

# Postgraduate Certificate

## Pedagogy of High Capacity Individuals





## Postgraduate Certificate Pedagogy of High Capacity Individuals

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

Website: [www.techtitute.com/in/education/postgraduate-certificate/pedagogy-high-capacity-individuals](http://www.techtitute.com/in/education/postgraduate-certificate/pedagogy-high-capacity-individuals)

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# 01

# Introduction

By combining models, multidisciplinary assessments and facing the challenges of the modern school, High Capacity pedagogy seeks to address the educational needs of students with outstanding abilities. In this way, an enriching education adapted to their potential is provided, promoting their integral development. This is why it is essential for the educator to be at the forefront with the most up-to-date pedagogical techniques, in order to deliver learning focused on the specific competencies of each student. Faced with this situation, TECH has created a program in a 100% online format, offering educators the flexibility to coordinate their daily obligations with their learning process, since they will not be subject to fixed schedules.







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*You will explore the evolution of the concept of intelligence and acquire the skills necessary to maximize the development of your students' individual capacity"*

The High Capacity present in some students is not only the result of genetic factors, but is also influenced by their environment, educational experiences and individual characteristics. In this sense, pedagogical methods are required to understand and support all aspects of the development of students with outstanding competencies.

In this way, a challenge is presented for the school in relation to higher intellectual abilities, since this environment must guarantee inclusive and equitable teaching for all individuals, including those with these special conditions. That is why the academy must provide a setting in which these trainees can develop their talents to the fullest. This involves implementing flexible and differentiated teaching methods that are tailored to the individual needs of each student, as well as fostering an inclusive school climate that values diversity and promotes equal opportunity.

Taking into account the above, the teacher is a key agent in the Pedagogy of high faculties. Their ability to identify, adapt, differentiate and provide emotional and social support to students with exceptionalities is essential to ensure that these students receive enriching and challenging learning that promotes their holistic development and enables them to reach their full potential. In this way, the educator must be at the forefront of issues related to the various methodologies that can be implemented, as well as how to deal with the challenges that, of course, may arise in the process.

Following this perspective, TECH has created a Postgraduate Certificate in Pedagogy of High Capacity Individuals. This program is presented in a 100% online format and implements the Relearning methodology. In addition, it gives the education professional the possibility of accessing at any time and from any location, since only an electronic device with an Internet connection is needed.

This **Postgraduate Certificate in Pedagogy of High Capacity Individuals** contains the most complete and up-to-date educational program on the market. The most important features include:

- ♦ Case studies presented by experts in High-Capacity Individuals and Inclusive Education
- ♦ 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



*Through this program, you will explore a new approach to the teacher, going beyond the transmission of knowledge and becoming a transformative agent in the learning process"*

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*Throughout 6 weeks, delve into the fundamentals to address diversity in the current pedagogical-legal framework and build inclusive educational environments for students with High Capacity”*

*Create customized educational plans through the application of curricular organization strategies, with this 100% online program.*

*Develop the skills for the education of the future together with TECH, exploring the innovative emerging educational paradigm.*

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 educational year. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.



# 02

# Objectives

The objective of this program is to offer the teacher the most up-to-date and innovative tools and knowledge in the new pedagogical methods that can be implemented when educating students with High Capacity. In this way, the educator will be able to provide a quality education adapted to the needs of students with outstanding abilities, promoting their integral development, their emotional well-being and exploiting their potential. In order to achieve this goal, TECH has provided participants with a variety of audiovisual materials that are housed in a virtual library, which is accessible 24 hours a day without restrictions.







