

Postgraduate Certificate  
Autism Spectrum and Pervasive  
and Specific Developmental  
Disorders for Teachers



## Postgraduate Certificate

### Autism Spectrum and Pervasive and Specific Developmental Disorders for Teachers

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

Website: [www.techtute.com/us/education/postgraduate-certificate/autism-spectrum-pervasive-specific-developmental-disorders-teachers](http://www.techtute.com/us/education/postgraduate-certificate/autism-spectrum-pervasive-specific-developmental-disorders-teachers)

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# 01

# Introduction

Autism spectrum disorders are developmental disabilities caused by differences located in the brain and directly affect aspects such as communication and social interaction. Given this, the role of an educator is essential, who through their praxis helps in the process of interaction and socialization of the individual, making them participate in necessary events of daily life. That is why TECH has designed this program based on the *Relearning* methodology and the approach of real cases put into practice. In this way, the professionals who wish to complete the program will have access to an exclusive content, designed according to the current needs of the sector and with a conglomerate of information presented in high-impact audiovisual material.







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*With this program you will learn to identify the main causes of ASD and you will also learn how to cope with them through techniques and methodologies for the correct development”*

Social interaction and communication are a necessity for human beings, since in one way or another they need to transmit or demonstrate their behaviors and interests.

However, there are specific cases of people who suffer from Autism Spectrum Disorder and this affects the course of their life, either by being afraid of other people, noises, proactive behaviors or the environment itself.

That is why, to overcome these problems, the presence of a professional with extensive knowledge of ASD is necessary, who knows in principle the manifestations and classifications of the different disorders, as well as their treatments for a correct evolution of personal development.

As a result of this need, TECH has designed this Postgraduate Certificate, which is focused on the special education of children and young people diagnosed with some type of neurodevelopmental disorder. Therefore, the professionals will find within this program a wide academic range, full of exclusive and updated information regarding the latest developments in the sector. It will also include audiovisual material, complementary readings and practical exercises based on real cases, enriching the experience and making it more immersive.

It is worth noting that as this is a 100% online program, there will be no need to go to an on-site center, and it will also have a virtual campus, from which the course content can be extracted and reviewed as often as necessary. Therefore, you will only need a device with an Internet connection.

This **Postgraduate Certificate in Autism Spectrum and Pervasive and Specific Developmental Disorders** contains the most complete and up-to-date educational program on the market. The most important features include:

- ♦ The development of case studies presented by experts in Autism Spectrum and Pervasive and Specific Developmental Disorders
- ♦ The graphic, schematic, and practical contents with which they are created, provide 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
- ♦ 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



*A program full of updated information about ASD, so that once you have completed it you will be an expert in the field"*

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*You will have access to the virtual campus 24 hours a day, so that you can learn more about the most important aspects of this field"*

The program's teaching staff includes professionals from the industry who contribute their work experience to this 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.

*Learn about the most effective diagnostic techniques and contribute in those cases where the person's condition is not yet known.*

*Develop specialist competencies in Therapeutic Pedagogy to offer your school quality work in this area of fundamental interest.*



# 02

# Objectives

TECH identifies the current needs of the field and converts them into objectives for education professionals. In this way, whoever wishes to take the Postgraduate Certificate will acquire a series of competencies that will help them for the rest of their professional career. The knowledge contained in this program aims to provide informative and didactic tools, essential for a correct approach to neurodevelopmental disorders, mainly ASD. Therefore, after completing this program, the goals to be achieved will be closer.





A 3D anatomical illustration of a human spine and brain. The spine is shown in a light blue color, and the brain is in a darker blue. A red, semi-transparent overlay covers the top right portion of the image. The spine is shown in a cross-section, revealing the vertebrae and the spinal cord. The brain is shown in a similar cross-section, revealing the cerebral cortex and the underlying structures. The overall style is clean and modern, with a focus on the human body and technology.

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*Become a recognized teacher who addresses complex cases of students with neurodevelopmental disorders, so you will not only contribute to the field but to humanity”*



## General Objectives

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- ♦ Learn how Special Education has evolved, especially regarding international entities such as UNESCO.
- ♦ Use a scientific vocabulary adjusted to the demands of multiprofessional teams, participating in student coordination and monitoring
- ♦ Collaborate in supporting families / legal guardians in the development of students
- ♦ Participate in the assessment and diagnosis of special educational needs
- ♦ Elaborate the adaptations required by students with special educational needs
- ♦ Use the methodology, tools and material resources adapted to the individual needs of students with special educational needs
- ♦ Learn the basics of Psychology, Educational Sciences and Neurology both to read reports from other professionals and to establish specific guidelines for the appropriate response at school to the needs posed by students
- ♦ Establish measures both in the classroom, school and environment for students with special educational needs to enable their full inclusion in today's society





## Specific Objectives

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- ♦ Define and differentiate the different concepts within autism spectrum disorder
- ♦ Delve deeper into the different disorders, their characteristics, intervention and needs, among other aspects
- ♦ Adapt tools and materials related to learner needs
- ♦ Recognize the different evaluations and prognoses to be established



*Enhance your profile and be part of the select group of the most successful professionals in pedagogy and special education"*



# 03

# Course Management

The teaching staff of this program is made up of experts and connoisseurs of Autism Spectrum Disorders. They are professionals recognized by the profession, who are part of respected organizations and research groups. They also stand out for their human work, changing the lives of thousands of diagnosed people. It is also worth mentioning their commitment and dedication, having an open communication channel to solve doubts and help new generations.







