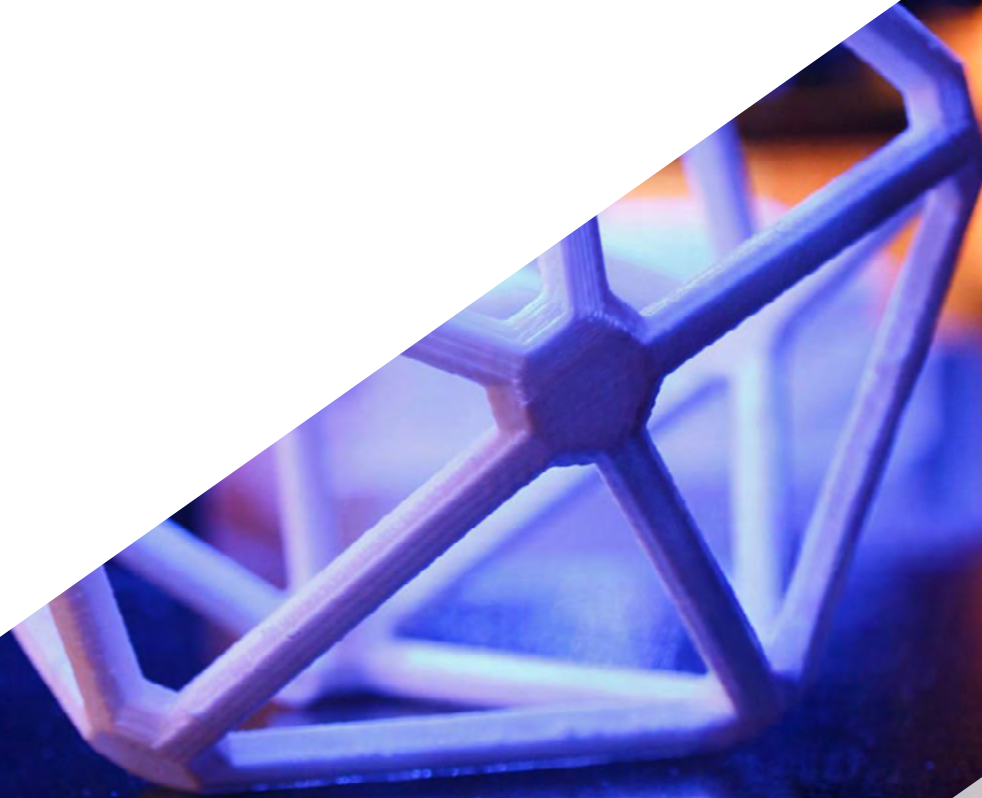


Postgraduate Diploma

3D Printing Project Development





Postgraduate Diploma 3D Printing Project Development

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

Website: www.techtitude.com/us/design/postgraduate-diploma/postgraduate-diploma-3d-printing-project-development

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01

Introduction to the Program

3D printing has revolutionized multiple industries by offering innovative solutions in product development, customized manufacturing, and production process optimization. According to a report by the International Monetary Fund, the global additive manufacturing market has reached \$18 billion in recent years, reflecting its growing impact on various sectors. That is why experts need to acquire a disciplinary approach that combines creativity and technical innovation with a deep understanding of modeling tools. With the aim of facilitating this task, TECH presents an exclusive university qualification focused on 3D Printing Project Development. And all in a flexible, completely online format!



“

With this 100% online program, you will manage the entire 3D Printing Project cycle and guarantee top-quality results”

Production using 3D printing systems is revolutionizing multiple fields by enabling the creation of functional prototypes, customized parts, and innovative solutions with high precision. Thanks to these technologies, specialists optimize resources, reduce development times, and manufacture complex components that would be unfeasible with conventional methods. Likewise, its application promotes process improvement, the development of more efficient products, and the implementation of designs with a high level of detail.

Within this framework, TECH has developed an innovative program in 3D Printing Project Development. The syllabus covers the management of advanced technologies and processes in Additive Manufacturing, with a detailed focus on selective laser sintering and stereolithography. Through rigorous analysis of these methods, graduates will be able to optimize the selection of key parameters to obtain high-quality results. This enhances mastery of the most widely used techniques in the industry, which promotes effective implementation in different professional fields.

