Postgraduate Certificate

Digital Postproduction

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Postgraduate Certificate

Digital Postproduction

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

Website: www.techtitute.com/us/journalism-communication/postgraduate-certificate/digital-postproduction

Index

01
Introduction
p. 4

02
Objectives
p. 8

03
Structure and Content
p. 12

04
Study Methodology
p. 16

05
Certificate
p. 26

01

Introduction

Audiovisual projects are characterized by covering a broad global job market, making it essential to stay up to date. The field of postproduction, the finishing touch, and the refinement of any audiovisual product is developing in the digital realm with unstoppable growth. Thanks to this program, the student will acquire a comprehensive set of essential skills in this field through a completely online study methodology, offering the opportunity to train without the need to travel, allowing students to adjust their schedules to their own needs.

Learn everything you need to become an expert in Digital Postproduction with the most complete program on the market"

In an increasingly digitalized world, it is imperative to find qualified professionals. This is due to the emergence of new digital platforms, which have forced the film industry to create new job positions in order to meet the high demand for required specialists. Furthermore, there is an expected exponential growth in the next five years, making the need for hiring experts imminent.

To address the problem of the high demand for experts in this field, TECH has created this program with the most up-to-date syllabus, designed by the most experienced instructors, and using the most comprehensive methodology. This ensures that graduates can respond to this demand in a competent and efficient manner. The 180 hours of this qualification will dramatically increase the opportunities for entering a job market where the demand for specialized professionals continues to rise.

Through fully updated audiovisual content and the supervision of the best experts in the field, this training will provide students with the most cutting-edge knowledge in Digital Postproduction to achieve all their professional goals. Thanks to its 100% online format, this program allows students to decide when and how they want to acquire the best skills, adapting the training to their schedules and lifestyle, and enabling them to connect from anywhere with any device that has an internet connection.

All the aspects that a professional in the audiovisual field must know about working with Digital Postproduction media"

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

- The latest technology in online teaching software
- A highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand
- Practical cases presented by practicing experts
- State-of-the-art interactive video systems
- Teaching supported by telepractice
- Continuous updating and recycling systems
- Autonomous learning: full compatibility with other occupations
- Practical exercises for self-evaluation and learning verification
- Support groups and educational synergies: questions to the expert, debate and knowledge forums
- Communication with the teacher and individual reflection work
- Content that is accessible from any fixed or portable device with an Internet connection
- Supplementary documentation databases are permanently available, even after the program

We don't settle for theory: we take you to the most practical and competent expertise"

A contextualized and real educational program that will allow you to put your learning into practice through new skills.

The specific way of working with digital edition, in a program of high interest for the professional in this area.

Our teaching staff is made up of working professionals. In this way TECH ensures to offer you the updating objective it intends. A multidisciplinary team of professors trained and experienced in different environments, who will develop theoretical knowledge in an efficient way, but, above all, will bring their practical knowledge derived from their own experience to the course: one of the differential qualities of this training.

This mastery of the subject is complemented by the effectiveness of the methodology used in the design of this course. Developed by a multidisciplinary team of e-Learning experts, it integrates the latest advances in educational technology. In this way, students will be able to study with a range of convenient and versatile multimedia tools that will give them the operational skills they need for their qualification.

The design of this program is based on Problem-Based Learning: an approach that views learning as a highly practical process. To achieve this remotely, TECH will use telepractice: with the help of an innovative interactive video system and Learning from an Expert, the student will be able to acquire the knowledge as if they were facing the scenario they are learning at that moment. A concept that will allow students to integrate and memorize what they have learn in a more realistic and permanent way.

02

Objectives

The objectives that TECH proposes in each of its programs are focused on achieving a global impulse to the development of its students, not only in the academic field, in which the highest quality standards are set, but also in the personal field. To this end, TECH offers a stimulating and flexible development that allows students to achieve the satisfaction of completing their goals in an effective manner.

