

Postgraduate Certificate Curricular Materials and Educational Technology





Postgraduate Certificate Curricular Materials and Educational Technology

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/psychology/postgraduate-certificate/curricular-materials-educational-technology

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 16

05

Methodology

p. 20

06

Certificate

p. 28

01

Introduction

New technologies are currently undergoing a vertiginous evolution. And areas such as education are particularly susceptible to their implementation. For the acquisition of knowledge is based on a mental process that can dispense with certain physical elements. In this sense, the program developed by TECH delves into the possibilities of Information Technologies applied to the educational system. As well as its benefits for the development of curricular materials. Providing the program's graduates with the latest techniques and tools to apply these advances to their daily work. The contents will be taught in a 100% online mode and without timetables. In this way, favoring the organization and personal and work conciliation.





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Through this program you will be able to elaborate more efficient educational resources through the new possibilities offered by Information Technologies"

The way in which certain content is taught has a great influence on the ability to assimilate it. Over the years, some methodologies have become obsolete. In fact, there is currently an open debate about memorization as a way of learning. In any case, the truth is that Information Technologies are generating a world of possibilities in terms of ways of transmitting knowledge.

For this reason, TECH has incorporated a large number of recent studies and research into this program. They try to determine efficient learning methodologies. In this way, through this program you will have access to a wide range of materials and media. All of them, eminently digital and very useful to teach any subject. Because of this, educational psychologists and other educational professionals will have the opportunity to raise the quality standards of their sessions.

The contents will be made available to the student in a 100% online mode, without timetables and with the syllabus available in its entirety from the first day. This favors personal and work conciliation and allows learning to be carried out where, how and when you want.

This **Postgraduate Certificate in Curricular Materials and Educational Technology** 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 curricular materials and educational technology
- ♦ 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 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



Secondary school is often a confusing and disinteresting time for students. Enroll and discover how to get their attention through interactive digital resources"

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TECH teachers will teach you how to use Information Technology to analyze different parameters that will help you to know the level of follow-up of your sessions”

Through the Postgraduate Certificate you will discover how to update your curricular materials to make them attractive.

The contents of this program do not have an exclusively current application. They will help you to continue to innovate for years to come.

The program's teaching staff includes professionals from the sector who contribute their work experience to this program, as well as renowned specialists from leading societies and prestigious universities.

Its 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 education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.



02

Objectives

Graduates of the Postgraduate Certificate program will acquire the ability to apply the latest techniques and technologies in their workspace. The way in which the contents are presented, the evaluation methods or the interaction with the students are some of the elements that can be enhanced thanks to this program, allowing professionals to significantly improve the quality of their sessions.





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The contents of the program include attention to diversity. So that your sessions always have an integration perspective”



General Objectives

- ♦ Define the role of education in the information society
- ♦ Delve into in the possibilities of technology applied to education
- ♦ Provide updated curricular materials

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Enroll and start working with new methodologies of proven effectiveness, such as flipped classroom”





Specific Objectives

- Understand the features of guidance in the information society
- Learn about the New Role of the 2.0 Counselor
- Study the possibilities offered by the Internet as an educational support tool
- Understand the potential of ICT in education and attention to diversity

03

Course Management

The teachers of the Postgraduate Certificate in Curricular Materials and Educational Technology have extensive experience in innovative educational environments. Environments that combine the most innovative methodologies with the latest technologies, and whose positive results have been proven. In this way, students will learn first-hand about the characteristics of its implementation and will be able to extrapolate them to their centers more easily.





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The experience of TECH's faculty will give you a perfect understanding of how certain technologies that are very useful in education work”

Management



Mr. Alfonso Suárez, Álvaro

- ♦ Psychopedagogue specializing in SEN students
- ♦ Teacher of educational reinforcement for SEN students
- ♦ Technician in Social and Health Care for Dependent People in Social Institutions
- ♦ Social Integration Technician
- ♦ Graduate in Psychopedagogy from the University of Laguna



04

Structure and Content

The syllabus of this program reviews the Information Technologies and digital resources applied to the development of curricular sessions and materials. A unique opportunity to work with the tools of the education of the future. In addition, thanks to the Relearning methodology employed by TECH, it will be possible to carry out the learning process while fulfilling other personal and work obligations.





