Postgraduate Certificate
Applied Neurosciences

tech global university

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Postgraduate Certificate
Applied Neurosciences

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

Website: www.techtitute.com/us/psychology/postgraduate-certificate/applied-neurosciences

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01

Introduction to the Program

Neurotechnology is an interdisciplinary field that merges neuroscience and technology, providing psychology professionals with advanced tools to explore both the brain and the nervous system in detail. For example, Functional Magnetic Resonance Imaging (fMRI) allows specialists to observe brain activity in real-time, with the aim of making more accurate diagnoses of mental disorders, including depression, anxiety, and dysthymia. Thanks to this, psychologists use this information to develop more precise and personalized therapeutic interventions, helping patients achieve mental well-being. In this context, TECH offers an innovative online university degree program that focuses on the application of neuroscience across various fields.

Thanks to this fully online Postgraduate Certificate, you will adopt an interdisciplinary approach that will allow you to understand the complexities of human behavior from multiple perspectives"

Advancements in the field of Applied Neurosciences provide psychologists with a deeper understanding of the biological foundations of human behavior and mental processes. As a result, psychologists now have access to a wide variety of cutting-edge procedures that optimize the quality of life for their patients. One example of this is Neurorehabilitation techniques, which allow professionals to help their patients recover cognitive and motor functions lost due to brain injuries or neurological diseases. However, given the rapid pace of advancements in this field, psychology professionals must stay up to date with the latest discoveries in neuroscience to apply them effectively in their clinical practice.

In response, TECH has developed a pioneering program in Applied Neurosciences that will allow professionals to learn about the latest innovations in emerging areas to improve health, well-being, and human performance. The academic itinerary will delve into the boundaries of neuroscience research, enabling psychologists to recognize when study results are conclusive and when they can be applied to patient treatment. Furthermore, the syllabus will provide psychologists with cutting-edge Neuromarketing techniques to understand how emotions influence audience behavior. Additionally, a prestigious International Guest Director will conduct a comprehensive Masterclass that will bring graduates closer to the realities of a profession filled with challenges.

This university program applies the revolutionary Relearning teaching system, which promotes the assimilation of complex concepts through the progressive and natural reiteration of those concepts. The program also utilizes materials in various formats, such as infographics and explanatory videos. All this in a convenient 100% online modality, which allows each person to adjust their schedule to their responsibilities.

This **Postgraduate Certificate in Applied Neurosciences** contains the most complete and up-to-date educational program on the market. Its most notable features are:

- The development of practical cases presented by experts in Neurosciences
- The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable 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

This program includes a Masterclass led by an International Guest Director, who will present the latest innovations in the various fields of Applied Neurosciences.

You will delve into the fundamentals of Neurocriminology to understand how the nervous system influences an individual's propensity to engage in criminal behavior"

You will deepen your understanding of the boundaries of neuroscience research and stand out by maintaining high ethical standards in your daily clinical practice.

A curriculum tailored to your needs and designed under the most disruptive and effective pedagogical methodology: Relearning.

The program's teaching staff includes professionals from the sector who contribute their work experience to this specializing 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 course. For this purpose, students will be assisted by an innovative interactive video system created by renowned experts.

02

Objectives

Through this training, this Postgraduate Certificate program will provide psychology professionals with a solid understanding of the fundamental principles of Applied Neurosciences. This will enable them to incorporate techniques from various fields, including Neurobranding, Neurotechnology, and Neurocriminology, among others, into their practice. Additionally, specialists will develop skills in study design, data collection, and analysis in the context of research in this field. As a result, professionals will be highly qualified to collaborate actively with interdisciplinary teams in areas such as Advertising, Medicine, or Engineering.

