

# Postgraduate Certificate Graphic Expression in Landscape Architecture



## Postgraduate Certificate Graphic Expression in Landscape Architecture

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

Website: [www.techtute.com/us/engineering/postgraduate-certificate/graphic-expression-landscape-architecture](http://www.techtute.com/us/engineering/postgraduate-certificate/graphic-expression-landscape-architecture)

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# 01

# Introduction

Graphic expression is an indispensable tool for an architect, even more so for a landscape architect, since all projects are represented by drawing. Without graphic expression, a project could not be explained, nor could people be made aware of what it means. But more important is the fact that it could not be built without a series of plans that define it. According to the relevance that this subfield has taken in the field of Landscape Architecture, this program has been created, providing advanced content in the development of visual representation and graphic communication skills. All this with an online pedagogical format and with a team of experienced teachers in Landscape Architecture.





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*TECH Global University is innovation and this Postgraduate Certificate in Landscape Architecture is a true reflection of that"*

Nowadays, technical drawing is an important pillar of craftsmanship and industrial work. It is a means of expression and communication or link between the project and its execution, such as plans for structures, piping installations, electrical networks, etc. Architecture, for example, is a science that appeals to technical drawings with clarifications on its dimensions in the plans. In this case, we speak of architectural drawing. Accordingly, professionals have worked on the evolution of this area of knowledge by implementing ways to build constructions with the protection of nature, guiding their knowledge to benefit all environments and their protagonists.

In this way, research in this sector has advanced to answer multiple questions, making it clear that professionals in Architecture must be at the forefront in this area of knowledge that is in full change. Therefore, this Postgraduate Certificate will provide the professional with updates in Graphic Expression in Landscape Architecture and the analysis of concepts such as structure of the graphic form and networks by composition of polygons.

Students will strengthen their skills in specific areas on how to differentiate and manage the processes of construction and execution of Landscape Architecture projects. On the other hand, it is a program that integrates a teaching team with extensive experience and fully specialized, supported by an audiovisual content of the highest quality that offers a better experience to students for its dynamism and convenience with the online modality.

Therefore, TECH Global University is focused on excellence and comfort, offering the most complete update and the highest standards, therefore this is a program of great flexibility by only needing a device with Internet connection to easily access the Virtual Campus from the comfort of the place where you are.

This **Postgraduate Certificate in Graphic Expression in Landscape Architecture** 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 Engineering focused on Landscape Architecture
- ◆ The graphic, schematic, and practical contents 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 work
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



*At TECH Global University you will continue to expand your knowledge and you will be able to answer questions in disciplines such as Landscaping"*

“

*TECH Global University offers multimedia content to support you in reaching your goals, providing you with dynamism and comfort with the online methodology”*

The program’s teaching staff includes professionals from the sector who contribute their work experience to this training program, as well as renowned specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning, that is, a simulated environment that will provide an immersive training programmed to train in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

*Acquire more knowledge and become an expert architect in Landscape Architecture.*

*TECH Global University is excellence and efficiency, offering you innovative tools and the most updated content of the academic program.*



# 02

# Objectives

This Postgraduate Certificate in Graphic Expression in Landscape Architecture has been specially designed to provide the professional with the most recent updates in the field of Landscape Architecture. Therefore, TECH Global University provides several innovative didactic tools, guaranteeing the successful development of the program. At the end of this program, the student will have nurtured their knowledge in the deepening of concepts and advanced principles of design applied to Landscape Architecture.







