

Postgraduate Certificate

Introduction to Neuropsychology





Postgraduate Certificate

Introduction to Neuropsychology

- » 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-diploma/introduction-neuropsychology

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01

Introduction

Understanding the connection between the brain and human behavior remains a major challenge for specialists even today. However, these studies are essential for identifying various mental disorders and the neural foundations affected by them. Educators may encounter students with functional and cognitive diversity throughout their professional careers, which is why this knowledge can prove highly valuable in their daily practice. This 100% online program has been designed to support professionals in advancing more efficiently, thanks to its rich multimedia content.



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Thanks to this qualification you will be able to better understand the connection between the brain and human behavior”

In every teaching process, educators play a significant role in shaping the brain development of their students—especially during early childhood, when neural plasticity is at its peak. Although this influence often goes unnoticed, having a solid grasp of it is key to identifying students with learning difficulties or functional diversity. This Postgraduate Certificate provides educators with essential knowledge in neuropsychology, guided by a teaching team with extensive experience in the field.

Offered exclusively in an online format, the program allows students to explore the origins of neuropsychology, become familiar with leading researchers and scientific studies, and delve into key concepts of cellular and molecular neurobiology. All of this is made possible through rich multimedia content developed using the latest educational technology, including an in-depth look at the advantages and limitations of neuroimaging techniques. In addition, TECH's unique Relearning method—applied across all its academic programs—fosters more natural and progressive knowledge acquisition.

TECH therefore offers university-level training that supports your professional growth through a flexible learning model. All students need is an electronic device to connect to the virtual platform and access the complete syllabus of this Postgraduate Certificate —available from day one. This structure enables professionals to tailor their study schedule to their personal needs and responsibilities, making it easy to balance their academic, professional, and personal lives. A university qualification that not only enhances your expertise, but also contributes meaningfully to your career development.

This **Postgraduate Certificate Introduction to Neuropsychology** contains the most complete and up-to-date educational program on the market. The most important features include:

- ♦ The development of practical cases presented by experts in Psychology and Immunology
- ♦ The graphic, schematic, and practical content with which they are created, provide scientific and 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
- ♦ The availability of access to the contents from any fixed or portable device with an Internet connection



Interactive diagrams, video summaries, and specialized readings make up the didactic materials available to you in this Postgraduate Certificate"

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Thinking about diving into neuropsychology? TECH offers you a Postgraduate Certificate with 180 teaching hours so you can acquire the most solid knowledge in this field”

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 students must try to solve the different professional practice situations that arise throughout the program. For this purpose, students will be assisted by an innovative, interactive video system created by renowned and experienced experts.

Grow professionally with a Postgraduate Certificate that will show you the advantages and disadvantages of using neuroimaging techniques. Enroll now.

A Postgraduate Certificate with no in-person attendance and no fixed schedules. An education that adapts to you.



02 Objectives

The education professional will acquire advanced knowledge of neuropsychology throughout this Postgraduate Certificate, starting from the earliest scientific studies. This knowledge will enable professional growth and, upon completing the program, provide mastery of the foundations of neurobiology and nervous system development. A qualification accompanied by expert faculty who will guide you to achieve your goals.



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A Postgraduate Certificate with 180 instructional hours designed to help you gain comprehensive understanding of nervous system development”



General Objectives

- ♦ Develop in the graduate an exhaustive knowledge of Neuropsychology, from its origin to the most recent updates
- ♦ Get to know in detail the latest advances related to the tools and treatments in Psychology that are having the best results

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This program will allow you to delve into the foundational studies of neuropsychology”