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*Take advantage of the virtual mode of this Postgraduate Certificate, which offers you the opportunity to maximize your learning from the comfort of your home”*



## General Objectives

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- ♦ Train the participant to recognize and initiate the detection of students who present characteristics compatible with the High Abilities spectrum
- ♦ Make known the main characteristics of High Capacity, as well as the pedagogical, scientific, and legal framework in which this reality is framed
- ♦ Show students the main assessment tools, as well as the criteria to complete the process of indentifying the specific educational needs required for High Capacity
- ♦ Enable students in the use of techniques and strategies for educational intervention, as well as for response orientation in different extracurricular areas
- ♦ Develop in students the capacity to elaborate specific adaptations, as well as to collaborate or to promote integral programs within the educational project and the attention plan for diversity at a center
- ♦ Value the multidimensionality of High Capacity and the need for multiprofessional interventions with flexible and adaptive methodologies from an inclusive vision
- ♦ Consolidate innovation and the application of new technologies as a central and useful element in the educational process
- ♦ Awaken in the student the necessary sensitivity and initiative to become a catalyst for the paradigmatic change that will make an inclusive educational system possible





## Specific Objectives

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- ♦ Know the characteristics of the current emerging educational paradigm within the pedagogical and scientific framework
- ♦ Differentiate the roles played by the different educational agents in the new paradigm
- ♦ Refresh the theoretical bases of the learning process in individuals
- ♦ Value the advantages of attention to diversity versus obsolete educational models
- ♦ Explore the possible routes to achieving quality education
- ♦ Know the place of high-capacity individuals in this new scenario of change
- ♦ Learn the scientific foundations for high-capacity individuals and the differential cognitive functioning of these students
- ♦ Interpret the different models and theories that define high-capacity individuals from different points of view
- ♦ Delve into the examination of giftedness carried out in our closest environment
- ♦ Share the educational challenges of the present and the objectives of a school in the 21st century
- ♦ Understand Inclusive education and attention to diversity as a fundamental right of all students
- ♦ Analyze the pedagogical and legal framework passing through the different institutional levels that mark the right to and the bases of education



03

# Course Management

To carry out this program, a group of teachers versed in the field of High Capacity has been brought together. These experts are recognized for their extensive background and professional experience in inclusive education areas. Therefore, the participant who decides to take this Postgraduate Certificate can be sure to receive the necessary knowledge to stand out and be a reference in this field.





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*You will have an outstanding teacher team and a comprehensive syllabus, which will allow you to apply best practices in multidisciplinary assessment and identify the educational needs of your students with outstanding abilities"*



## Management



### Dr. Medina Cañada, Carmen Gloria

- ♦ Director of the Instituto Canario de Altas Capacidades (Canary Islands Institute of High Capacities)
- ♦ Psychologist and Speech therapist at the Asperger Association of the Canary Islands (ASPERCAN)
- ♦ Psychologist and Speech Therapist in Yoyi
- ♦ Psychologist and Speech Therapist at the Center for Audiology and Speech Therapy Studies
- ♦ Psychologist of minors in the Psychological Guidance Area at ANSITE
- ♦ Bachelor's PhD in Pedagogy, University of La Laguna
- ♦ Bachelor's Degree in Pedagogy, University of La Laguna
- ♦ Degree in Primary Education by University of La Laguna

## Professors

### Mr. Hernández Calvín, Francisco Javier

- ♦ Specialist in Psychopedagogy and High Capacities
- ♦ Neurosynchrony Manager (Alicante)
- ♦ Judicial Expert at the International Institute of High Capacities of the Community of Valencia
- ♦ Degree in Psychopedagogy from ULPGC
- ♦ Diploma in Primary School Education from the University of Las Palmas of Gran Canaria (ULPGC)
- ♦ Master's Degree in High Capacities from the CEU Cardenal Herrera University

### Ms. Herrera Franquis, María del Carmen

- ♦ Director of the Canary Islands Psychological Center
- ♦ Director of the Canary Islands Institute of High-Capacity Individuals in Tenerife
- ♦ Teacher in university and postgraduate studies in Psychology
- ♦ Degree in Psychology
- ♦ Expert in the Psychological Approach to Personality Disorders in Childhood and Adolescence
- ♦ Member of: the National Network of Psychologists for the Psychological Attention to Victims of Terrorism of the Ministry of the Interior

### Ms. Rodríguez Ventura, María Isabel

- ♦ Director, Coordinator and Therapist at Gabinete Pedagógico Lanzarote S.L.
- ♦ Coordinator, Therapist and Head Pedagogue at Asociación Creciendo Yaiza
- ♦ Member of the Instituto Canario de Altas Capacidades (Canary Institute of High Capacities) Lanzarote delegation
- ♦ Bachelor's Degree in Pedagogy, University of La Laguna
- ♦ Master's Degree in Intervention in Learning Difficulties from ISEP

