

# Postgraduate Certificate

## The Visual System and Learning to Write



## Postgraduate Certificate

### The Visual System and Learning to Write

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

Website: [www.techtute.com/in/psychology/postgraduate-certificate/visual-system-learning-write](http://www.techtute.com/in/psychology/postgraduate-certificate/visual-system-learning-write)

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# 01

# Introduction

Poor handwriting, poor linearity in assignments and spelling mistakes could all be consequences of a visual deficit on the part of the child or adolescent. This can significantly affect their learning, influencing their academic development and pedagogical maturity. Unfortunately, this is something that happens frequently in schools, which refer their students to psychologists or pedagogues in order to help them get back on track without knowing that what is happening to them is that they have a visual problem. Knowing this, and with the aim that psychology professionals have all the tools that allow them to treat such cases in an assertive manner, this 100% online degree, which will give them the keys to better manage learning difficulties in writing in children with visual system deficits.



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*With this course offered by TECH Technological University you will be able to assertively detect if it is a visual deficit that is affecting your patient's academic performance"*

The early diagnosis of a deficit in the visual system can have a significant influence on the correct pedagogical and academic development of a child. Sight problems, especially in infants, alter their laterality and visuospatial organization, which may affect their learning, preventing them, for example, from writing normally. They have bad handwriting, they twist easily when performing their tasks, they commit spelling mistakes, they are not able to paint without going out of the lines, etc. All these characteristics in a patient could be signs that he/she suffers from a deficit in his/her visual system.

In order for psychologists to be able to detect these cases quickly and act on the basis of the most modern and effective protocols, this Diploma in Visual System and Learning to Write has been created. TECH Technological University has developed this program taking into account the professional criteria of experts in this sector. This is why graduates will find in its syllabus an updated and complete content, from the basics of writing, to the different processes that influence learning and recommendations for action in each case.

It is a degree designed for psychology professionals to find, in a single program, all the tools to help them improve their knowledge of the visual system and its importance in the learning of writing. In addition, its convenient 100% online format will allow you to adapt your working day to the course of this academic experience, so that your professional improvement will be possible thanks to all the facilities you will find in this Diploma.

This **Postgraduate Certificate in The Visual System and Learning to Write** contains the most complete and up-to-date program on the market. The most important features include:

- ♦ Practical cases presented by experts in psychology applied to academics
- ♦ 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



*A Diploma designed by experts in psychology and vision with the objective of positively influencing the careers of professionals like you"*

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*Thanks to the thoroughness with which this Diploma has been developed, you will have the necessary confidence to successfully treat a patient with learning difficulties caused by a visual deficit"*

The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading 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 professionals must try to solve the different professional practice situations that arise during the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

*Including this title in your resume will give you a plus of professionalism and commitment, which will be highly valued by the parents of your patients.*

*Delve into the most effective visual hygiene standards in writing and treat your patients based on postural and environmental recommendations that will help them improve their academic performance.*



# 02 Objectives

The information that currently exists regarding visual impairment and its effect on learning to write is extensive and, at times, even contradictory. For this reason, for the elaboration of this Diploma, TECH Technological University has taken into account only data obtained from official and totally reliable sources, recommended by experts in psychopedagogy and vision. The objective of this degree is for graduates to improve their skills and competencies in only 150 hours, enabling them to offer a high quality consultation to their patients, which is only possible if they have the best and most updated content.



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*Deepen in the eye-hand coordination will help you to know the most innovative techniques that you can apply in your practice"*



## General Objectives

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- ♦ Update knowledge on the importance of the visual system in the classroom, with special emphasis on the appearance or presence of visual deficiencies or problems and future intervention, in order to increase the quality of professional praxis
- ♦ Introduce specialists in the wide world of visual problems in the psychologist's office, and to know the different contributions from the study of vision in school performance and potential intervention
- ♦ Know the tools used to detect visual problems and the different alternative interventions used, as well as curricular adaptation or adaptation of classroom materials
- ♦ Develop skills and abilities by encouraging continuous instruction and research





### Specific Objectives

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- ◆ Discover congenital visual impairment
- ◆ Learn about acquired visual impairment
- ◆ Establish the degree of vision
- ◆ Classify visual impairment by type
- ◆ Understand motor impairment associated with vision



*If you are looking for a degree that allows you to combine your working life with your academic growth, this University Course is the most suitable option and TECH Technological University is your best guarantee"*

# 03

## Course Management

This Diploma in Visual System and Learning to Write will be led by experts in psychology, pedagogy and vision, all of whom are practicing. They are professionals with extensive professional experience in their respective sectors, in teaching and research, who will provide graduates with all the tools at their disposal to ensure their academic improvement. Having this teaching team is another of TECH Technological University ways of demonstrating its commitment to students and their professional progression in psychology.



