

Postgraduate Certificate Specialized 2D Animation





Postgraduate Certificate Specialized 2D Animation

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

Website: www.techtute.com/us/videogames/postgraduate-certificate/specialized-2d-animation

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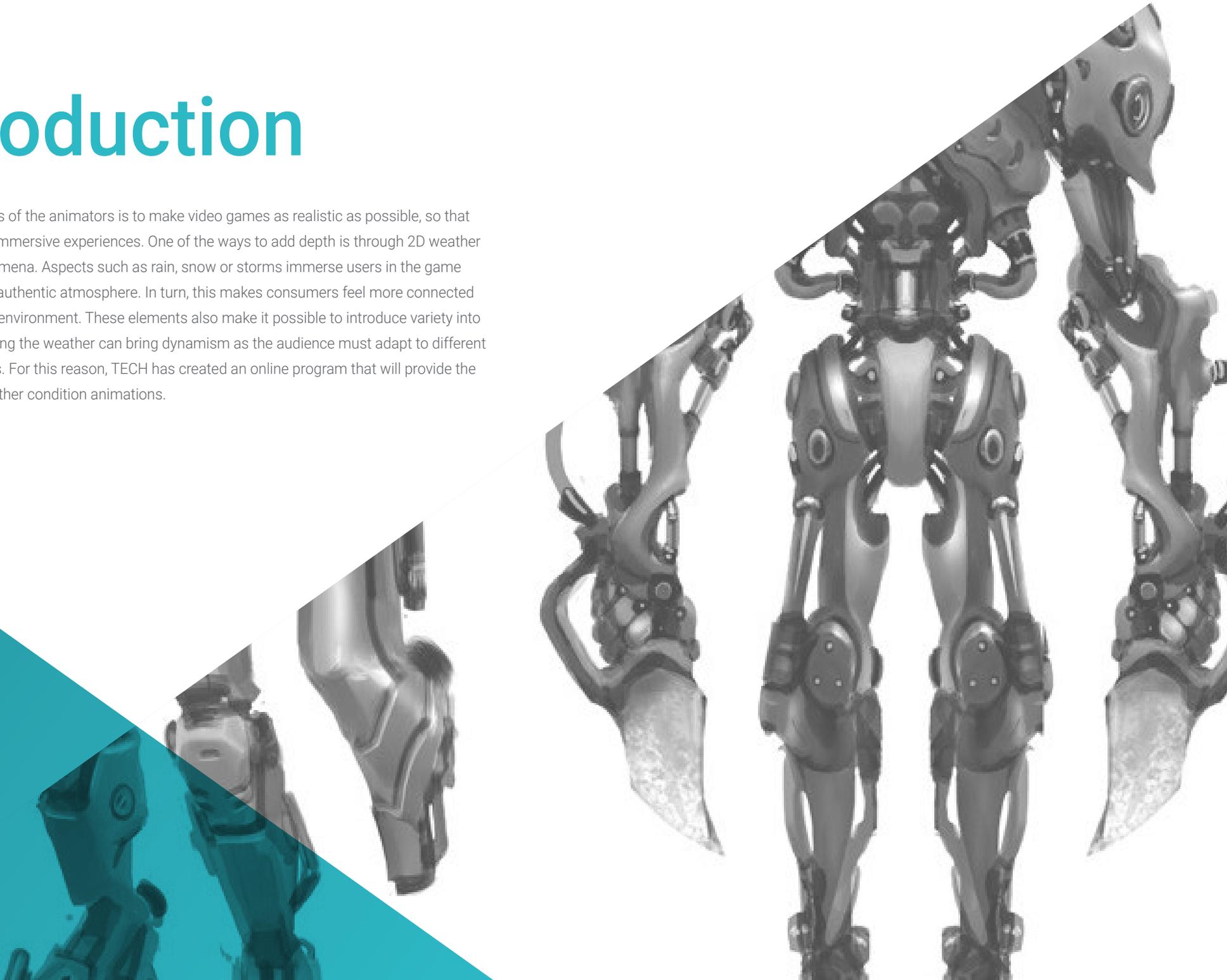
Certificate

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01

Introduction

One of the priorities of the animators is to make video games as realistic as possible, so that players have fully immersive experiences. One of the ways to add depth is through 2D weather and climate phenomena. Aspects such as rain, snow or storms immerse users in the game world, creating an authentic atmosphere. In turn, this makes consumers feel more connected to the video game environment. These elements also make it possible to introduce variety into the games. Changing the weather can bring dynamism as the audience must adapt to different weather conditions. For this reason, TECH has created an online program that will provide the keys to create weather condition animations.





