

# Postgraduate Certificate

## Sustainable Fashion: Clothing Design, Production and Recycling





## Postgraduate Certificate Sustainable Fashion: Clothing Design, Production and Recycling

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

Website: [www.techtute.com/us/design/postgraduate-certificate/sustainable-fashion-clothing-design-production-recycling](http://www.techtute.com/us/design/postgraduate-certificate/sustainable-fashion-clothing-design-production-recycling)

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# 01

# Introduction

The concept of sustainability is fully immersed in different areas of life. In the case of fashion, the commitment to environmental protection, the proper use of natural resources and fair trade, among other aspects, is growing every day. For this reason, the consumption of recycled and local materials is constantly increasing, with the main objective of preserving nature and ensuring that future generations can enjoy it. Undoubtedly, this TECH program is a firm commitment to provide with the necessary knowledge to fashion professionals, allowing them to use more environmentally friendly techniques and in accordance with the needs of the fashion industry.





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*In the 21st century, the commitment to sustainability must be the basis of the fashion industry, in order to promote a more environmentally friendly use of textiles”*

The fashion industry is a globalized sector, as it depends on producers, raw materials and international trade. All this makes it necessary for processes to be increasingly sustainable, opening the door to a market that sees environmental preservation and fair trade as the goal to follow. To this end, the fashion business must focus on three key aspects: environmental care, protection of workers and the use of ecological materials that do not cause side effects on consumers. By following these premises, it will be possible to strive to make the fashion industry more competitive and, above all, to follow the environmental criteria on which today's society is based.

In order to offer professionals in this field the most up-to-date education in this field, TECH has designed an absolutely innovative program, which covers concepts of great relevance in the fashion field. In this way, students will learn, firsthand, how sustainable fashion has been developing and where it is heading, and, for this, it focuses on the life cycle of a garment; program obsolescence and responsible consumption; regulations on textile quality and safety; sustainable design, production and distribution; or recycling; to culminate with an introduction to the knowledge of the main designers of sustainable fashion.

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, being a 100% online Postgraduate Certificate, students will not be conditioned by fixed schedules or the need to move to another physical location, but will be able to access all the contents at any time of the day, balancing their work and personal life with their academic one.

This **Postgraduate Certificate in Sustainable Fashion: Clothing Design, Production and Recycling** 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 practical information on the disciplines that are essential for professional practice
- ◆ Practical exercises where self-assessment can be used to improve learning
- ◆ Its special emphasis on innovative methodologies in fashion sustainability
- ◆ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ◆ Content that is accessible from any fixed or portable electronic device with an Internet connection



*This Postgraduate Certificate will provide you with the necessary tools to make higher-quality drawings with which to show your designs in a faithful way*

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*In this program you will find the most innovative teaching methodology of the moment and a multitude of theoretical and practical resources that will make your study easier”*

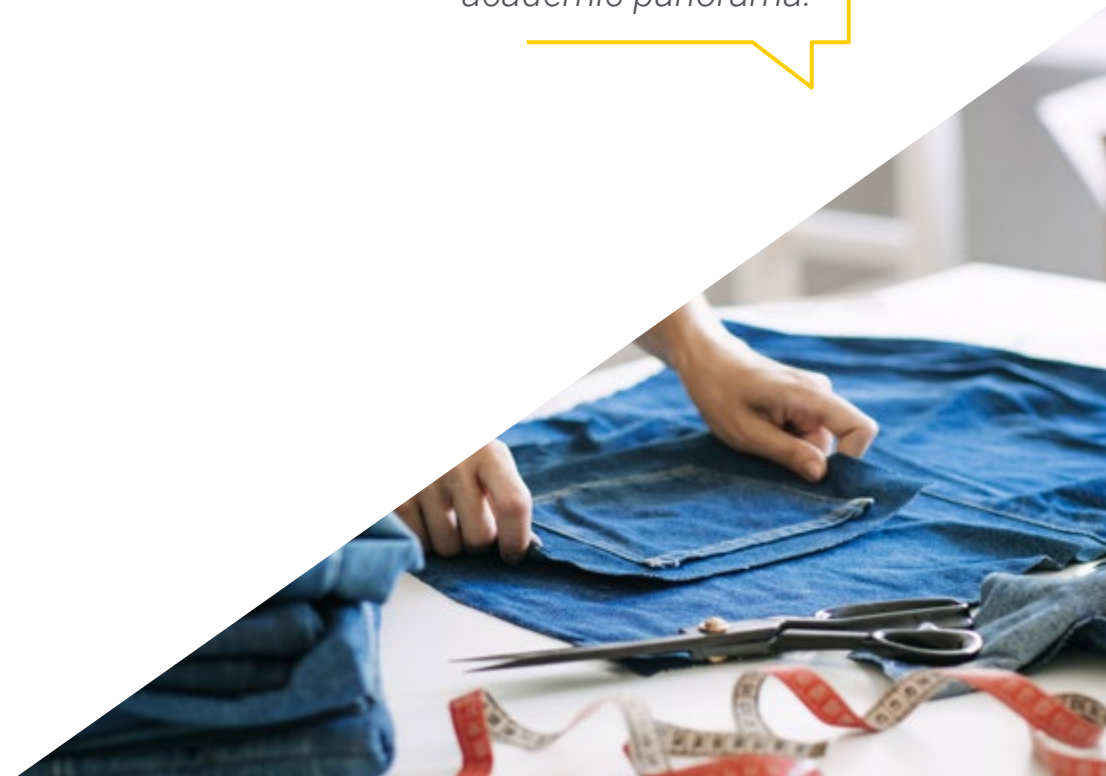
The program's teaching staff includes professionals from the fashion industry, who contribute with their work experience, as well as renowned specialists from leading companies and prestigious universities.