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*The teaching staff will be at your disposal to answer any questions you you may have during the course of the program”*

## Management



### Mr. Vallejo Salinas, Ignacio

- ♦ Optometrist and Director of Mejor Visión Center
- ♦ Director of Mejor Visión Center
- ♦ Collaborator of the NGO Abre sus Ojos
- ♦ Co-founder and former president of the International Society of Developmental Optometry
- ♦ Master's Degree of Science in Clinical Optometry from the Pennsylvania College of Optometry, USA
- ♦ Master's Degree in Clinical Optometry from the European University of Madrid
- ♦ Diploma in Optics and Optometry from the University of Granada
- ♦ Diploma in Optics from the Complutense University of Madrid

## Professors

### Ms. Vallejo Sicilia, Lara

- ♦ Psychologist at Mejor Visión Center
- ♦ Visual Therapist in health institutions of the Community of Madrid
- ♦ Master's Degree in Clinical and Health Psychology by Camilo José Cela University
- ♦ Degree in Psychology from the Camilo José Cela University



04

# Structure and Content

The development of this Diploma in Visual System and Learning to Write has been carried out taking into account the criteria of the teaching team and the guidelines set by the pedagogical methodology based on Relearning. The aim is to offer a modern, dynamic and practical degree, which allows for a reduction in the teaching load of the syllabus without losing quality in its content. This is only possible thanks to the thoroughness with which this program has been designed and the additional material that graduates will find in the virtual classroom.



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*You will have real clinical cases of patients with visual impairment and reading difficulties in which you will be able to apply what you have learned throughout the course and draw your own conclusions”*

## Module 1. The Visual System and Writing

- 1.1. Reading Foundations
  - 1.1.1. The Writing Process Classification and Symptomatology
  - 1.1.2. Development Associated to Writing
- 1.2. Planning Process
  - 1.2.1. Assessment
  - 1.2.2. Intervention
- 1.3. Syntactic Processes
  - 1.3.1. Assessment
  - 1.3.2. Intervention
- 1.4. Lexical Processes
  - 1.4.1. Assessment
  - 1.4.2. Intervention
- 1.5. Motor Processes
  - 1.5.1. Assessment
  - 1.5.2. Intervention
- 1.6. Visual Skills Required for Writing I: Vision
  - 1.6.1. Oculomotricity, Accommodation, Binocularity
  - 1.6.2. Hand-Eye Coordination
- 1.7. Visual Skills Required for Writing II: Perception
  - 1.7.1. Laterality Visuospatial – Organization
  - 1.7.2. Discrimination, Visual and Auditory Memory
- 1.8. Primitive Reflexes and Writing
  - 1.8.1. Palmar Reflex
  - 1.8.2. Asymmetric Tonic Reflex
- 1.9. Neuropsychological function writing 1: Detection and evaluation
- 1.10. Neuropsychological Function in Reading II: Intervention





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*If you know you need a career boost, but can't find a degree that fits your academic and professional needs, look no further. In this course you will find the answer to all your questions"*