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A complete and cutting-edge program that will allow you to advance in a progressive and complete way, from the comfort of your home”

Thanks to Specialized 2D Animation, artists are able to enrich video games with fantastic and science fiction special effects. In this way, they create high-impact resources that catch the attention of players. In this sense, they also develop special effects ranging from fire to flares. However, to do this, professionals need to have a solid knowledge of how to create Specialized Animations. In addition, they must acquire advanced skills to effectively use programs to bring their characters to life.

In this context, TECH is implementing a Postgraduate Certificate that will examine Specialized 2D Animation in detail. The syllabus will analyze the walking cycles of non-bipedal beings, as well as their practical movements. In turn, the syllabus will delve into the design of special effects such as viscous fluids, fires, lava or fire. In this sense, students will be able to create explosions, collapses and falls. On the other hand, the teaching materials will delve into different lighting effects and shadow casting. This will enable graduates to create unique and highly creative pieces to stand out in the video game industry.

It should be noted that the approach of this program reinforces its innovative character. In this line, TECH offers a 100% online educational setting, tailored to the needs of busy professionals looking to advance their careers. Through the Relearning methodology, based on the repetition of key concepts to fix knowledge and facilitate learning, flexibility is combined with a robust pedagogical approach. In addition, graduates will have access to an extensive library of innovative multimedia resources. The only thing students will need is an electronic device with an Internet connection (a mobile phone, tablet or computer). This will allow them to enter the Virtual Campus and immerse themselves in an educational experience that will take their professional horizons to the next level.

This **Postgraduate Certificate in Specialized 2D Animation** 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 2D Animation
- ♦ The graphic, schematic and practical contents with which it is conceived gather practical theoretical information on those 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 create animations that stand out for their science fiction special effects”

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Thanks to the revolutionary Relearning methodology, you will integrate all the knowledge in an optimal way to successfully achieve the results you are looking for"

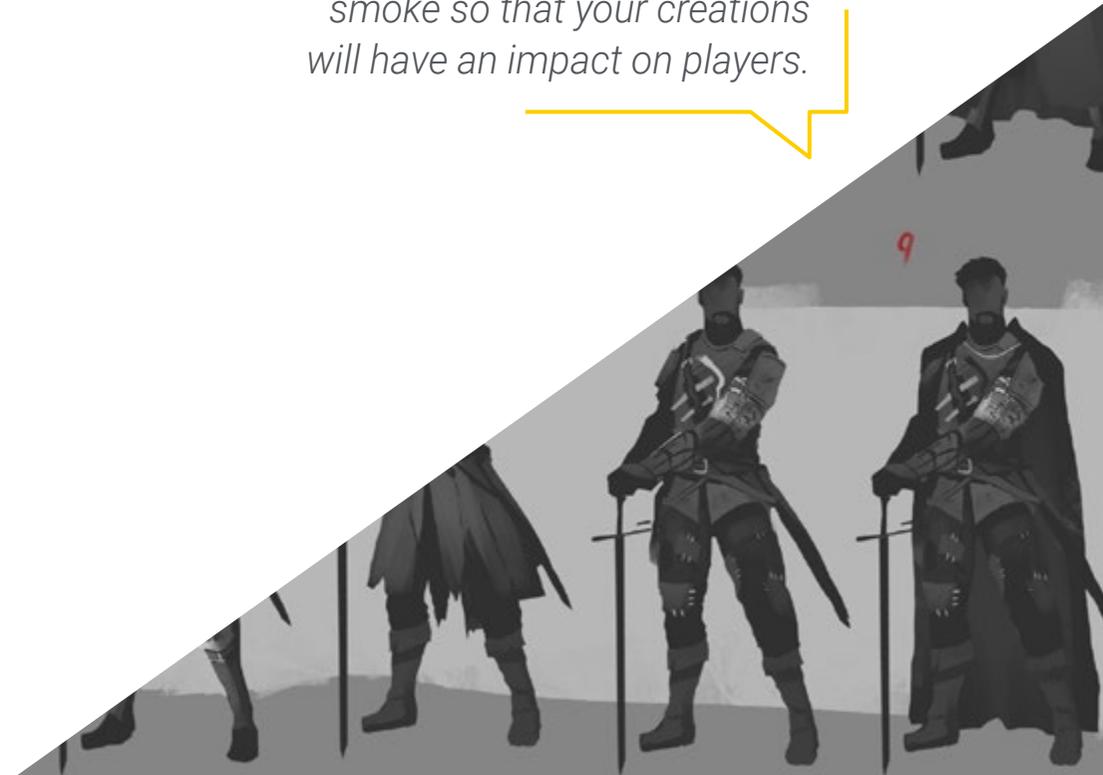
The program's teaching staff includes professionals from the industry who contribute their work experience to this program, as well as renowned specialists from leading societies and prestigious universities.

