

# Postgraduate Certificate Digital Design Tools





## Postgraduate Certificate Digital Design Tools

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

Website: [www.techtute.com/us/design/postgraduate-certificate/digital-design-tools](http://www.techtute.com/us/design/postgraduate-certificate/digital-design-tools)

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# 01

# Introduction

Digital tools have been applied in practically all sectors. In the field of fashion, it could not be any other way and, therefore, more and more people are using digital programs to create images of their designs, or edit them to achieve the best results. Precisely, this TECH academic program has been designed to offer students the most specific education in this field, so they can take advantage of new technologies to confidently apply them to their daily work.



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*There are digital tools that are very useful for fashion design professionals, as they allow them to act more confidently and effectively”*



Fashion designers have a large number of digital tools at their disposal that are very useful for their work. These specific programs for designers focus mainly on the use and retouching of images, a fundamental aspect for those who constantly work with images and need them to show every detail of their work. To improve professional skills in this sector, TECH has created a highly academic program, in which students will find the basis to move from traditional work, with sketches on paper, to a digital one, in which screens will be the basis to starting to create designs.

Specifically, this program in Digital Design Tools includes the most up to date information on the current educational panorama, including the most relevant aspects of digital and vectorial images, and their relationship with colors; BITS maps; editorial project composition; layout and printing, among other fundamental aspects in this field.

In short, TECH aims to meet the high specialization objective demanded by fashion designers, who are looking for high quality programs to improve their skills and offer users garments that will become indispensable for their closet. And, to achieve this goal, it offers students a cutting-edge program adapted to the latest developments in the industry, with an absolutely current curriculum developed by experienced professionals willing to put all their knowledge at the disposal of their students. It should be noted that since it is a 100% online program, students are not conditioned by fixed schedules or the need to move to another physical location, but can access the contents at any time of the day, balancing their professional and personal life with their academic life.

This **Postgraduate Certificate in Digital Design Tools** contains the most complete and up-to-date program on the market. The most important features include:

- ◆ Practical cases presented by experts in fashion
- ◆ 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 self-assessment can be used to improve learning
- ◆ Special emphasis on innovative methodologies in Digital Design Tools
- ◆ 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



*New technologies have reached the fashion industry, offering you a multitude of tools to facilitate your daily work"*

“*Don't miss the opportunity to improve your skills thanks to this Postgraduate Certificate that you can easily combine with the rest of your obligations as it is totally online”*

The program's teaching staff includes professionals from the fashion industry, who contribute with their work experience, as well as renowned specialists from leading companies 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 specialization for 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 academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

*TECH is the leading online university in Spanish and puts all its resources at your disposal to help you improve your daily practice.*

*A state-of-the-art program adapted to the needs of 21st century professionals.*



# 02 Objectives

This Postgraduate Certificate in Digital Design Tools is aimed at facilitating professionals' performance to acquire and learn the main latest developments in this field, which will allow them to practice their daily work with the highest quality and professionalism. In this way, they will be better prepared to develop successfully in a booming sector in which new concepts and trends are constantly emerging and must be recognized and applied by professionals.





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*TECH's main objective is to help you achieve your educational and professional goals”*



## General Objectives

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- ◆ Obtain a detailed knowledge of fashion design that will be relevant to the work of professionals who wish to develop in this current field
- ◆ Create attractive fashion designs
- ◆ Use digital tools for fashion design, from sketching to image retouching

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*If you want to reach the professional goal you desire, don't miss the opportunity to continue studying at TECH”*





## Specific Objectives

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- ◆ Know the most important software in the current context of design
- ◆ Master the vocabulary, methodologies and theoretical-practical content on digital and vectorial imaging
- ◆ Understand image retouching and manipulation software and develop the skills required to use it
- ◆ Understand vector drawing software and develop the skills required to use it
- ◆ Understand editorial design software and develop the skills to create final artwork of your own



# 03

## Structure and Content

The contents of this Postgraduate Certificate covers, in a structured way, all the areas of knowledge that fashion professionals need to know in-depth, including the most interesting developments and latest advances in the sector. A high-quality program that will allow students to compete with solvency and sufficient capacity in a highly competitive industry. To this purpose, the syllabus has been designed by professionals with extensive experience who have captured all their expertise in a program that will be indispensable in professionals' résumés in the 21st century.





