Postgraduate Certificate

3D Modeling with 3DS Max

tech technological university

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Postgraduate Certificate

3D Modeling with 3DS Max

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

Website: **www.techtitute.com/us/design/postgraduate-certificate/3d-modeling-3ds-max**

Index

01

Introduction

One of the fundamental aspects within the field of 3D design is the texturing process, which is based, through the creation of layers, on generating a result as realistic as possible of the model being developed. Normally in this field that requires skills and abilities on the part of design professionals and a well-established knowledge from the base are the key to success. Therefore, this program designed to introduce the user to 3D Modeling with 3DS Max, provides the necessary notions to enter the exciting world of textures in three-dimensional modeling.

Do not wait any longer and enter the exciting world of textures with this specialized program in 3D Modeling with 3DS Max"

This Postgraduate Certificate in 3D Modeling with 3DS Max, developed by TECH Global University, is absolutely designed to be able to combine the study with daily life, because its online format allows users to advance, during the 6 weeks that it lasts, at their own speed and pace, plus it can be accessed from anywhere and at any time to its content.

In this way, this program will provide an in-depth knowledge of the functionality of the 3DS Max program, which therefore implies a deeper understanding of the program interface and its controls. Likewise, it is studied how to transform the geometry to get the way the designer wants in the fastest and most efficient way.

During the course of this program you will learn all the effects of the modifiers, as well as how to combine them, to achieve a greater effect. There is also a specific section for understanding Boolean operations and knowing how to use them for the benefit of modeling.

Finally, a skill that will be especially useful and interesting is how to use 2D elements to combine them with other 3D elements to create shapes more efficiently. A complete and programmed Postgraduate Certificate for students to understand this leading program in three-dimensional design.

This **Postgraduate Certificate in 3D Modeling with 3DS Max** contains the most complete and up-to-date program on the market. The most important features include:

- The development of case studies presented by experts in 3D Modeling with 3DS Max
- 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

Give a twist to your career as a designer and dive into 3D modeling in textures through this Postgraduate Certificate"

In a practical and easy way, get up to date on the latest in 3D Modeling with 3DS Max with our Postgraduate Certificate designed to combine learning with your routine"

A complete Postgraduate Certificate and programmed so that you can be updated in 3D Modeling with 3DS Max.

If you want to know in depth the functionality of 3DS Max program, this is your Postgraduate Certificate.

The program's teaching staff includes professionals from the 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 are presented to them throughout the course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

02

Objectives

This Postgraduate Certificate in 3D Modeling with 3DS Max has the clear objective of introducing the user to three-dimensional modeling with this leading 3D design program. Thanks to some well-defined items, the necessary skills and knowledge are acquired to handle with ease its functionalities, the program interface and its controls. The management and teaching staff of this program have designed the content so that professionals in the field acquire all the required skills.

Update your resume with this Postgraduate Certificate and become an expert in 3D Modeling with 3DS Max"

General Objectives

- Know in depth all the steps to create a 3D modeling of a professional's own
- Know and understand in detail how textures work and how they influence on the modeling
- Master several programs focused on modeling, texturing and real time used today in the professional world
- Apply the knowledge acquired in the resolution of problems of a modeling
- Expertly use the knowledge acquired to create your own projects and intelligently add them to your portfolio
- Develop the resources of each program to achieve the best effect for your modeling

Specific Objectives

- In-depth knowledge of the functionality of the 3DS Max program
- Know in depth the program interface and its controls
- Transform the geometry to achieve the desired shape in the fastest and most efficient way.
- Learn all the effects of the modifiers and learn how to combine them for greater effect
- Understand Boolean operations and know how to use them to your advantage
- Use 2D elements to combine them with our 3D to create shapes more efficiently

Thanks to our organized study plans, you will pass this Postgraduate Certificate in 6 weeks without any problems"

03

Course Management

This program is designed following the guidelines of a group of experts of the highest prestige. Working professionals who have dedicated a large part of their careers to developing their texturing technique, continuing at the forefront of the industry and developing their professional practice in the best animation studios and projects of international stature. Therefore, through the content they will present and the diverse didactic materials they have developed, the students will receive the most current and requested knowledge of this industry.

