Postgraduate Certificate
Low Poly Modeling in 3D Studio Max

tech technological university

Postgraduate Certificate
Low Poly Modeling in 3D Studio Max

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

Website: **www.techtitute.com/in/information-technology/postgraduate-certificate/low-poly-modeling-3d-studio-max**

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01
Introduction

Polygonal modeling with *Low Poly* technique is based on the creation of simpler polygons or polygons with few vertices, i.e., with few faces, such as spheres, cylinders or cubes. The state-of-the-art polygonal modeling software 3ds Max offers the possibility of modeling with this technique, which is used by designers, animators and modelers in many fields. Due to its lightweight finishes, its use is becoming more and more widespread. This syllabus contains the necessary foundations for students to acquire the necessary skills and abilities in *Low Poly* modeling. This educational program is covered in a fully online, easy and flexible way, as well as it guarantees the necessary notions for three-dimensional *Low Poly* modeling in 3D Studio Max.

Learn how to work with Low Poly in 3D Studio Max with this easy and flexible online education"

The content covers the indispensable aspects to work with basic polygonal shapes for mechanical models, their components and other elements, so that the graduate student has a broad knowledge of 3D Low Poly modeling through 3ds Max. Therefore, the first sections will delve into the incorporation of different components, the aggregation of subcomponents and the work of volumetry.

Secondly, the syllabus will focus on detailing as a way to achieve greater realism in the modeling, as well as on improving different techniques to develop them. Finally, this program focuses on the integration and connection of mechanical parts to the main design. Fully online education to make it easier to balance other personal or professional projects with academic retraining.

A complete education in Low Poly modeling in 3ds Max, which makes all the content and educational and audiovisual material available on the digital platform. Based on a re-learning and learning by doing methodology, it is intended that students learn in an eminently practical way and that the acquisition of knowledge takes place in an autonomous manner and adapted to the pace of each student.

This **Postgraduate Certificate in Low Poly Modeling in 3D Studio Max** 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 Studio Max modeling 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

You will be able to access all the material of this Postgraduate Certificate from any electronic device with internet connection"

Accept new professional challenges in Low Poly modeling in 3ds Max thanks to this Postgraduate Certificate devised by TECH Technological University. Learn in the most comfortable and practical way"

This Postgraduate Certificate will give you the keys to model with Low Poly technique in 3ds Max in only 6 weeks.

Learn how to work with the basic polygonal shapes for mechanical models, their components and other elements.

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.

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

A sector that is becoming more and more widespread and has more applications in different fields, such as three-dimensional modeling, also requires experts with different skills and abilities. The aim of this Postgraduate Certificate is for students to develop the ability to handle the Low Poly technique in the state-of-the-art 3D modeling software 3ds Max. This educational program has been designed by TECH Technological University, based on the needs of a growing sector and with the expertise of a teaching staff made up of true professionals.

TECH has designed this program based on the needs of a growing sector, relying on the expertise of a teaching staff made up of true professionals"

