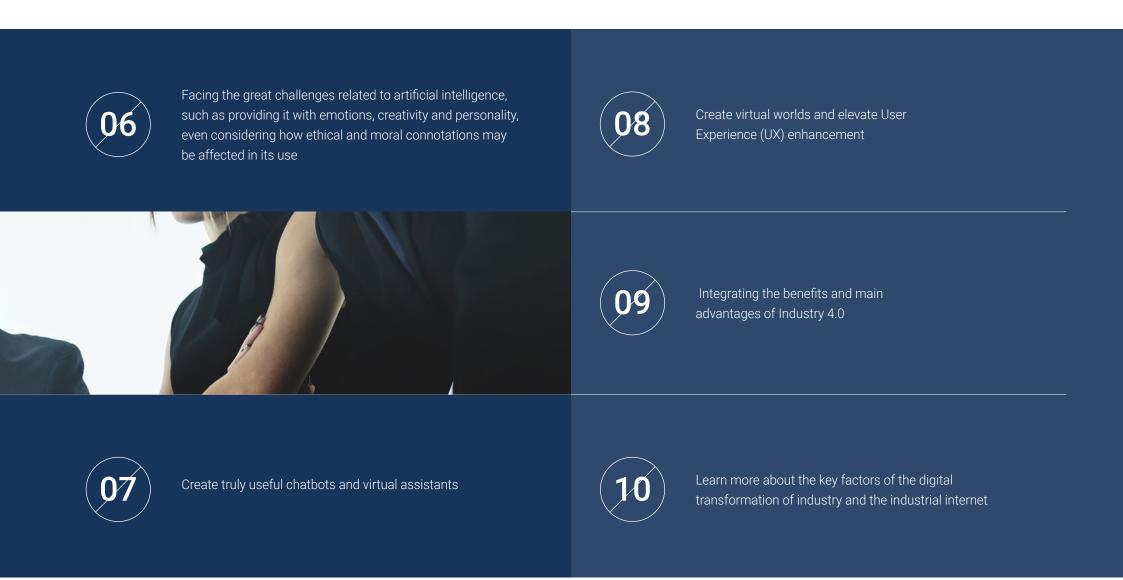




Maximize value creation for the customer by applying Lean Manufacturing to the digitalization of our production process



