

Postgraduate Diploma

Digital Design and Manufacturing with Artificial Intelligence



Postgraduate Diploma Digital Design and Manufacturing with Artificial Intelligence

- » Modality: Online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Accreditation: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/us/ingenieria/experto-universitario/experto-diseno-fabricacion-digital-inteligencia-artificial

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 16

05

Methodology

p. 22

06

Certificate

p. 30

01

Introduction

The advent of Industry 4.0 has brought about a true revolution in the field of Architecture, offering tools that allow professionals to explore different forms and structures. One example of this is Artificial Intelligence, which makes it possible to build spaces adapted to the changing needs of individuals. However, this is also a challenge for architects because they need to keep abreast of the latest innovations in areas such as Digital Fabrication or Parametric Design. In order to support them with this task, TECH implements a revolutionary online university program that will provide the keys to handle the latest generation software in order to create more exclusive, creative and sustainable infrastructures.





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Thanks to this 100% online Postgraduate Diploma, you will master the most modern tools of Artificial Intelligence to create innovative and personalized architectural spaces”

A new report prepared by the United Nations reflects that the integration of Artificial Intelligence in architectural practice improves efficiency in the use of resources by 40%, while significantly reducing waste in construction processes. This advance not only optimizes the use of materials, but also allows for more effective project planning, resulting in more sustainable buildings. Therefore, it is essential for architects to adopt the most cutting-edge Digital Fabrication techniques to ensure that their projects are efficient and environmentally responsible.

In this context, TECH is launching a pioneering program in Digital Design and Fabrication with Artificial Intelligence. Devised by references in this field, the academic itinerary will delve into the automation of repetitive tasks such as report generation, budget tracking or schedules. Along the same lines, the syllabus will provide students with the keys to get the most out of specialized software such as Optimus, Geomagic Wrap or Autodesk Revit. In this way, graduates will develop advanced skills to implement sophisticated algorithms to optimize both the architectural and functional performance of spaces. In addition, course materials will discuss a variety of generative modeling methods that will enable students to efficiently customize designs and simulate key issues such as energy efficiency.

The curriculum is complemented by multiple multimedia pills including specialized readings and case study simulations. This will help architects enjoy a fully dynamic learning process. All graduates will need is a digital device with Internet access to access the Virtual Campus. And all of this without attendance or preset schedules, thus giving professionals the opportunity to better self-manage their study time and reconcile their personal activities with a quality program.

This **Postgraduate Diploma in Digital Design and Manufacturing with Artificial Intelligence** contains the most complete and up-to-date program on the market.

The most important features include:

- ♦ Development of practical cases presented by experts in Artificial Intelligence
- ♦ The graphic, schematic and practical contents with which it is conceived provide practical information and complete on those disciplines that are essential for professional practice
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



You will gain valuable lessons learned through real-world case studies in simulated learning environments”

“

Are you looking to implement Artificial Intelligence algorithms in your architectural practice to make decisions based on quantitative data? Achieve it with this program”

The program's teaching staff includes professionals from the sector who bring to this program the experience of their work, as well as recognized specialists from prestigious reference societies and universities.

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

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned experts in the field of educational coaching with extensive experience.

You will delve into the use of Grasshopper, which will allow you to analyze aspects such as lighting, air flow and energy consumption.

With the disruptive Relearning system powered by TECH, you will enjoy a progressive and natural learning process. Forget about memorizing.



02 Objectives

Through this Postgraduate Diploma, architects will have a comprehensive understanding of the use of Artificial Intelligence to optimize Digital Design and Manufacturing processes. In line with this, graduates will develop advanced competencies to handle sophisticated software such as AutoCAD, Fusion 360 and Geomagic Wrap. In this way, experts will be able to create unique and functional architectural structures. In addition, professionals will be able to carry out comprehensive modeling to analyze structural behavior and ensure optimal energy performance. Also, students will excel in using sustainable materials that contribute to the conservation of natural resources.