Specific Objectives

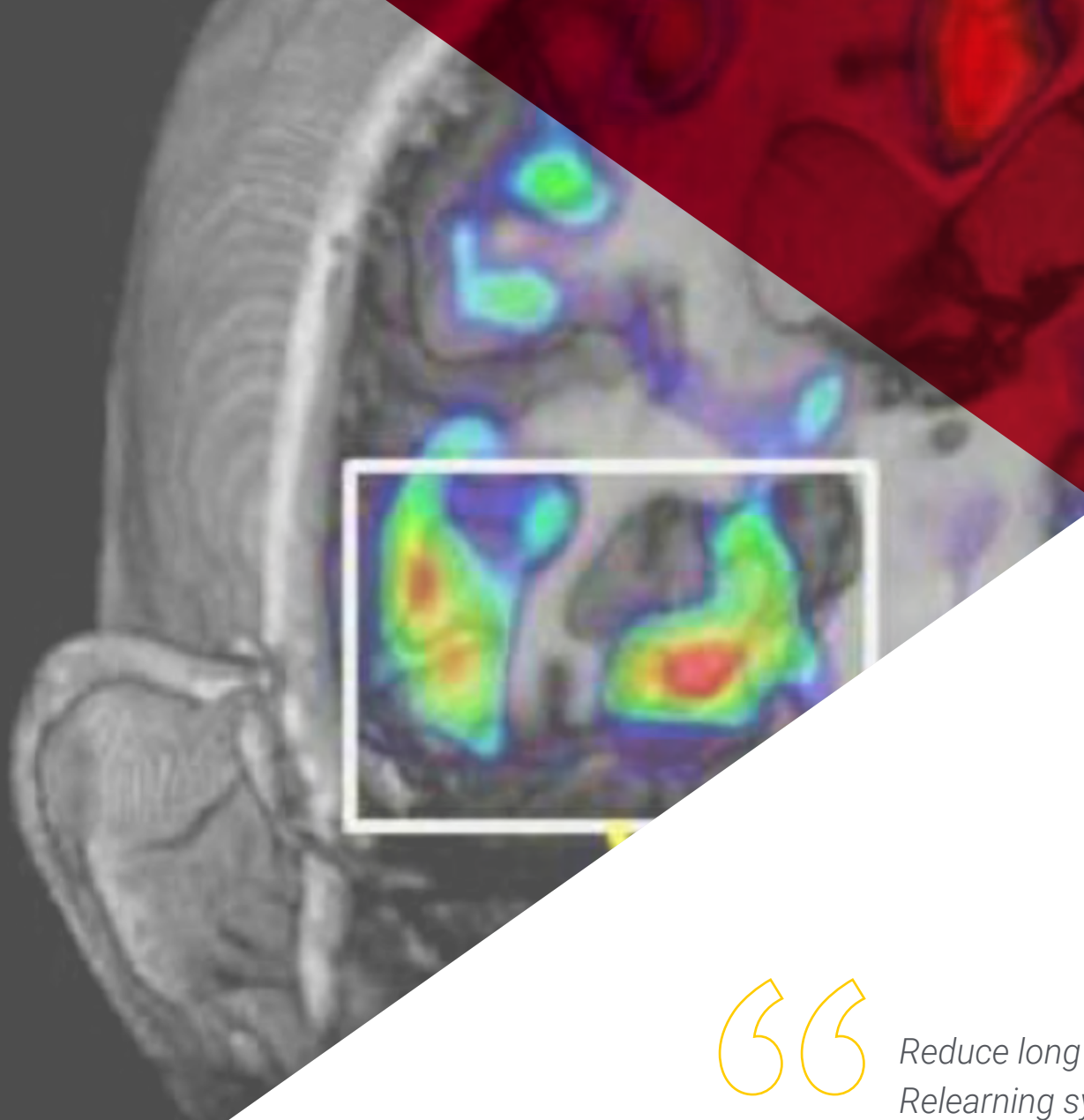
- ♦ Learn the basic concepts of neuropsychology
- ♦ Know the methods of evaluation and the fundamentals of research in neuropsychology
- ♦ Explore the development of the nervous system and its relationship to neurological disorders
- ♦ Understand the structure and function of the nervous system at the cellular and molecular levels

03

Structure and Content

The specialized teaching team behind this postgraduate diploma has developed a multidisciplinary syllabus composed of innovative learning materials (video summaries, detailed videos, interactive summaries). This approach enables education professionals to acquire a much more dynamic and visual understanding of neuropsychology. The program initially lays the foundation of this discipline and then, through theoretical and practical content, delves into systems, cellular, and molecular neurobiology. Upon completing the six-week program, students will gain a deeper understanding of brain function across the various stages of human development.





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*Reduce long study hours with the
Relearning system employed by
TECH in its programs”*

Module 1. Introduction to Neuropsychology

- 1.1. Introduction to Neuropsychology
 - 1.1.1. Basis and Origins of Neuropsychology
 - 1.1.2. First Approaches to the Discipline
- 1.2. First Approaches to the Neuropsychology
 - 1.2.1. First Works Within Neuropsychology
 - 1.2.2. Most Relevant Authors and Works
- 1.3. Ontogeny and Phylogeny of the CNS
 - 1.3.1. Concept of Ontogeny and Phylogeny
 - 1.3.2. Ontogeny and Phylogeny Within the CNS
- 1.4. Cellular and Molecular Neurobiology
 - 1.4.1. Introduction to Neurobiology
 - 1.4.2. Cellular and Molecular Neurobiology
- 1.5. Neurobiology of Systems
 - 1.5.1. Concepts of Systems
 - 1.5.2. Structures and Development
- 1.6. Embryology of the Nervous System
 - 1.6.1. Principles of Embryology of the Nervous System
 - 1.6.2. Phases of CNS Embryology
- 1.7. Introduction to Structural Anatomy CNS
 - 1.7.1. Introduction to Structural Anatomy
 - 1.7.2. Structural Development
- 1.8. Introduction to Functional Anatomy
 - 1.8.1. What is Function Anatomy?
 - 1.8.2. Most Important Functions
- 1.9. Neuroimaging Techniques
 - 1.9.1. Concept of Neuroimaging
 - 1.9.2. Most Commonly Used Techniques
 - 1.9.3. Advantages and Disadvantages





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A university-level education that will introduce you to functional anatomy in a dynamic way thanks to its multimedia content”

04

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



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TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

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*At TECH you will NOT have live classes
(which you might not be able to attend)”*





The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

“*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want*”

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.



