

Postgraduate Certificate  
Dyslexia, Dyscalculia  
and Hyperactivity





## Postgraduate Certificate Dyslexia, Dyscalculia and Hyperactivity

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

Website: [www.techtitute.com/us/education/postgraduate-certificate/dyslexia-dyscalculia-hyperactivity](http://www.techtitute.com/us/education/postgraduate-certificate/dyslexia-dyscalculia-hyperactivity)

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# 01

# Introduction

Dyslexia, dyscalculia and hyperactivity are learning disorders that require very specific and targeted intervention that coordinates the different areas of development students who are affected by these disorders. Organizing this type of multidisciplinary work and intervening in an active way is a very frequent task, for which the professional needs very up-to-date skills, such as those that are covered in this program.





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*The latest advances in learning disabilities intervention in the areas of Dyslexia, Dyscalculia and Hyperactivity in just a few weeks of training"*

Neuropsychology is a complex field. It covers a broad spectrum of intervention that requires the professional to have very specific training in the various branches of brain development. This discipline, deeply linked to neurology and the physiological study of the brain, is affected by the changes that the evolution of knowledge in this scientific branch achieves. For professionals, this means an intense challenge of permanent updating that allows them to be at the forefront in terms of the approach, intervention and monitoring of the cases that may arise in their classrooms.

Throughout this program, the student will review all the current approaches to the work carried out by neuropsychologists regarding the different challenges posed by their profession.

The functioning of memory, language, the relationship between laterality and cognitive development, sensoriality and many other aspects, will be the topics of work and study that the student will be able to integrate in their training. A high-level step that will become a process of improvement, not only on a professional level, but also on a personal level.

This challenge is one of TECH Global University's social commitments: to help highly qualified professionals train and develop their personal, social and work skills throughout their studies.

We will not only take you through the theoretical knowledge we offer, but we will introduce you to another way of studying and learning, one which simpler, more organic, and efficient. We will work to keep you motivated and to develop a passion for learning within you. And we will push you to think and develop critical thinking abilities.

A high level of scientific training, supported by advanced technological development and teaching experience of the best professionals. These are some of its differential qualities:

- ♦ The latest technology in online teaching software
- ♦ A highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand
- ♦ Practical cases presented by practising experts
- ♦ State-of-the-art interactive video systems
- ♦ Teaching supported by telepractice
- ♦ Continuous updating and recycling systems
- ♦ Autonomous learning: full compatibility with other occupations
- ♦ Practical exercises for self-evaluation and learning verification
- ♦ Support groups and educational synergies: questions to the expert, debate and knowledge forums
- ♦ Communication with the teacher and individual reflection work
- ♦ Content that is available on any fixed or portable device with an Internet connection
- ♦ Supplementary documentation databases are permanently available, even after the course



*A program created for professionals who aspire for excellence, and that will enable you to acquire new skills and strategies easily and effectively"*

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*Learn about and integrate into your work, the new programs for working with dyslexia in education"*

Our teaching staff is made up of working professionals. This way, we ensure that we provide you with the update program we are aiming for. A multidisciplinary team of professors with training and experience in different environments, who will develop theoretical knowledge effectively, but, above all, will bring their practical knowledge derived from their own experience to the course: one of the differential qualities of this Postgraduate Certificate.

This mastery of the subject is complemented by the effectiveness of the methodological design of this Postgraduate Certificate. Developed by a multidisciplinary team of e-Learning experts, it integrates the latest advances in educational technology. This way, you will be able to study with a range of comfortable and versatile multimedia tools that will give you the operability you need in your training.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely, we will use telepractice: with the help of an innovative interactive video system and Learning from an Expert you will be able to acquire the knowledge as if you were scenario the scenario you are learning at that moment. A concept that will allow you to integrate and fix learning in a more realistic and permanent way.

*An effective and proactive way to offer students new ways to improve and progress.*

*Learning the specific needs and ways of working with cases of dyscalculia in schoolchildren.*



02

# Objectives

Our objective is to train highly qualified professionals for the working An objective that is complemented, moreover, in a global manner, by promoting human development that lays the foundations for a better society. This objective is focused on helping professionals reach a much higher level of expertise and control. A goal that, in just six months, you will be able to achieve with a highly intensive and precise Postgraduate Certificate.