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*An extensive educational program
that offers you a proven process
of updating and specialization”*

Module 1. Curricular Materials and Educational Technology

- 1.1. Educational Guidance in the Information Society
 - 1.1.1. Educational Guidance and New Competences of the Guidance Counselor in the Framework of Information Technologies
 - 1.1.1.1. New Concept of Educational Guidance in the Framework of the Information Society
 - 1.1.1.2. New Competencies of the Guidance Counselor
- 1.2. Materials and Media as Teaching and Learning Support
 - 1.2.1. Curricular Materials, Methodological Principles for its Use and Evaluation
 - 1.2.1.1. Curricular Materials for the Improvement of the Teaching-Learning Process
 - 1.2.1.2. Characteristics and Types of Curricular Materials
 - 1.2.1.3. Use and Evaluation of different types of Curricular Materials
 - 1.2.1.4. Educational Technology
- 1.3. Curricular Materials for New Teaching and Learning Methodologies and Education Innovation (I)
 - 1.3.1. Student-centered Learning, from Planned Curriculum to Curriculum in Action
 - 1.3.1.1. New Learner-centered Educational Paradigm
 - 1.3.1.2. Planned Curriculum and Curriculum in Action
 - 1.3.2. The Concept of Educational Innovation and New Educational Methodologies
 - 1.3.2.1. Educational Innovation
 - 1.3.2.2. Cooperative Learning
- 1.4. Curricular Materials for New Teaching and Learning Methodologies and Education Innovation (II)
 - 1.4.1. Problem-Based Learning, Thinking Culture, Project-Oriented Learning, Gamification, and the Flipped Classroom
 - 1.4.1.1. Problem-based Learning
 - 1.4.1.2. Thinking Culture
 - 1.4.1.3. Project-oriented Learning
 - 1.4.1.4. Gamification
 - 1.4.1.5. Flipped Classroom



- 1.5. The Information Society: ICT in Education
 - 1.5.1. Challenges of Education in the Information Society: Training Citizens in Media Education
 - 1.5.1.1. ICT
 - 1.5.1.2. New Reality in the Information Society
 - 1.5.1.3. Educational Challenges in the Information Society
 - 1.5.1.4. Media Education
- 1.6. Curricular Integration of ICT
 - 1.6.1. Integration of ICT as an Object of Study, Institutional Integration, and Didactic Integration
 - 1.6.1.1. ICT as an Object of Study
 - 1.6.1.2. Institutional Integration of ICT
 - 1.6.1.3. ICTs in the School Curriculum and Didactic Integration
- 1.7. The Internet in Learning: 2.0 Schools and e-Learning Models
 - 1.7.1. Concept and Characteristics of 2.0 Schools. E-learning and b-learning. Vocational Training and Online University. MOOCs
 - 1.7.1.1. School 2.0
 - 1.7.1.2. e-Learning and b-Learning
 - 1.7.1.3. Online Training
 - 1.7.1.4. MOOCs
 - 1.7.2. Possibilities offered by the Internet for the Communication and Professional Development of Educators
 - 1.7.2.1. Communication and Professional Development of Educators on the Internet
- 1.8. Personal Learning Environments (PLE) in Lifelong Learning
 - 1.8.1. PLE Definition, Characteristics and Elements
 - 1.8.1.1. Lifelong Learning
 - 1.8.1.2. Personal Learning Environments, Definition and Characteristics
 - 1.8.1.3. Fundamental Elements and Construction of a PLE
 - 1.8.2. The PLE in the Work of the Counselor
 - 1.8.2.1. Use of PLE in the Guidance Function
- 1.9. Audiovisual Media in Education
 - 1.9.1. Characteristics of Audiovisual Media in Education. Sound Resources, Podcasts, and the Radio in Schools. Image Resources
 - 1.9.1.1. Characteristics of Audiovisual Media in Education
 - 1.9.1.2. Sound Resources
 - 1.9.1.2. Podcast and Radio in School
 - 1.9.1.3. Image Resources
 - 1.9.1.4. Audiovisual Material Design and Production
- 1.10. Vocational and Career Guidance using ICT
 - 1.10.1. ICT in Vocational and Career Guidance Processes in High School. Orienta Program and Web Platforms
 - 1.10.1.1. ICT in Vocational and Career Guidance Processes in High School
 - 1.10.1.2. Guidance Programs for High School Students
 - 1.10.1.3. Web Platforms for Vocational and Career Guidance (MyWayPass)
- 1.11. Developing Multimedia Materials for Tutoring and Academic Guidance
 - 1.11.1. The Concept of Web 2.0. Web Pages, WebQuest, Blogs and Wikis. Multimedia Materials for Tutoring
 - 1.11.1.1. Web 2.0
 - 1.11.1.2. Webquest
 - 1.11.1.3. Blogs
 - 1.11.1.4. Wikis
 - 1.11.1.5. Multimedia Materials for Tutoring
- 1.12. Curricular Materials for Attention to Diversity
 - 1.12.1. Materials for the Attention to Diversity and Materials for Diagnosis and Evaluation ICT in the Attention to Diversity
 - 1.12.1.1. Materials for the Attention to Diversity
 - 1.12.1.2. Materials for Diagnosis and Evaluation
 - 1.12.1.3. ICT for the Attention to Diversity