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

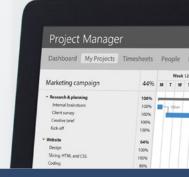


Mastering the essential technologies of Industry 4.0



Develop future production models



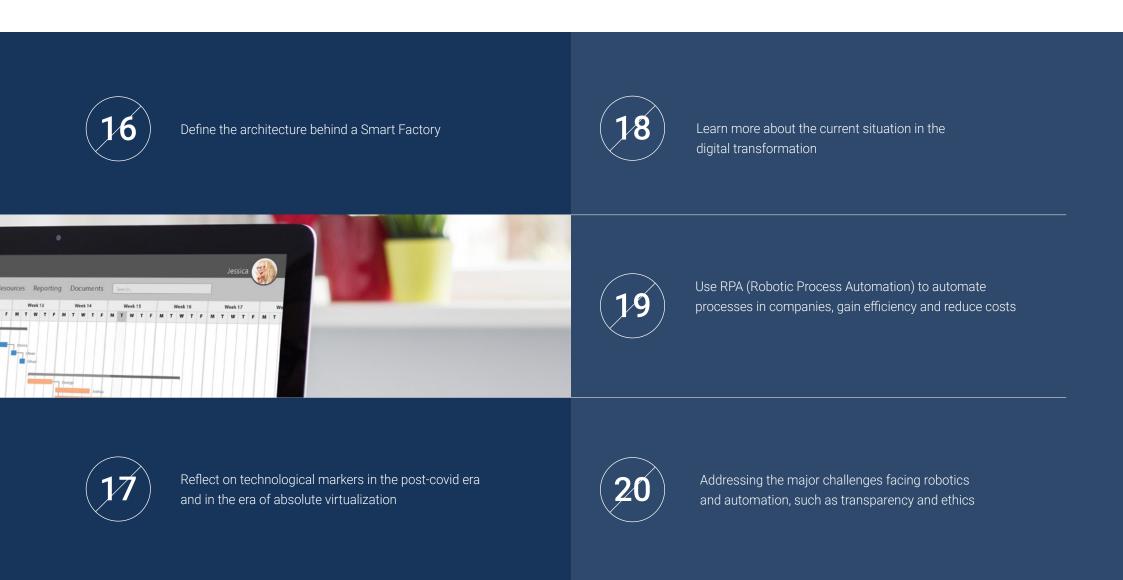




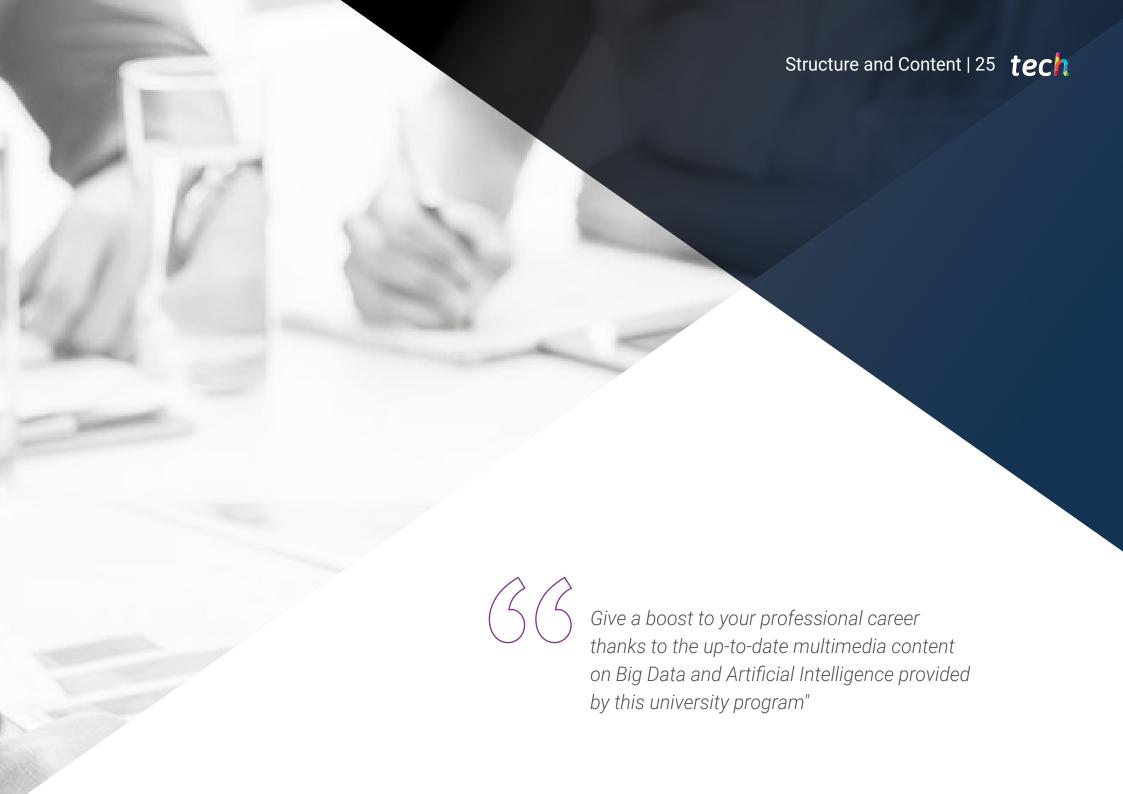
Facing the challenges of Industry 4.0 and understanding its effects



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







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Syllabus

The Executive Master's Degree in Digital Transformation Management and Industry 4.0 from TECH Technological University is an intensive program that prepares professionals to face challenges and business decisions in the technological field.