# 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.



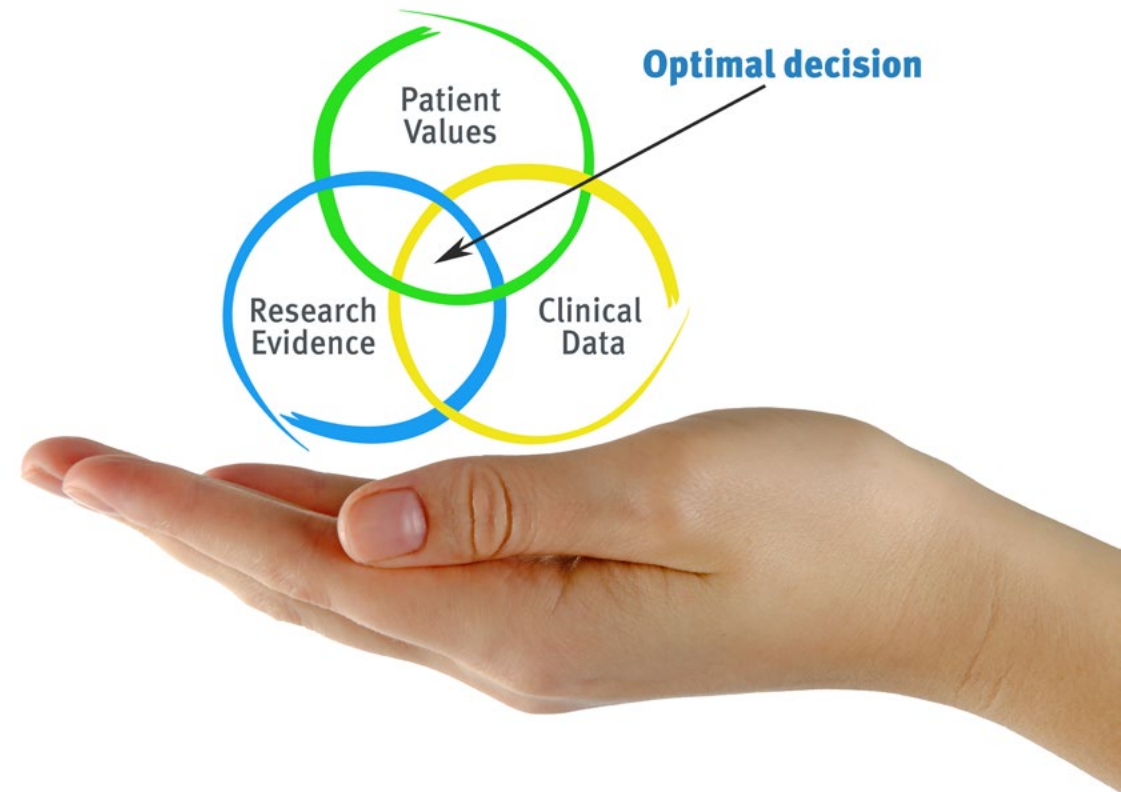
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## 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

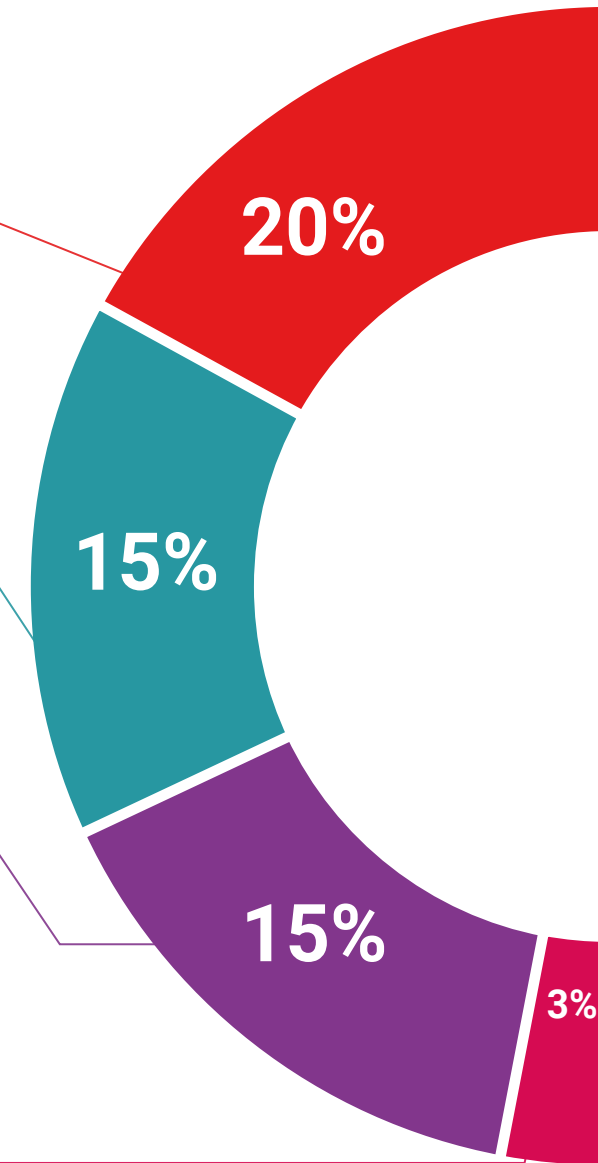
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