### D. Gris Ramos, Alejandro

- ♦ Technical Engineer in Computer Management
- ♦ CEO & Founder Club de Talentos
- ♦ CEO. Persatrace, Online Marketing Agency
- ♦ Business Development Director at Alenda Golf
- ♦ Director. PI Study Center
- ♦ Director of Web Application Engineering Department at Brilologic
- ♦ Web programmer at Grupo Ibergest
- ♦ Software/web programmer at Reebok Spain
- ♦ Technical Engineer in Computer Management
- ♦ Master's Degree in Digital Teaching and Learning Tech Education
- ♦ Master's Degree in High Abilities and Inclusive Education
- ♦ Master' s Degree in E-Commerce
- ♦ Specialist in the latest technologies applied to teaching, digital marketing, web application development and Internet business

### Ms. Pérez Santana, Lirian Ivana

- ♦ Psychologist Specialized in High Capacities
- ♦ Director of the Instituto Canario de Altas Capacidades (Canary Institute of High Capacities)
- ♦ Guidance Counselor at IES Vega de San Mateo
- ♦ Guidance counselor at CPEIPS Nuestra Señora de las Nieves
- ♦ Bachelor's Degree in Pedagogy, University of La Laguna
- ♦ International Master's Degree in Forensic Psychology from the Spanish Association of Behavioral Psychology

**Dr. Peguero Álvarez, María Isabel**

- ♦ Specialist in Family and Community Medicine in the Extremeño Health Service
- ♦ Family Physician with Pediatric duties in Primary School Care
- ♦ Coordinator of the Primary School team in the Extremadura Health Service
- ♦ Author of several publications related to high capacities and of the Clinical Practice Guide in Primary School Care.
- ♦ Participation in various forums, congresses, and conferences related to high capacities

**Ms. Jiménez Romero, María Yolanda**

- ♦ Pedagogical advisor and external educational collaborator
- ♦ Academic Coordinator Online University Campus
- ♦ Territorial Director of the Extremeño-Castilla La Mancha Institute of High Capacity
- ♦ Creation of Educational Contents INTEF. Ministry of Education and Science
- ♦ Degree in Primary Education, English specialization
- ♦ Psychopedagogy. International University of Valencia
- ♦ Master's Degree in Neuropsychology of High Abilities
- ♦ Master's Degree in Emotional Intelligence. Specialist in NPL





**Mr. Hernández Felipe, Eduardo**

- Psychologist Expert in High Capacities and Social Intervention
- Psychologist Responsible for an Immediate Care Center
- Child and Adolescent Psychologist at DUO Center
- Psychologist at The Catholic Worker Farm
- Collaborator in the Canary Islands Institute of High Capacities
- Degree in Psychology from the University of La Laguna
- Master's Degree in Family Intervention from the University of Gran Canaria
- Master's Degree in General Health Psychology from the University of Valencia
- Master's Degree in High Abilities and Inclusive Education

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*Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice”*



# 04

## Structure and Content

The syllabus of this Postgraduate Certificate gathers the necessary concepts so that the educator can achieve an innovative form of pedagogy and apply it to students with High Capacity. In this way, the teacher will delve into areas such as curriculum organization, the biopsychosocial model and the challenge of the 21st century school in the face of these special faculties. To achieve this, TECH provides the participant with a wide selection of multimedia resources, such as simulations of real cases, which can be accessed anytime and anywhere, since all that is needed is a device with an Internet connection.





