Postgraduate Certificate
Technical Modeling in Rhino

tech global university

Postgraduate Certificate
Technical Modeling
in Rhino

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

Website: **www.techtitute.com/us/information-technology/postgraduate-certificate/technical-modeling-rhino**

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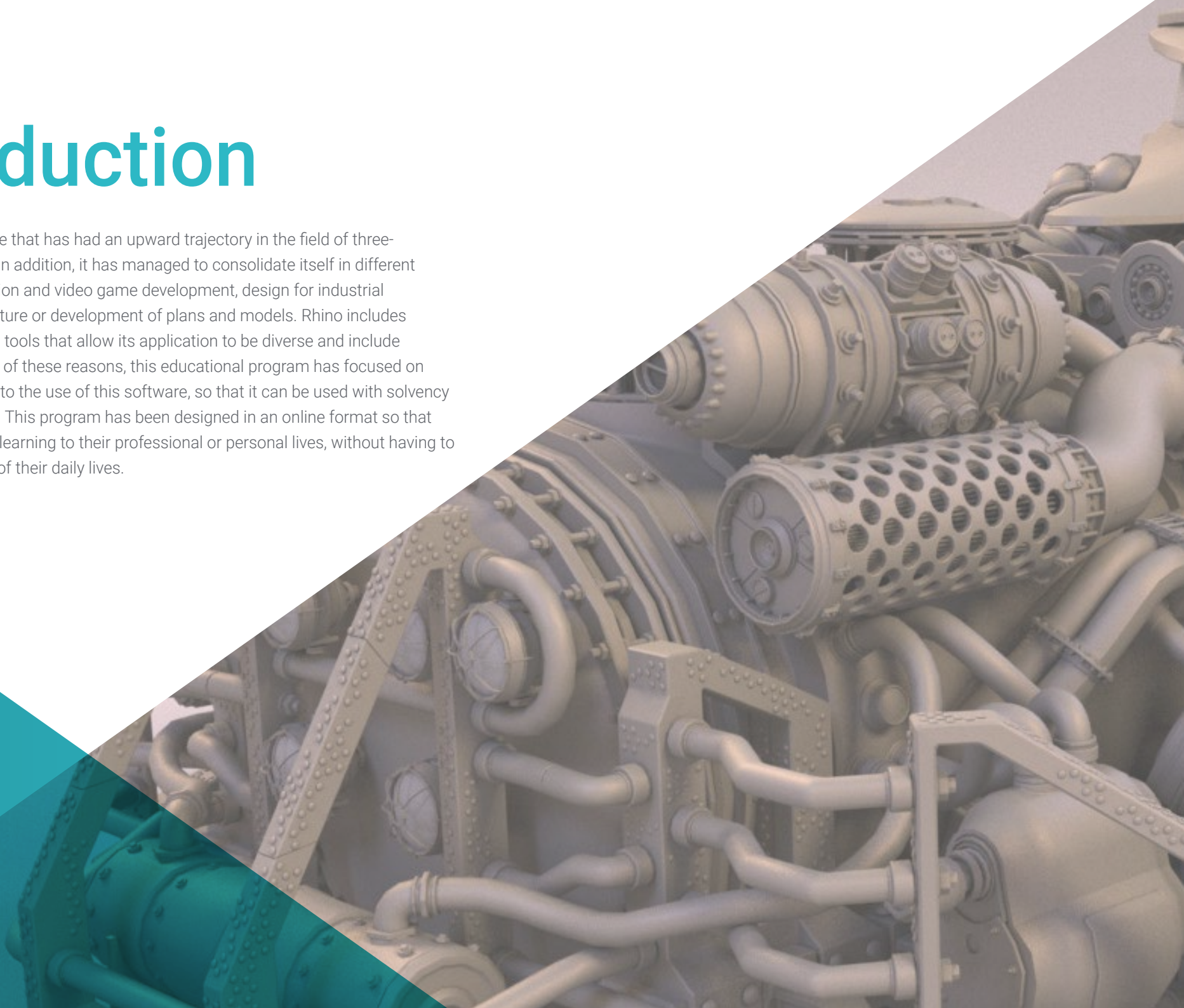
01
Introduction

Rhinoceros is a software that has had an upward trajectory in the field of three-dimensional modeling. In addition, it has managed to consolidate itself in different sectors such as animation and video game development, design for industrial production, infoarchitecture or development of plans and models. Rhino includes a multitude of modeling tools that allow its application to be diverse and include different sectors. For all of these reasons, this educational program has focused on introducing the student to the use of this software, so that it can be used with solvency in professional projects. This program has been designed in an online format so that students can adapt the learning to their professional or personal lives, without having to sacrifice other aspects of their daily lives.