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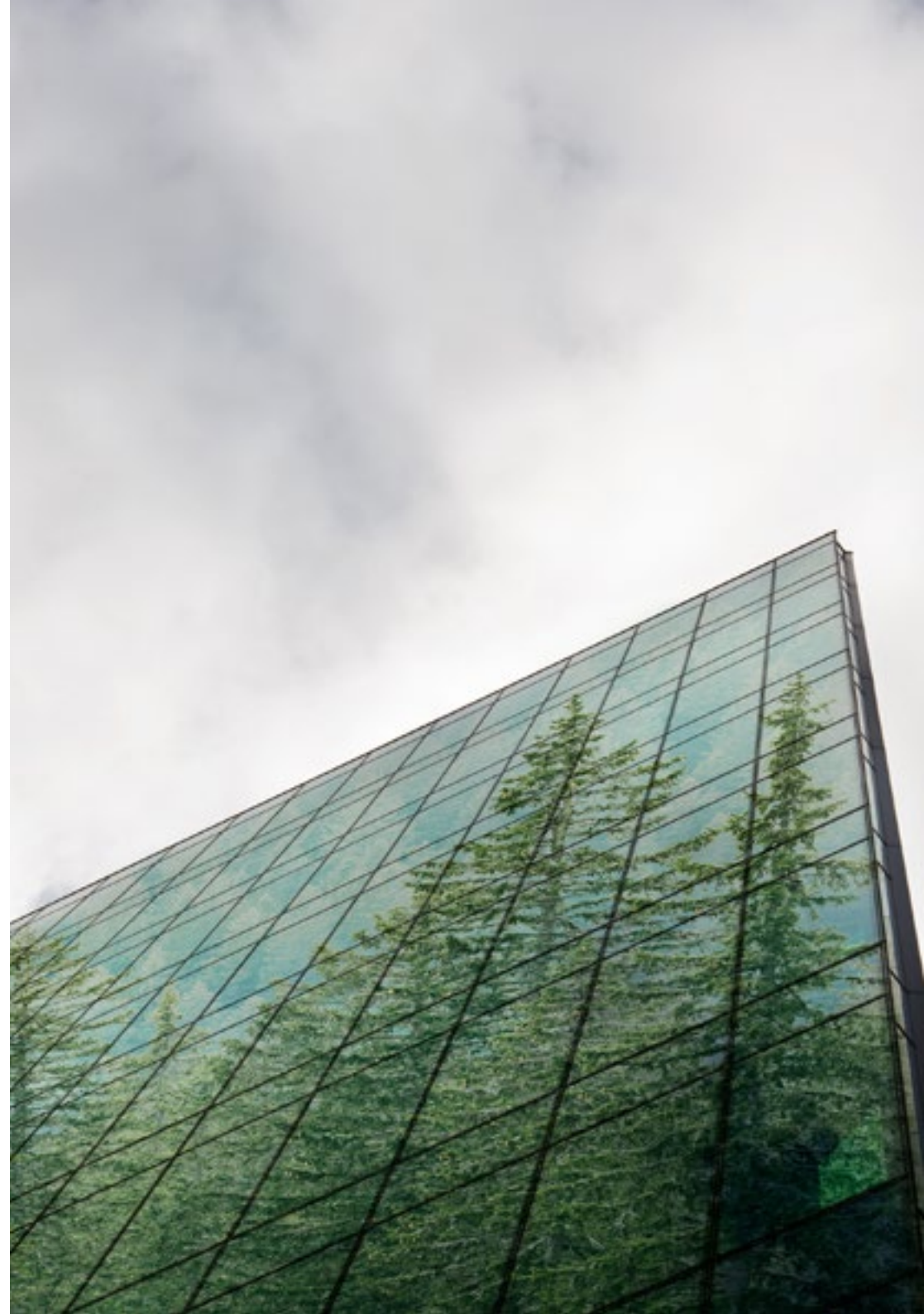
*TECH Global University is at the forefront, providing you with advanced industry content to meet your professional goals in less time than you think"*



## General Objectives

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- ◆ Delve into the concepts and advanced principles of design applied to the landscape
- ◆ Develop visual representation and graphic communication skills in the field of Landscape Architecture
- ◆ Dig deeper into the planning and execution of design projects in Landscape Architecture
- ◆ Approach different strategies for ecological conservation and restoration
- ◆ Differentiate and manage the processes of construction and execution of Landscape Architecture projects
- ◆ Integrate Landscape management strategies and practices to preserve the health and beauty of natural and built environments





## Specific Objectives

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- ◆ Integrate the use of computer-aided design (CAD) and 3D modeling software and tools to create accurate digital representations
- ◆ Develop graphic communication skills to present and visualize Landscape Architecture designs
- ◆ Differentiate the main techniques for rendering materials and textures to enrich graphic representations
- ◆ Address the principles of visual composition in the graphic representation of landscape designs



*Give your career the boost it needs and specialize in the field of Graphic Expression in Landscape Architecture"*

03

# Course Management

Students will have access to content created by faculty specializing in landscape design and management, green space design, themed sculpture and sculpture for gardens, and scenographic design and construction. Their extensive experience and strong knowledge will allow the graduate to resolve doubts or answer questions that arise during the course of the program.