Therefore, this university program allows professionals to acquire specialized knowledge and practical skills in 3D Printing Project Development, improving their ability to design and manufacture parts with the highest standards of precision. In addition, it provides a strategic vision of the trends and challenges of additive manufacturing, which contributes to informed decision-making in innovative environments. This fosters specialization that boosts career prospects in technological and productive sectors.

Finally, with a 100% online model, TECH allows access to content at any time and from any device with an Internet connection, providing maximum flexibility. In turn, the cutting-edge Relearning methodology optimizes the academic process by promoting the progressive and natural assimilation of key concepts. This means that graduates will not have to invest long hours in study and can focus on the most relevant aspects.

This **Postgraduate Diploma in 3D Printing Project Development** contains the most complete and up-to-date program on the market. The most important features include:

- ♦ The development of case studies presented by experts in 3D Printing Project Development
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Special emphasis on innovative methodologies in design practice
- ♦ 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 model complete pieces using state-of-the-art CAD software adapted to 3D printing"

“

Take advantage of all the benefits of TECH's Relearning methodology, which will allow you to organize your study time and pace to suit your schedule”

You will optimize the design for additive manufacturing, taking into account manufacturing parameters, strength, aesthetics, and economic viability.

You will implement best practices in quality control and post-processing of printed parts to ensure their functionality.

The teaching staff includes professionals from the field of 3D Printing Project Development, who bring their work experience to this program, as well as renowned specialists from leading companies and prestigious 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 an immersive learning experience designed to prepare for real-life situations.

This program is designed around Problem-Based Learning, whereby the student must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts.



02

Why Study at TECH?

TECH is the world's largest online university. With an impressive catalog of more than 14,000 university programs available in 11 languages, it is positioned as a leader in employability, with a 99% job placement rate. In addition, it relies on an enormous faculty of more than 6,000 professors of the highest international renown.



“

*Study at the world's largest online university
and guarantee your professional success.
The future starts at TECH”*

The world's best online university, according to FORBES

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future".

The best top international faculty

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

The world's largest online university

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world.



The most complete syllabuses on the university scene

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills. and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

A unique learning method

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

Leaders in employability

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.



Google Premier Partner

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.



The top-rated university by its students

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.



03 Syllabus

This university program will address the application and precision of additive manufacturing of parts using 3D printing, allowing for a comparative analysis between different technologies to determine their effectiveness in different projects. The syllabus will also delve into the development of detailed, multicolor prototypes, optimizing their functionality and adaptability in different environments. In addition, the teaching materials will provide students with various strategies to improve the quality and resolution of designs, ensuring accurate results. In this way, professionals will be able to provide innovative solutions aligned with the current needs of the industry.



An abstract sculpture made of white, angular, geometric blocks, possibly 3D printed, arranged in a complex, overlapping structure. The background is a soft, out-of-focus landscape with a warm, golden-yellow glow.

“

You will be able to select the most appropriate materials according to the specific needs of each 3D printing project, optimizing performance and cost”