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 prepare for real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

Do you want to specialize in the Animation of Meteorological and Climate Phenomena? Achieve it in just 6 weeks with this program.

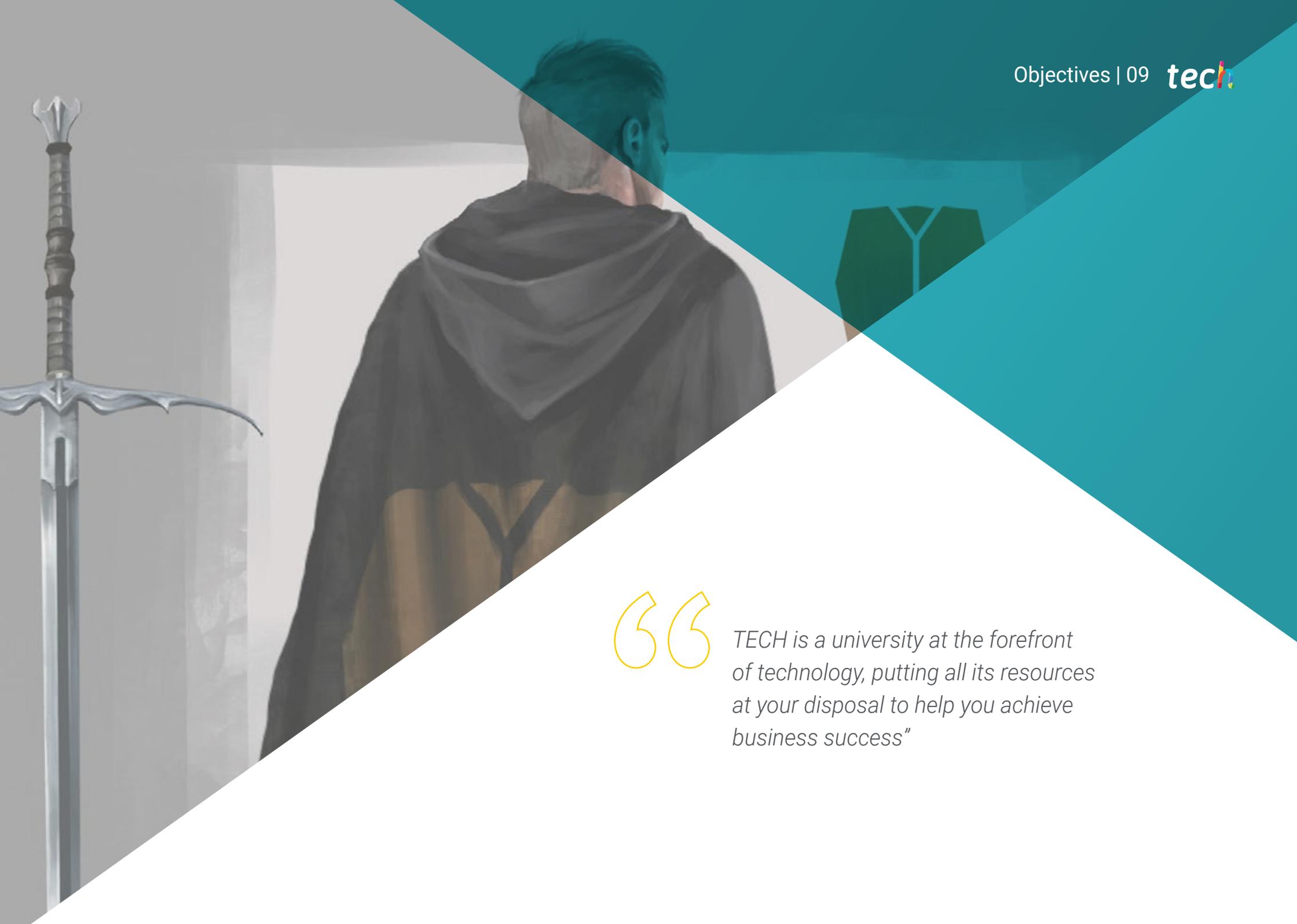
You will develop special effects such as fire and smoke so that your creations will have an impact on players.