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*The content to which you will have access was designed by professional specialists in design, architecture and sculptures in public spaces"*

## Management



### Dr. Schiavo, Fiorella

- ◆ Landscape Architect & Digital Landscape Leader at OVE ARUP & PARTNERS
- ◆ BIM Implementation Consultant at LAND Italia
- ◆ PhD in Geography from the University of Barcelona
- ◆ Master's Degree in Landscape Architecture by the Polytechnic University of Catalonia
- ◆ Master's Degree in Territorial Planning and Environmental Management by the University of Barcelona
- ◆ Master's Degree in BIM Programming from the University Isabel II
- ◆ Diploma in Architecture

## Professors

### Mr. Arroyo Parras, Juan Gabriel

- ◆ Earth Observation Expert at INNECO
- ◆ Technical Surveying Engineer specialized in Satellite Geodesy
- ◆ GNSS technical consultant at ESSP SAS
- ◆ R+D+i project engineer at the Technological Center of Components.
- ◆ Master's Degree in Satellite Geodesy and Geophysics applied to Engineering and Geology by the University of Jaén
- ◆ Degree in Technical Engineering in Topography from the University of Jaén
- ◆ University Expert in Sustainable Energy Solutions by the International University of Andalucía



## Professors

### Mr. Camargo Casali, Daniel

- ◆ CEO and founder of D + D Solutions
- ◆ Architect in the development team of the Master Plan of Contents of the EXPO ANTALYA
- ◆ Designer and collaborator of ABBSOLUTE GROUP
- ◆ Architect Designer of Martyr's Memorial Project in Amman, Jordan
- ◆ Architect in the elaboration of the Master Plan for the Universal Exposition of Seville in 1992
- ◆ Graduate in Architecture from the University of Buenos Aires

### Ms. González Albarracín, Rosa

- ◆ Founding partner of the company Arquitectura Paisajista y Tematización SL
- ◆ Sculptor-Designer at GreenerLand
- ◆ Designer-decorator for different companies
- ◆ Freelance designer for the Museum of Villayón
- ◆ Restorer at the Museum of Fine Arts of Oviedo
- ◆ Graduate in Fine Arts from the University of Seville

### Mr. López García, Manuel "Txiki"

- ◆ Founding partner of the company Diseñadero
- ◆ Conceptual designer of several productions with the director Gustavo Carballo for Universal Music, Sony Music
- ◆ Set and costume designer in "Pasión y Ley" show of Antonio el Pipa's company
- ◆ Plastic Artist with works in several personal and collective exhibitions

# 04

# Structure and Content

This program has been oriented to the professional according to the most recent studies in the architectural field, establishing a syllabus that provides a great content on Graphic Expression in Landscape Architecture. This Postgraduate Certificate is designed to provide advanced knowledge on conic perspective, orthogonal axonometric and oblique axonometric. All this according to the diverse audiovisual tools that provide dynamism in the development of the academic program.







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*A syllabus developed with advanced content on Graphic Expression in Landscape Architecture"*

## Module 1. Graphic Expression

- 1.1. Technical Drawing. Linear Elements
  - 1.1.1. Comparison of Straight Lines
  - 1.1.2. Perpendicularity
  - 1.1.3. Parallelism and Angular Measurement
  - 1.1.4. Division of Circumferences into Equal Parts
- 1.2. Technical Drawing. Polygonal Shapes
  - 1.2.1. Construction of Polygons in General
  - 1.2.2. Construction of Regular Polygons
  - 1.2.3. Construction of Convex Polygons
  - 1.2.4. Construction of Stellated Polygons
- 1.3. Technical Drawing. Composition of Curved Shapes
  - 1.3.1. Combination of Lines by Contact. Tangents
  - 1.3.2. Shapes Based on Arcs of Tangent Circles: Ovals
  - 1.3.3. Drawing of Spirals. Archimedean Spiral
  - 1.3.4. Drawing of Ellipses. Gardener's Ellipse
  - 1.3.5. Plotting a Hyperbola
  - 1.3.6. Tracing Cycloids and Epicycloids
- 1.4. Technical Drawing. Shape Comparison
  - 1.4.1. Equality
  - 1.4.2. Symmetry
  - 1.4.3. Similarities
- 1.5. Technical Drawing. Graphic Form Structure
  - 1.5.1. Radial Structure
  - 1.5.2. Perpendicular Structure
  - 1.5.3. Parallel Structure
  - 1.5.4. Independent Structure
  - 1.5.5. Networks by Polygon Decomposition
  - 1.5.6. Networks by Polygon Composition
  - 1.5.7. Radial Networks