Module 1. Additive Manufacturing Technologies and Processes

- 1.1. Classification of Additive Technologies
 - 1.1.1. Current Main Technologies by Parts
 - 1.1.2. Emerging Technologies in 3D Printing
 - 1.1.3. Classification by Materials Used
- 1.2. FDM – Fused Deposition Modeling – Operation and Applications
 - 1.2.1. Operation of the Extrusion Process
 - 1.2.2. Applications and Precision in Parts
 - 1.2.3. Limitations of the FDM Process
- 1.3. SLA – Stereolithography – Functioning, Characteristics, and Applications
 - 1.3.1. How It Works
 - 1.3.2. Applications and Precision in Parts
 - 1.3.3. SLA Limitations
- 1.4. SLS – Selective Laser Sintering – Operation and Applications
 - 1.4.1. How It Works
 - 1.4.2. Applications and Resolution
 - 1.4.3. SLS Limitations
- 1.5. MJF – MultiJet Fusion. Technology and Applications
 - 1.5.1. Multi-Agent Injection Technology
 - 1.5.2. Sectors Using MJF (Aerospace, Automotive)
 - 1.5.3. Comparison with Other Technologies
- 1.6. SLM – DLMS and Additive Manufacturing in Metal, Operation, Processes, and Applications
 - 1.6.1. Additive Technology for Metals
 - 1.6.2. Applications in High-Demand Industries
 - 1.6.3. Optimization of Metal Use in Manufacturing
- 1.7. Material Jetting: Polyjet, Applications and Layer-by-Layer Material Deposition Process. Detailed and Multicolor Prototype Applications
 - 1.7.1. Layer-by-Layer Material Deposition Process
 - 1.7.2. Detailed and Multicolor Prototype Applications
 - 1.7.3. Limitations in Mechanical Strength
- 1.8. Binder Jetting. Projection of Binders onto Metal Powder
 - 1.8.1. Projection of Binders onto Metal Powder
 - 1.8.2. Industrial Applications in Metal Parts
 - 1.8.3. Comparison with Laser Sintering

- 1.9. Advantages of Additive Manufacturing over Traditional Methods
 - 1.9.1. Flexibility in Creation of Complex Geometries
 - 1.9.2. Reduction in Material Waste
 - 1.9.3. Mass Product Customization
- 1.10. Comparison of Technologies Based on Cost, Quality, and Time
 - 1.10.1. Cost Evaluation by Technology
 - 1.10.2. Analysis of Production Times for Each Process
 - 1.10.3. Final Quality of the Parts Produced

Module 2. Entrepreneurship in Additive Manufacturing

- 2.1. Business Opportunities in Additive Manufacturing
 - 2.1.1. Creation of New Markets for Customized Products
 - 2.1.2. Provision of Small-Scale 3D Printing Services
 - 2.1.3. Development of Innovative Products through Additive Manufacturing
- 2.2. Feasibility Analysis of Projects with 3D Printing
 - 2.2.1. Assessment of Production and Material Costs
 - 2.2.2. Identification of Optimization Opportunities in Projects
 - 2.2.3. Methods for Calculating Return on Investment in Additive Projects
- 2.3. Business Models Based on 3D Printing Services
 - 2.3.1. Provision of Services to Businesses and Individuals
 - 2.3.2. Strategies for Scaling a 3D Printing Business
 - 2.3.3. Profitability of Offering Customized Printing on Demand
- 2.4. How to Assess Return on Investment (ROI)
 - 2.4.1. Methods for Calculating ROI in Additive Projects
 - 2.4.2. Key Factors in Assessing Profitability
 - 2.4.3. Optimizing Delivery Time to Improve ROI
- 2.5. Strategies for Marketing 3D-Printed Products
 - 2.5.1. Distribution Channels for 3D-Printed Products
 - 2.5.2. Digital Marketing Strategies Applied to 3D Printing
 - 2.5.3. Positioning Products in the Global Market
- 2.6. Success Stories of Entrepreneurship in Additive Manufacturing - Example FDM
 - 2.6.1. Examples of Companies That Have Grown with 3D Printing
 - 2.6.2. Startup Innovations in the Additive Manufacturing Industry
 - 2.6.3. Keys to Success in Creating Businesses Based on 3D Printing

- 2.7. Global Strategy for Protecting Ideas and Products
 - 2.7.1. Methods for Protecting Intellectual Property Without Relying on Local Laws
 - 2.7.2. Open Licenses and Their Impact on Business Growth
 - 2.7.3. Strategies for Competing Globally in Additive Markets
- 2.8. Sustainability and Additive Manufacturing
 - 2.8.1. Additive Manufacturing Applications in the Circular Economy
 - 2.8.2. Reducing the Environmental Impact of Additive Processes
 - 2.8.3. Use of Recycled and Recyclable Materials in 3D Printing
- 2.9. Cost Reduction and Process Optimization
 - 2.9.1. Methods for Optimizing Material Use and Production Times
 - 2.9.2. Techniques for Reducing Waste and Operating Costs
 - 2.9.3. Process Automation in the Additive Manufacturing Production Chain
- 2.10. The Future of Entrepreneurship in 3D Printing
 - 2.10.1. Innovations That Are Shaping the Future of Entrepreneurship in Additive Manufacturing
 - 2.10.2. New Business Opportunities in Emerging Industries
 - 2.10.3. Impact of Additive Manufacturing on the Global Economy