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

*This Postgraduate Certificate in digital format will be indispensable to make your CV more competitive.*

*TECH is committed to high-quality education and, therefore, offers you the best program in the current academic panorama.*



# 02 Objectives

This Postgraduate Certificate in Sustainable Fashion: Clothing Design, Production and Recycling is oriented to facilitate the performance of the professionals to acquire and know the main novelties in this field, which will allow him to perform his daily work with the highest quality and professionalism. In this way, they will be better qualified 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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*A state-of-the-art program designed to delve into and bet on sustainable fashion”*



## 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
- ◆ Be able to design successful fashion projects
- ◆ Apply sustainable criteria to the production of fashion garments
- ◆ Bet on sustainable fashion as a basis for the protection of the environment and the reduction of environmental impacts



*This program will clearly meet your educational objectives, thanks to the quality of its content and teaching staff*





## Specific Objectives

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- ◆ Understand that the current human lifestyle creates unsustainable consumers
- ◆ Acquire and incorporate environmental and sustainability criteria in the design conception and development phase
- ◆ Learn about preventive and appropriate measures to reduce environmental impact
- ◆ Use sustainability as a requirement in the design methodology
- ◆ Provide students with natural and environmentally friendly sources inspiration

# 03

## Structure and Content

The content on this Postgraduate Certificate is structured to cover all the areas of knowledge that fashion professionals must study in depth, including the most interesting news and updates in the field. A high-quality study 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 résumés of professionals in the 21st century.





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*This comprehensive TECH program will allow you to delve into the most innovative concepts of sustainable fashion”*