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*The best in the sector, ready to help you become part of them through this Postgraduate Certificate"*

## Management



### Dr. Mariana Fernández, María Luisa

- ♦ Head of Studies in CEPA Villaverde
- ♦ Head of the Guidance Department at Juan Ramón Jiménez Secondary School
- ♦ Educational counselor at the Department of Education of the Community of Madrid
- ♦ Teacher in postgraduate studies
- ♦ Speaker at Educational Guidance Congresses
- ♦ PhD in Education from the Autonomous University of Madrid
- ♦ Degree in Industrial Psychology from the Complutense University Madrid

## Professors

### Mr. Serra López, Daniel

- ♦ Special Education Technical Assistant at the Gil Gayarre Foundation
- ♦ Educnatur Special Education Monitor
- ♦ Special Education Teacher and Tutor at C.E.E. Virgen del Loreto
- ♦ Graduate in Primary Education by ESCUNI Magisterio University Center
- ♦ Professional Master's Degree in Inclusive Education and High Abilities from CEU Cardenal Herrera University
- ♦ Expert in Attention to students with Special Educational Needs in Secondary Education by CEU Cardenal Herrera University.

### Ms. Ruiz Rodríguez, Rocío

- ♦ Special Education Technical Assistant at the Gil Gayarre Foundation
- ♦ Coordinator for events with children and young people
- ♦ Instructor in toy libraries and children's leisure centers
- ♦ Support service for children with special educational needs
- ♦ Graduate in Primary Education



**Ms. Vílchez Montoya, Cristina**

- ♦ Teacher in Primary Education, expert in Therapeutic Pedagogy
- ♦ Professor in postgraduate university studies
- ♦ English teacher at The Story Corner
- ♦ Degree in Primary Education with mention in Therapeutic Pedagogy

**Mr. Pérez Mariana, Julio Miguel**

- ♦ Leisure and Leisure Monitor in Camps and Extracurricular Activities
- ♦ Swimming instructor
- ♦ Primary Education Teacher
- ♦ Superior Technician in Physical and Sports Activities Animation
- ♦ Technician in Conduction of Physical-Sports Activities
- ♦ Specialized instructor course for youngsters with special educational needs



*A unique, key, and decisive educational experience to boost your professional development"*



# 04

## Structure and Content

The syllabus of this program has been selected by experts in the field. They have brought together the most current and most professionally demanded topics, so different aspects such as diagnosis, manifestations of the disorder and its classifications will be addressed. In the same way, they have shaped this module from their experience and knowledge, which summarizes a conglomerate of great informative, academic and pedagogical impact, which will be available for download on the virtual campus.





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*A syllabus developed by experts in the sector, so you will learn from them the best techniques for approaching the disorders that affect neurodevelopment"*

**Module 1. Neurodevelopmental Disorders: Autism Spectrum Disorder / Pervasive and Specific Developmental Disorders**

- 1.1. Definition, Clinical Presentation and Classification
  - 1.1.1. Etiology
  - 1.1.2. Genetic Factors
  - 1.1.3. Neurochemical Alterations
  - 1.1.4. Immune Function Alterations
  - 1.1.5. Environmental Factors
  - 1.1.6. Comorbidity
  - 1.1.7. Diagnostic Criteria
  - 1.1.8. Early Detection
  - 1.1.9. Prevalence
  - 1.1.10. Differences in Classification between DSM V and ICD 10
- 1.2. Students with Autism Spectrum Disorder (ASD): Types of Alterations
  - 1.2.1. Definition According to the DSM V
  - 1.2.2. Symptoms According to the DSM V
  - 1.2.3. Definition According to the ICD 10
  - 1.2.4. Symptoms According to the ICD 10
  - 1.2.5. Educational Intervention According to Developmental Stage
  - 1.2.6. Educational Intervention in Early Childhood (3 to 6 Years of Age)
  - 1.2.7. Educational Intervention in Childhood (6 to 12 Years of Age)
  - 1.2.8. Educational Intervention in Adolescence (12 to 20 Years of Age)
  - 1.2.9. Educational Intervention in Adulthood (20 to 40 Years of Age)
  - 1.2.10. Curricular Adaptations



- 1.3. Identifying Special Educational Needs in ASD Students
- 1.4. ASD Student Intervention
- 1.5. Organizing Resources for ASD Students
- 1.6. Specific Intervention Models
- 1.7. Adapting the Curriculum for ASD Students
- 1.8. Educational Response for ASD Students in Childhood Education
- 1.9. Educational Response for ASD Students in Secondary and Primary Education
- 1.10. Educating Adults on ASD: Counseling for Families with ASD Students