- 1.6. The Outlook
  - 1.6.1. Conic Perspective
  - 1.6.2. Axonometric Orthogonal Perspective
  - 1.6.3. Oblique Axonometric Perspective
- 1.7. Freehand Drawing
  - 1.7.1. Most Common Representation Techniques
  - 1.7.2. Materials. Pencil, Markers, Watercolor
  - 1.7.3. Sketches
  - 1.7.4. Software to Support Manual Drawing. Morpholio as an Example
- 1.8. Computer-Assisted Drawing
  - 1.8.1. From the Beginnings of Computer Aided Drafting to BIN
  - 1.8.2. Basic Software for Gardens, Without Drawing Knowledge SketchUp
  - 1.8.3. Description of the Most Common CAD Programs
- 1.9. CAD Associated with Databases
  - 1.9.1. Most Common Architectural BIN programs: REVIT
  - 1.9.2. VectorWorks. Features
  - 1.9.3. ArchiCad. Features
  - 1.9.4. GIS (Geographic Information Systems) programs. Differences with CAD
- 1.10. The Presentation of Projects
  - 1.10.1. Final Art
  - 1.10.2. Graphic Design Software for the Generation of Photorealistic Images
  - 1.10.3. Rendering Most Used Software in Landscaping



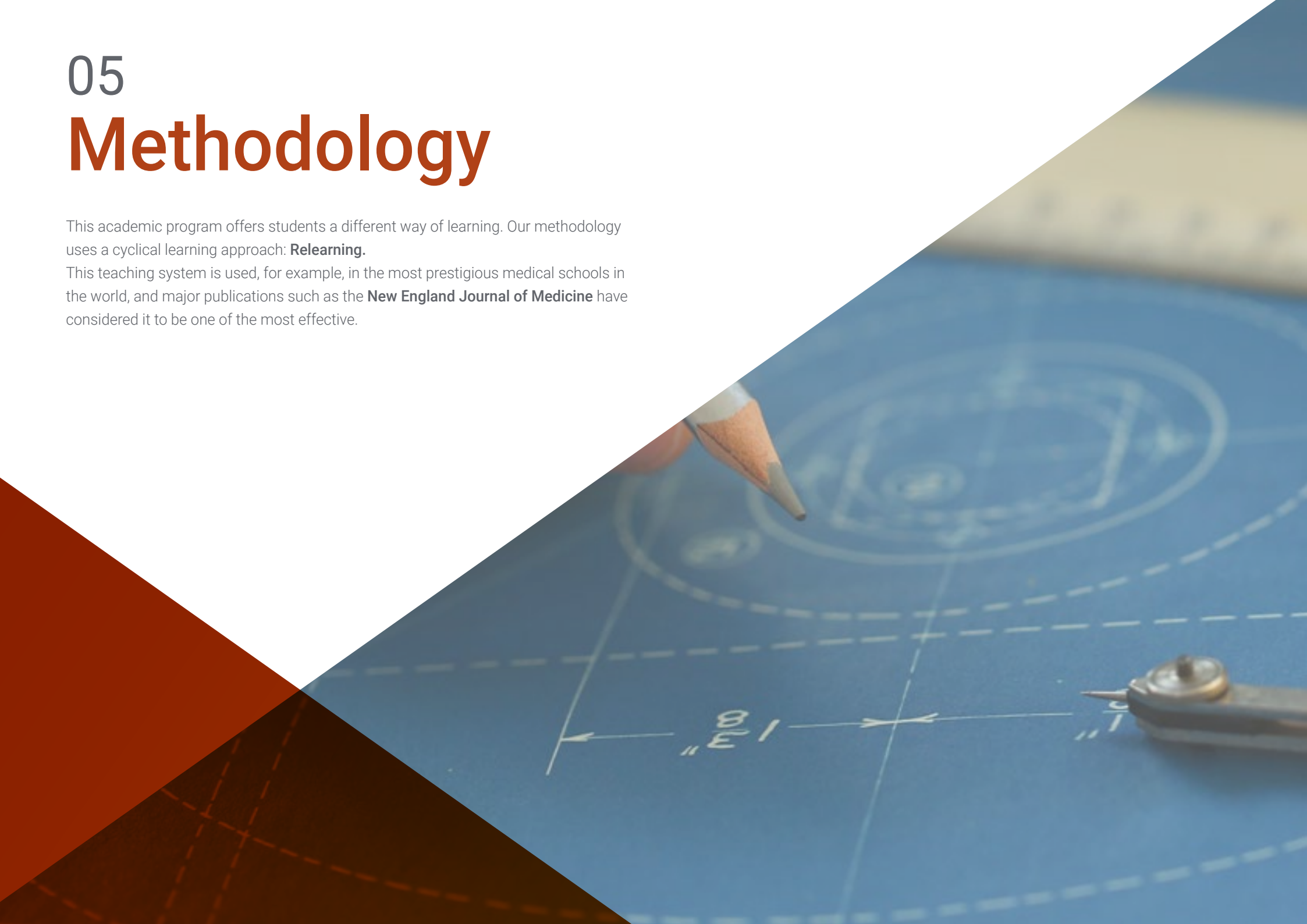
*A 100% online program that provides flexibility and convenience to delve into the most common Architectural BIN programs whenever you wish: REVIT”*