Module 3. 3D Project Development

- 3.1. Selecting the Right Technology for a Real Project
 - 3.1.1. Comparing Technologies Based on Project Type
 - 3.1.2. Key Factors in Technology Selection
 - 3.1.3. Impact of Selected Technology on Production Costs and Timelines
- 3.2. Material and Cost Analysis
 - 3.2.1. Assessment of Material Costs and Their Impact on the Project
 - 3.2.2. Selection of Materials According to the Needs of the Final Product
 - 3.2.3. Comparison of Costs Between Different Printing Technologies
- 3.3. Design Optimization for Additive Manufacturing
 - 3.3.1. Design Adjustments to Improve Printing Efficiency
 - 3.3.2. Reduction of Supports and Material in the Design Process
 - 3.3.3. Optimization of Geometries to Improve Strength and Quality

- 3.4. Implementation of Supports and Preparation for Printing
 - 3.4.1. Strategies for the Correct Implementation of Supports
 - 3.4.2. Adjustment of Printing Parameters to Avoid Errors
 - 3.4.3. Optimization of Part Orientation to Improve the Final Finish
- 3.5. 3D Printing Process: From Setup to Printing
 - 3.5.1. Setting the Initial Parameters on the Printer
 - 3.5.2. Adjusting the Printing Temperature and Speed
 - 3.5.3. Troubleshooting Common Problems During the Printing Process
- 3.6. Post-Processing of Printed Parts
 - 3.6.1. Advanced Post-Processing Techniques to Improve Quality
 - 3.6.2. Support Removal and Surface Finishing
 - 3.6.3. Heat Treatment Methods for Printed Parts
- 3.7. Presentation of Results: Functional Prototypes
 - 3.7.1. Assessment of Prototype Performance in Functional Tests
 - 3.7.2. Comparison Between Initial Design and Results Obtained
 - 3.7.3. Adjustments to Improve Prototype Functionality
- 3.8. Strategies for Continuous Improvement in Additive Manufacturing Processes
 - 3.8.1. Process Optimization Methods to Reduce Times
 - 3.8.2. Improvements in the Quality of the Final Product through Design and Production Adjustments
 - 3.8.3. Implementation of Quality Control Systems in Production
- 3.9. Recent Technological Innovations Applied to Additive Manufacturing
 - 3.9.1. New Developments in Advanced Materials for Printing
 - 3.9.2. Automation of Online Printing Processes
 - 3.9.3. Impact of Artificial Intelligence on Design for Additive Manufacturing
- 3.10. Optimization of Productivity in 3D Projects
 - 3.10.1. Tools to Improve Efficiency in Mass Production
 - 3.10.2. Scaling Techniques in Additive Manufacturing Projects
 - 3.10.3. Software Innovations to Increase Productivity in 3D Printing

04

Teaching Objectives

This university program is designed to help professionals consolidate their experience in 3D printing, honing their ability to develop innovative and precise solutions. Through a specialized approach, mastery of advanced technologies will be promoted, optimizing quality and efficiency in additive manufacturing. In addition, strategic decision-making skills will be reinforced, ensuring optimal results in each project. With a methodology based on the practical application of knowledge, dynamic training is promoted that will enable participants to face the challenges of the sector with greater precision, creativity, and a high level of specialization.



