

Postgraduate Certificate Educational Research in Pre-School Education





Postgraduate Certificate Educational Research in Pre-School Education

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

Website: www.techtute.com/us/education/postgraduate-certificate/educational-research-pre-school-education

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Structure and Content

p. 12

04

Methodology

p. 16

05

Certificate

p. 24

01

Introduction

Educational research is a fundamental facet of teachers, thanks to which, they can innovate in their daily practice and learn new methodologies that will improve the knowledge of their students. This program provides students with the keys to specialize in this field and give a boost to their profession.





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Teachers must keep their knowledge up to date in order to achieve their personal learning and also improve their students' learning. In this Postgraduate Certificate we offer you a high level of education so that you can continue to improve in your day-to-day work"

Teachers with extensive skills in educational research will have a more up-to-date knowledge of new teaching tools and methodologies, which they will be able to implement in their daily practice with their students and, therefore, promote their learning.

To this end, TECH has designed this complete program that prepares teachers to be able to reflect on the educational fact and on their own pedagogical practice, all from a scientific point of view, in order to achieve educational improvement.

For this purpose, a series of contents distributed in three thematic blocks will be studied: innovation, research and educational improvement.

During this educational challenge, teachers should be able to identify an educational problem susceptible of being investigated and to design a coherent research proposal in order to guide the results towards educational improvement.

This program is distinguished by the fact that it can be taken in a 100% online format, adapting to the needs and obligations of the student, in an asynchronous and completely self-manageable manner. Students will be able to choose which days, at what time and how much time to dedicate to the study of the contents of the program, always in tune with the abilities and aptitudes dedicated to it.

The order and distribution of the subjects and their topics is specially designed to allow each student to decide and self-manage their time. For this purpose, you will have at your disposal theoretical materials presented through enriched texts, multimedia presentations, exercises and guided practical activities, motivational videos, master classes and case studies, where you will be able to evoke knowledge in an orderly manner and work on decision making that demonstrates your high-level education within this field of teaching.

This **Postgraduate Certificate in Educational Research in Pre-School Education** contains the most complete and up-to-date educational program on the market.

The most important features include:

- ♦ The development of practical cases presented in simulated scenarios by experts in the field of study, where the student will evoke in an orderly manner the knowledge learned and demonstrate the acquisition of the competencies
- ♦ 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
- ♦ New developments in educational research
- ♦ Practical exercises where the students undergo the self-assessment process to improve learning, as well as activities at different skill levels
- ♦ Special emphasis on innovative methodologies and teaching research
- ♦ 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



If you are looking to excel in your profession, don't think twice, at TECH Global University we offer you the most complete education of the moment"

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We offer you the best teaching methodology with a multitude of practical cases so that you can develop your study as if you were facing real cases"

Its teaching staff includes professionals from the field of education, who bring to this program the experience of their work, as well as recognized specialists from reference societies and prestigious universities.

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

The design of this program focuses on Problem-Based Learning, by means of which teachers must try to solve the different professional practice situations that are presented to them throughout the program. To do so, they will be assisted by an innovative interactive video system developed by renowned experts in educational research and with extensive teaching experience.

Acquire a higher professional level that will allow you to compete with the best thanks to the completion of this very complete program.

The program invites us to learn and grow, to develop as teachers, to learn about educational tools and strategies in relation to the most common needs in our classrooms.



02

Objectives

The Postgraduate Certificate in Educational Research in Pre-School Education is oriented to develop in the students the skills required for the exercise of their profession. For this, TECH Global University offers the most complete specialization from the hand of leading experts in the field.





