



Postgraduate Certificate Teaching Practice with Generative Artificial Intelligence

» Modality: online

» Duration: 6 weeks

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

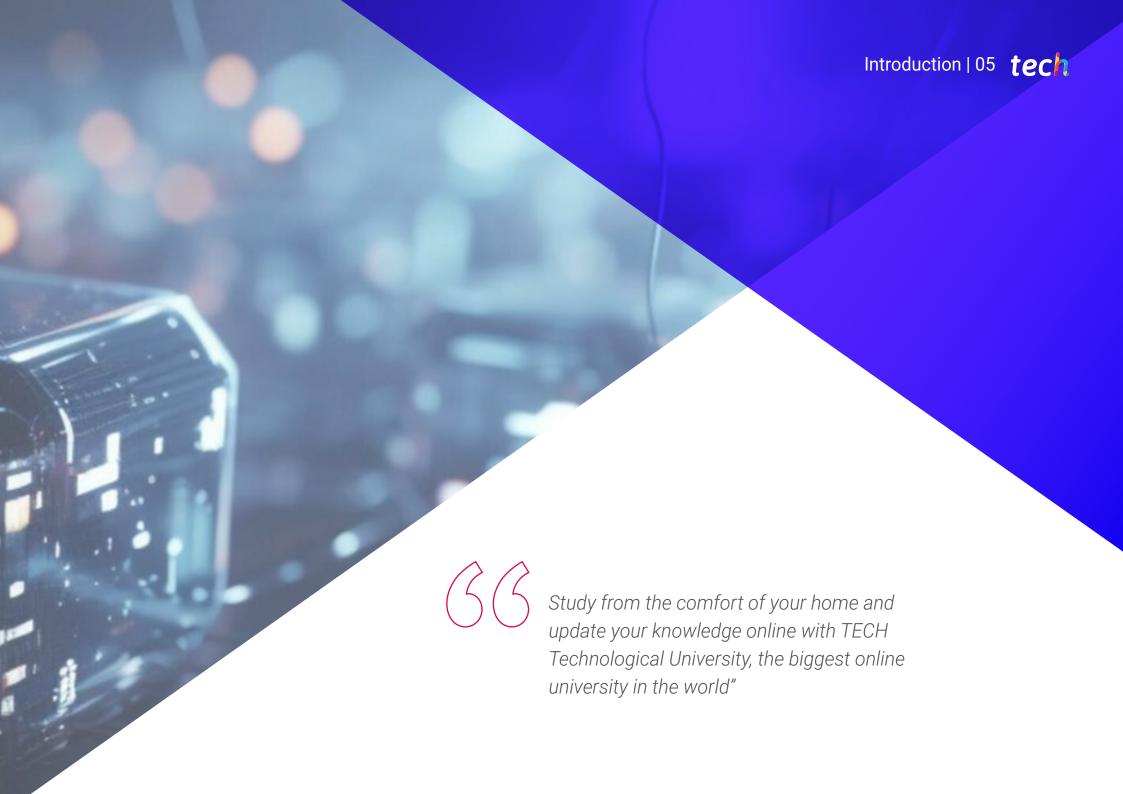
Website: www.techtitute.com/pk/artificial-intelligence/postgraduate-certificate/teaching-practice-generative-artificial-intelligence

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tech 06 | Introduction

Intelligent Systems provide teachers with the ability to design educational resources in a personalized and efficient way. For example, thanks to Artificial Intelligence they can create didactic materials to boost student learning. Teachers use Machine Learning to create individualized activities, design interactive lessons through the inclusion of multimedia content and create personalized readings, depending on the level of understanding of each student. In line with this, Artificial Intelligence can be used to generate visual examples for students to understand complex concepts, in areas such as Physics, Chemistry or Biology.

In this context, TECH has implemented a pioneering program, which will address in detail the creation of didactic content through Artificial Intelligence. In this way, the syllabus will delve into the development of evaluation tests, as well as the correction of activities and evaluative tests. Likewise, multiple strategies will be offered to produce teaching quality evaluation surveys.

Moreover, the expert will examine how to develop effective evaluations, taking advantage of the effectiveness of generative Artificial Intelligence in Education. In addition, to strengthen the knowledge of the graduates, the program will include the analysis of several real case studies, using simulated learning environments.