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*This program is the best investment for your professional growth"*



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

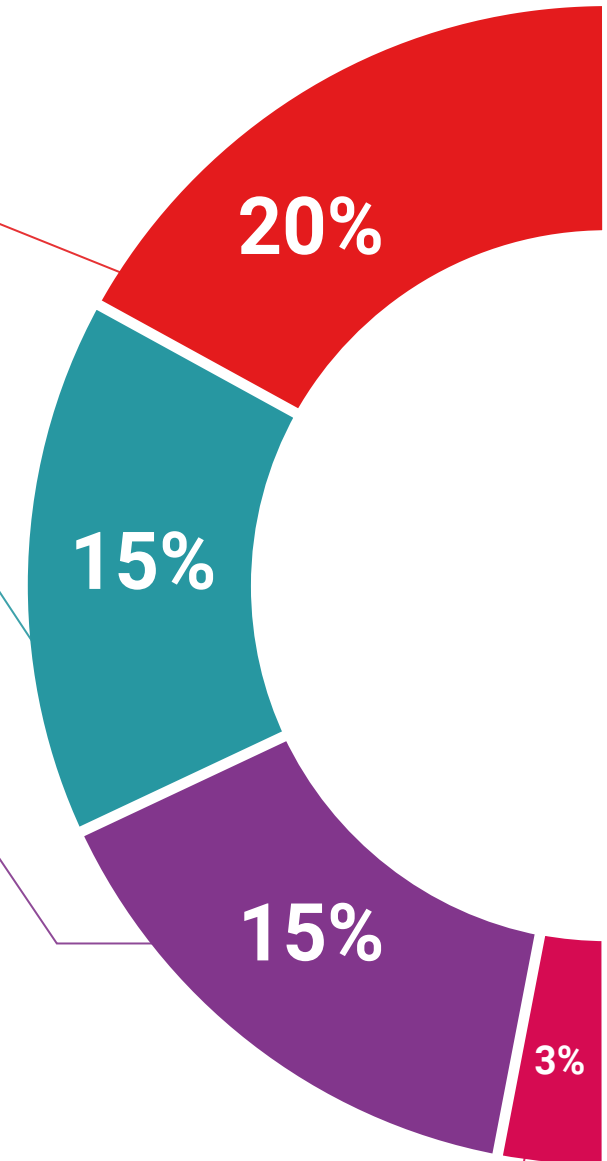
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

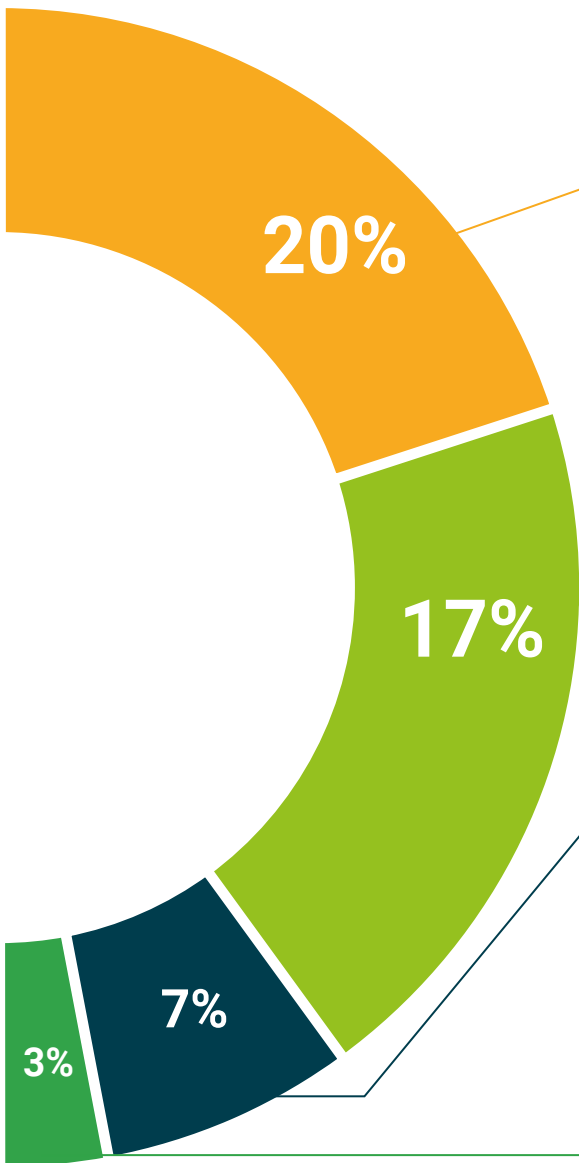
This exclusive multimedia content presentation training Exclusive system was awarded by Microsoft as a "European Success Story".



#### 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 Autism Spectrum and Pervasive and Specific Developmental Disorders for Teachers guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate of 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 Autism Spectrum and Pervasive and Specific Developmental Disorders for Teachers** 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 Autism Spectrum and Pervasive and Specific Developmental Disorders for Teachers**

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.



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