You will achieve your most ambitious professional goals thanks to the distinctive approach of this program, which will include a wide range of multimedia resources to help you solidify your knowledge in a dynamic way"

General Objectives

- Update knowledge on Neurosciences in their different fields of application, from the clinical, educational or social area
- Increase the quality of the teaching professional's practice in their performance
- Know the different disciplines involved in the study of the brain in relation to human behavior and its possibilities
- Learn to use the tools used in Neuroscience research and practice
- Develop skills and abilities in emotional development in the classroom
- Direct the student towards continuing training and research

Specific Objectives

- Delve into Neurobranding
- Understand the concept of Neuroarchitecture and its functioning
- Deepen your knowledge of Neurotechnology
- Explore the boundaries of research in Neurosciences
- Investigate the relationship between the brain and taste: Neurogastronomy
- Learn more about Neurocriminology and its implications in psychopathic personalities

A curriculum designed by specialists with high-quality content is key to ensuring your skills are successfully enhanced"

03

Course Management

TECH is aware of the significant impact that experts have in facilitating student learning and providing effective feedback, which is why it conducts a rigorous selection process to form its teaching staff. For the design and delivery of this Postgraduate Certificate, TECH has gathered true leaders in the field of Neurosciences. These professionals stand out for their extensive professional experience, having worked at prestigious institutions. As such, they bring their in-depth knowledge into the academic content, ensuring that students benefit from an education of exceptional quality and full applicability.

The instructors of this Postgraduate Certificate will provide you with the most innovative techniques to enhance your personal brand and capture the public's interest"

International Guest Director

Dr. Malek Bajbouj is a **Psychiatrist and Neuroscientist**, specialized in the areas of **Global Health, Mental Health** and **Affective Sciences**. He also has experience as a **Sleep Physician** and **Social, Affective** and **Cognitive Neuroscientist**. Together with an interdisciplinary team, his work has focused on **research** on **stress**, **affect** and **emotions**. In particular, to carry out these studies, some of his main work has focused on **cell culture**, **imaging** and **brain stimulation**, as well as **humanitarian aid**..

Most of his professional experience has been as **Medical Director** and **Head of the Center for Affective Neuroscience** at the Charité Universitätsmedizin Berlin. In addition, his main **research** focus in the field of **Global Mental Health** has been the development of tailored, low-threshold **preventive** and **therapeutic interventions** against stress and trauma-related disorders. To this end, he has made use of **digital tools** and **clinical trials**, conducting interventions focused on **reverse-innovation electrophysiological** and **neuroimaging approaches** to improve patient phenotyping.

Likewise, Dr. Malek Bajbouj's firm commitment to **Mental Health** worldwide has led him to develop a large part of his professional activity in countries in the **Middle East, Far East** and **Ukraine**. In this sense, he has participated in various **international conferences** such as the **Ukrainian-German Conference on Mental Health**, **Psychosocial Support** and **Rehabilitation**. He has also written more than **175 book chapters** and has an extensive list of **scientific publications** in which he has investigated topics such as **Emotional Neuroscience, Affective Disorders** and **Global Mental Health**.

In fact, his contributions in **Psychiatry** and **Neuroscience** have been awarded several times. One of them was in 2014, when he was awarded the **Else Kröner-Fresenius Prize**, recognizing his outstanding **scientific research**. And it is that his tireless work to strengthen the **mental health** of people around the world has positioned him as one of the best professionals in his field.

Dr. Bajbouj, Malek

- Medical Director of the Center for Affective Neuroscience at Charité Universitätsmedizin, Berlin, Germany
- Visiting Research Fellow at the Department of Psychiatry, Columbia University and the New York State Psychiatric Institute
- Physician and Assistant Researcher at the Free University of Berlin
- Specialist in Sleep Medicine
- Specialist in Psychiatry and Psychotherapy
- Master of Business Administration from Steinbeis-Hochschule University
- Graduate in Medicine from the Johannes Gutenberg University
- Member of: Research Group Languages of Emotion at the Freie Universität Berlin

Thanks to TECH, you will be able to learn with the best professionals in the world"

Management

Dr. De la Serna, Juan Moisés

- Independent Psychologist and expert writer in Neurosciences
- Writer specialized in Psychology and Neurosciences
- Author of the Open Chair of Psychology and Neurosciences
- Scientific Disseminator
- Doctorate in Psychology
- Bachelor's Degree in Psychology. University of Seville
- Master's Degree in Neurosciences and Behavioral Biology. Pablo de Olavide University, Seville
- Expert in Teaching Methodology. La Salle University
- University Specialist in Clinical Hypnosis, Hypnotherapy. National University of Distance Education - UNED.
- Diploma in Social Graduate, Human Resources Management, Personnel Administration. University of Seville
- Expert in Project Management, Administration and Business Management. Federation of Services U.G.T
- Certified "Trainer of Trainers" Official College of Psychologists of Andalusia