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.



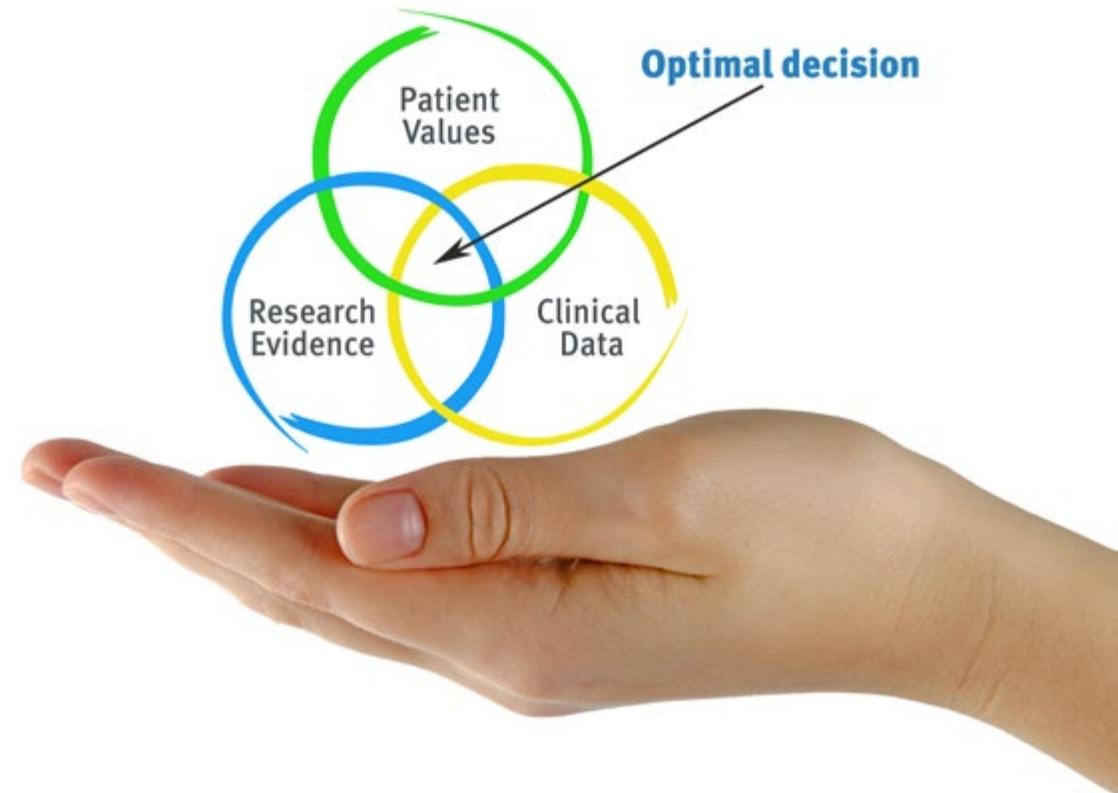
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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH the psychologist experiences a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the psychologist's professional practice.