The content of the Executive Master's Degree is designed to promote the development of managerial skills that allow for more rigorous decision-making in uncertain environments.

Throughout the 1,500 hours of education, students analyze practical cases developed by the 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 Executive Master's Degree 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 skills to solve critical situations in a creative and efficient manner.

The program takes place over 12 months and is divided into 10 modules:

Module 1	Blockchain and Quantum Computing
Module 2	Big Data and Artificial Intelligence
Module 3	Virtual Reality Augmented and Mixed
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 Sectorial Solutions I
Module 9	Industry 4.0 - Services and Sectorial Solutions II
Module 10	The Internet of Things



Where, when, and how it is taught?

TECH offers the possibility of developing this Executive Master's Degree in Digital Transformation Management and Industry 4.0 completely online. Over the course of 12 months, you will be able to access all the contents of this program at any time, allowing you to self-manage your 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		
	Aspects of Decentralization Market Size, Growth, Companies and Ecosystem Fundamentals of Blockchain	1.2. Background: Bitcoin, Ethereum, etc.1.2.1. Popularity of Decentralized Systems1.2.2. Evolution of Decentralized Systems	1.3. Blockchain Operation and Examples1.3.1. Types of Blockchain and Protocols1.3.2. Wallets, Mining and More	 1.4. Characteristics of Blockchain Networks 1.4.1. Functions and Properties of Blockchain Networks 1.4.2. Applications: Cryptocurrencies, Reliability, Chain of Custody, etc
	Types of Blockchain Public and Private Blockchains Hard and Soft Forks	1.6. Smart Contracts1.6.1. Intelligent Contracts and Their Potential1.6.2. Smart Contract Applications	1.7. Industry Use Models1.7.1. Blockchain Applications by Industry1.7.2. Blockchain Success Stories by Industry	1.8. Security and Cryptography1.8.1. Objectives of Cryptography1.8.2. 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. Quantum Computing1.10.1. Definition and Keys1.10.2. Uses of Quantum Computing		
Mod	ule 2. Big Data and Artificial Intelligenc	ce		
2.1.1.	Fundamental Principles of Big Data Big Data Tools to Work With Big Data	 2.2. Data Mining and Warehousing 2.2.1. Data Mining Cleaning and Standardization 2.2.2. Information Extraction, Machine Translation, Sentiment Analysis, etc 2.2.3. Types of Data Storage 	 2.3. Data Intake Applications 2.3.1. Principles of Data intake 2.3.2. Data Ingestion Technologies to Serve Business Needs 	 2.4. Viewing Data 2.4.1. The Importance of Data Visualization 2.4.2. Tools to Carry It Out Tableau, D3, matplotlib (Python), Shiny®
2.5. 2.5.1. 2.5.2. 2.5.3.	Supervised and Unsupervised Learning	 2.6. Neural Networks (Deep Learning) 2.6.1. Neural Network: Parts and Functionality 2.6.2. Types of Networks CNN, RNN 2.6.3. Applications of Neural Networks; Image Recognition and Natural Language Interpretation 2.6.4 Generative Text Networks: LSTM 	 2.7. Natural Language Recognition 2.7.1. PLN (Processing Natural Language) 2.7.2. Advanced PLN Techniques: Word2vec, Doc2vec 	 2.8. Chatbots and Virtual Assistants 2.8.1. Types of Assistants: Voice and Text Assistants 2.8.2. Fundamental Parts for the Development of an Assistant: Intents, Entities and Dialog Flow 2.8.3. Integrations: Web, Slack, WhatsApp, Facebool 2.8.4. Assistant Development Tools: Dialog Flow, Watson Assistant
	Future of Artificial Intelligence	2.10. Future of Artificial Intelligence	2.11. Reflections	