Ms. Jiménez Romero, Yolanda

- Pedagogical Advisor and External Educational Collaborator
- Academic Coordinator of Online University Campus
- Territorial Director of the Extremadura-Castile La Mancha Institute of High Abilities
- Creation of INTEF Educational Contents in the Ministry of Education and Science
- Degree in Primary Education with a specialization in English
- Psychopedagogue by the International University of Valencia
- Master's Degree in Neuropsychology of High Abilities
- Master's Degree in Emotional Intelligence Specialist in NLP Practitioner

Faculty

Ms. Pellicer Royo, Irene

- Expert in Emotional Education at the Jesuitas-Caspe School, Barcelona
- Master's Degree in Medical Sciences Applied to Physical Activity and Sport by the University of Barcelona
- Master's Degree in Emotional Education and Well-being from the University of Barcelona
- Bachelor's Degree in Physical Activity and Sport Sciences at the University of Lérida

04

Structure and Content

Through this university qualification, psychologists will gain a holistic understanding of the structure and functioning of the human brain. The curriculum will analyze various aspects of Applied Neurosciences, with Neurobranding standing out as a key area. Graduates will understand how the human brain processes information related to a brand and will be able to design more effective marketing strategies. In this regard, the syllabus will delve into the importance of emerging technologies (such as Augmented Reality) to better understand brain function and apply this understanding to various fields, including Medicine and Scientific Research.

You will incorporate advanced tools into your practice to examine the cognitive functions of individuals, leading to more comprehensive and accurate assessments"

Module 1. Other Branches of Applied Neurosciences

1.1. Neurobranding
- 1.1.1. Personal Brand and Personal Style in the Brain
- 1.1.2. Enhancing the Brain Brand with Neuroscience Techniques

1.2. Neuroarchitecture
- 1.2.1. Awe and Admiration in Neurosciences
- 1.2.2. Functionality and Environmental Development in Neurosciences

1.3. Neurotechnology
- 1.3.1. Use of Technologies in Neurosciences
- 1.3.2. Neuro-Implants

1.4. Neuroethics
- 1.4.1. The Boundaries of Neuroscience Research
- 1.4.2. The Dangers of Neurosciences

1.5. Neurospirituality
- 1.5.1. The Neuronal Center of Faith
- 1.5.2. The Neuronal Center of Spirituality

1.6. Neurofashion
- 1.6.1. Fashion and the Brain
- 1.6.2. Style and Taste at the Brain Level

1.7. Neurogastronomy
- 1.7.1. Taste and the Brain
- 1.7.2. Improving Brain Gastronomy

1.8. Psycho-Neuro-Immunoendocrinology
- 1.8.1. Emotions and the Brain
- 1.8.2. Oxidative Stress and the Brain

1.9. Neurocriminology
- 1.9.1. Psychopathic Personality
- 1.9.2. Neuronal Disorganized Behaviors

1.10. Neuroculture
- 1.10.1. Culture and the Brain
- 1.10.2. Society and the Brain

You will be able to download all the contents of this program, such as specialized readings and multimedia materials, even after completing it" Enroll now!"

05

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.

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.

"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.