On the other hand, the program is based on the innovative *Relearning* method, of which TECH is a pioneer. This teaching system uses the reiteration of key contents in a natural way, guaranteeing that they remain in the professionals' memory without the need to memorize.

It should also be noted that all that is required to access the Virtual Campus is an electronic device with Internet access (cell phones, *tablets* or computers). In addition, students can access a digital library full of additional didactic materials, including interactive summaries, to enrich their educational experience.

The Postgraduate Certificate in Teaching Practice with Generative 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 Teaching Practice with Generative Artificial Intelligence
- The graphic, schematic and practical contents of the book provide theoretical and practical information 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



Do you want to have at your fingertips the most effective pedagogical strategies to provide quality educational experiences? Achieve it in just 6 weeks thanks to this program"



You will get the most out of feedback to improve your teaching practice, through an extensive library of the most innovative multimedia resources"

The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies 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 immersive education programmed to learn in real situations.

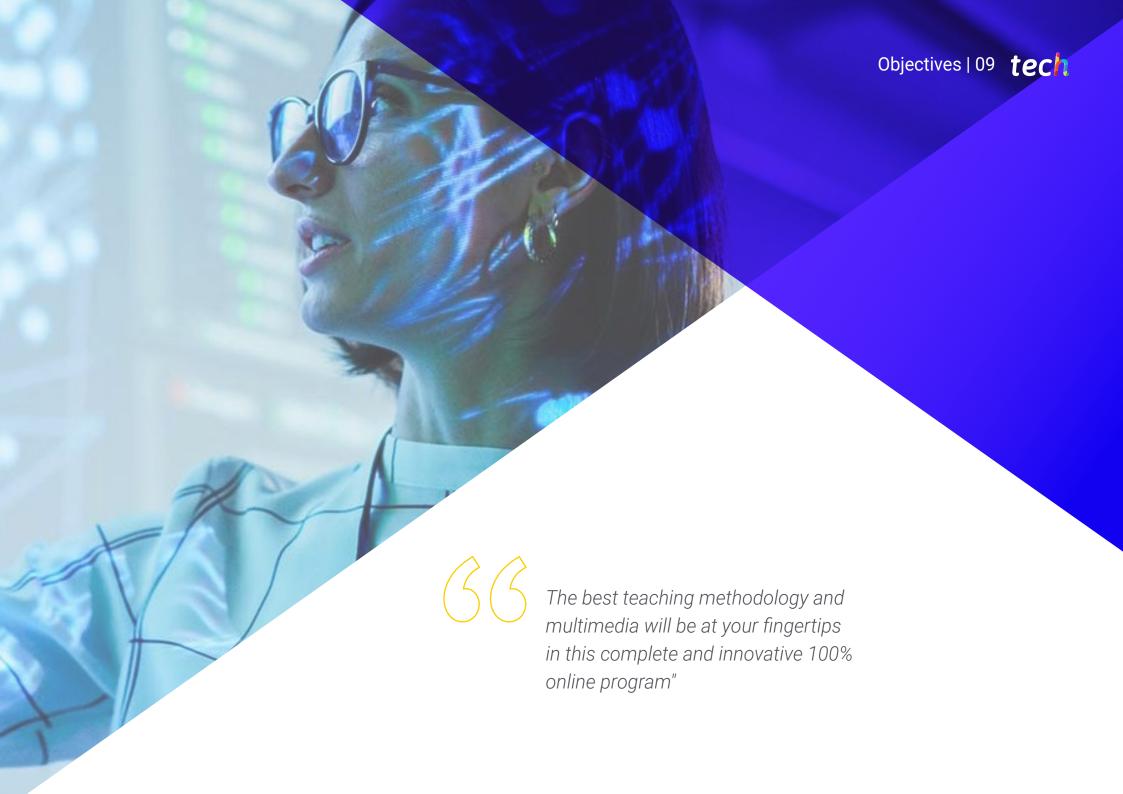
This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced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

You will master Artificial Intelligence and use it with agility for the correction of evaluative tests, all thanks to this 100% online Postgraduate Certificate.