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You will handle the most innovative Digital Manufacturing techniques to create physical prototypes accurately and optimize the use of resources”

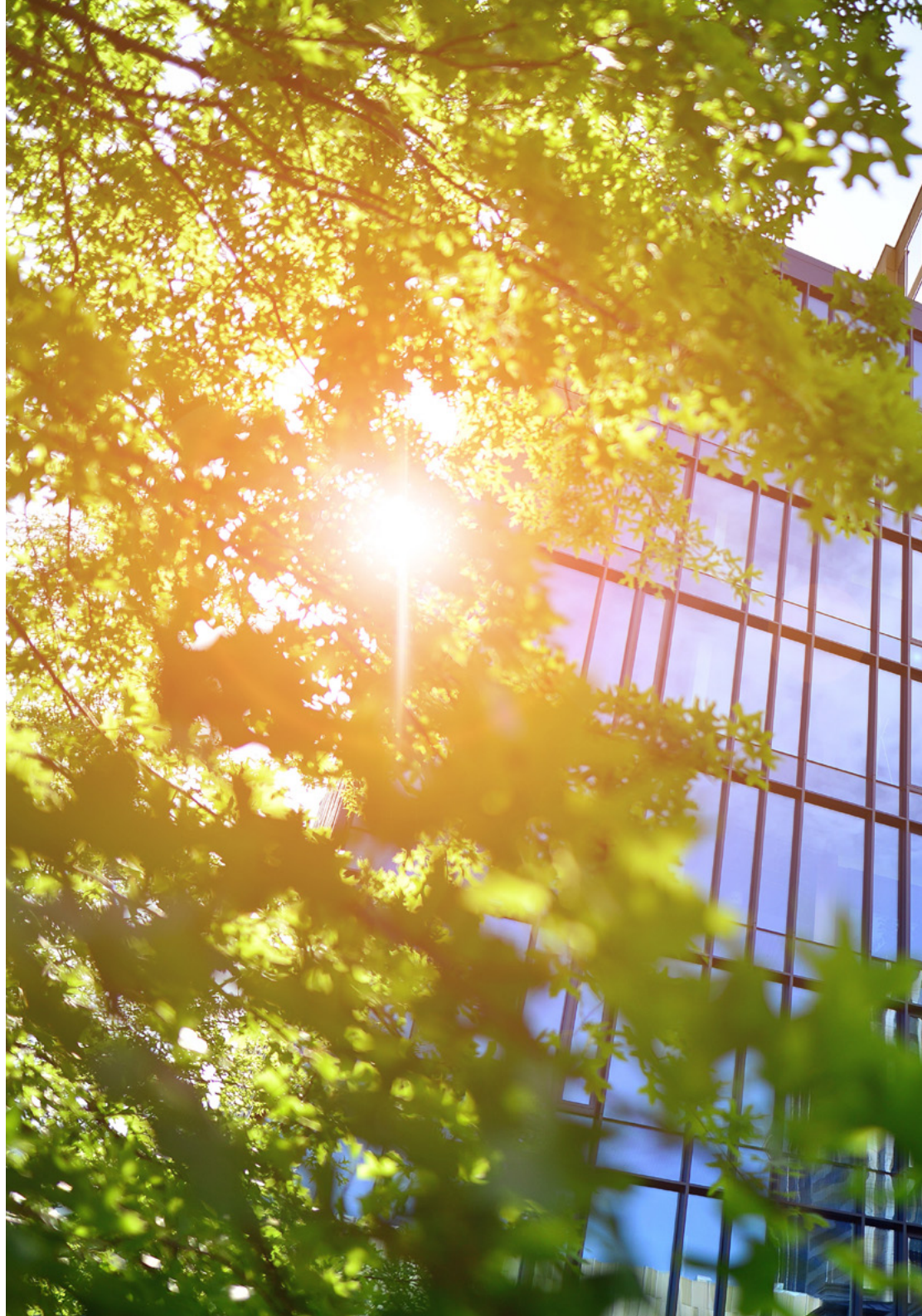


General Objectives

- ♦ Understand the theoretical foundations of Artificial Intelligence
- ♦ Study the different types of data and understand the data lifecycle
- ♦ Evaluate the crucial role of data in the development and implementation of AI solutions
- ♦ Delve into algorithms and complexity to solve specific problems
- ♦ Explore the theoretical basis of neural networks for Deep Learning development
- ♦ Explore bio-inspired computing and its relevance in the development of intelligent systems
- ♦ Manage advanced Artificial Intelligence tools to optimize architectural processes such as parametric design
- ♦ Apply Generative Modeling techniques to maximize efficiency in infrastructure planning and improve the energy performance of buildings