The direction and teachers of the Postgraduate Certificate, experts in the area, will accompany you throughout the program and you will learn from the best"

Management

Ms. Vidal Peig, Teresa

- Specialist in Arts and Technology (digital art, 2D, 3D, VR and AR).
- Designer and creator of 2D character sketches for mobile video games
- Designer at Sara Lee, Motos Bordy, Hebo and Full Gass
- Teacher and director of Professional Master's Degree in Video Game Programming
- Teacher at the University of Girona
- PhD in Architecture from the Polytechnic University of Catalonia
- Bachelor of Fine Arts from the University of Barcelona


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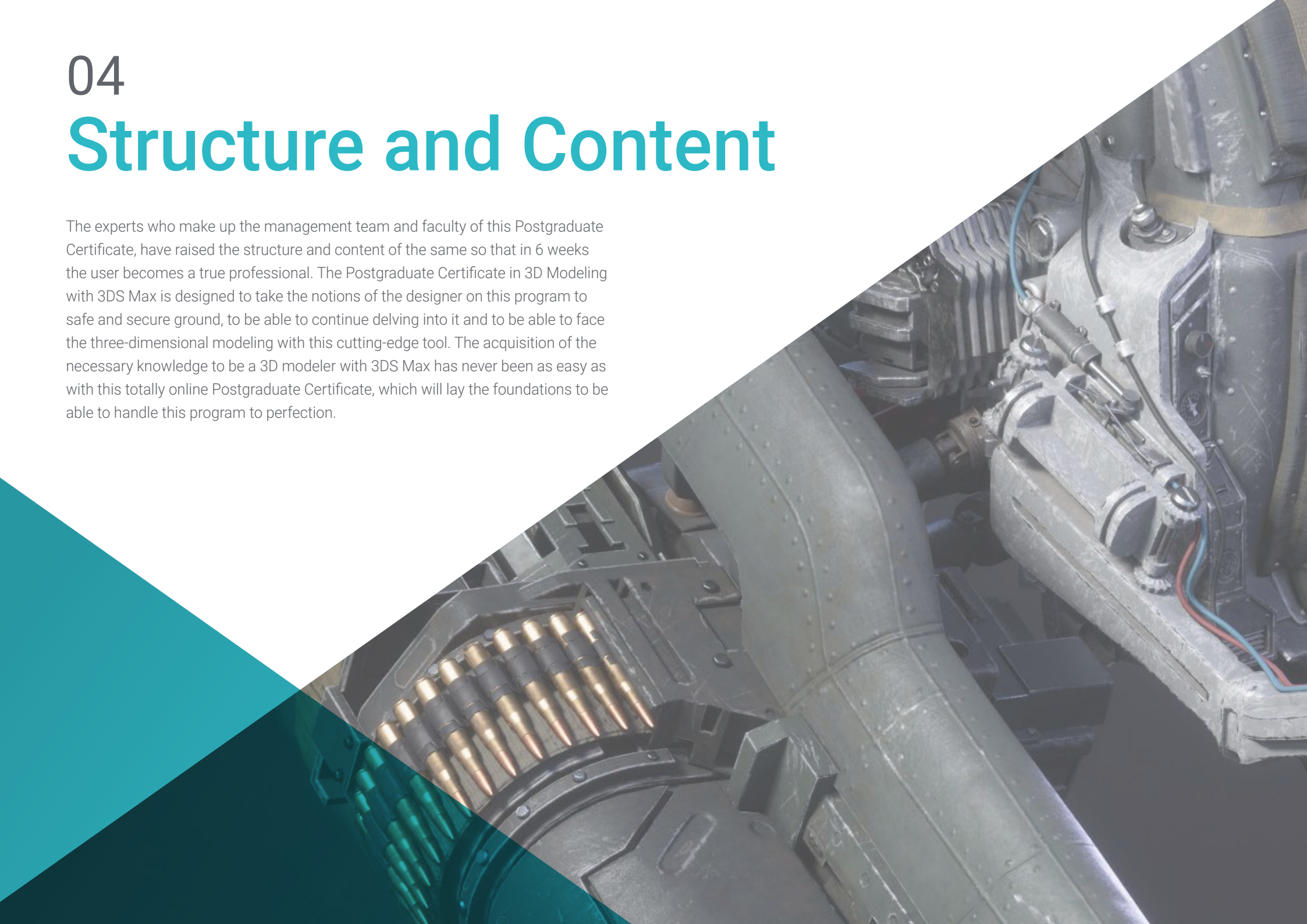
04