“ Learn about the main digital design tools thanks to this very comprehensive program”



## Module 1. Digital Design Tools

- 1.1. Introduction to Digital Imaging
  - 1.1.1. ICT
  - 1.1.2. Description of Technologies
  - 1.1.3. Commands
- 1.2. Vector Image. Working with Objects
  - 1.2.1. Selection Tools
  - 1.2.2. Grouping
  - 1.2.3. Align and Distribute
  - 1.2.4. Intelligent Guides
  - 1.2.5. Symbolism
  - 1.2.6. Transform
  - 1.2.7. Distortion
  - 1.2.8. Enclosures
  - 1.2.9. Tracehunter
  - 1.2.10. Compound Forms
  - 1.2.11. Compound Plots
  - 1.2.12. Cutting, Splitting and Separating
- 1.3. Vector Image Color
  - 1.3.1. Color Modes
  - 1.3.2. Dropper Tool
  - 1.3.3. Samples
  - 1.3.4. Gradients
  - 1.3.5. Motif Filling
  - 1.3.6. Appearance Panel
  - 1.3.7. Attributes
- 1.4. Vector image. Advanced Editing
  - 1.4.1. Gradient Mesh
  - 1.4.2. Transparency Panel
  - 1.4.3. Fusion Modes
  - 1.4.4. Interactive Tracing
  - 1.4.5. Clipping Masks
  - 1.4.6. Text:
- 1.5. Image Map of BITS. Layers
  - 1.5.1. Creation
  - 1.5.2. Liaison
  - 1.5.3. Transformation
  - 1.5.4. Grouping
  - 1.5.5. Adjustment Layers
- 1.6. Image Map of BITS. Selections, Masks and Channels
  - 1.6.1. Frame Selection Tool
  - 1.6.2. Lasso Selection Tool
  - 1.6.3. Magic Wand Tool
  - 1.6.4. Menu Selections. Color Range
  - 1.6.5. Channels
  - 1.6.6. Mask Retouching
  - 1.6.7. Clipping Masks
  - 1.6.8. Vector Masks
- 1.7. Image Map of BITS. Blending Modes and Layer Styles
  - 1.7.1. Layer Styles
  - 1.7.2. Lens Opacity
  - 1.7.3. Layer Style Options
  - 1.7.4. Fusion Modes
  - 1.7.5. Examples of Fusion Modes



- 1.8. Editorial Project. Types and Forms
  - 1.8.1. Editorial Project
  - 1.8.2. Editorial Project Typology
  - 1.8.3. Document Creation and Configuration
- 1.9. Compositional Elements of the Editorial Project
  - 1.9.1. Master Pages
  - 1.9.2. Reticulation
  - 1.9.3. Text Integration and Composition
  - 1.9.4. Image Integration
- 1.10. Layout, Export and Printing
  - 1.10.1. Layout
    - 1.10.1.1. Photo Selection and Editing
    - 1.10.1.2. Preliminary Check
    - 1.10.1.3. Packaging
  - 1.10.2. Export
    - 1.10.2.1. Export for Digital Media
    - 1.10.2.2. Export for Physical Media
  - 1.10.3. Print
    - 1.10.3.1. Traditional Printing
      - 1.10.3.1.1. Binding
    - 1.10.3.2. Digital Printing

“ *This academic journey will be a quality bonus for your personal and professional growth*”