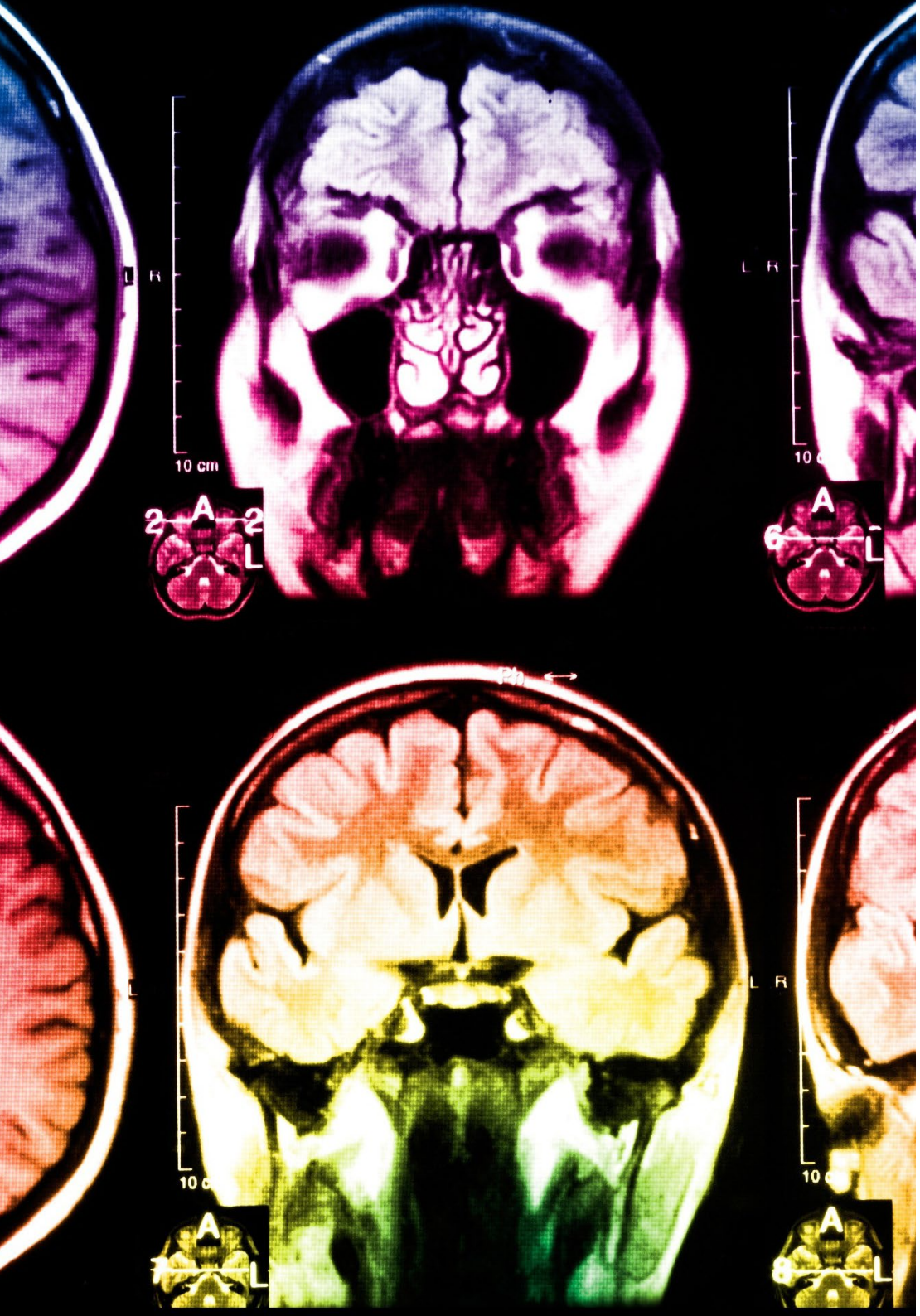
In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

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.