Discover all of Rhino's utilities in the most convenient and practical way: with this totally online program"

There are many fields that have included technical modeling with Rhino in their designs. This Postgraduate Certificate has been designed by TECH Global University to offer the students an effective learning, which introduces them to the use of this tool or refocuses their knowledge to new sectors in which they work. Rhino offers the possibility of creating and edit three-dimensional objects with excellent visual effects.

The content of this Postgraduate Certificate provides the student with knowledge in analysis, documentation, rendering, translation and animation. You will also be able to practice curve techniques with the *Nurbs* system and start creating new surfaces, solids, point clouds and geometries. All of this with the objective of providing you with an in-depth understanding of what Rhino modeling is, its fundamental notions and the different concepts and characteristics associated with the software.

This Postgraduate Certificate is taught entirely online, in order to facilitate students' autonomous learning and comprehension, at their own time and pace, since thanks to this format, they can choose where and when to advance in the content. The teaching team will provide students with all the pedagogical resources and audiovisual materials necessary to follow the virtual classes.

This **Postgraduate Certificate in Technical Modeling in Rhino** contains the most complete and up-to-date educational program on the market. The most important features include:

- The development of case studies presented by experts in 3D modeling in Rhino software
- 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

Many professionals expand their repertoire of skills and opt for this educational program to be competent in their jobs"

"

Decide where and when to advance through the program: all you need is an internet connection and an electronic device to access all its multimedia content"

Add to your portfolio your skills and abilities in Rhino, surprise with this specific program.

Refresh or specialize your Rhinoceros skills with this convenient and easy-to-use educational program in a fully online format.
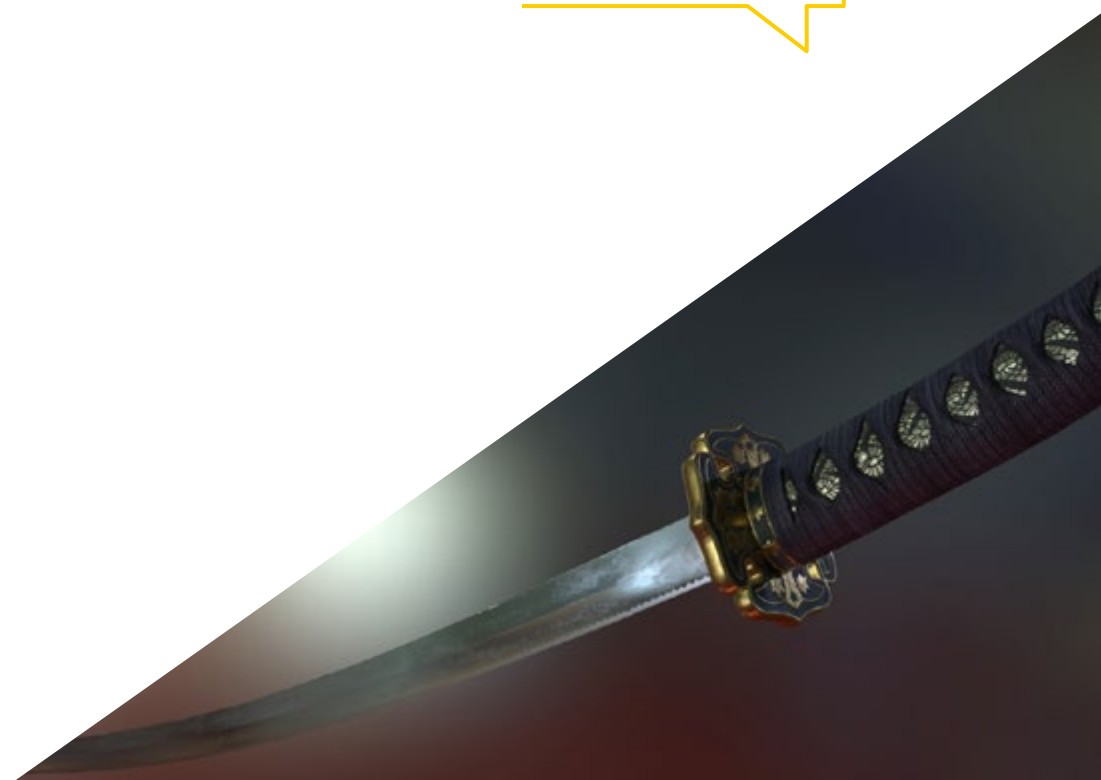
The program includes, in its teaching staff, professionals from the sector who bring to this program the experience of their work, in addition to recognized specialists from prestigious reference societies and universities.