Module 3. Virtual, Augme	ented and Mixed Reality					
3.1. Market and Tender 3.1.1. Current Market Situation 3.1.2. Reports and Growth by	n Different Industries 3.2.1	Differences Between Virtual, Augmented and Mixed Reality Differences Between Immersive Realities Immersive Reality Typology	3.3.1.	Virtual Reality Cases and Uses Origin and Fundamentals of Virtual Reality Cases Applied to Different Sectors and Industries	3.4. 3.4.1. 3.4.2.	Augmented Reality Cases and Uses Origin and Fundamentals of Augmented Reality Cases Applied to Different Sectors and Industries
3.5. Mixed and Hologra 3.5.1 Origin, History and Fundar Holographic Reality 3.5.2. Cases Applied to Differe Industries	mentals of Mixed and 3.6.1	360° Photography and Video Camera Typology Uses of 360 Images Creating a Virtual Space in 360 Degrees	3.7.1.	Virtual World Creation Platforms for the Creation of Virtual Environments Strategies for the Creation of Virtual Environments	3.8. 3.8.1. 3.8.2.	User Experience (UX) Components in the User Experience Tools for the Creation of User Experiences
3.9. Devices and Glasse Technologies 3.9.1. Device Typology on the Island Uses	3.10. Market 3.10.	Future Immersive Technologies Tendencies and Evolution Challenges and Opportunities				
3.9.3. Smart Glasses Applicati	ons and Evolution					
Module 4. 4.0 Industry						
	ry 4.0 4.2.	Benefits of Industry 4.0 Key Factors Main Advantages	4.3.1. 4.3.2.	Industrial Revolutions and Vision of the Future Industrial Revolutions Keys Factors in Each Revolution Technological Principles as a Basis for Possible New Revolutions	4.4.1. 4.4.2.	The Digital Transformation of the Industry Characteristics of the Digitization of the Industry Disruptive Technologies Applications in the Industry
Module 4. 4.0 Industry 4.1. Definition of Indust	volution Key 4.6. 4.2.2 volution Key 4.6. 4.6.2 4.6.3 4.6.3 4.6.3	Key Factors Main Advantages	4.3.1. 4.3.2. 4.3.3. 4.7. 4.7.1. 4.7.2.	the Future Industrial Revolutions Keys Factors in Each Revolution Technological Principles as a Basis for	4.4.1. 4.4.2. 4.4.3. 4.8. 4.8.1.	Industry Characteristics of the Digitization of the Industry Disruptive Technologies

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6.9.2. Phases to Make a Prototype

Mod	dule 5. Leading Industry 4.0			
5.1. 5.1.1. 5.1.2.		 5.2. Industry 4.0 and the Future of Production 5.2.1. Definitions 5.2.2. Production Systems 5.2.3. Future of Digital Production Systems 	5.3. Effects of Industry 4.05.3.1. Effects and Challenges	5.4. Essential Technologies in Industry 4.05.4.1. Definition of Technologies5.4.2. Characteristics of Technologies5.4.3. Applications and Impacts
5.5.2.	Digitization of Manufacturing Definitions Benefits of the Digitization of Manufacturing Digital Twins	 5.6. Digital Capabilities in an Organization 5.6.1. Development Digital Capabilities 5.6.2. Understanding the Digital Ecosystem 5.6.3. Digital Vision of the Business 	5.7. Architecture Behind a Smart Factory5.7.1. Areas and Operations5.7.2. Connectivity and Security5.7.3. Case Uses	 5.8. Technology Markers in the Post-Covid Era 5.8.1. Technological Challenges in the Post-Covid Era 5.8.2. New Case Uses
5.9.1. 5.9.2.	The Era of Absolute Virtualization Virtualisation 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	Jule 6. Robotics, Drones and Augmented	Workers		
6.1. 6.1.1. 6.1.2.		6.2. Robotics and Advanced	6.3. RPA (Robotic Process Automatization)6.3.1. Understanding RPA and its Functioning6.3.2. RPA Platforms, Projects and Roles	6.4. Robot as a Service (RaaS)6.4.1. Challenges and Opportunities for Implementing RaaS in Companies6.4.2. Functioning of a RaaS System
	Drones and Automated Vehicles Components and Drones Operation Uses, Types and Applications of Drones Evolution of Drones and Autonomous Vehicles	6.6. The Impact of 5G6.6.1. Evolution of Communications and Implications6.6.2. Uses of 5G Technology	 6.7. Augmented Workers 6.7.1. Human-Machine Integration in Industrial Environments 6.7.2. Challenges in Worker-Robot Collaboration 	 6.8. Transparency, Ethics and Traceability 6.8.1. Ethical Challenges in Robotics and Artificial Intelligence 6.8.2. Monitoring, Transparency and Traceability Methods
6.9.1.	Prototyping, Components and Evolution Prototyping Platforms	6.10. Future of Robotics 6.10.1. Trends in Robotization 6.10.2. New Types of Robots		