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*With the Relearning methodology, you will learn more efficiently and consolidate your knowledge in a lasting way"*

## Module 1. Educational Paradigm and Pedagogical Framework of High-Capacity Individuals

- 1.1. Emerging Educational Paradigm: Toward the Education We Need
  - 1.1.1. Teacher Role beyond Transmitting Knowledge
  - 1.1.2. Student Role in the New Learning Context
- 1.2. Attention to Diversity in Our Pedagogic-Legal Framework
  - 1.2.1. LOE-LOMCE
  - 1.2.2. International Treaties
- 1.3. Organizing the Curriculum and High-Capacity Individuals
  - 1.3.1. Educational Plans and Projects
  - 1.3.2. Organizing the Curriculum and the Classroom
  - 1.3.3. Orientation and Guidance Teams
- 1.4. The Evolution of the Concept of Intelligence
  - 1.4.1. Factorial and Multifactorial Models
  - 1.4.2. Synthesis Models and Capacity Studies
  - 1.4.3. From Psychometric Theories to the Information Processing Model
  - 1.4.4. Computational Model
  - 1.4.5. Models Based on Neuroscience: Human Connectome
- 1.5. Explanatory Theories on High-Capacity Individuals
  - 1.5.1. Scientific Basis
  - 1.5.2. Renzulli's Theory
  - 1.5.3. Gagné's Theory
  - 1.5.4. Theories on Intelligence
  - 1.5.5. Evolutionary Models
  - 1.5.6. Multiple intelligences
- 1.6. Educational Paradigm and Pedagogic-Scientific Framework Concerning High-Capacity Individuals
  - 1.6.1. Definition and History of The Biopsychosocial Model
  - 1.6.2. Some Sociocultural Models that Explain High Capacity
  - 1.6.3. The Biopsychosocial Model: The Integrative Model
  - 1.6.4. Scientific Framework of High Capacity
  - 1.6.5. High Capacity from a Pedagogical Perspective





- 1.7. Multidisciplinary Evolution
  - 1.7.1. Attention to Diversity: Detection, Assessment and Diagnosis
  - 1.7.2. Psychopedagogical Evaluation
  - 1.7.3. The Psycho-Pedagogical Assessment in High Capacity Intellectuals
  - 1.7.4. Multidisciplinary Evolution
- 1.8. Specific Educational Needs and Teacher Training
  - 1.8.1. The Concept of Educational Needs: Origin and Historical Evolution
  - 1.8.2. Specific Educational Needs; NEAE Regulations
  - 1.8.3. Definition and Classification of Specific Educational Needs
  - 1.8.4. Characteristics of NEAE
  - 1.8.5. Teaching Training Needs and Educational Response to the ACNEAE
- 1.9. The Challenge of the 21st Century School Regarding High-Capacity Individuals
  - 1.9.1. A Brief Historical Review
  - 1.9.2. A Plural and Democratic Society
  - 1.9.3. The Challenges of 21st Century Education in Terms of Diversity
  - 1.9.4. The Educational Challenges of the 21st Century with Regard to High Capacity
  - 1.9.5. Competency-Based Learning in Students with High Capacity

“ You will have the most up-to-date academic content in the educational field and take advantage of its presentation in innovative multimedia formats to enhance your study experience”

05

# 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 Education 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

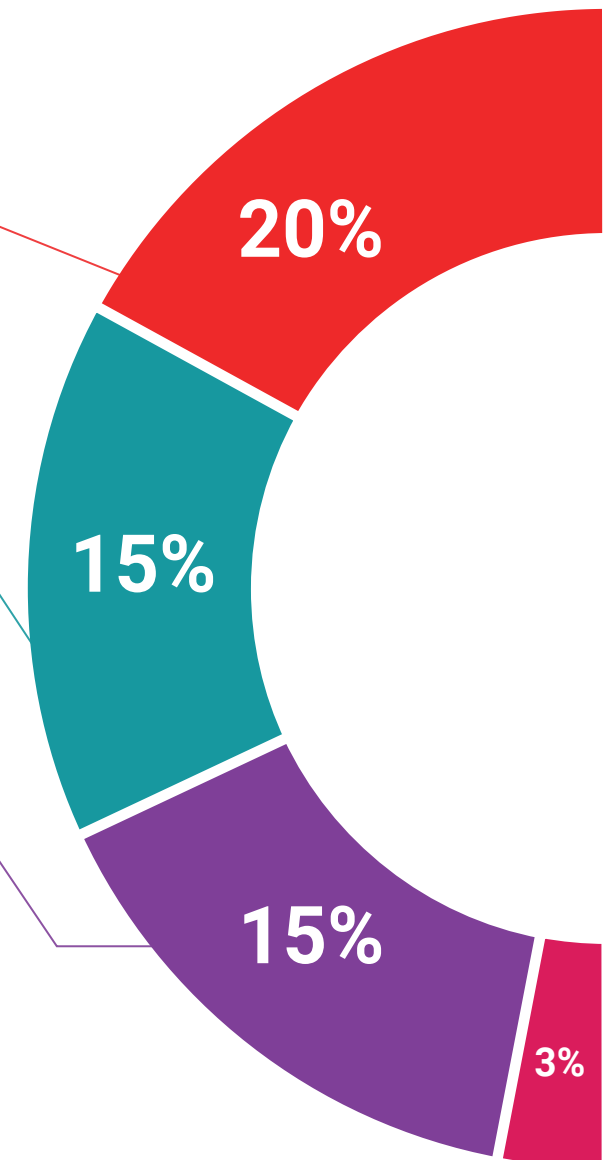
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