General Objectives

- Comprehensive knowledge of 3D modeling through 3D Studio Max software and its Low Poly modeling technique
- Delve into the theory of shape creation in order to develop shape masters
- Learn the Low Poly technique in 3D Studio Max software
- Generate designs for different industries and their application
- Be a technical expert and/or artist in 3D Studio Max software, applying the Low Poly technique
- Know all the tools involved in the 3D modeling profession
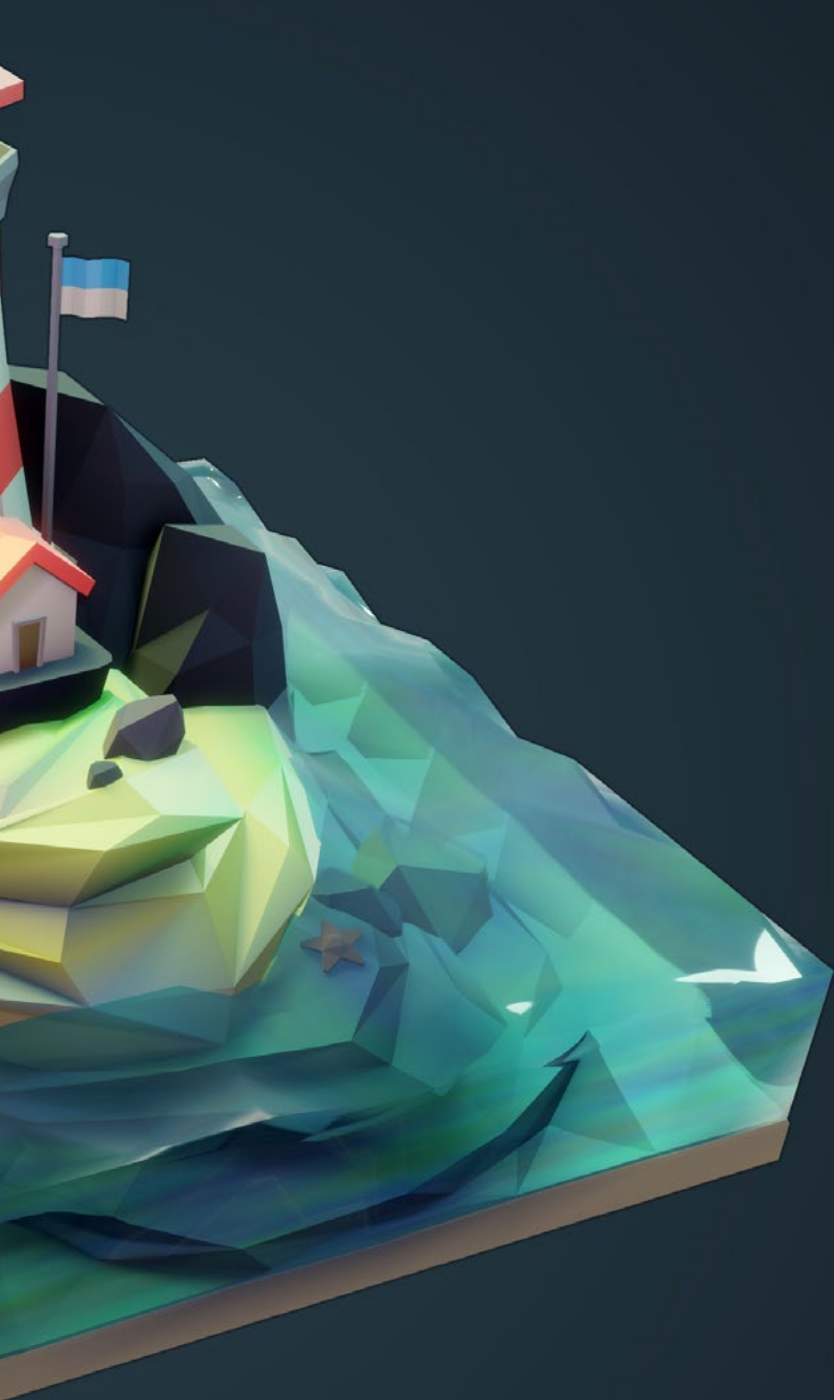
Specific Objectives

- ◆ Working with basic shapes for mechanical models
- ◆ Develop the ability to decompose elements
- ◆ Understand in depth how detail makes for realism
- ◆ Solve different techniques to develop details
- ◆ Understand how mechanical parts are connected

Improve your portfolio with 3D modeling with Low Poly technique in 3ds Max, highlight your projects above the competition"

03
Course Management

This Postgraduate Certificate has the expertise of a faculty made up of true professionals in the sector. All of them have dedicated their professional careers to research and investigation in three-dimensional modeling techniques, leading projects of international stature and sharing with other specialists in the field a multitude of productions. Thanks to this extensive professional experience, they will share with the students not only the theoretical and practical notions, but also the professional criteria necessary to effectively meet the modeling challenges that may come in the future.