“

*You will stand out for your ability
to integrate cutting-edge Additive
Manufacturing tools into industrial
and customized design processes”*



General Objectives

- ♦ Understand the concepts of how Additive Manufacturing works
- ♦ Delve into the technologies specifically for the materials used
- ♦ Understand how each technology works and its application, whether by the function of the part or object or by its performance
- ♦ Use 3D surface modeling software
- ♦ Delve into the different types of 3D printers, understanding their operating principles
- ♦ Learn about topological design and optimization of parts for 3D printing
- ♦ Use the most advanced post-processing techniques to optimize 3D printing
- ♦ Visualize products for specific sectors such as automotive, aerospace, and architecture
- ♦ Encourage the identification of business opportunities in the field of Additive Manufacturing
- ♦ Develop project management skills, from conceptualization and design to manufacturing and post-processing of parts





Specific Objectives

Module 1. Additive Manufacturing Technologies and Processes

- ♦ Differentiate technologies by their applications
- ♦ Compare production times and understand post-processing

Module 2. Entrepreneurship in Additive Manufacturing

- ♦ Learn how to develop business plans, market analysis, and specific financing strategies for 3D printing projects
- ♦ Acquire tools to assess and mitigate risks, ensuring the viability and sustainability of ventures in this industry

Module 3. 3D Project Development

- ♦ Learn how to document, assess, and communicate results, ensuring knowledge transfer and the replicability of the solution developed
- ♦ Encourage critical analysis and the resolution of technical and logistical challenges during project implementation



The interactive summaries of each module will allow you to consolidate concepts related to process automation in the additive manufacturing chain in a more dynamic way"

05

Career Opportunities

This program will enable specialists to access new opportunities in high-demand industries, enhancing their mastery of advanced technologies in three-dimensional modeling and production. Thanks to this specialization, students will lead innovative projects focused on industrial design and create detailed models that optimize each stage of the creative process. In this way, professionals will gain access to a wide range of job opportunities in various institutions and emerging sectors that are constantly seeking to hire experts capable of leading their digital transformation.





“

Are you looking to gain experience as a Product Designer in Additive Manufacturing? Achieve this with this university qualification in just 6 months”

Graduate Profile

Graduates of this university program will be prepared to face the challenges of advanced production, applying innovative methodologies that optimize time and resources. In fact, through mastery of digital tools and automated processes, they will be able to develop products with high precision and adaptability to diverse market needs. In turn, they will acquire leadership skills for efficient workflow management, integrating emerging technologies at every stage of design and manufacturing. With an analytical and decisive vision, they will be able to drive the evolution of creative and technological sectors, contributing to the development of efficient solutions.

You will provide consulting services to various companies on the incorporation of Additive Manufacturing techniques to significantly optimize their workflows.

- ♦ **Critical Thinking and Problem-Solving:** Ability to assess different approaches and make decisions based on data analysis and evidence
- ♦ **Adaptability to New Technologies:** Experts will facilitate the integration of advanced solutions at every stage of product development
- ♦ **Efficient Time and Resource Management:** Ability to lead projects with tight deadlines and defined budgets, ensuring accurate and sustainable results in production
- ♦ **Effective Communication and Teamwork:** Ability to collaborate with different professionals within a multidisciplinary environment, communicating ideas clearly to improve the execution of complex projects





After completing the Postgraduate Diploma, you will be able to apply your knowledge and skills in the following positions:

- 1. 3D Modeling Specialist:** Focuses on creating detailed three-dimensional models for use in prototyping, animation, product design, and digital visualization.
- 2. Prototype Designer:** Responsible for developing functional and aesthetic prototypes using digital tools and advanced printing techniques, optimizing Additive Manufacturing processes.
- 3. Post-Processing and Finishing Specialist:** Dedicated to optimizing products through advanced post-processing techniques, improving both their functionality and aesthetics.
- 4. Digital Production Technology Consultant:** Advises companies on the implementation of technological solutions to improve their design and manufacturing processes, adapting to market trends.
- 5. Custom Manufacturing Solutions Developer:** Designs innovative strategies for the production of custom parts, applying advanced techniques to meet specific needs in different industries.
- 6. Design and Manufacturing Innovation Manager:** Leads innovation projects in creative industries, implementing cutting-edge methodologies that optimize new product development.
- 7. Production Technology Researcher:** Responsible for analyzing and developing new applications for advanced manufacturing tools, contributing to the evolution of the industry.
- 8. Digital Production Specialist for Creative Industries:** Focuses on applying advanced knowledge to generate innovative products in sectors such as design, fashion, and digital entertainment.