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We want to develop your skills so that you can, in a short period of time, make the professional leap you deserve”



General Objective

- Develop in the teacher the necessary competences to teach their lessons in the Pre-School Education stage, complying with the educational objectives foreseen and focused on Educational Research

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Our goal is to achieve academic excellence and to help you achieve it too”





Specific Objectives

- ◆ Acquire the expected skills and knowledge
- ◆ Have the attitude and a research aptitude to promote the concern for permanent professional improvement
- ◆ Be familiar with quantitative and qualitative knowledge
- ◆ Be familiar with quantitative and qualitative information
- ◆ Know how to plan and develop educational research
- ◆ Identify the techniques and instruments for educational research



03

Structure and Content

The structure of the contents has been designed by top level professionals within the educational panorama, with a wide trajectory and recognized prestige in the profession, endorsed by their experience, and with a wide command of the new technologies applied to teaching.





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*The best content to create
the best teachers”*

Module 1. Theory and Practice of Educational Research

- 1.1. Research and Innovation in Education
 - 1.1.1. The Scientific Method
 - 1.1.2. Research in Education
 - 1.1.3. Approaches to Educational Research
 - 1.1.4. The need for Research and Innovation in Education
 - 1.1.5. Ethics in Educational Research
- 1.2. The Research Process, Stages and Modalities
 - 1.2.1. Modalities of Educational Research and Innovation
 - 1.2.2. Stages of the Research and Innovation Process
 - 1.2.3. Differences between Quantitative and Qualitative Approaches
 - 1.2.4. The Approach to Research Problems
 - 1.2.5. Planning and Development of the Research or Field Work
- 1.3. The Educational Research Process: Keys to Design and Planning
 - 1.3.1. The Approach to Research Problems
 - 1.3.2. The Approach to Research Problems
 - 1.3.3. Planning and Development of the Research or Field Work
- 1.4. The Importance of Bibliographic Research
 - 1.4.1. Selection and Justification of the Research Topic
 - 1.4.2. Possible Fields of Research in Education
 - 1.4.3. The Search for Information and Databases
 - 1.4.4. Rigor in the Use of Information Sources (Avoidance of Plagiarism)
 - 1.4.5. Keys to Elaborate the Theoretical Framework
- 1.5. Quantitative Designs: Scope of the Research and Definition of Hypotheses
 - 1.5.1. The Scope of Quantitative Research
 - 1.5.2. Hypotheses and Variables in Educational Research
 - 1.5.3. Classification of Hypotheses
- 1.6. Quantitative Designs: Types of Designs and Sample Selection
 - 1.6.1. Experimental Designs
 - 1.6.2. Quasi-Experimental Designs
 - 1.6.3. Non-Experimental Studies (Ex Post Facto)
Choosing the Sample





- 1.7. Qualitative Designs
 - 1.7.1. What Is Understood by Qualitative Research?
 - 1.7.2. Ethnographic Research
 - 1.7.3. The Case Study
 - 1.7.4. Biographical-Narrative Research
 - 1.7.5. Grounded Theory
 - 1.7.6. Action Research
- 1.8. Techniques and Instruments for Educational Research
 - 1.8.1. Data Collection: Measurement and Evaluation in Education
 - 1.8.2. Data Collection Techniques and Instruments
 - 1.8.3. Reliability and Validity: Technical Requirements for Instruments
- 1.9. Quantitative Information Analysis
 - 1.9.1. Statistical Analysis
 - 1.9.2. Research Variables
 - 1.9.3. Concept and Characteristics of Hypotheses
 - 1.9.4. Approach to Descriptive Statistics
 - 1.9.5. Approach to Inferential Statistics
- 1.10. Qualitative Information Analysis
 - 1.10.1. What Is Meant by Qualitative Analysis?
 - 1.10.2. General Process of Qualitative Data Analysis
 - 1.10.3. Categorization and Coding
 - 1.10.4. Criteria of Scientific Rigor for Qualitative Data Analysis
- 1.11. From Educational Research to the Professional Development of Educators: Possibilities and Challenges Today
 - 1.11.1. The Current Situation of Educational Research and the Specific Viewpoint of Educational Researchers
 - 1.11.2. From Educational Research to Research in the Classroom
 - 1.11.3. From Classroom Research to the Evaluation of Educational Innovations
 - 1.11.4. Educational Research, Ethics, and Professional Development of Educators
- 1.12. Keys to the Design of a Classroom Research or a Final Project
 - 1.12.1. Writing in an Academic Paper
 - 1.12.2. Main Components of an Academic Paper
 - 1.12.3. The Oral Presentation of an Academic Paper

04

Methodology

This training program offers 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 Global University School we use the Case Method

In a given situation, what should a professional do? Throughout the program students will be presented with multiple simulated cases based on real situations, where they will have to investigate, establish hypotheses and, finally, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method.