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*If your goal is to improve in your profession, to acquire a qualification that will enable you to compete among the best, then look no further: welcome to TECH”*



## General Objectives

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- Qualify professionals for the practice of neuropsychology in education in the development of children and young people
- Learn how to carry out specific programs to improve school performance
- Access the forms and processes of research in neuropsychology in the school environment
- Increase the capacity for work and autonomous resolution of learning processes
- Study the attention to diversity from the neuropsychological approach
- Learn about the different ways to implement enrichment systems for learning methodologies in the classroom, especially aimed at diverse students
- Analyze and integrate the knowledge necessary to foster student's school and social development





## Specific Objectives

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- Develop efficient intervention programs for students with dyscalculia, dyslexia and hyperactivity

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*Make the most of this opportunity and take the step to get up to date on the latest developments in Dyslexia, Dyscalculia and Hyperactivity”*

03

# Course Management

For our Postgraduate Certificate to be of the highest quality, we are proud to work with a teaching staff of the highest level, chosen for their proven track record in the field of education. Professionals from different areas and fields of expertise that make up a complete, multidisciplinary team. A unique opportunity to learn from the best.





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*Our professors are professionals with vast experience and they bring their experience and teaching skills to offer you a stimulating and creative program”*

## Management



### Ms. Sánchez Padrón, Nuria Ester

- ◆ Degree in Psychology, University of La Laguna
- ◆ Master's Degree in General Health Psychology, La Rioja University
- ◆ Training in Emergency Psychological Care
- ◆ Training in Psychological Care in Penitentiary Institutions
- ◆ Teaching and training experience
- ◆ Experience in educational attention to children at risk



# 04

## Structure and Content

The contents of this program have been developed by the different teachers of this Postgraduate Certificate, with a clear purpose: to ensure that our students acquire each and every one of the skills necessary to become true experts in this field.

The content of this Postgraduate Certificate will allow you to learn all aspects of the different disciplines involved in this area: a very complete and well-structured program that will lead you to the highest standards of quality and success.





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*A quality program in which we provide you with the most up-to-date knowledge and work systems of current neuropsychology"*

## Module 1. Dyslexia, Dyscalculia and Hyperactivity

- 1.1. History of Learning Difficulties
  - 1.1.1. Introduction
  - 1.1.2. Definition of Learning Difficulties
  - 1.1.3. Historical Development
  - 1.1.4. Current Learning Difficulties
  - 1.1.5. Neuropsychology of Learning Difficulties
  - 1.1.6. Causes of Learning Difficulties
  - 1.1.7. Classification of Learning Difficulties
  - 1.1.8. Summary
  - 1.1.9. Bibliographical References
- 1.2. Conceptualization of Dyslexia
  - 1.2.1. Introduction
  - 1.2.2. Definition
  - 1.2.3. Neuropsychological Bases
  - 1.2.4. Features
  - 1.2.5. Subtypes
  - 1.2.6. Summary
  - 1.2.7. Bibliographical References
- 1.3. Neuropsychological Assessment of Dyslexia
  - 1.3.1. Introduction
  - 1.3.2. Diagnostic Criteria for Dyslexia
  - 1.3.3. How to Assess it
  - 1.3.4. Interview with the Tutor
  - 1.3.5. Reading and Writing
  - 1.3.6. Neuropsychological Assessment
  - 1.3.7. Assessment of Other Related Aspects
  - 1.3.8. Summary
  - 1.3.9. Bibliographical References
- 1.4. Neuropsychological Intervention of Dyslexia
  - 1.4.1. Introduction
  - 1.4.2. Variables Involved
  - 1.4.2. Neuropsychological Field
  - 1.4.3. Intervention Programs
  - 1.4.4. Summary
  - 1.4.5. Bibliographical References
- 1.5. Conceptualization of Dyscalculia
  - 1.5.1. Introduction
  - 1.5.2. Definition of Dyscalculia
  - 1.5.3. Features
  - 1.5.4. Neuropsychological Bases
  - 1.5.5. Summary
  - 1.5.6. Bibliographical References
- 1.6. Neuropsychological Assessment of Dyscalculia
  - 1.6.1. Introduction
  - 1.6.2. Assessment Objectives
  - 1.6.3. How to Assess
  - 1.6.4. Report
  - 1.6.5. Diagnosis
  - 1.6.6. Summary
  - 1.6.7. Bibliographical References
- 1.1. Neuropsychological Interventions of Dyscalculia
  - 1.7.1. Introduction
  - 1.7.2. Variables Involved in the Treatment
  - 1.7.3. Neuropsychological Rehabilitation
  - 1.7.4. Intervention in Dyscalculia
  - 1.7.5. Summary
  - 1.7.6. Bibliographical References