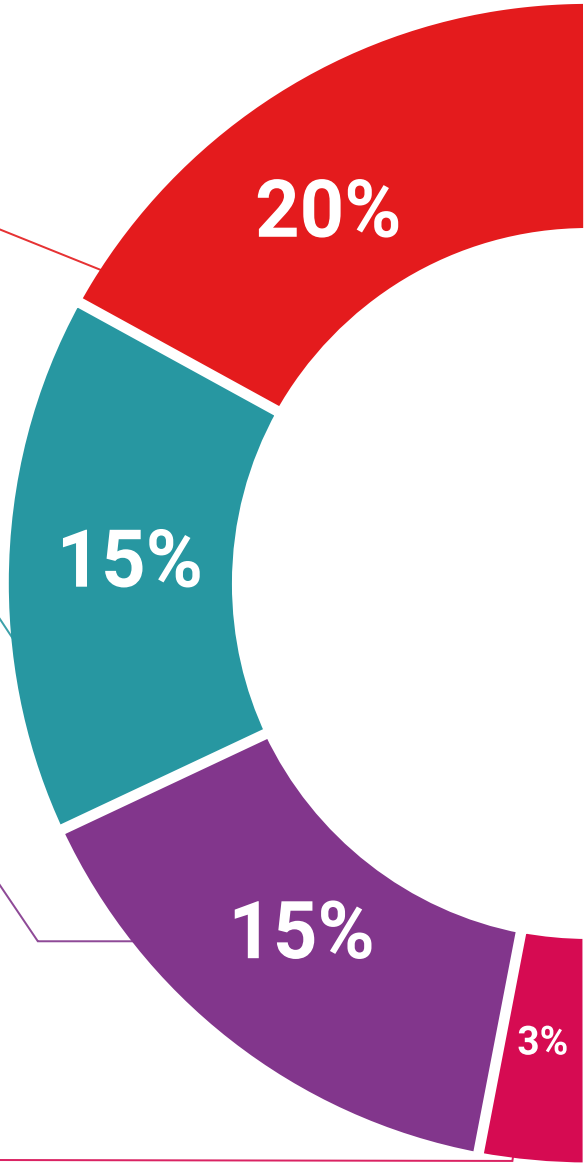
Interactive Summaries

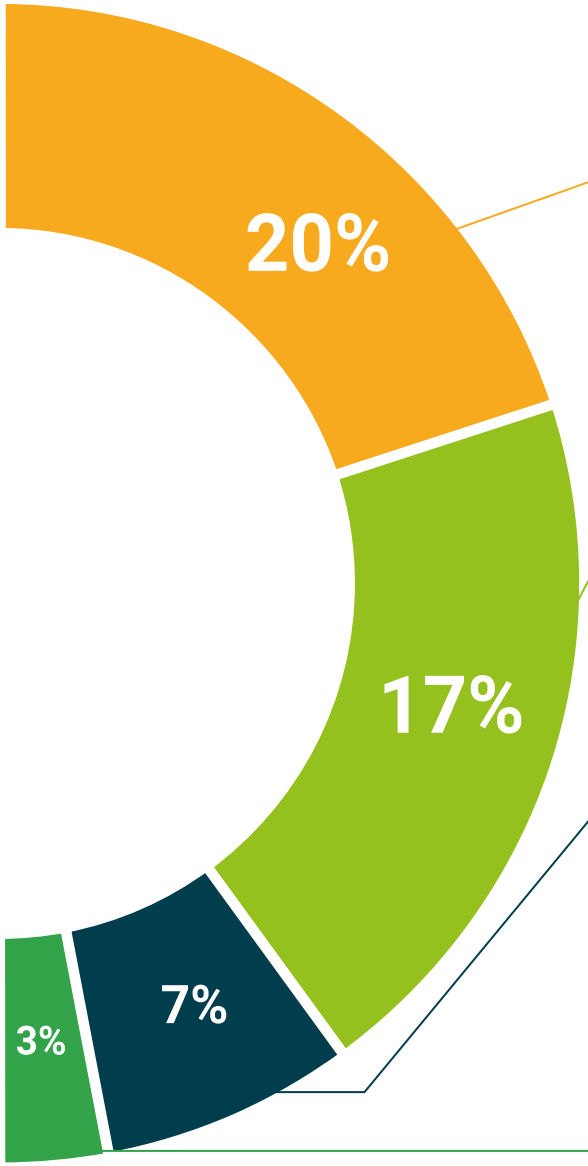
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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.





Case Studies

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.

Testing & Retesting

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.

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 for 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 Applied Neurosciences 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.

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 in Applied Neurosciences** 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 private qualification from **TECH Global University** is a European continuing education and professional development program that guarantees the acquisition of competencies in its area of expertise, providing significant curricular value to the student who successfully completes the program.

Title: **Postgraduate Certificate in Applied Neurosciences**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**


tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Certificate in Applied Neurosciences

This is a private qualification of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

*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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