02 Objectives

Through this educational program, graduates will apply Specialized 2D Animation techniques. In this way, they will focus on specific styles and genres to increase creative versatility in animated projects. In addition, they will acquire skills in the animation of fantastic beings, endowing them with unique movements, behaviors, and distinctive visual characteristics. They will also be qualified to design action scenes, maintaining fluidity, impact and coherence in the visual representation of rapid movements.





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TECH is a university at the forefront of technology, putting all its resources at your disposal to help you achieve business success”



General Objectives

- ♦ Master the visual language of 2D animation
- ♦ Apply the fundamental principles of 2D animation to create compelling and engaging sequences
- ♦ Research and apply trends and technological advances in 2D animation, keeping abreast of innovations and adapting practices to industry standards
- ♦ Encourage creativity and originality in the generation of concepts, characters and plots, promoting innovation and differentiation in animated projects
- ♦ Specialize in specific areas of animation, adapting skills to different styles and genres
- ♦ Master the pre-production phases to plan and conceptualize animated projects effectively
- ♦ Implement post-production techniques and marketing strategies to optimize the diffusion and impact of animated productions
- ♦ Analyze and assess one's own work and that of others, identifying areas for improvement and applying adjustments to optimize the final quality of animations





Specific Objectives

- Explore and apply advanced specialized animation techniques, focusing on specific styles and genres to broaden creative versatility in animated projects
- Develop skills in the animation of fantastic creatures and beings, addressing aspects such as unique movements, behaviors and distinctive visual characteristics
- Develop skills in the animation of action sequences, ensuring fluidity, impact and coherence in the visual representation of fast and exciting movements
- Apply specific animation techniques for video games, adapting the visual narrative and character movements to the dynamics and constraints of interactive animation