Structure and Content

The experts who make up the management team and faculty of this Postgraduate Certificate, have raised the structure and content of the same so that in 6 weeks the user becomes a true professional. The Postgraduate Certificate in 3D Modeling with 3DS Max is designed to take the notions of the designer on this program to safe and secure ground, to be able to continue delving into it and to be able to face the three-dimensional modeling with this cutting-edge tool. The acquisition of the necessary knowledge to be a 3D modeler with 3DS Max has never been as easy as with this totally online Postgraduate Certificate, which will lay the foundations to be able to handle this program to perfection.



This program, like all those offered by TECH, is endorsed by the best professionals in the industry"

Module 1. 3D Modeling with 3DS Max

1.1. 3D Modeling with 3DS Max
- 1.1.1. Orbit, Viewers and Views
- 1.1.2. Geometry Display Modes
- 1.1.3. Steering Wheels

1.2. Transformations and Geometry
- 1.2.1. Interactive and Parametric Transformations
- 1.2.2. Standard and Extended Primitives
- 1.2.3. Scaling Transformation
- 1.2.4. Select and Place / Select and Rotate
- 1.2.5. Align and Symmetry

1.3. Main Operations
- 1.3.1. Duplicate, Interactive Selection and Selection Groups and Elements
- 1.3.2. Layers, Grid, Snap and Pivot Point
- 1.3.3. Links, Coordinate Systems, Actions, Views and Isolate Geometry

1.4. Parametric Modifiers
- 1.4.1. Bend, Taper, Skew and Twist
- 1.4.2. Stretch and Squeeze
- 1.4.3. Ripple, Wave and Noise
- 1.4.4. Spherify, Lattice and Mirror
- 1.4.5. Push and Relax
- 1.4.6. Slice, Shell and CapHoles

1.5. Free Deformation Modifiers
- 1.5.1. FFD Modifiers
- 1.5.2. FFD Cyl
- 1.5.3. FFD Box

1.6. Composition Objects
- 1.6.1. Boolean Operations Boolean and ProBoolean
- 1.6.2. Objects Dispersion Scatter
- 1.6.3. Morphism Morph

1.7. 2D Shapes Splines
- 1.7.1. Splines and its Options
- 1.7.2. The Line and Vertex Types
- 1.7.3. Vertex, Segment and Splines Subobjects

1.8. 2D Shapes Advanced Splines
- 1.8.1. Editable Splines and use of Grid and Snap to Create 2D Shapes
- 1.8.2. Parametric Modifiers, FFD and Booleans with Splines
- 1.8.3. Extended Splines and Section

1.9. Modifiers of splines
- 1.9.1. Extrude
- 1.9.2. Bevel
- 1.9.3. Sweep
- 1.9.4. Lathe

1.10. Composition Objects Splines
- 1.10.1. Loft
- 1.10.2. Terrain
- 1.10.3. Shape Merge

Studying and learning is not the same when behind the content there is a strategy designed by real industry professionals"

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.

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"

Case Study to contextualize all content

Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world"

You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.

The student will learn to solve complex situations in real business environments through collaborative activities and real cases.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and professional reality is taken into account.

> *Our program prepares you to face new challenges in uncertain environments and achieve success in your career"*

The case method is the most widely used learning system in the best faculties in the world. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question we face in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