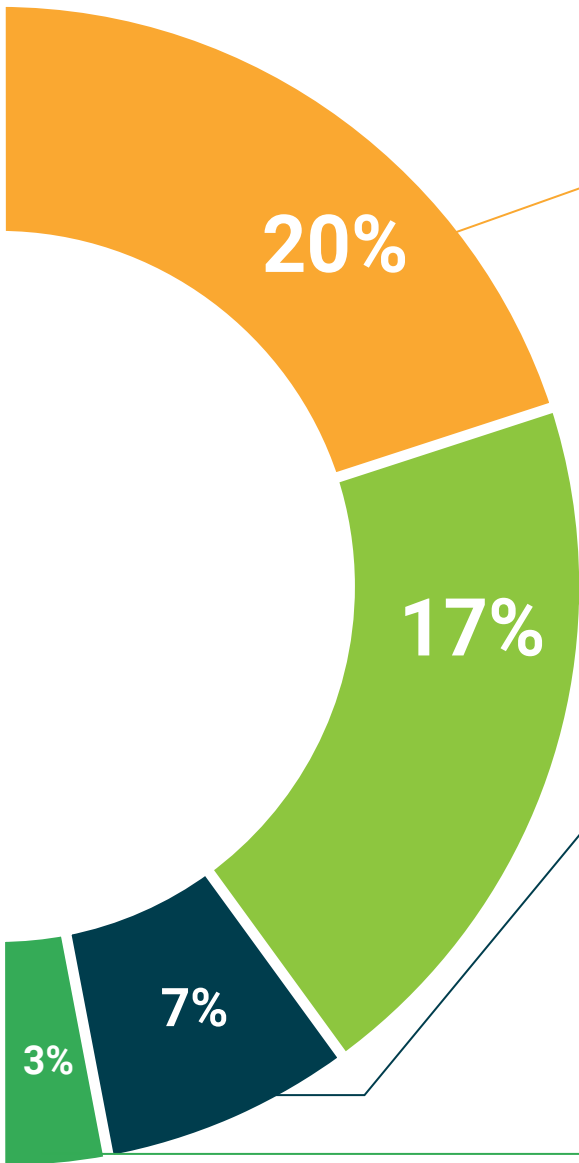
This exclusive multimedia content presentation training Exclusive system was awarded by Microsoft as a "European Success Story".



#### 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.



06

# Certificate

The Postgraduate Certificate in Pedagogy of High Capacity Individuals guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.







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

This **Postgraduate Certificate in Pedagogy of High Capacity Individuals** contains the most complete and up-to-date scientific 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 Pedagogy of High Capacity Individuals**

Official N° of Hours: **100 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.

future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

personalized service innovation

knowledge present

online training

development language

virtual classroom

**tech** technological  
university

**Postgraduate Certificate**  
**Pedagogy of High**  
**Capacity Individuals**

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
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# Postgraduate Certificate

Pedagogy of High  
Capacity Individuals