7.1. 7.1.1. 7.1.2. 7.7.3.		7.2. 7.2.1. 7.2.2.	Industrial Robotics Fundamentals of Industrial Robotics Models and Impact on Industrial Processes	 PLC Systems and Industrial Control PLC Evolution and Status Evolution of Programming Languages Computer Integrated Automation CIM		
7.5. 7.5.1. 7.5.2.	Monitor and Manage Types of Actuators Feedback Control Systems	7.6. 7.6.1. 7.6.2.	Industrial Connectivity Standardized Fieldbuses Connectivity	Proactive/Predictive Maintenance Predictive Maintenance Fault Identification and Analysis Proactive Actions Based on Predictive Maintenance	7.8. 7.8.1. 7.8.2.	Prescriptive Maintenance Prescriptive Maintenance Concept in Industrial Environments
7.9. 7.9.1. 7.9.2.		7.10.1 7.10.2 7.10.3	Industrialized Processes in Industry 4.0. Use Case Project definition Technological Selection Connectivity Data Exploitation			

8.1.	Industry 4.0 and Business Strategies	8.2.	Digitalization of Processes and the Value Chain	8.3. 8.3.1.	Sector Solutions Primary Sector The Primary Economic Sector	8.4.	Digitization of the Primary Sector: Smart Farms
8.1.1. Factors of Business Digitalization 8.1.2. Roadmap for Business Digitalization	8.2.1. 8.2.2.	Value Chain Value Chain Key Steps in the Digitization of Processes	8.3.2.	Characteristics of Each Subsector	8.4.1. 8.4.2.	Main Characteristics Keys Factors of Digitization	
8.5.	Digitization of the Primary Sector: Digital Agriculture and Intelligence		Sector Solutions Secondary Sector The Secondary Economic Sector	8.7.	Digitization of the Secondary Sector: Smart Factory	8.8.	Digitization of the Secondary Sector: Energy
	Main Characteristics Keys Factors of Digitization		Characteristics of Each Subsector	8.7.1. 8.7.2.	Main Characteristics Keys Factors of Digitization	8.8.1. 8.8.2.	Main Characteristics Keys Factors of Digitization
8.9.	Digitization of the Secondary Sector: Construction	8.10.	Digitization of the Secondary Sector: Mining				
	Main Characteristics Keys Factors of Digitization		. Main Characteristics . Keys Factors of Digitization				