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







tech 10 | Objectives



General Objectives

- Understand the fundamental ethical principles related to the application of Artificial Intelligence (AI) in educational settings.
- Analyze the current legislative framework and the challenges associated with the implementation of AI in educational settings
- Develop critical skills to evaluate the ethical and social impact of AI in education.
- Encourage the responsible design and use of AI solutions in educational contexts, considering cultural diversity and gender equity
- Train in the design and implementation of AI projects in the educational environment
- Provide an in-depth understanding of the theoretical foundations of AI, including machine learning, neural networks, and natural language processing
- Develop skills to integrate AI projects effectively and ethically into the educational syllabus.
- Understand the applications and impact of AI in teaching and learning, critically assessing its current and potential uses
- Apply generative Al to personalize and enrich teaching practice, creating adaptive educational materials.
- Identify, evaluate, and apply the latest trends and emerging technologies in AI relevant to education, reflecting on their challenges and opportunities





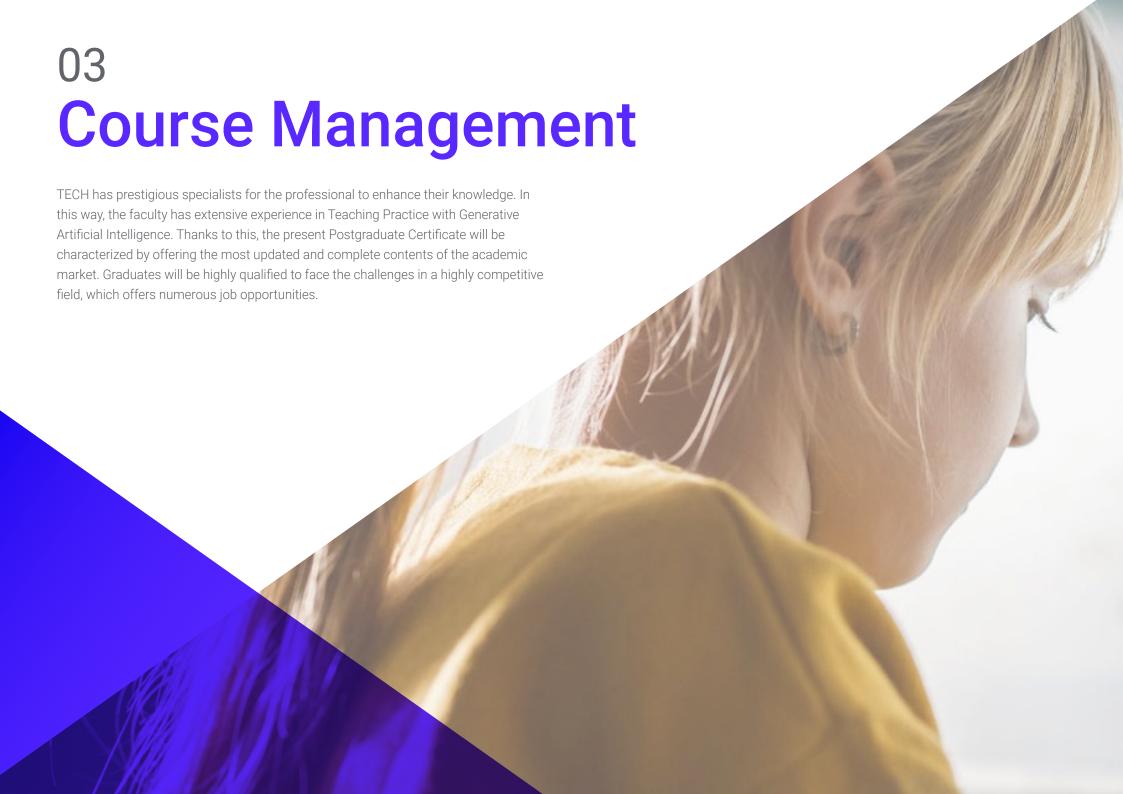
Specific Objectives

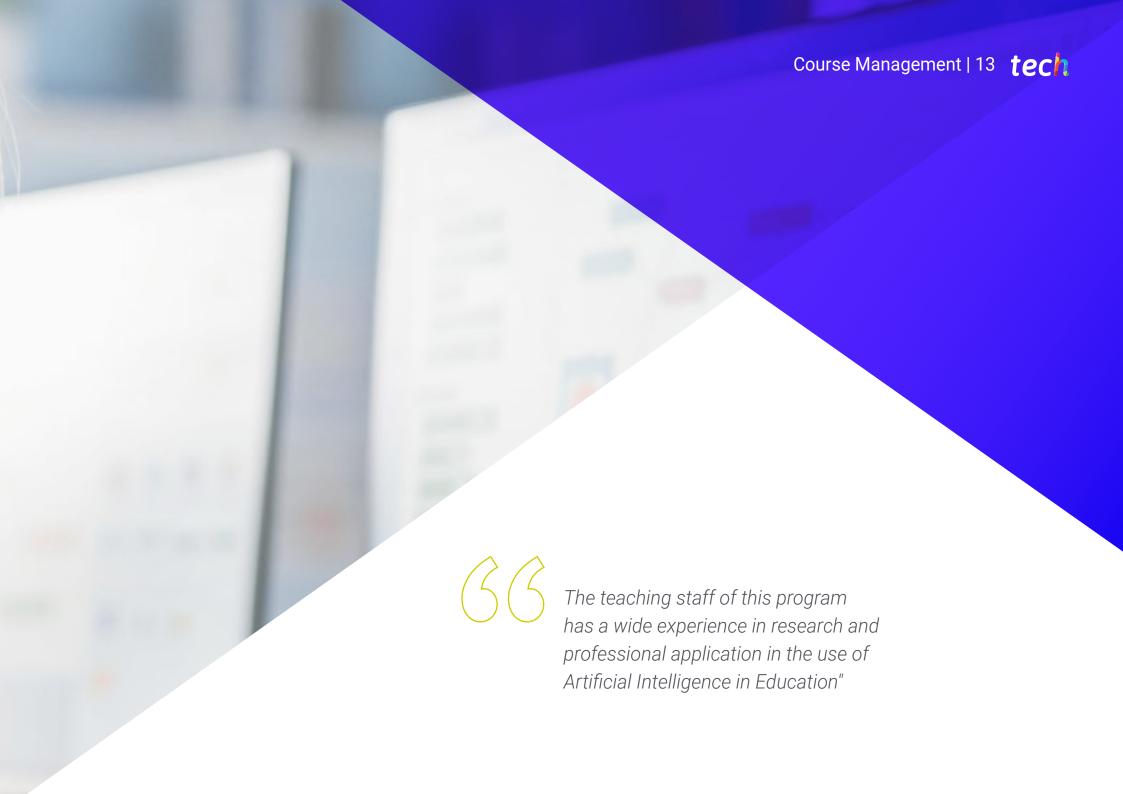
- Master generative AI technologies for their application and effective use in educational environments, planning effective educational activities