Learn in an efficient and stimulating way and achieve your professional goals with the quality of a high-impact program"

General Objective

- Learn all the specific aspects of digital postproduction by converting all theoretical learning into skills

We boost your professional growth with this program in Digital Postproduction supporting your development with the highest quality products"

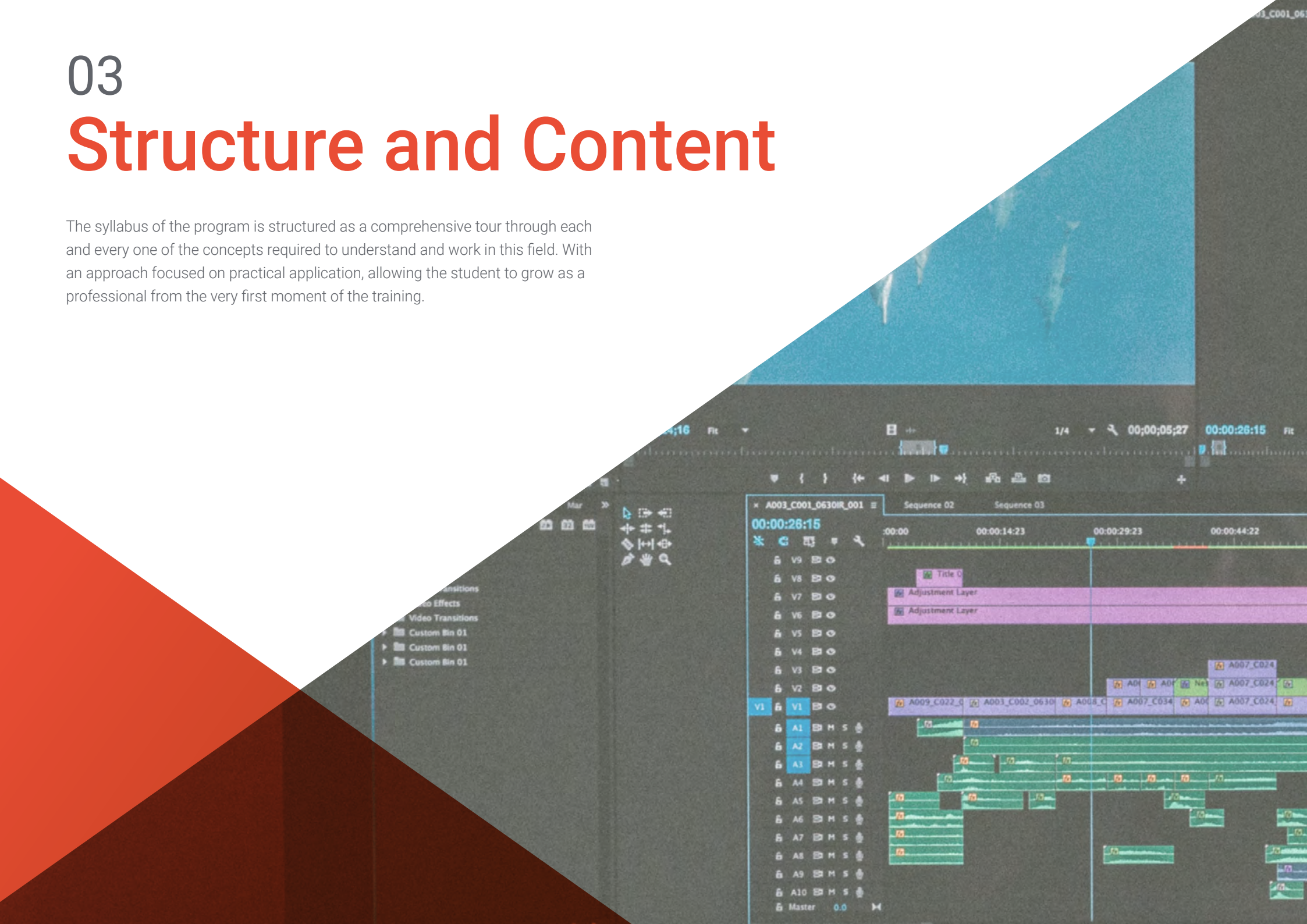
Specific Objectives

- Learn about the main theories and techniques of editing and postproduction with a historical perspective in the field of audiovisual communication
- Theoretical knowledge of the technology involved in capturing and handling images and sounds Equipment and formats
- Be able to make decisions and operate with video cameras and sound recording equipment
- Get to know the central aspects of editing and postproduction in the field of aaudiovisual communication
- Learn where the editor and postproducer of the company or audiovisual project fits in
- Gain knowledge about how to operate with digital editing and postproduction equipment
- Explore the different fields of post-production that can influence audiovisual production
- Be prepared to join and adapt to a professional audiovisual team

03

Structure and Content

The syllabus of the program is structured as a comprehensive tour through each and every one of the concepts required to understand and work in this field. With an approach focused on practical application, allowing the student to grow as a professional from the very first moment of the training.