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Mod	ule 9. Industry 4.0 - Services and Solut	tions (II	_				
	Tertiary Sector Solutions Tertiary Economic Sector	9.2. 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	9.8.1.	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.	Future Technological Tendencies New Technological Innovations Application Trends				
Mod	ule 10. Internet of Things (IoT)						
10.1.1 10.1.2	Cyber-Physical Systems (CPS) in the Industry 4.0 Vision Internet of Things (IoT) Components Involved in IoT Cases and Applications of IoT	10.2.	 Internet of Things and Cyber-Physical Systems Computing and Communication Capabilities to Physical Objects Sensors, Data and Elements in Cyber-Physical Systems 	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 . Digital Twins 2. Uses and Applications the Digital Twin	10.6.	. Indoor & Outdoor Geolocation (Real Time Geospatial) I. 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
10.9.1	. Wearables at Work . 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 1. Types of APIs Involved in an IoT Platform 2. API Market 3. Strategies and Systems to Implement API Integrations				





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

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





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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 38 | 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 | 39 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.

tech 40 | Methodology

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.



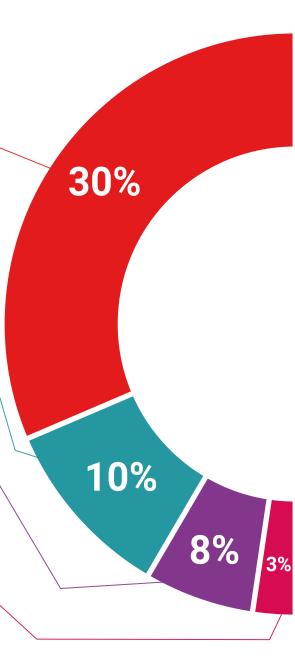
Management Skills Exercises

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.





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.

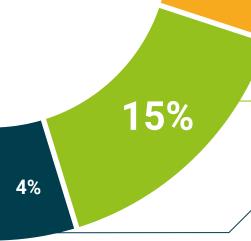


This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

Testing & Retesting

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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.

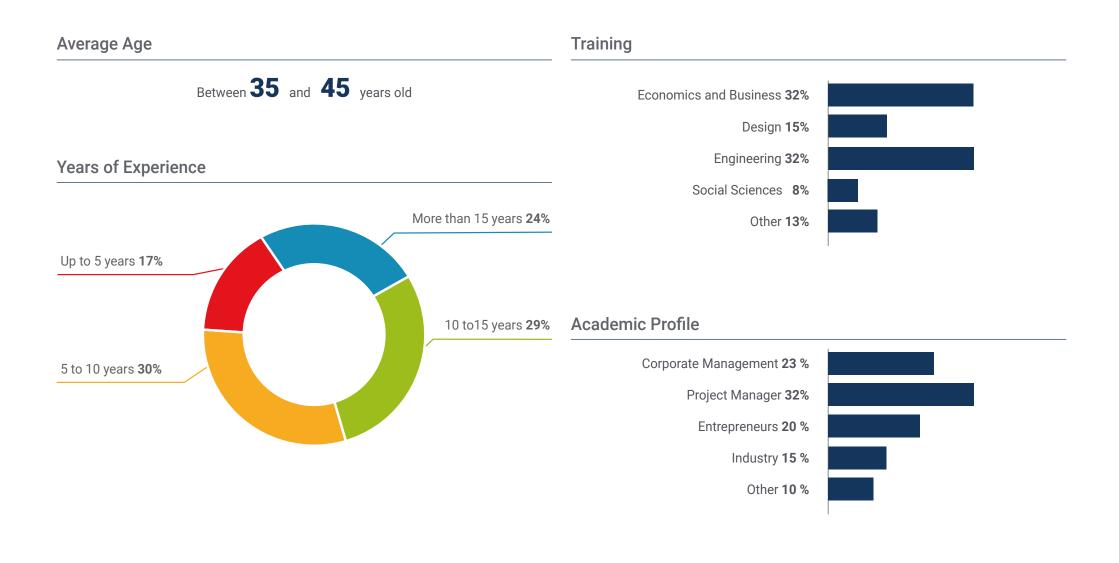


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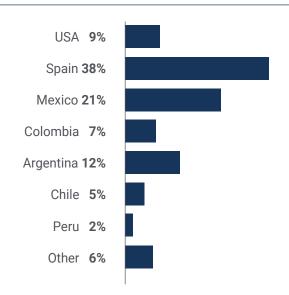




tech 44 | Our Students' Profiles



Geographical Distribution





José Pérez Pérez

Degree in Economics

"I was looking for a program that would lead me to entrepreneurship with the guarantee of knowing everything I needed to know about digital transformation and its application in different sectors, and I have found it in this Executive Master's Degree. And the teaching methodology has made things easy for me, without imposing timetables, allowing me to study at my own pace"