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Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”

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

1. Psychologists who follow this method not only master the assimilation of concepts, but also develop their mental capacity by means of exercises to evaluate real situations and apply their knowledge.
2. Learning is solidly translated into practical skills that allow the psychologist to better integrate knowledge into clinical practice.
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.



Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

Our university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which is a real revolution compared to the simple study and analysis of cases.

The psychologist will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

This methodology has trained more than 150,000 psychologists with unprecedented success in all clinical specialties. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

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.

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.

The overall score obtained by our learning system is 8.01, according to the highest international standards.



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.



Latest Techniques and Procedures on Video

TECH introduces students to the latest techniques, to the latest educational advances, to the forefront of current psychology. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



Interactive Summaries

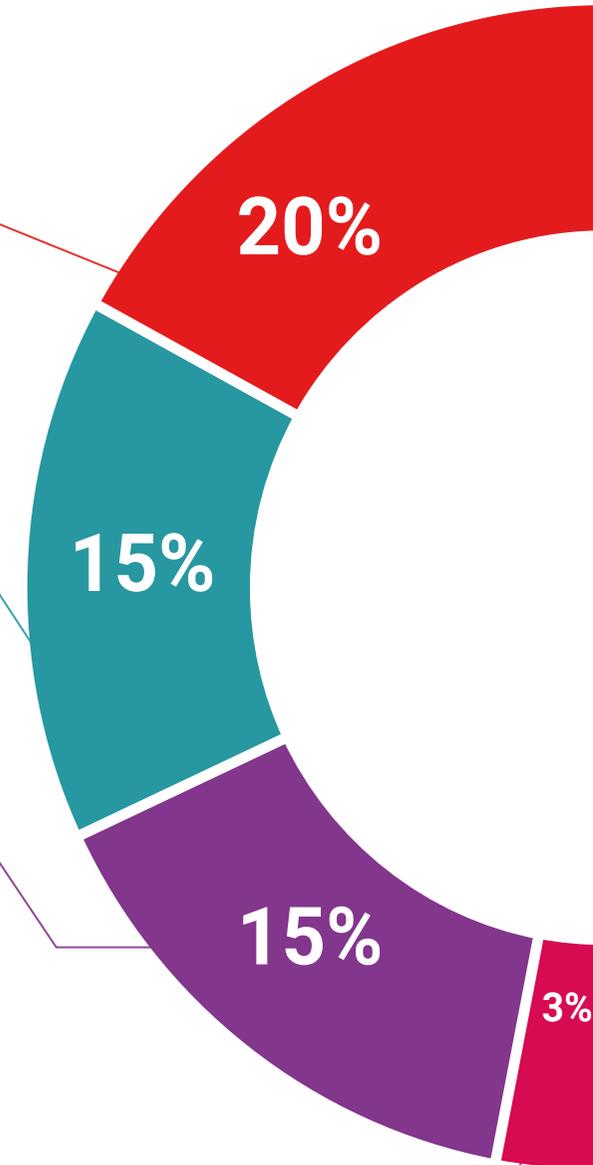
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