A comprehensive syllabus focused on acquiring knowledge and converting it into real skills, created to propel you to excellence"

Module 1. Digital Postproduction

1.1. The Digital Video Archive
- 1.1.1. Film: From Photochemical to Digital Cinema
- 1.1.2. Television: From Analog to Digital
- 1.1.3. The Digital Signal: Digital Image Coding
- 1.1.4. Basic Concepts
- 1.1.5. Digital Image Attributes
- 1.1.6. Digital Image Quality

1.2. The Photo and Video Camera I: Image Capturing
- 1.2.1. Traditional Capturing Process
- 1.2.2. Camera Parts
- 1.2.3. The Digital Camera: Common Elements
- 1.2.4. Differentiating Elements

1.3. The Photo and Video Camera II: Image Capturing
- 1.3.1. Camera Operation Description
- 1.3.2. Digital Composition
- 1.3.3. Exposure Control
- 1.3.4. Focus
- 1.3.5. Automatic Controls
- 1.3.6. Types of Shots
- 1.3.7. Framing the Shot
- 1.3.8. The Basic Elements of Composition
- 1.3.9. Video Recording
- 1.3.10 Light and Illumination
  - 1.3.10.1. Filters and Effects
- 1.13.11 Camera Care

1.4. Video Editing: Editing I
- 1.4.1. Film End Processes
- 1.4.2. Types of Editing: Analytical, Post-Classical and Contemporary (MTV Editing)
- 1.4.3. The Traditional Assembly Process

1.5. Video Editing: Editing II
- 1.5.1. The Editing Table
- 1.5.2. The Editing Programs
- 1.5.3. Editing Codecs
- 1.5.4. Rendering
- 1.5.5. Importing the Material: Naming, Classification and Synchronization of Material

1.6. Video Editing: Post-Production
- 1.6.1. The Leap from Linear to Non-Linear Editing
- 1.6.2. Formats
- 1.6.3. Exporting or Dumping of an Online Project
- 1.6.4. Compression
- 1.6.5. Color Correction
- 1.6.6. Visual Effects and Their Main Families
- 1.6.7. Computer-Generated Image Embedding (CGI)
- 1.6.8. Post-Production Digital Compositing Programs: Combustion, Flame, Smoke and After Effect

1.7. Sound Audio Capturing and Editing
- 1.7.1. Sound Qualities: Loudness, Pitch (Frequency) and Timbre
- 1.7.2. Basic Concepts
- 1.7.3. The Importance and Weight of Sound
- 1.7.4. Sound Standards
- 1.7.5. The Soundtrack
- 1.7.6. Premiere Audio Effects
- 1.7.7. Sound for UHD Video and 4K cinema

1.8. Television Set Technologies
- 1.8.1. Digital Television: Characteristics
- 1.8.2. Coding Standards, Audio and Video Formats
- 1.8.3. Audio and Video Connectors
- 1.8.4. Style Guide and Graphics in Television: Channel, Program and Graphic Elements
- 1.8.5. Technical Means Applied to Television Graphics
- 1.8.6. Interactive Television Production

1.9. Post-Production for Interactive Media
- 1.9.1. The Interactive Multimedia Work; Interactivity
- 1.9.2. Constituent Elements of the Hypermedia Language (Syntax or Navigation, Format of a Hypermedia Work, Hypermedia Genres)
- 1.9.3. Implementation of a Hypermedia Project Software for DVD Authoring
- 1.9.4. Main Authoring Software
- 1.9.5. Apple DVD Studio

1.10. New Technologies in Audiovisual Creation
- 1.10.1. High Dynamic Range in Digital Video
- 1.10.2. 3D Graphics 3D Modeling and Texturing
- 1.10.3. Digital Video Broadcasting on the Internet: *Streaming*

Study at your own pace, with the flexibility of a program that seamlessly combines learning with other commitments in a comfortable and realistic way"

04

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.

TECH will prepare you to face new challenges in uncertain environments and achieve success in your career"

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.
The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

"At TECH you will NOT have live classes (which you might not be able to attend)"

The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

> *TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want"*

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.

Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

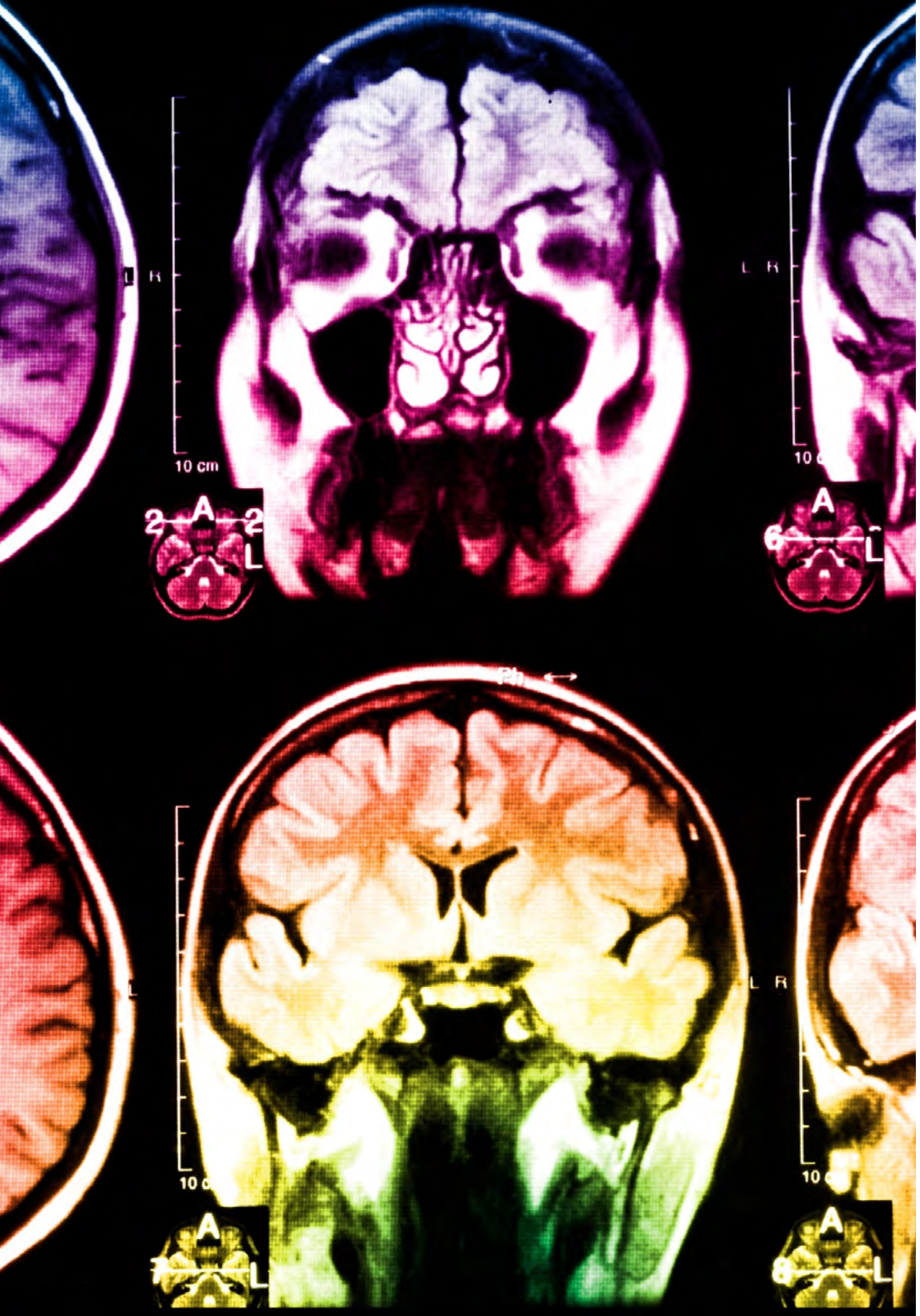
In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.

> *The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule"*

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.

As such, the best educational materials, thoroughly prepared, will be available in this program:

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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.

Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.