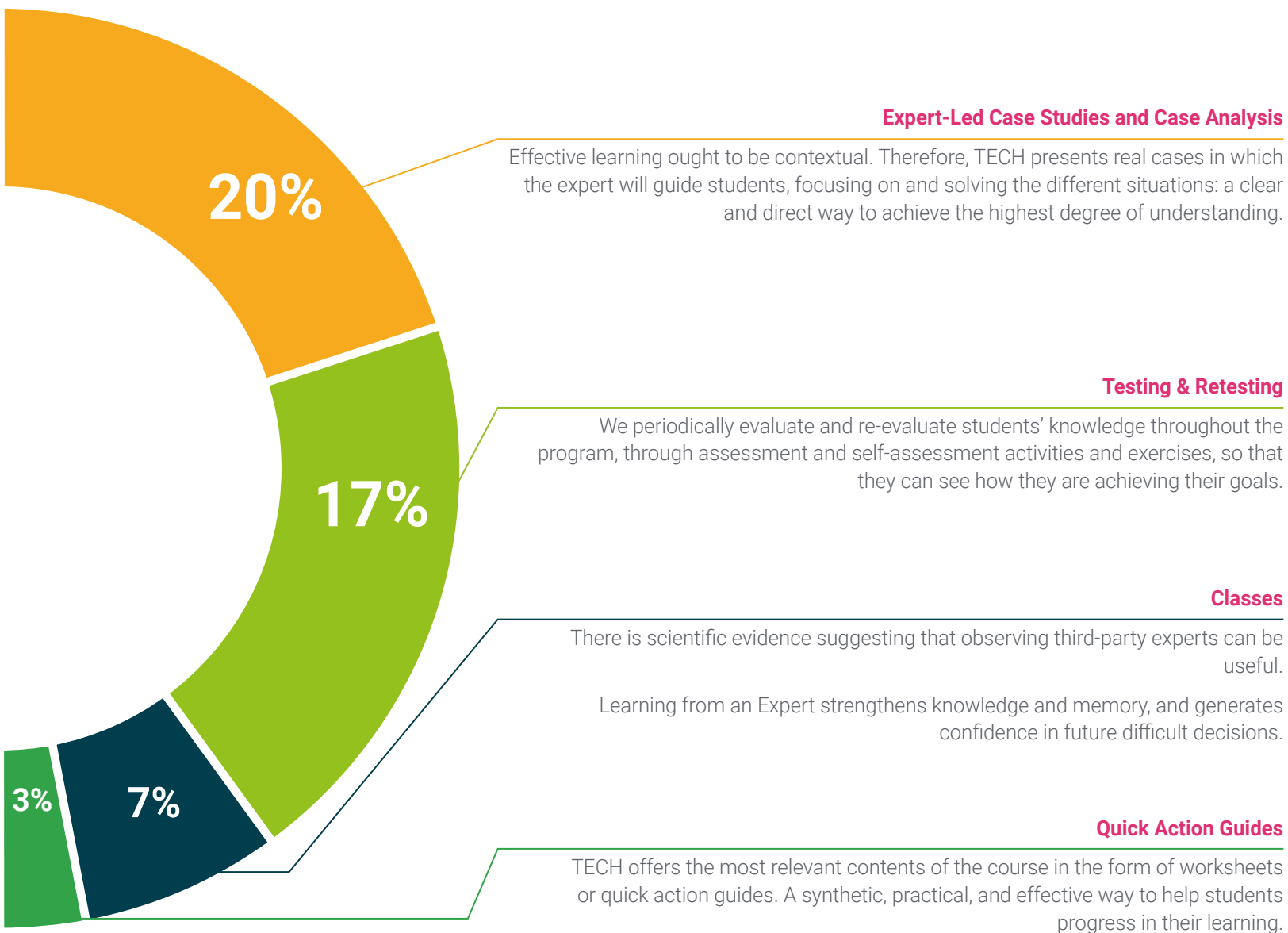
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### 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.





06

# Certificate

The Postgraduate Certificate in The Visual System and Learning to Write 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 The Visual System and Learning to Write** contains the most complete and up-to-date program 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 The Visual System and Learning to Write**  
Official N° of Hours: **150 h.**





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Learning to Write

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- » Dedication: 16h/week
- » Schedule: at your own pace
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