- Create didactic materials using generative AI to improve the quality and variety of learning resources, as well as to measure student progress in innovative ways
- Use generative AI to correct activities and evaluative tests, streamlining and optimizing this process
- Integrate generative AI tools in pedagogical strategies to improve the effectiveness of the educational process and design inclusive learning environments, under the universal design approach
- Evaluate the effectiveness of generative AI in EDUCATION, analyzing its impact on teaching and learning processes



TECH's learning system follows the highest international quality standards"







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Management



Dr. Peralta Martín-Palomino, Arturo

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



Mr. Nájera Puente, Juan Felipe

- Data Analyst and Data Scientist
- Director of Studies and Research at the Council for Quality Assurance in Higher Education
- Production Programmer at Confiteca C.A
- Processes Consultant at Esefex Consulting
- Academic Planning Analyst at San Francisco de Quito University
- Professional Master's Degree in *Big Data* and Data Science at the International University of Valencia
- Industrial Engineer from San Francisco de Quito University

Professors

Ms. Martínez Cerrato, Yésica

- Education, Business and Marketing Specialist
- Responsible for Technical Training at Securitas Seguridad España
- Product Manager in Electronic Security at Securitas Direct
- Business Intelligence Analyst at Ricopia Technologies
- Computer Technician and Head of 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, Madrid