Relearning Methodology

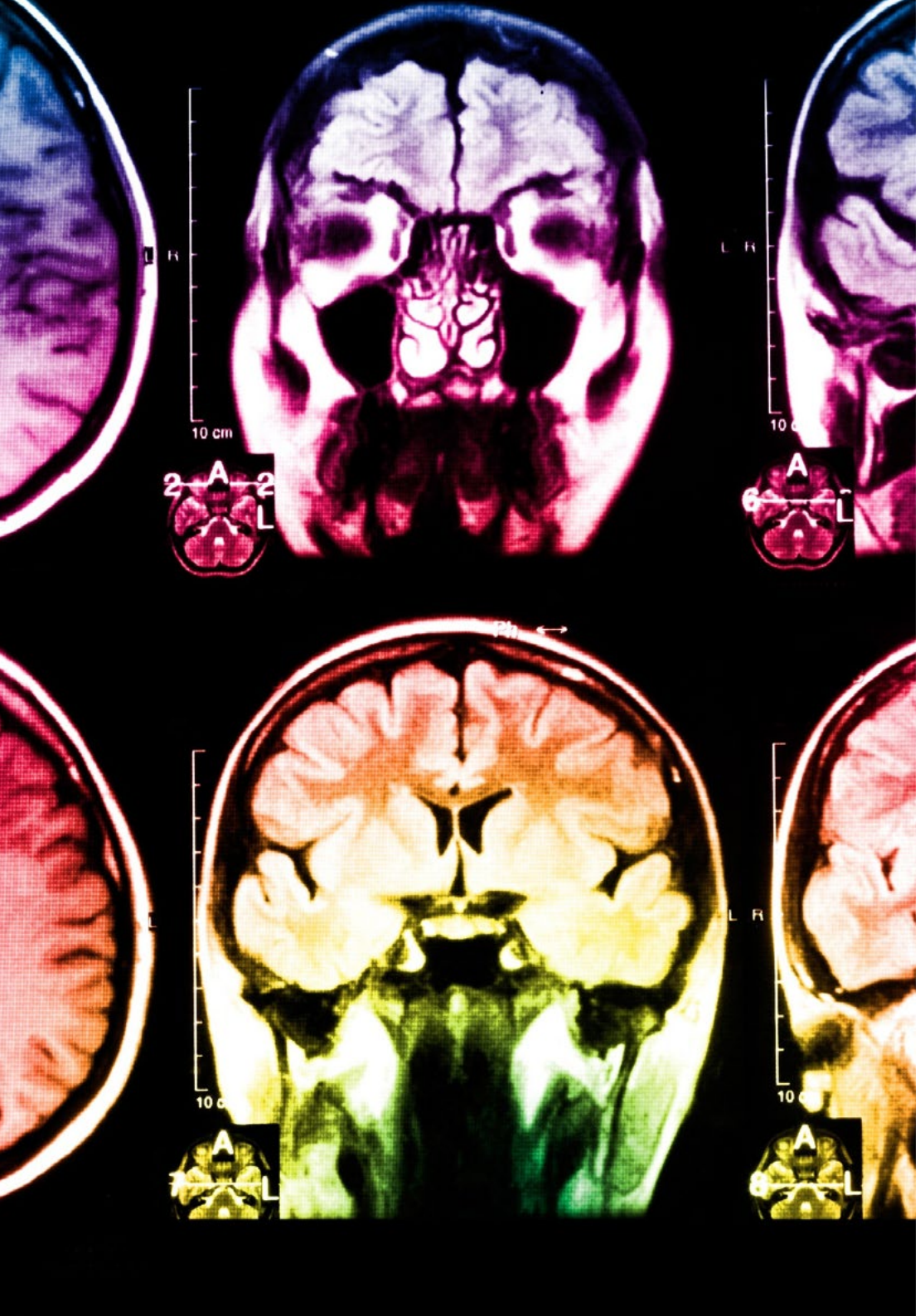
TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

In 2019, we obtained the best learning results of all online universities in the world.

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our university is the only one in the world authorized to employ this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.



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. With this methodology we have trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, markets, and financial instruments. 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 training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.

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.

Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

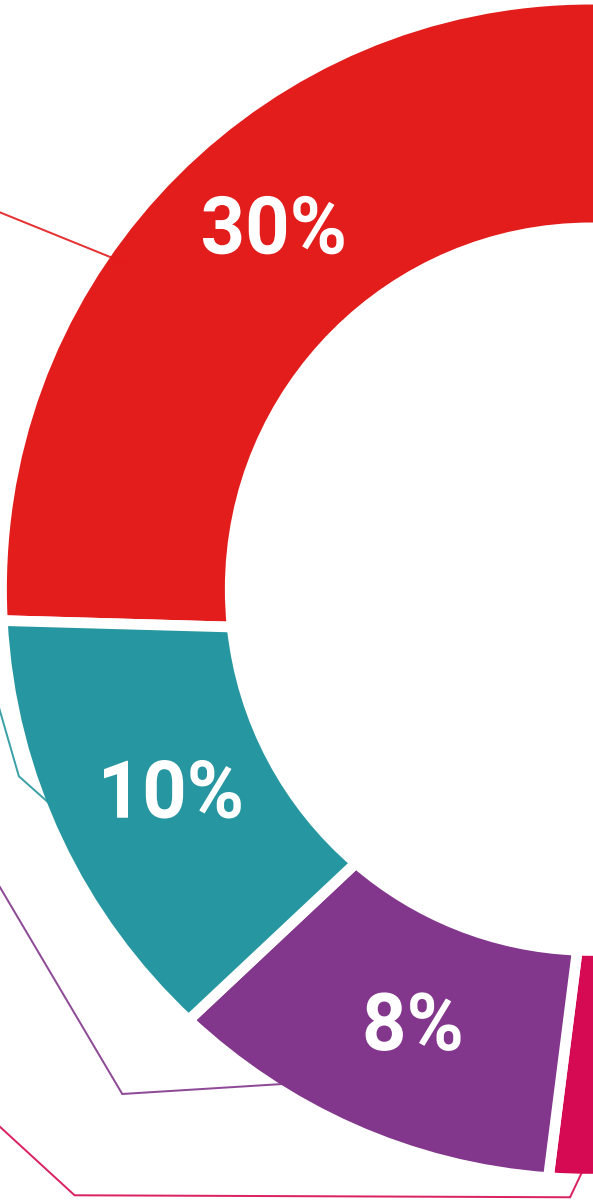
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

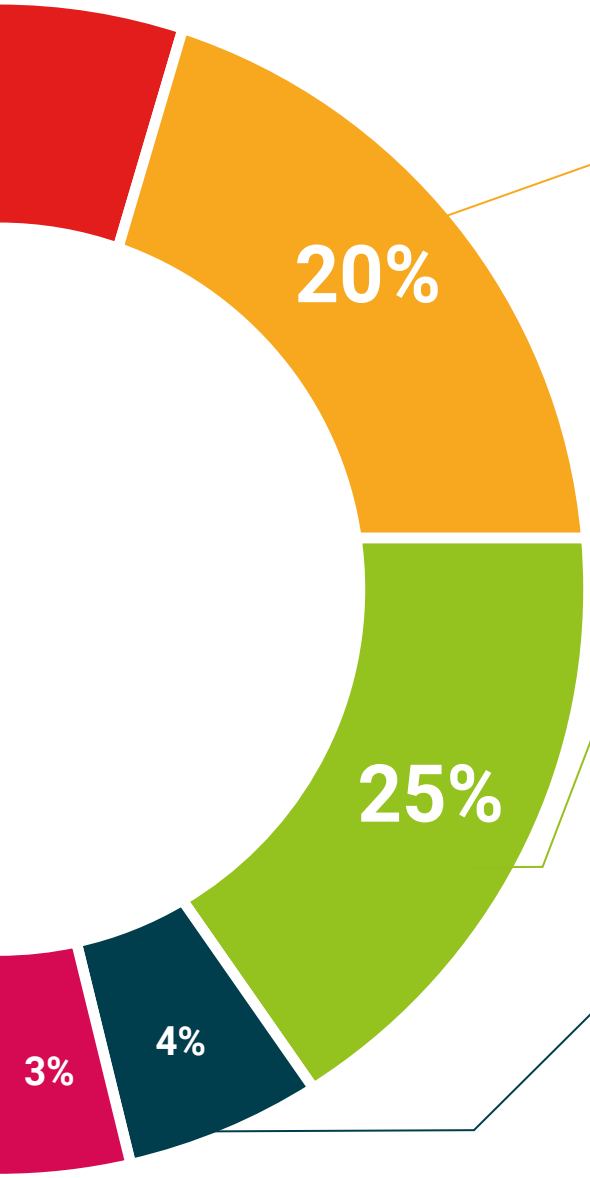
Practising Skills and Abilities

They will carry out activities to develop specific competencies and skills in each thematic area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.

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.





Case Studies

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best specialists in the world.

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".

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 their goals.

06

Certificate

The Postgraduate Certificate in 3D Modeling with 3DS Max guarantees students, in addition to the most rigorous and up to date education, access to a Postgraduate Certificate issued by TECH Technological University.

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

This **Postgraduate Certificate in 3D Modeling with 3DS Max** 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 diploma 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 3D Modeling with 3DS Max**

Modality: **online**

Duration: **6 weeks**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Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

3D Modeling with 3DS Max

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro

Dean

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 EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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