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.





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*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.

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*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 that you are presented with 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.

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.



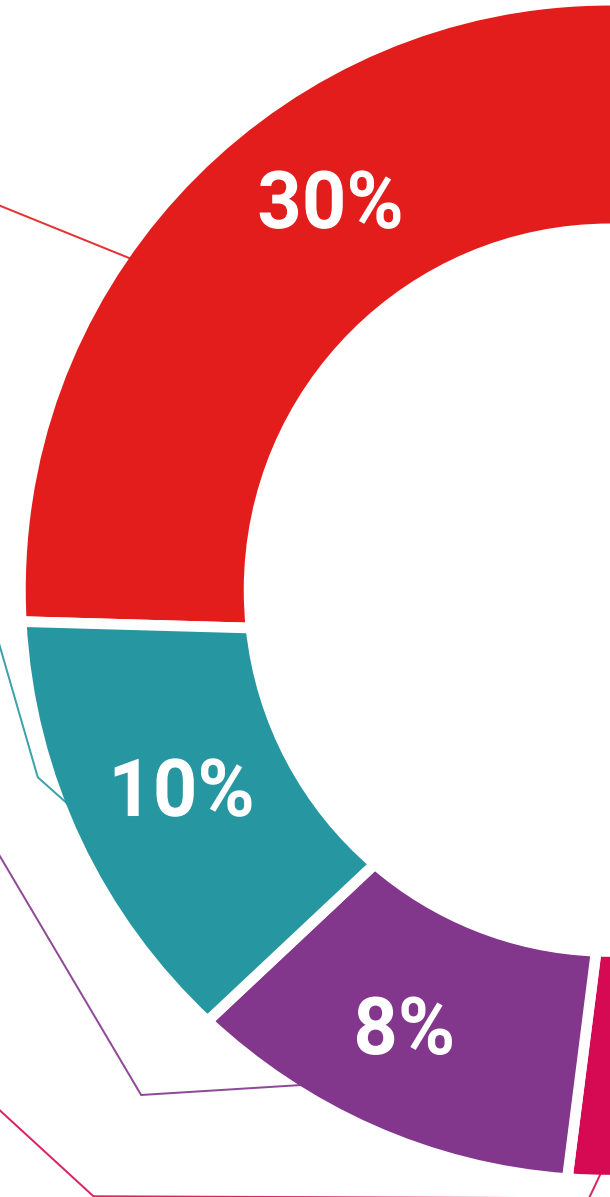
### Practising Skills and Abilities

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.





#### 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 Graphic Expression in Landscape Architecture guarantees students, in addition to the most rigorous and up-to-date education, access to a 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 program will allow you to obtain your **Postgraduate Certificate in Graphic Expression in Landscape Architecture** 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 Graphic Expression in Landscape Architecture**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development language  
virtual classroom



## Postgraduate Certificate Graphic Expression in Landscape Architecture

- › Modality: online
- › Duration: 6 weeks
- › Certificate: TECH Global University
- › Credits: 6 ECTS
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