You will achieve your Goals with the help TECH's didactic tools, including explanatory videos and interactive summaries"





Specific Objectives

Module 1. Artificial Intelligence-Assisted Design in Architectural Practice

- ◆ Utilize AutoCAD and Fusion 360 software to create generative and parametric models that optimize the architectural design process
- ◆ Have a holistic understanding of ethical principles in the use of AI in design, ensuring that architectural solutions are both responsible and sustainable

Module 2. Space Optimization and Energy Efficiency with Artificial Intelligence

- ◆ Implement bioclimatic design strategies and Artificial Intelligence-assisted technologies to improve the energy efficiency of architectural initiatives
- ◆ Acquire skills in the use of simulation tools to improve energy efficiency in urban planning and architecture

Module 3. Parametric Design and Digital Manufacturing

- ◆ Handle tools such as Grasshopper and Autodesk 360 to create adaptive and customized designs that meet customers' expectations
- ◆ Apply topological optimization and sustainable design strategies in parametric projects

03

Course Management

In its commitment to offer the most holistic and updated university programs in the academic panorama, TECH carries out a thorough process to form its teaching staff. Thanks to this effort, this Postgraduate Diploma has the collaboration of prestigious experts in the field of Digital Design and Manufacturing with Artificial Intelligence. In this way, they have developed numerous didactic contents that stand out for their excellent quality as well as for being in line with the demands of the current labor market. In this way, students will have access to an immersive experience that will allow them to significantly improve their professional prospects.



“

You will have access to a curriculum designed by authentic references in Digital Design and Manufacturing with Artificial Intelligence, which will guarantee you a successful learning experience”

Management



Dr. Peralta Martín-Palomino, Arturo

- ♦ CEO and CTO at Prometheus Global Solutions
- ♦ CTO at Korporate Technologies
- ♦ CTO at AI Shepherds GmbH
- ♦ Consultant and Strategic Business Advisor at Alliance Medical
- ♦ Director of Design and Development at DocPath
- ♦ PhD in Psychology from the University of Castilla La Mancha
- ♦ PhD in Economics, Business and Finance from the Camilo José Cela University
- ♦ PhD in Psychology from the University of Castilla La Mancha
- ♦ Master's Degree in Executive MBA from the Isabel I University
- ♦ Master's Degree in Sales and Marketing Management, Isabel I University
- ♦ Expert Master's Degree in Big Data by Hadoop Training
- ♦ Master's Degree in Advanced Information Technologies from the University of Castilla La Mancha
- ♦ Member of: SMILE Research Group



Professors

Ms. Martínez Cerrato, Yésica

- ♦ Responsible for Technical Training at Securitas Seguridad España
- ♦ Education, Business and Marketing Specialist
- ♦ Product Manager B C in Electronic Security at Securitas Seguridad España
- ♦ Business Intelligence Analyst at Ricopia Technologies
- ♦ Computer Technician and Responsible for OTEC computer classrooms at the University of Alcalá de Henares
- ♦ Collaborator in the ASALUMA Association
- ♦ Degree in Electronic Communications Engineering at the Polytechnic School, University of Alcalá de Henares

Mr. Peralta Vide, Javier

- ♦ Technological Coordinator and Content Developer at Aranzadi Laley Formación
- ♦ Collaborator at CanalCreativo
- ♦ Collaborator at Dentsu
- ♦ Collaborator at Ai2
- ♦ Collaborator at BoaMistura
- ♦ Freelance Architect at Editorial Nivola, Biogen Technologies, Releaf, etc
- ♦ Specialization by Revit Architecture Metropa School
- ♦ Graduate in Architecture and Urbanism from the University of Alcalá

04

Structure and Content

This program is designed by recognized experts in Design and Manufacturing with Artificial Intelligence. The curriculum will delve into issues ranging from advanced AutoCAD applications or the use of Fusion 360 to the optimization of architectural designs using Optimus. In this way, students will acquire advanced skills to implement algorithms in their daily practice, thus automating tasks such as predicting the behavior of structures under different conditions. At the same time, the syllabus will delve into the most sophisticated techniques to ensure optimal energy performance and the use of sustainable materials.