06

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



“

TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

“

*At TECH you will NOT have live classes
(which you might not be able to attend)”*



The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

“*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want*”

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.



A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule"

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

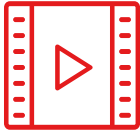
The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.



As such, the best educational materials, thoroughly prepared, will be available in this program:



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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



Interactive Summaries

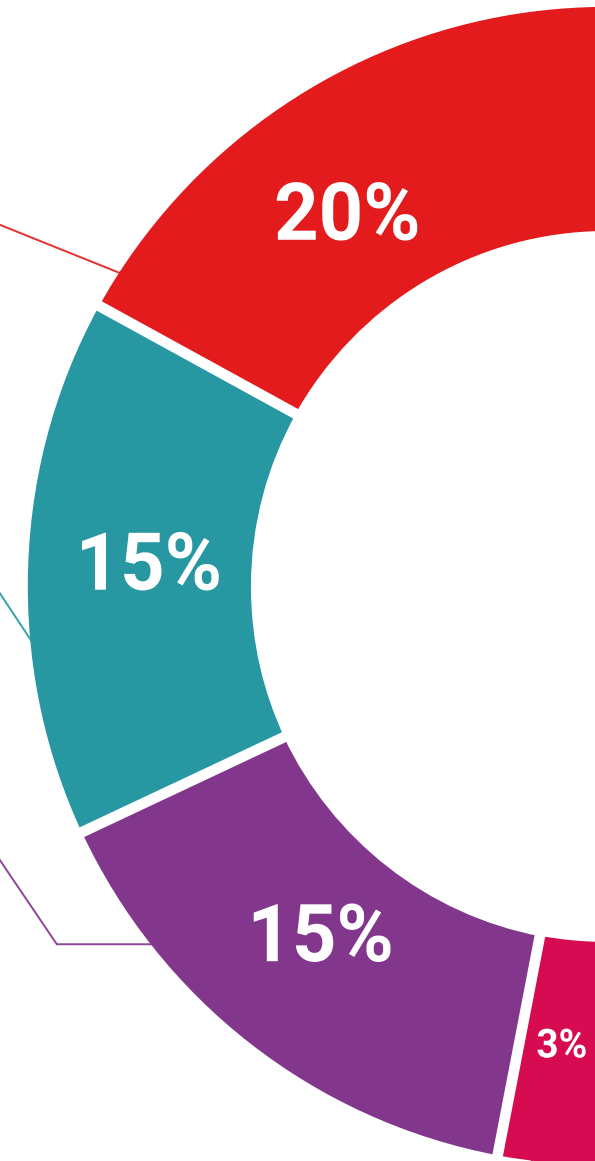
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