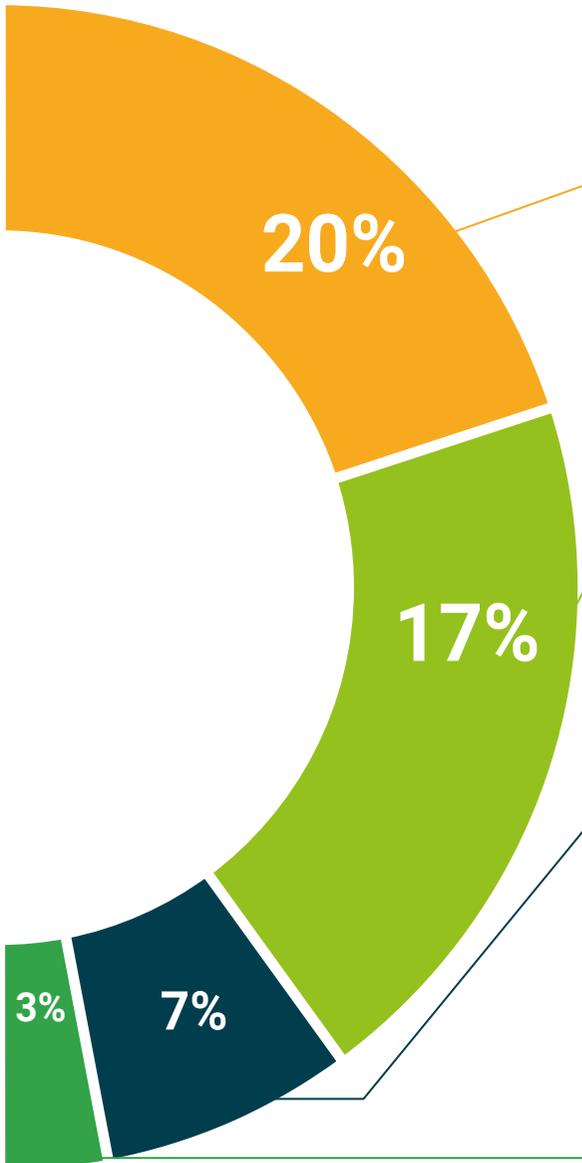
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



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.



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.



Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



06

Certificate

This Postgraduate Certificate in Curricular Materials and Educational Technology guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate 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 program will allow you to obtain your **Postgraduate Certificate in Curricular Materials and Educational Technology** 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.

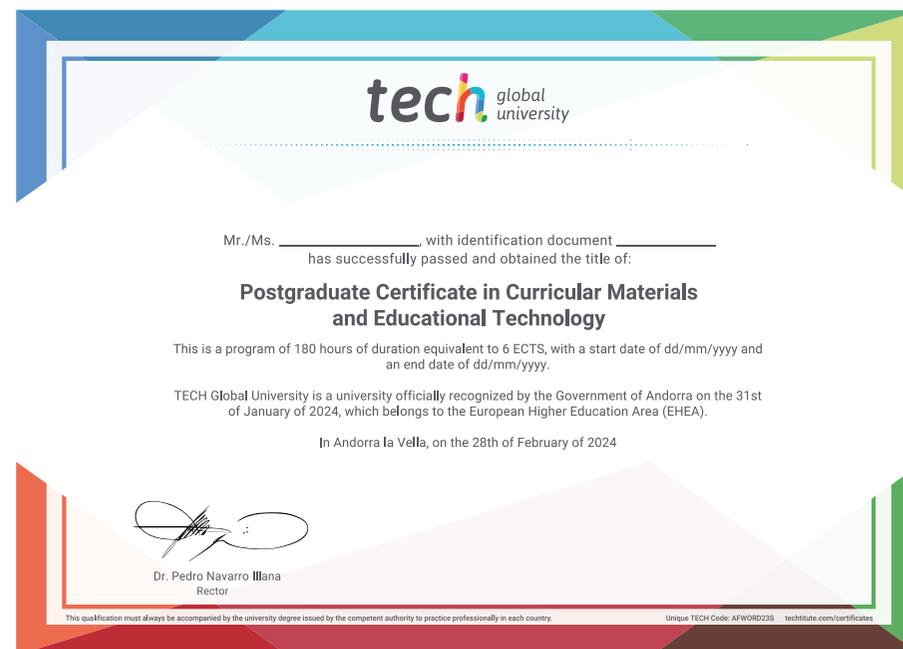
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Curricular Materials and Educational Technology**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 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
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institutions technology learning
community commitment
personalized service innovation
knowledge present
development language
classroom



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