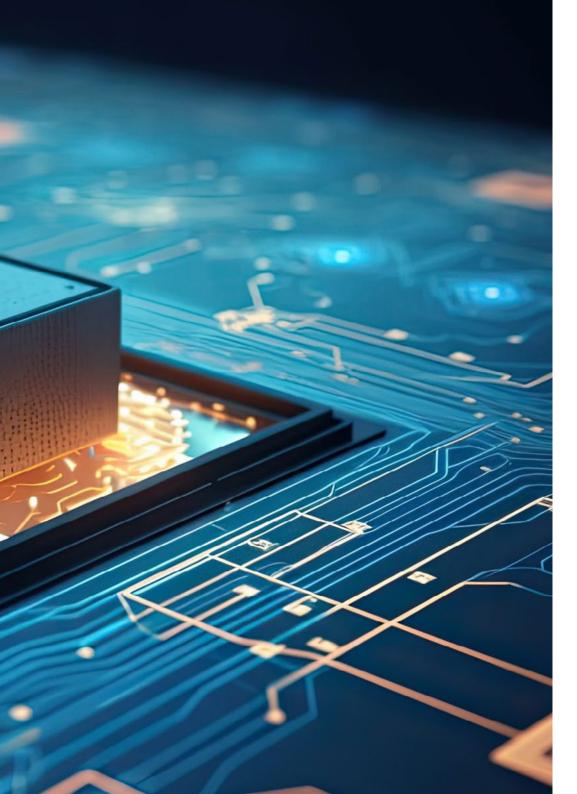


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Module 1. Teaching Practice with Generative Artificial Intelligence

- 1.1. Generative Al Technologies for Use in Education
 - 1.1.1. Current Market
 - 1.1.2. Technologies in Use
 - 1.1.3. What is to Come
 - 1.1.4. The Future of the Classroom
- 1.2. Application of Generative Al Tools in Educational Planning
 - 1.2.1. Planning Tools
 - 1.2.2. Tools and their Application
 - 1.2.3. Education and Al
 - 1.2.4. Evolution
- 1.3. Creation of Didactic Materials with Generative Al
 - 1.3.1. Al and its Uses in the Classroom
 - 1.3.2. Tools to Create Didactic Material
 - 1.3.3. How to Work with the Tools
 - 1.3.4. Commands
- 1.4. Development of Evaluation Tests using Generative Al
 - 1.4.1. Al and its Uses in the Development of Evaluation Tests
 - 1.4.2. Tools for the Development of Evaluation Tests
 - 1.4.3. How to Work with the Tools
 - 1.4.4. Commands
- 1.5. Enhanced Feedback and Communication with Generative Al
 - 1.5.1. Al in Communication
 - 1.5.2. Application of Tools in the Development of Communication in the Classroom
 - 1.5.3. Advantages and Disadvantages
- 1.6. Correction of Evaluative Activities and Tests using Generative Al
 - 1.6.1. All and its Uses in the Correction of Evaluative Activities and Tests
 - 1.6.2. Tools for the Correction of Evaluative Activities and Tests
 - 1.6.3. How to Work with the Tools
 - 1.6.4. Commands





Structure and Content | 19 tech

- 1.7. Generation of Teacher Quality Assessment Surveys through Generative Al
 - 1.7.1. Al and its Uses in the Generation of Teaching Quality Assessment Surveys using Al
 - 1.7.2. Tools for the Generation of Al-based Teacher Quality Surveys
 - 1.7.3. How to Work with the Tools
 - 1.7.4. Commands
- 1.8. Integration of Generative Al Tools in Pedagogical Strategies
 - 1.8.1. Applications of AI in Pedagogical Strategies
 - 1.8.2. Correct Uses
 - 1.8.3. Advantages and Disadvantages
 - 1.8.4. Generative Al Tools in Pedagogical Strategies
- 1.9. Use of Generative AI for Universal Design for Learning
 - 1.9.1. Generative AI, Why Now?
 - 1.9.2. Al in Learning
 - 1.9.3. Advantages and Disadvantages
 - 1.9.4. Applications of Al in Learning
- 1.10. Evaluating the Effectiveness of Generative AI in Education
 - 1.10.1. Effectiveness Data
 - 1.10.2. Projects
 - 1.10.3. Design Purposes
 - 1.10.4. Evaluating the Effectiveness of AI in Education



No rigid schedules or evaluation chronograms. That's how flexible this TECH program is!"





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Case Study to contextualize all content

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



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



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 has been the most widely used learning system among the world's leading Information Technology 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 that you are presented with in the case method, an action-oriented learning method. Throughout the course, students 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 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.



Methodology | 25 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.

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.





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

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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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The Postgraduate Certificate in Teaching Practice with Generative Artificial Intelligence contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Title: Postgraduate Certificate in Teaching Practice with Generative Artificial Intelligence

Official N° of Hours: 150 h.



^{*}Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

health

guarantee

technological
university

Postgraduate Certificate
Teaching Practice
with Generative
Artificial Intelligence

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