- 1.8. Conceptualization of ADHD
  - 1.8.1. Introduction
  - 1.8.2. Definition of ADHD
  - 1.8.3. Neuropsychological Bases
  - 1.8.4. Characteristics of Children with ADHD
  - 1.8.5. Subtypes
  - 1.8.6. Summary
  - 1.8.7. Bibliographical References
- 1.9. Neuropsychological Assessment of ADHD
  - 1.9.1. Introduction
  - 1.9.2. Assessment Objectives
  - 1.9.3. How to Assess
  - 1.9.4. Report
  - 1.9.5. Diagnosis
  - 1.9.6. Summary
  - 1.9.7. Bibliographical References
- 1.10. Neuropsychological Interventions of ADHD
  - 1.10.1. Introduction
  - 1.10.2. Neuropsychological Field
  - 1.10.3. Treatment of ADHD
  - 1.10.4. Other Therapies
  - 1.10.5. Intervention Programs
  - 1.10.6. Summary
  - 1.10.7. Bibliographical References
- 1.11. Comorbidity in Neurodevelopmental Disorders
  - 1.11.1. Introduction
  - 1.11.2. Neurodevelopment Disorders
  - 1.11.3. Dyslexia and Dyscalculia
  - 1.11.4. Dyslexia and ADHD
  - 1.11.5. Dyscalculia and ADHD
  - 1.11.6. Summary
  - 1.11.7. Bibliographic References
- 1.12. Neurotechnology
  - 1.12.1. Introduction
  - 1.12.2. Applied to Dyslexia
  - 1.12.3. Applied to Dyscalculia
  - 1.12.4. Applied to ADHD
  - 1.12.5. Summary
  - 1.12.6. Bibliographical References
- 1.13. Guidance for Parents and Teachers
  - 1.13.1. Introduction
  - 1.13.2. Guidance on Dyslexia
  - 1.13.3. Guidance on Dyscalculia
  - 1.13.4. Guidance on ADHD
  - 1.13.5. Summary
  - 1.13.6. Bibliographical References



*A complete program that will take you through the knowledge you need to compete among the best"*

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.





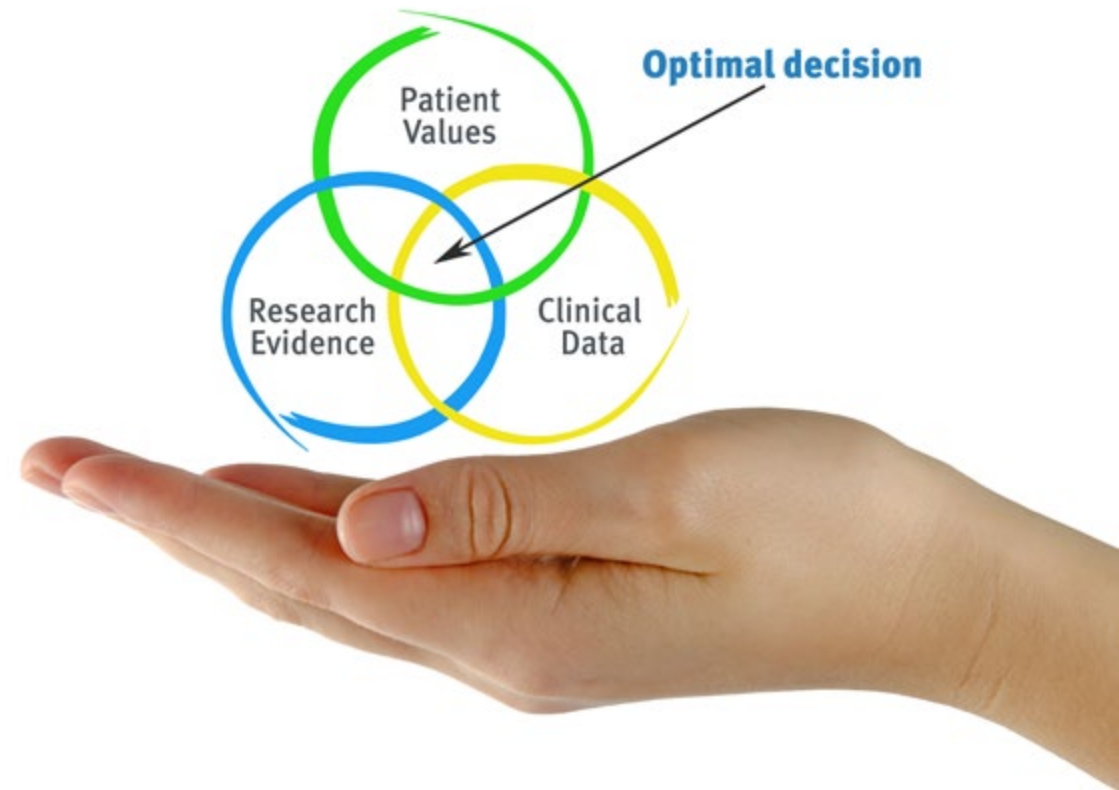
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## 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.*