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You will master the most modern Parametric Design software to automate repetitive tasks such as the generation of repeated structural elements or the calculation of spatial distributions”

Module 1. Artificial Intelligence-Assisted Design in Architectural Practice

- 1.1. Advanced AutoCAD Applications with Artificial Intelligence
 - 1.1.1. Integration of AutoCAD with AI Tools for Advanced Design
 - 1.1.2. Automation of Repetitive Tasks in Architectural Design with Artificial Intelligence
 - 1.1.3. Case Studies Where Artificial Intelligence-Assisted AutoCAD Has Optimized Architectural Projects
- 1.2. Advanced Generative Modeling with Fusion 360
 - 1.2.1. Advanced Generative Modeling Techniques Applied to Complex Projects
 - 1.2.2. Using Fusion 360 to Create Innovative Architectural Designs
 - 1.2.3. Examples of Applying Generative Modeling in Sustainable and Adaptive Architecture
- 1.3. Optimizing Designs with AI in Optimus
 - 1.3.1. Optimization Strategies for Architectural Design Optimization Using AI Algorithms in Optimus
 - 1.3.2. Sensitivity Analysis and Exploration of Optimal Solutions in Real Projects
 - 1.3.3. Review of Industry Success Stories Using Optimus for Artificial Intelligence-Based Optimization
- 1.4. Parametric Design and Digital Fabrication with Geomagic Wrap
 - 1.4.1. Advances in Parametric Design with Artificial Intelligence Integration Using Geomagic Wrap
 - 1.4.2. Practical Applications of Digital Fabrication in Architecture
 - 1.4.3. Outstanding Architectural Projects Using Artificial Intelligence-Assisted Parametric Design for Structural Innovations
- 1.5. Artificial Intelligence-Assisted Parametric Design for Structural Innovations
 - 1.5.1. Adaptive and Context Sensitive Design with Artificial Intelligence Sensors
 - 1.5.2. Implementing Adaptive Design Using Artificial Intelligence and Real-Time Data
 - 1.5.3. Examples of Ephemeral Architecture and Urban Environments Designed with AI
- 1.6. Analysis of How Adaptive Design Influences the Sustainability and Efficiency of Architectural Projects
 - 1.6.1. Simulation and Predictive Analytics in CATIA for Architects
 - 1.6.2. Advanced Use Artificial Intelligence CATIA for Architectural Simulation
 - 1.6.3. Implementing Predictive Analytics in Significant Architectural Projects
- 1.7. Personalization and UX in Design with IBM Watson Studio
 - 1.7.1. IBM Watson Studio's AI Tools for Architectural Personalization
 - 1.7.2. User-Centered Design Using Artificial Intelligence Analytics
 - 1.7.3. Case Studies of AI Use Cases for Personalization of Architectural Spaces and Products
- 1.8. Collaboration and Collective Design Powered by Artificial Intelligence
 - 1.8.1. AI-Powered Collaborative Platforms for Design Projects
 - 1.8.2. AI Methodologies that Foster Creativity and Collective Innovation
 - 1.8.3. Success Stories and Challenges in Artificial Intelligence-Assisted Collaborative Design
- 1.9. Ethics and Responsibility in Artificial Intelligence-Assisted Design
 - 1.9.1. Ethical Debates in the Use of Artificial Intelligence in Architectural Design
 - 1.9.2. Study on Biases and Fairness in Artificial Intelligence Algorithms Applied to Design
 - 1.9.3. Current Regulations and Standards for Responsible Artificial Intelligence Design
- 1.10. Challenges and Future of Artificial Intelligence-Assisted Design
 - 1.10.1. Emerging Trends and Cutting-Edge Technologies in Artificial Intelligence for Architecture
 - 1.10.2. Analysis of the Future Impact of Artificial Intelligence on the Architectural Profession
 - 1.10.3. Foresight on Future Innovations and Developments in Artificial Intelligence-Assisted Design