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 throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

02
Objectives

Students taking this program will be able to create, modify, analyze and render shapes. It will also have the most current and practical content to specialize in Rhinoceros software, taught by an expert faculty in the field, able to develop the necessary skills in the graduate students, which will lead them to become a qualified professional who evolves at the same time as the needs of the sector.
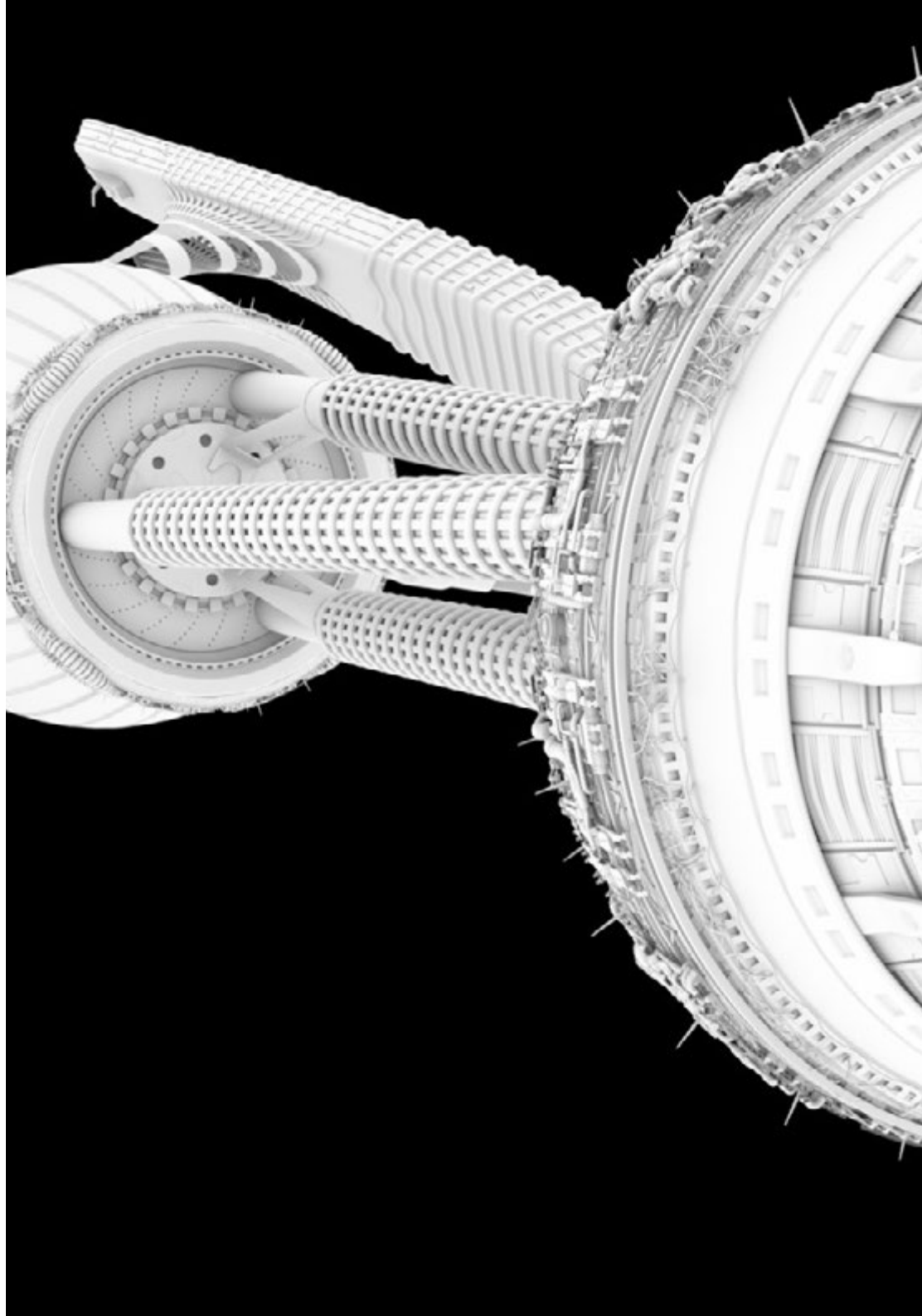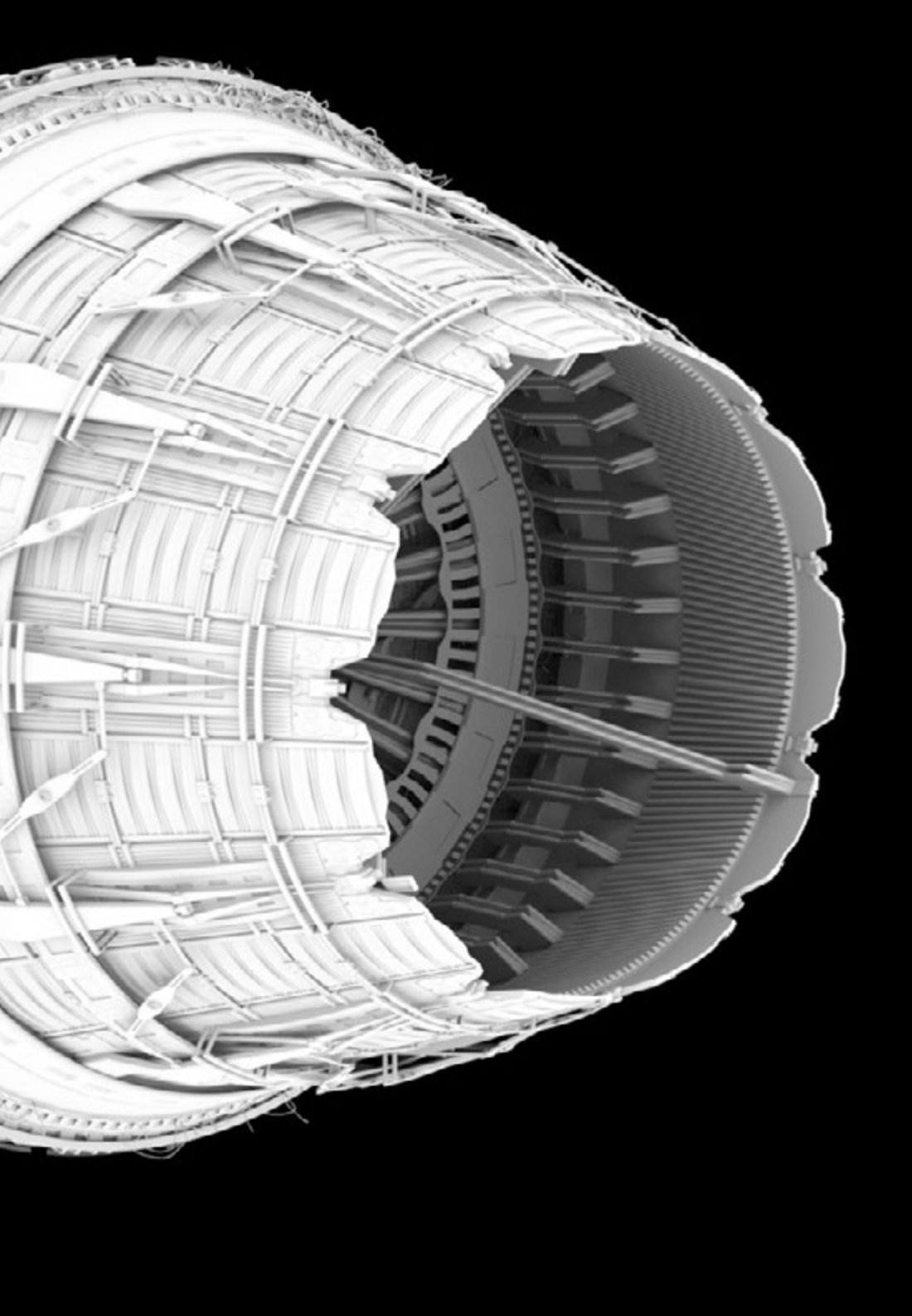
You will acquire the necessary skills for a solid handling of this software so much in demand in technical modeling"