“

*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

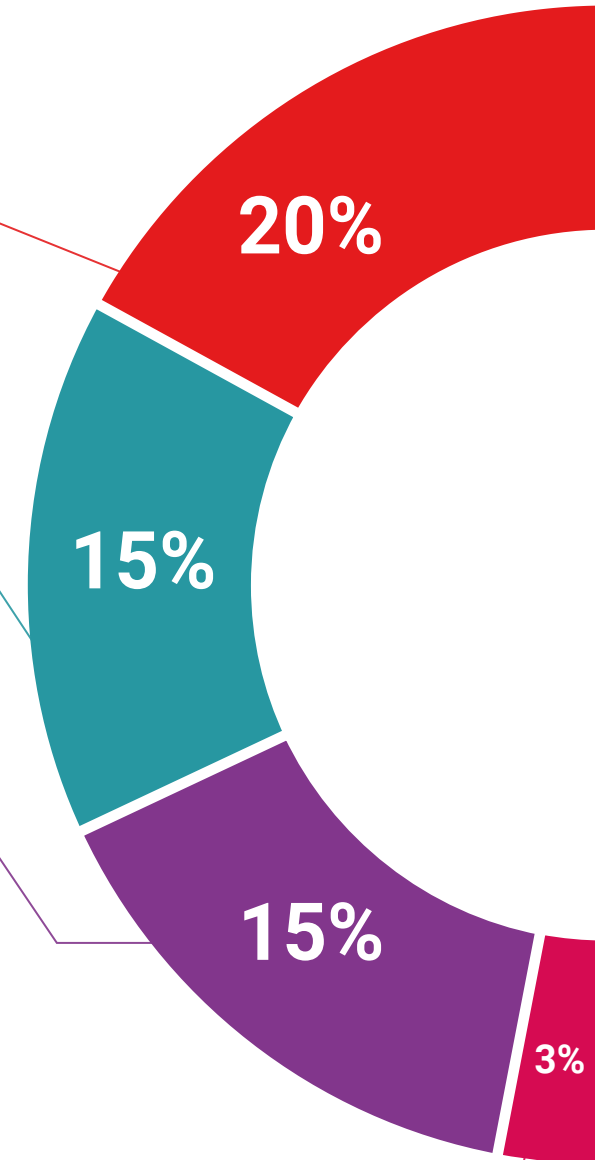
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

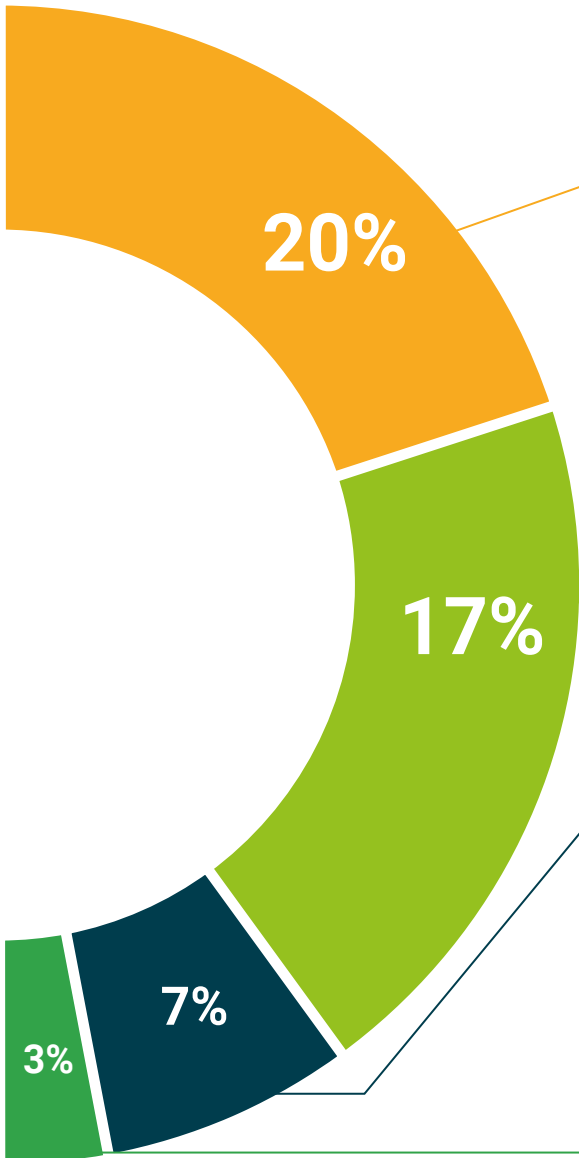
This exclusive multimedia content presentation training Exclusive system was awarded by Microsoft as a "European Success Story".



### 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 Dyslexia, Dyscalculia and Hyperactivity 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 Dyslexia, Dyscalculia and Hyperactivity** 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 Dyslexia, Dyscalculia and Hyperactivity**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development language  
virtual classroom



## Postgraduate Certificate Dyslexia, Dyscalculia and Hyperactivity

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# Postgraduate Certificate

## Dyslexia, Dyscalculia and Hyperactivity