Get started or improve your technique in Low Poly modeling with 3ds Max, with the best experts and professionals of the sector"

Management

Mr. Salvo Bustos, Gabriel Agustín

- 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
- 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

The content of this program is organized in such a way that the students can progressively enhance their knowledge. Based on a relearning and learning by doing methodology, this Postgraduate Certificate designed by TECH Technological University is designed so that learning occurs by repetition and practice of skills and abilities. In this specific case, we will work on the development of a Low Poly model, as well as on the other elements and components that make it up. Thanks to the comprehensive contents of the program, users will be able to learn in depth the tools offered by this platform when perfecting the polygon creation technique.

"

Thanks to the complete contents of this program, you will be able to learn in depth the tools that 3ds Max offers when elaborating polygons"

Module 1. Low Poly 3D Studio Max Modeling

Have you Made Up Your Mind? Become proficient in Low Poly modeling in 3d Studio Max with this convenient and flexible program"

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.

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.

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

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%
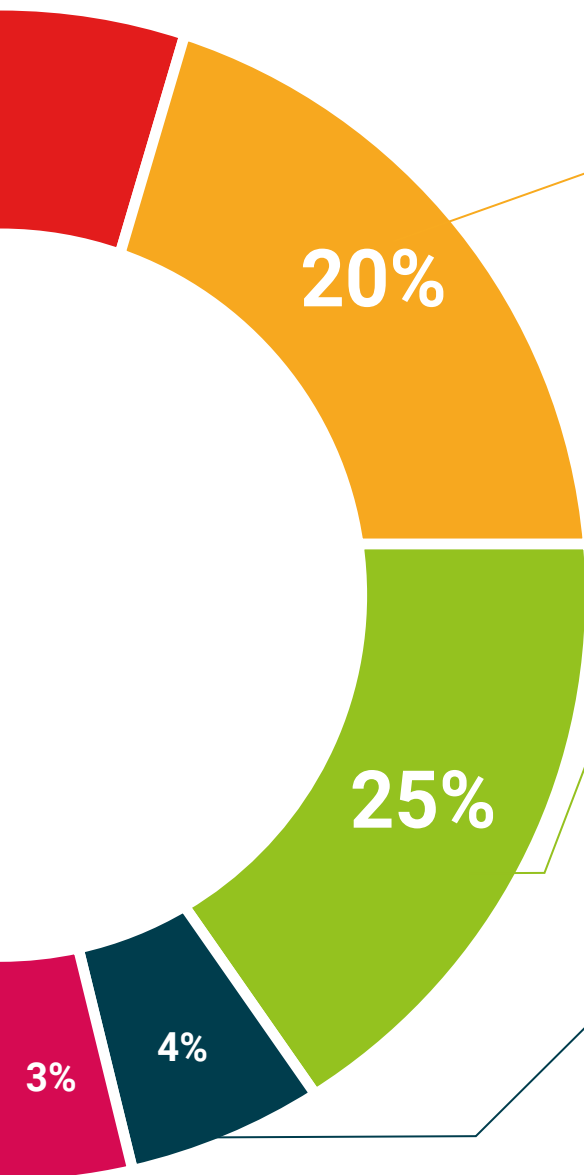
Case Studies

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.

Certificate

The Postgraduate Certificate in Low Poly Modeling in 3D Studio 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 Low Poly Modeling in 3D Studio 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 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 Low Poly Modeling in 3D Studio Max**

Official N° of Hours: **150 h.**

tech technological university

Awards the following
CERTIFICATE
to
Mr./Ms. _____, with identification number _____.
For having passed and accredited the following program

POSTGRADUATE CERTIFICATE
in
Low Poly Modeling in 3D Studio 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 certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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