General Objectives

- Know in depth what Rhino modeling is, its fundamental notions and the different concepts and features associated with the software

- Learn what the main advantages of Rhino software are

- Generate designs for different industries and their application

- Be a technical expert and/or artist in 3D modeling with Rhino

- Get to know in detail all the tools included in the Rhino program for its better execution

- Acquire skills for the development of its multidisciplinary features

Specific Objectives

- Broadly understand how *Nurbs* modeling software works
- Work with precision modeling systems
- Learn in detail how to execute commands
- Create the basis of geometries
- Edit and transform geometries
- Work with an organization in the scenes

" *Reach your goals thanks to the in-depth mastery of Rhino Technical Modeling offered by this Postgraduate Certificate"*

03
Course Management

Thanks to the qualified professionals in the different sectors described, you will be able to follow this Postgraduate Certificate. The management team and teaching staff of this Postgraduate Certificate guarantee the success of the students, who receive an elite education that allows them, through practice, to put all their knowledge to good use. The students will be able to meet the demands and challenges that arise in their professional careers and will feel supported during the course.

With the support of the faculty, you will learn the tools you need to be a true professional in your sector"

Management

Mr. Salvo Bustos, Gabriel Agustín
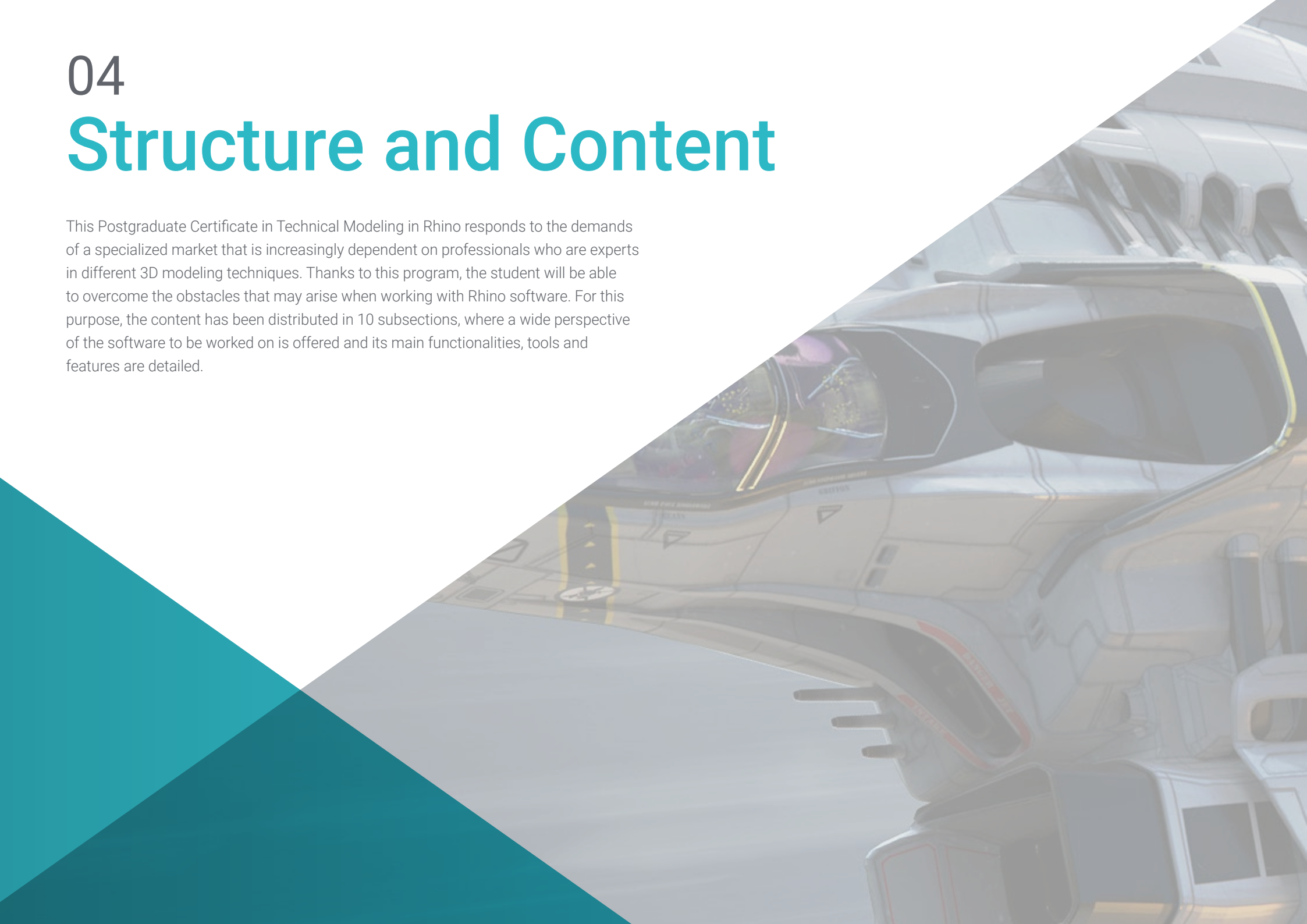
- 9 years of experience in Aeronautical 3D modeling.
- 3D Artist at 3D VISUALIZATION SERVICE INC.
- 3D Production for Boston Whaler
- 3D Modeler at Shay Bonder Multimedia TV Production Company
- Audiovisual Producer at Digital Film
- Product Designer for Escencia de los Artesanos by Eliana M
- Industrial Designer Specializing in Products. National University of Cuyo
- Honorable Mention in Mendoza Late Contest
- Exhibitor at the Regional Visual Arts Salon Vendimia.
- Digital Composition Seminar. National University of Cuyo
- National Congress of design and production. C.P.R.O.D.I

04

Structure and Content