A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
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.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.



As such, the best educational materials, thoroughly prepared, will be available in this program:



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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



Interactive Summaries

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

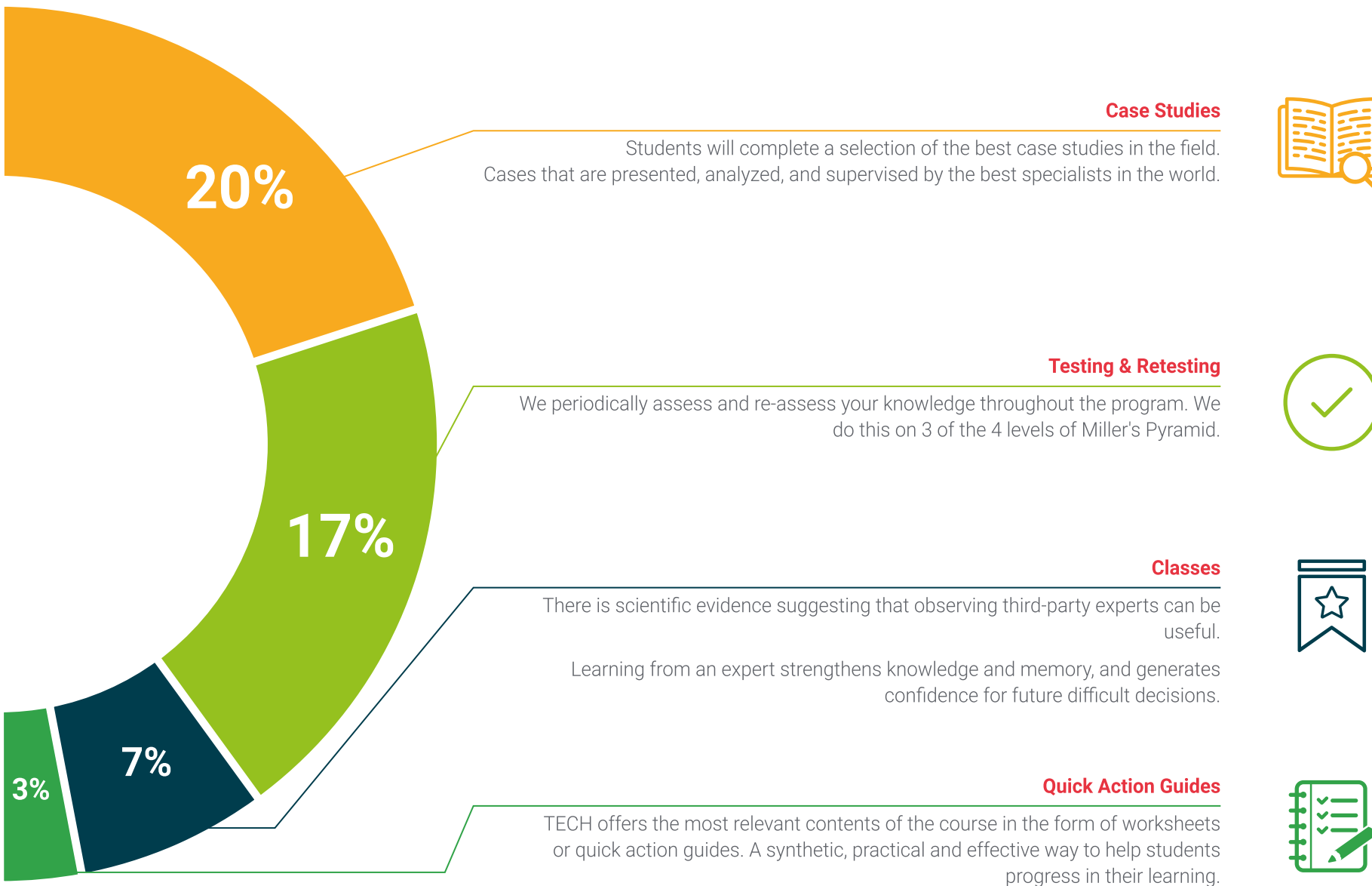
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





05 Certificate

The Postgraduate Certificate in Introduction to Neuropsychology guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the 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 private qualification will allow you to obtain a diploma for the **Postgraduate Certificate Introduction to Neuropsychology** 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** private qualification, 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 Introduction to Neuropsychology**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





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