Module 2. Space Optimization and Energy Efficiency with Artificial Intelligence

- 2.1. Optimizing Spaces with Autodesk Revit And Artificial Intelligence
 - 2.1.1. Using Autodesk Revit And Artificial Intelligence for Spatial Optimization and Energy Efficiency
 - 2.1.2. Advanced Techniques for Improving Energy Efficiency in Architectural Designs
 - 2.1.3. Case Studies of Successful Projects Combining Autodesk Revit with Artificial Intelligence
- 2.2. Analysis of Energy Efficiency Metrics and Data with SketchUp and Trimble
 - 2.2.1. Applying SketchUp and Trimble Tools for Detailed Energy Analysis
 - 2.2.2. Developing Energy Efficiency Metrics Using Artificial Intelligence
 - 2.2.3. Strategies for Setting Energy Efficiency Goals for Architectural Projects
- 2.3. Bioclimatic Design and Artificial Intelligence-Optimized Solar Orientation
 - 2.3.1. Artificial Intelligence-Assisted Bioclimatic Design Strategies for Maximizing Energy Efficiency
 - 2.3.2. Examples of Buildings Using Artificial Intelligence-Guided Design to Optimize Thermal Comfort
 - 2.3.3. Practical Applications of AI in Solar Orientation and Passive Design
- 2.4. AI-Assisted Sustainable Materials and Technologies with Cityzenit
 - 2.4.1. Innovation in Sustainable Materials Supported by Artificial Intelligence Analysis
 - 2.4.2. Using Artificial Intelligence to Develop and Apply Recycled and Low-Environmental-Impact Materials
 - 2.4.3. Study of Projects Using Renewable Energy Systems Integrated with AI
- 2.5. Urban Planning and Energy Efficiency with WattPredictor and AI
 - 2.5.1. AI Strategies for Energy Efficiency in Urban Design
 - 2.5.2. Implementing WattPredictor to Optimize Energy Use in Public Spaces
 - 2.5.3. Successful Cases of Cities Using AI to Improve Urban Sustainability

- 2.6. Intelligent Energy Management with Google DeepMind's Energy
 - 2.6.1. Applications of DeepMind Technologies for Energy Management
 - 2.6.2. Implementing Artificial Intelligence for Energy Consumption Optimization
 - 2.6.3. Assessment of Cases Where Artificial Intelligence Has Transformed Energy Management in Communities and Buildings
- 2.7. Artificial Intelligence-Assisted Energy Efficiency Certifications and Regulations
 - 2.7.1. Using AI to Ensure Compliance with Energy Efficiency Standards (LEED, BREEAM)
 - 2.7.2. Artificial Intelligence Tools for Energy Audit and Certification of Projects
 - 2.7.3. Impact of Regulations on Artificial Intelligence-Supported Sustainable Architecture
- 2.8. Life Cycle Assessment and Environmental Footprint with Enernoc
 - 2.8.1. Artificial Intelligence Integration for Life Cycle Analysis of Building Materials
 - 2.8.2. Using Enernoc to Assess Carbon Footprint and Sustainability
 - 2.8.3. Model Projects Using AI for Advanced Environmental Assessments
- 2.9. Energy Efficiency Education and Awareness with Verdigris
 - 2.9.1. Role of AI in Energy Efficiency Education and Awareness
 - 2.9.2. Using Verdigris to Teach Sustainable Practices to Architects and Designers
 - 2.9.3. Initiatives and Educational Programs Using Artificial Intelligence to Promote a Cultural Change Toward Sustainability
- 2.10. Future of Space Optimization and Energy Efficiency with ENBALA
 - 2.10.1. Exploration of Future Challenges and the Evolution of Energy Efficiency Technologies
 - 2.10.2. Emerging Trends in Artificial Intelligence for Spatial and Energy Optimization
 - 2.10.3. Perspectives on How Artificial Intelligence Will Continue to Transform Architecture and Urban Design