# 04

# 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 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.



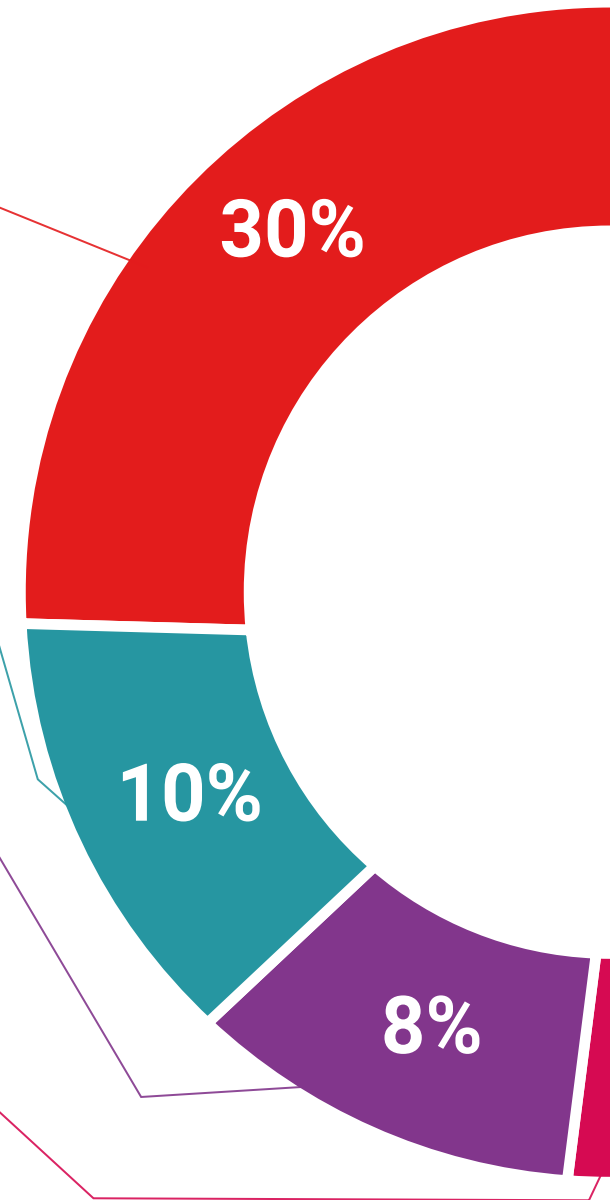
### Practising Skills and Abilities

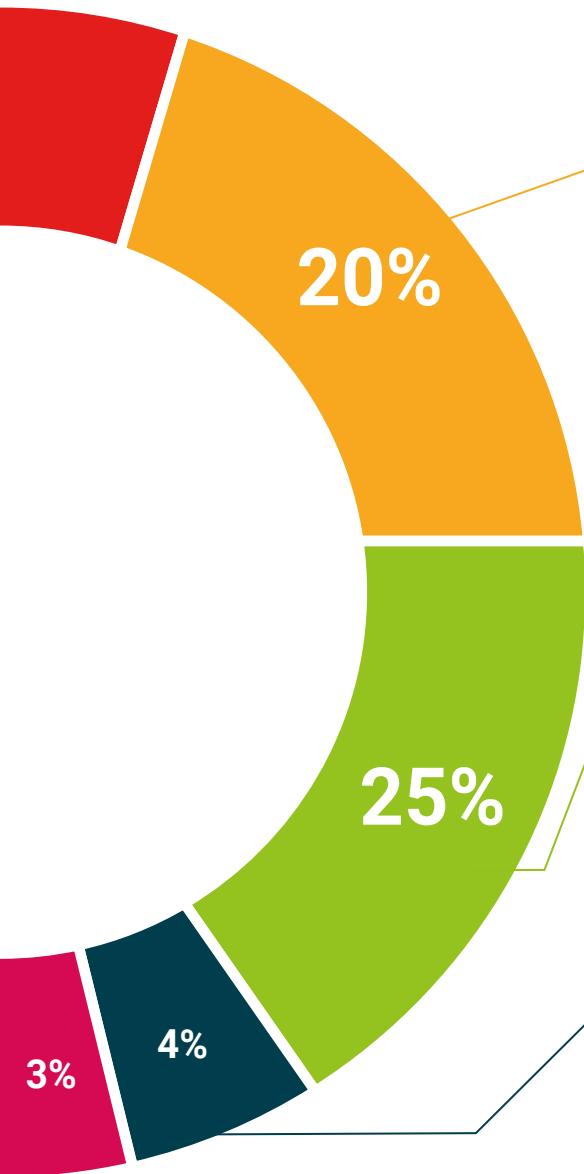
They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



### 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.





# 05 Certificate

This Postgraduate Certificate in Digital Design Tools guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



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

This **Postgraduate Certificate in Digital Design Tools** 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 Digital Design Tools**

Official N° of Hours: **150 h.**



\*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.

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



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



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