## Module 1. Sustainability in Fashion

- 1.1. Reconsider Fashion Design
  - 1.1.1. The Supply Chain
  - 1.1.2. Main Aspects
  - 1.1.3. Development of Sustainable Fashion
  - 1.1.4. Future of Fashion
- 1.2. Life Cycle of an Item of Clothing
  - 1.2.1. Think in the Life Cycle
  - 1.2.2. Actions and Impact
  - 1.2.3. Evaluation Tools and Models
  - 1.2.4. Strategies for Sustainable Design
- 1.3. Quality and Safety Standards in the Textile Sector
  - 1.3.1. Quality
  - 1.3.2. Labelling
  - 1.3.3. Safety of Garments
  - 1.3.4. Consumption Inspections
- 1.4. Planned Obsolescence
  - 1.4.1. Planned Obsolescence and Waste of Electrical and Electronic Devices
  - 1.4.2. Extraction of Resources
  - 1.4.3. Waste Generation
  - 1.4.4. Recycling and Reusing Electrical Waste
  - 1.4.5. Responsible Consumption
- 1.5. Sustainable Design
  - 1.5.1. Garment Design
  - 1.5.2. Design With Empathy
  - 1.5.3. Selection of Fabric, Materials and Techniques
  - 1.5.4. Use of Monomaterials
- 1.6. Sustainable Production
  - 1.6.1. Sustainable Production
  - 1.6.2. Techniques For Zero Waste
  - 1.6.3. Construction
  - 1.6.4. Design to Last
- 1.7. Sustainable Distribution
  - 1.7.1. Suppliers and Producers
  - 1.7.2. Commitment to Local Communities
  - 1.7.3. Sales
  - 1.7.4. Design According to Need
  - 1.7.5. Inclusive Fashion Design
- 1.8. Sustainable Use of the Garment
  - 1.8.1. Patterns of Use
  - 1.8.2. How to Reduce Washing
  - 1.8.3. Adjustments and Maintenance
  - 1.8.4. Design for Adjustments
  - 1.8.5. Modular Garment Design
- 1.9. Recycling
  - 1.9.1. Reusing and Remanufacturing
  - 1.9.2. Revaluing
  - 1.9.3. Recycling Materials
  - 1.9.4. Closed Cycle Production
- 1.10. Sustainable Fashion Designers
  - 1.10.1. Katharine Hamnett
  - 1.10.2. Stella McCartney
  - 1.10.3. Annika Matilda Wendelboe
  - 1.10.4. Susan Dimasi
  - 1.10.5. Isabell de Hillerin



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*This program will allow you to carry out a contextual study for sustainable fashion”*

# 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.



*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.



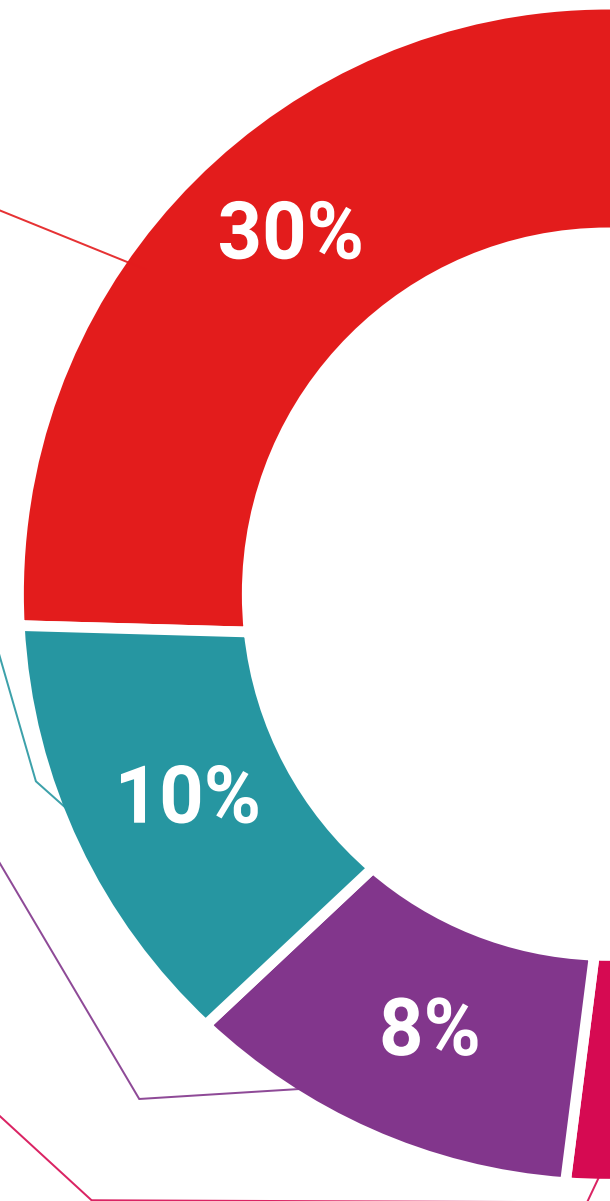
### Practising Skills and Abilities

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.



# 05 Certificate

The Postgraduate Certificate in Sustainable Fashion: Clothing Design, Production and Recycling 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 Postgraduate Certificate without having to travel or fill out laborious paperwork”*

This program will allow you to obtain your **Postgraduate Certificate in Sustainable Fashion: Clothing Design, Production and Recycling** 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 Sustainable Fashion: Clothing Design, Production and Recycling**

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 Sustainable Fashion: Clothing Design, Production and Recycling

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

Sustainable Fashion: Clothing Design,  
Production and Recycling



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