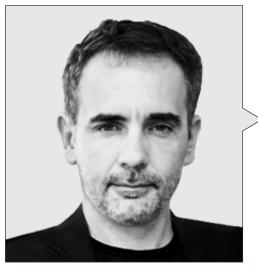


Management



Mr. Segovia Escobar, Pablo

- Commercial manager of the Aftermarket and Industry 4.0 area applied to systems support in the company IndraMaster in Business Administration and Management
- Industrial Engineer, Project Management Professional (PMP) por el Program Management Institute
- Master in Business Administration and Management
- Postgraduate in Strategic Management Function
- Sales Manager and Program Manager



Mr. Diezma López, Pedro

- Entrepreneur, writer, TEDx speaker and expert in emerging and exponential technologies
- Founder of the technology companies Acuilae (Artificial Intelligence), Ethyka and Zerintia Technologies
- Wearable "Best Initiative" Award in eHealth 2017 and "Best Technological "Solution" 2018 for occupational safety
- One of the world's leading experts (Source: Onalytica) es Wearable Technology e Internet of Things

Professors

Ms. Sánchez López, Cristina

- (Software Engineer) for the Accenture Group in large clients such as Banco de Santander, BBVA, Endesa or Barclays Bank
- CEO and founder of Acuilae and ETHYKA
- Master's Degree in Data Science
- Degree in Statistics from the Complutense University Madrid

Mr. Montes, Armando

- Expert in drones, robots and electronics, and 3D printers
- Creator of several state-of-the-art technological solutions and projects such as Emertech or Smart Vest

Mr. Castellano Nieto, Francisco

- Responsible for the maintenance of defense equipment in the aeronautical, naval and terrestrial sectors at Indra
- Development engineer in R&D department in the sector of automatic packaging machines for solids, granulates and liquids, packaging machines, palletizers and distribution chains; solutions with technologies from Siemens, Allen-Bradley (Rockwell Automation), Schneider, Omron and Beckhoff
- Industrial Electronic Technical Engineer by the Universidad Pontificia de Comillas I.C.A.I

Mr. Asenjo Sanz, Álvaro

- Technical Engineer in Computer Systems from the UCM
- Software developer, consulting and IT project management Engineer at Kolokium
- Lecturer of the Degree in Computer Science at the Universidad Europea de Madrid
- Trainer in Blockchain

Mr. González Cano, José Luis

- Lighting Designer
- Industrial Electronics Technician. Madrid, Spain
- Technical Director Consulting, training and development of lighting technology projects and implementation of ISO 9001:2015 quality systems (internal auditor). Madrid, Spain
- Vocational teacher in electronics and automation
- Degree in Optics and Optometry from the Complutense University of Madrid, Spain





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The Executive Master's Degree in Digital Transformation Management and Industry 4.0 from TECH is an intensive program that prepares you to face challenges and business decisions in the field of Industry 4.0. The main objective is to promote your personal and professional growth. Helping you achieve success.

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A program of high academic standing to lead your career to success.