Module 3. Parametric Design and Digital Manufacturing

- 3.1. Advances in Parametric Design and Digital Fabrication with Grasshopper
 - 3.1.1. Using Grasshopper to Create Complex Parametric Designs
 - 3.1.2. Integrating AI into Grasshopper to Automate and Optimize Design
 - 3.1.3. Flagship Projects Using Parametric Design for Innovative Solutions
- 3.2. Algorithmic Optimization in Design with Generative Design
 - 3.2.1. Application of Generative Design for Algorithmic Optimization in Architecture
 - 3.2.2. Using AI to Generate Efficient and Novel Design Solutions
 - 3.2.3. Examples of How Generative Design Has Improved the Functionality and Aesthetics of Architectural Projects
- 3.3. Digital Fabrication and Robotics in Construction with KUKA PRC
 - 3.3.1. Implementing Robotics Technologies such as KUKA PRC in Digital Fabrication
 - 3.3.2. Advantages of Digital Manufacturing in Precision, Speed and Cost Reduction
 - 3.3.3. Digital Manufacturing Case Studies Highlighting Successful Integration of Robotics in Architecture
- 3.4. Adaptive Design and Manufacturing with Autodesk Fusion 360
 - 3.4.1. Using Fusion 360 to Design Adaptive Architectural Systems
 - 3.4.2. Implementing AI in Fusion 360 for Mass Customization
 - 3.4.3. Innovative Projects Demonstrating the Potential for Adaptability and Customization
- 3.5. Sustainability in Parametric Design with Topology Optimization
 - 3.5.1. Applying Topology Optimization Techniques to Improve Sustainability
 - 3.5.2. Integrating Artificial Intelligence to Optimize Material Usage and Energy Efficiency
 - 3.5.3. Examples of How Topological Optimization Has Improved the Sustainability of Architectural Projects
- 3.6. Interactivity and Spatial Adaptability with Autodesk Fusion 360
 - 3.6.1. Integrating Real-Time Data and Sensors to Create Interactive Architectural Environments
 - 3.6.2. Using Autodesk Fusion 360 in Adapting Design in Response to Environmental or Usage Changes
 - 3.6.3. Examples of Architectural Projects Using Spatial Interactivity to Improve User Experience
- 3.7. Efficiency in Parametric Design
 - 3.7.1. Applying Parametric Design to Optimize Sustainability and Energy Efficiency of Buildings
 - 3.7.2. Using Simulations and Life Cycle Analysis Integrated with AI to Improve Green Decision-Making
 - 3.7.3. Cases of Sustainable Projects Where Parametric Design Has Been Crucial
- 3.8. Mass Customization and Digital Manufacturing with Magic (Materialise)
 - 3.8.1. Exploring the Potential of Mass Customization through Parametric Design and Digital Manufacturing
 - 3.8.2. Applying Tools such as Magic to Customize Architectural and Interior Design
 - 3.8.3. Outstanding Projects Showcasing Digital Manufacturing in the Customization of Spaces and Furniture
- 3.9. Collaboration and Collective Design Using Ansys Granta
 - 3.9.1. Using Ansys Granta to Facilitate Collaboration and Decision Making in Distributed Design
 - 3.9.2. Methodologies to Improve Innovation and Efficiency in Collaborative Design Projects
 - 3.9.3. Examples of How Artificial Intelligence-Enhanced Collaboration Can Lead to Innovative and Sustainable Results
- 3.10. Challenges and the Future of Digital Manufacturing and Parametric Design
 - 3.10.1. Identifying Emerging Challenges in Parametric Design and Digital Manufacturing
 - 3.10.2. Future Trends and the Role of Artificial Intelligence in the Evolution of These Technologies
 - 3.10.3. Discussion of How Continuous Innovation Will Affect Architectural Practice and Design in the Future

05

Methodology

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

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





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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

Case Study to contextualize all content

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

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



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



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

A learning method that is different and innovative

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

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

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

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

Relearning Methodology

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

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

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

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

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



In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

This methodology has 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, and financial markets and instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