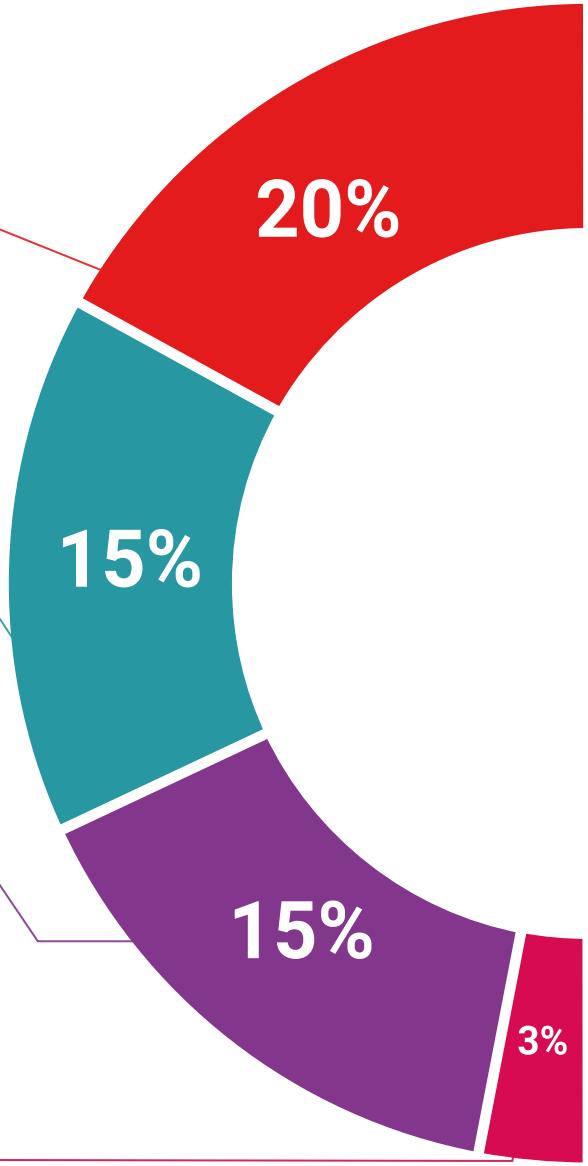
Interactive Summaries

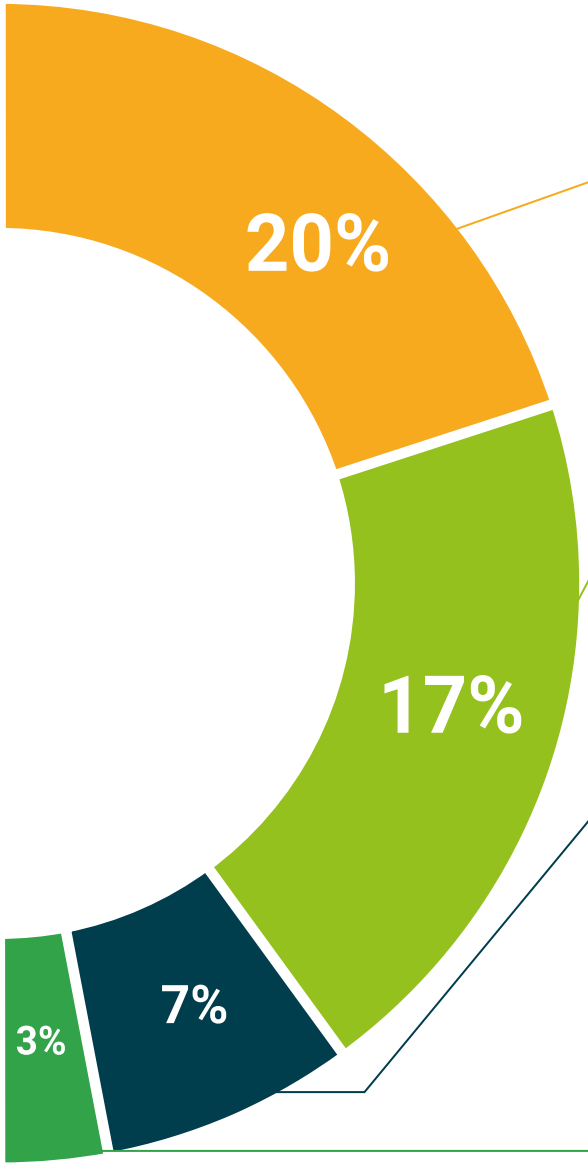
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





Case Studies

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.

Testing & Retesting

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.

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 for future difficult decisions.

Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical and effective way to help students progress in their learning.

05

Certificate

This Postgraduate Certificate in Digital Postproduction guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the 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 private qualification will allow you to obtain a diploma for the **Postgraduate Certificate in Digital Postproduction** 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** private qualification, 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 Digital Postproduction**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**

tech global university

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

Postgraduate Certificate in Digital Postproduction

This is a private qualification 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
Dean

Unique TECH Code: AFWORD23S techtitute.com/certificates

*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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Postgraduate Certificate

Digital Postproduction

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

Postgraduate Certificate
Digital Postproduction

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