With TECH, educators can experience a learning methodology that is shaking the foundations of traditional universities around the world.



It is a technique that develops critical skills and prepares educators to make decisions, defend their arguments, and contrast opinions.

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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. Educators who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process is solidly focused on practical skills that allow educators to better integrate the knowledge into daily practice.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life teaching.
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 case studies with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which represent a real revolution with respect to simply studying and analyzing cases.



Educators 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).

With this methodology we have trained more than 85,000 educators with unprecedented success in all specialties. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

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

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 specialist educators who teach the course, specifically for the course, so that the teaching content is really 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.



Educational Techniques and Procedures on Video

TECH introduces students to the latest techniques, with the latest educational advances, and to the forefront of Education. All this, first-hand, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



Interactive Summaries

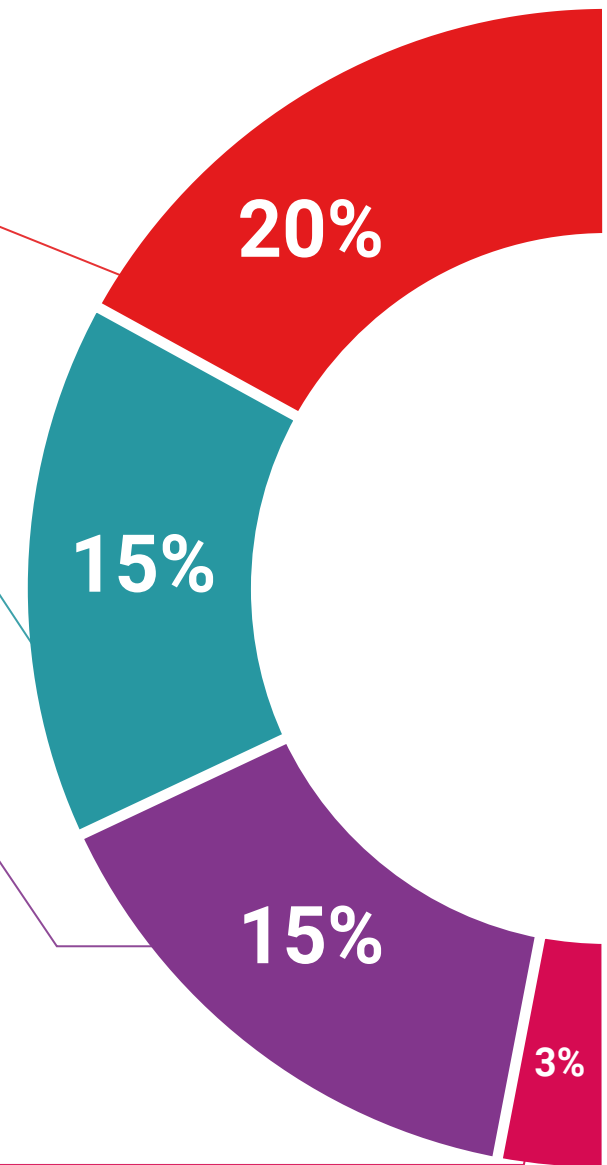
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive multimedia content presentation training Exclusive system 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 your 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.



05

Certificate

The Postgraduate Certificate in Educational Research in Pre-School Education 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 diploma without having to travel or fill out laborious paperwork”

This program will allow you to obtain your **Postgraduate Certificate in Educational Research in Pre-School Education** 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 Educational Research in Pre-School Education**

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
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present
development language
virtual classroom

tech global
university

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