When the change occurs



Type of change



Salary increase

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

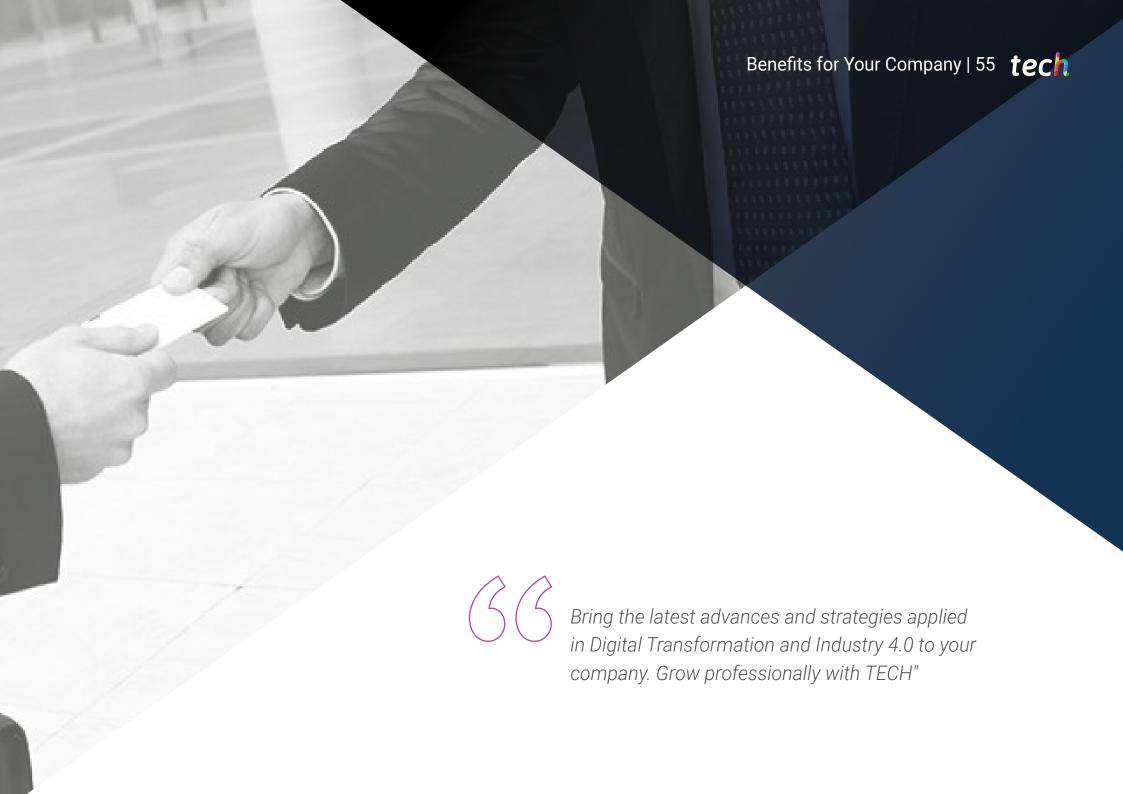
\$57,900

A salary increase of

25.22%

\$75,500





tech 56 | Benefits for Your Company

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



Intellectual Capital and Talent Growth

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 manager can work on a current project or develop new projects in the field of R&D or Business Development within their company.



Increased competitiveness

This Executive Master's Degree will equip students with the skills to take on new challenges and drive the organization forward.





tech 60 | Certificate

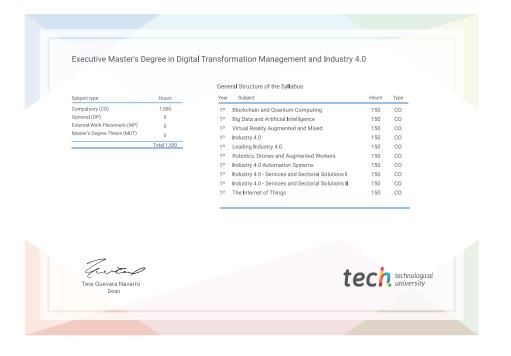
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Executive Master's Degree Digital Transformation Management and Industry 4.0

» Modalidad: online

» Duración: 12 meses

» Titulación: TECH Universidad Tecnológica

» Dedicación: 16h/semana

» Horario: a tu ritmo

» Exámenes: online