This Postgraduate Certificate in Technical Modeling in Rhino responds to the demands of a specialized market that is increasingly dependent on professionals who are experts in different 3D modeling techniques. Thanks to this program, the student will be able to overcome the obstacles that may arise when working with Rhino software. For this purpose, the content has been distributed in 10 subsections, where a wide perspective of the software to be worked on is offered and its main functionalities, tools and features are detailed.

Specialize your professional profile and meet the demands of an increasingly specialized market"

Module 1. Technical Modeling in Rhino

Do you want to learn Rhino modeling techniques? Enroll now in this Postgraduate Certificate and achieve your goal in 6 weeks"

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 has been the most widely used learning system among the world's leading Information Technology schools for as long as they have existed. 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 that you are presented with in the case method, an action-oriented learning method. Throughout the course, students 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 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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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. This methodology has 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, and financial markets and 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 skills and abilities in each subject 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.

30%

10%

8%

20%

25%

4%

3%

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 Technical Modeling in Rhino guarantees students, in addition to the most rigorous and up-to-date education, access to a 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 program will allow you to obtain your **Postgraduate Certificate in Technical Modeling in Rhino** 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 Technical Modeling in Rhino**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**

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

Postgraduate Certificate in Technical Modeling in Rhino

This is a program 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
Rector

Unique TECH Code: AFWORD23S   techtitute.com/certificates

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*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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