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

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

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



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Classes

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

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



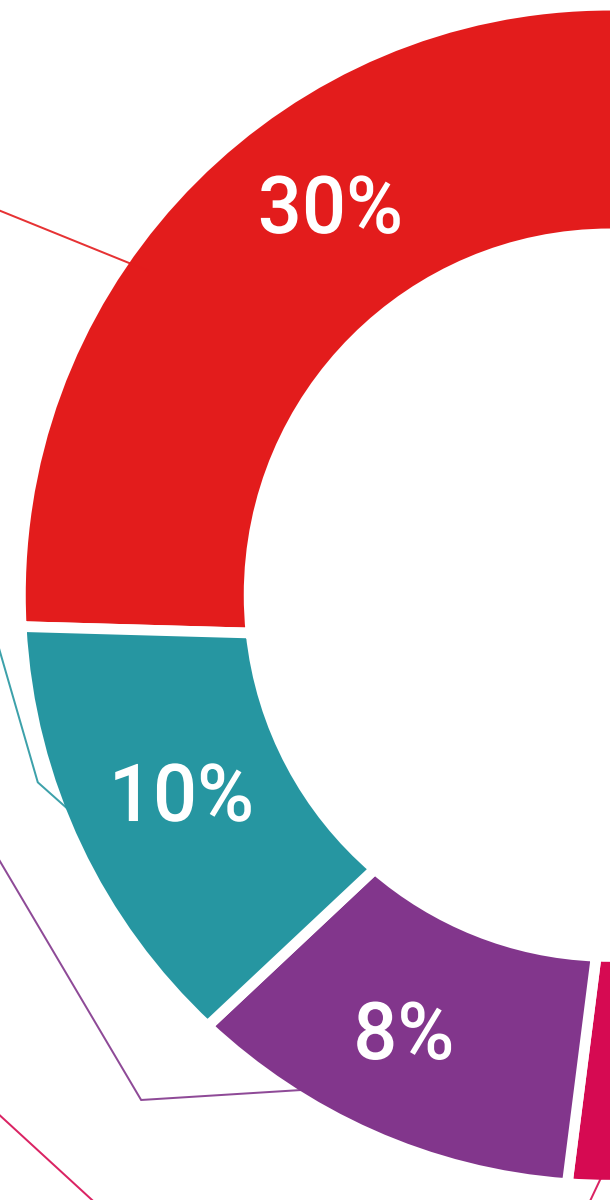
Practising Skills and Abilities

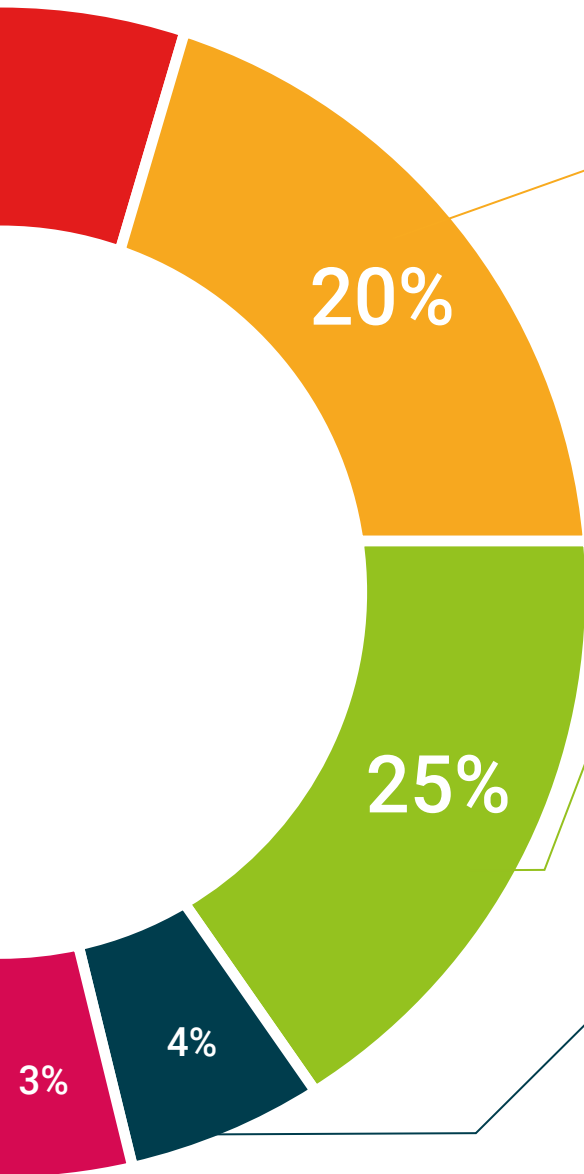
They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Case Studies

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



Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



06

Certificate

The Postgraduate Diploma in Digital Design and Manufacturing with Artificial Intelligence guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Global University.





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

This private qualification will allow you to obtain a **Postgraduate Diploma in Digital Design and Manufacturing with Artificial Intelligence** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Digital Design and Manufacturing with Artificial Intelligence**

Modality: **online**

Duration: **6 months**.

Accreditation: **18 ECTS**



*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

personalized service innovation

knowledge present

online training

development language

classroom

tech global
university

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