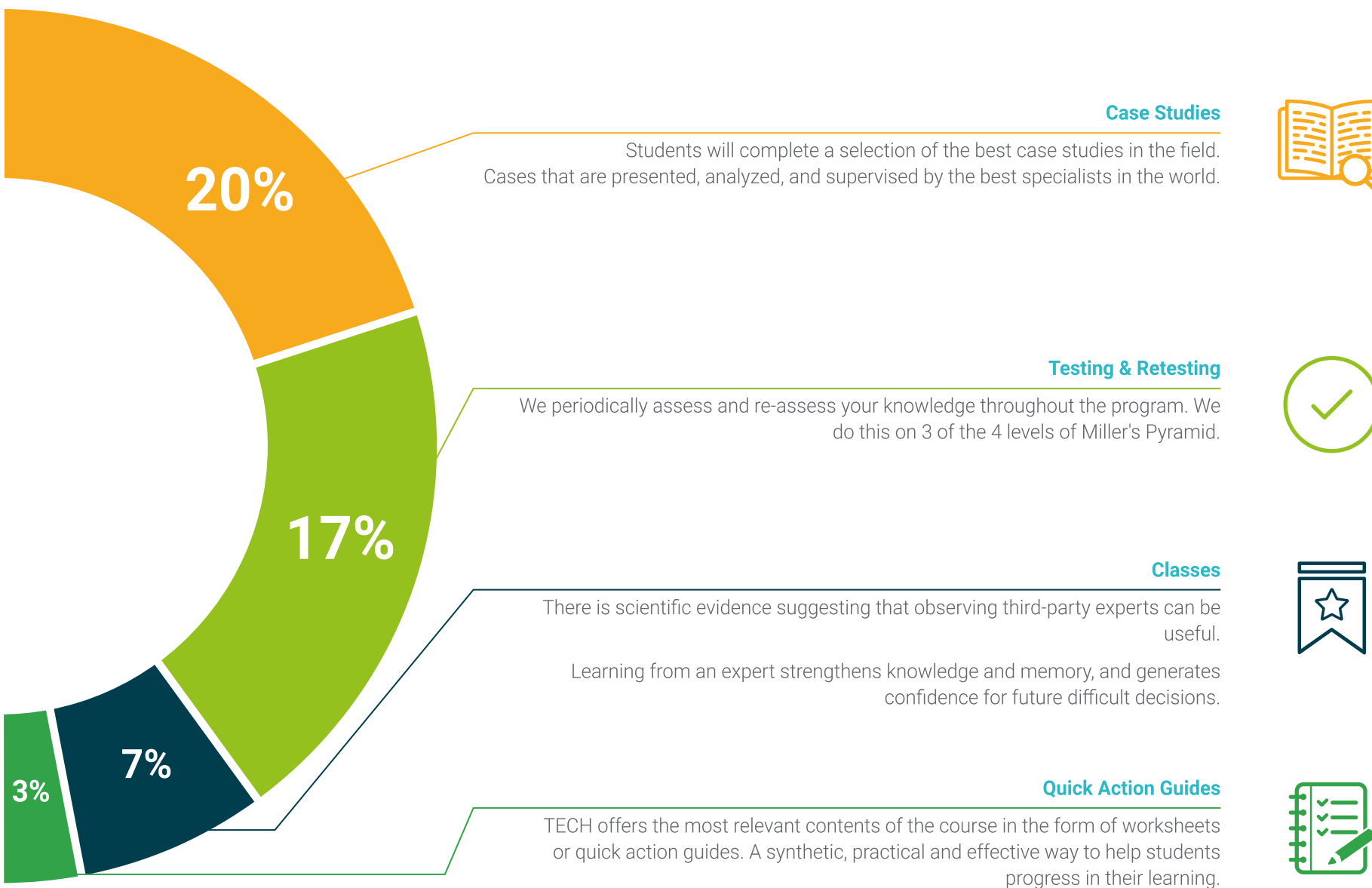
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





07

Teaching Staff

TECH stands out for offering educational programs designed to meet the demands of the professional world. This Postgraduate Diploma brings together specialists with extensive experience in the creation and development of three-dimensional projects, ensuring a highly practical approach. Carefully designed teaching resources provide direct access to knowledge aligned with industry trends. As a result, those who complete this university program will be able to strengthen their skills and expand their opportunities in an increasingly competitive market.



“

The teaching team for this university qualification is made up of leading experts in the field of 3D Printing Project Development”

Management



Mr. Parera Buxeres, Antoni

- ♦ CEO and Creative Director at Innou
- ♦ Project Manager and Industrial Designer at Play
- ♦ Master's Degree in Project Management and Efficient Project Management from the Polytechnic University of Catalonia
- ♦ Bachelor of Arts with a specialization in Design from the University of Southampton

Professors

Mr. Bafaluy Ojea, Sergi

- ♦ Senior Researcher in Additive Manufacturing and 3D Printing in Digital Industry
- ♦ Process Engineer at Gestamp Hardtech AB
- ♦ Materials Engineer at ABB
- ♦ Industrial Doctorate in HP Printing and Computing Solutions
- ♦ Degree in Chemical and Materials Engineering from the Polytechnic University of Catalonia and the European School of Engineers



08 Certificate

This Postgraduate Diploma in 3D Printing Project Development guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the 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”

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Title: **Postgraduate Diploma in 3D Printing Project Development**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**





Postgraduate Diploma 3D Printing Project Development

- » Modality: online
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- » Schedule: at your own pace
- » Exams: online

Postgraduate Diploma

3D Printing Project Development