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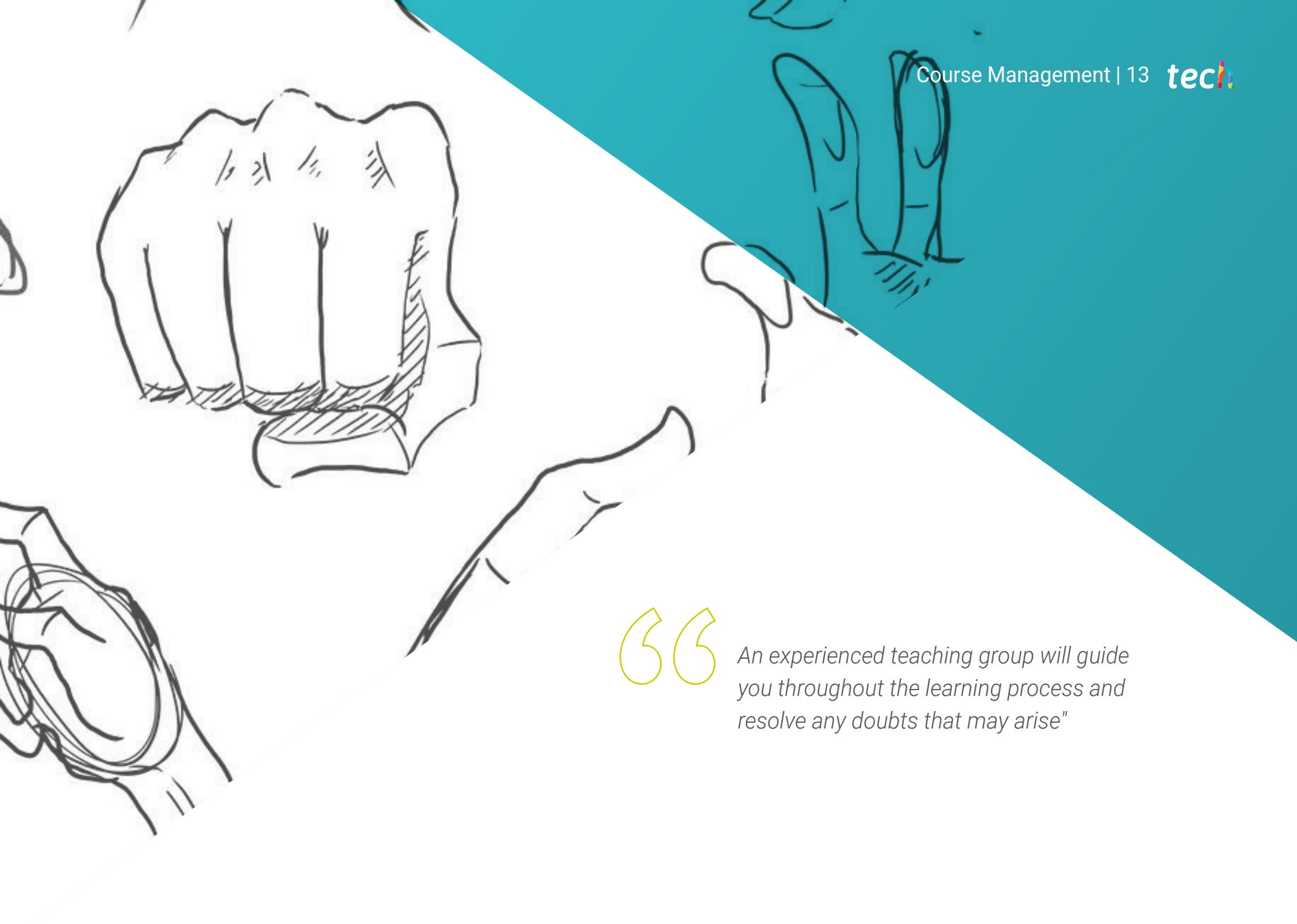
The current importance of Specialized 2D Animation makes this program a safe bet, with a market in continuous growth and full of possibilities”

03

Course Management

In line with its philosophy of offering the highest level of educational excellence, TECH relies on a prestigious teaching staff to deliver this program. These professionals have a solid knowledge of Specialized 2D Animation, as well as extensive professional experience in this field. It should be noted that, as part of their commitment to offering quality services, they remain at the technological forefront in order to implement the latest techniques in their procedures. Graduates will therefore have the guarantees they demand to keep up to date in a profession that is advancing by leaps and bounds.





“

An experienced teaching group will guide you throughout the learning process and resolve any doubts that may arise”

Management



Dr. Larrauri, Julián

- ♦ Executive Producer at Capitán Araña
- ♦ Managing Producer at Arcadia Motion Pictures
- ♦ Head of Production, Director and Writer at B-Water
- ♦ Executive Producer, Production Manager and Head of Development at Ilion Animation Studios
- ♦ Production Manager at Imira Entertainment
- ♦ Ph.D. in Humanities from the Rey Juan Carlos University
- ♦ Master's Degree in Executive Production of Films and Series by Audiovisual Business School
- ♦ Master's Degree in Communication and Advertising Management by ESIC
- ♦ Degree in Audiovisual Communication from Complutense University of Madrid
- ♦ Nominated as "Best Production Director" at the Goya Awards for "Mortadelo y Filemón contra Jimmy el Cachondo"



04

Structure and Content

This Postgraduate Certificate will provide graduates with techniques for creating eye-catching and surprising animations. To this end, the syllabus will delve into the application of special effects, including large bodies of water, fires and lava. The syllabus will also analyze in detail the animation of meteorological and climate phenomena. In this way, students will incorporate aspects such as snow, storms or wind into their video games. In addition, the teaching materials will enable students to create surprising effects such as explosions, falls and breakages.

The program will also examine shadow casting and lighting effects.





“

An expertly designed syllabus and quality content will be the key to your successful learning”

Module 1. Specialized Animation

- 1.1. Walking Cycles of Non-Bipedal Beings
 - 1.1.1. Quadrupeds
 - 1.1.2. Other Non-Plantigrade Animals
 - 1.1.3. Alternative Locomotion Cycles
- 1.2. Additional Practical Movements
 - 1.2.1. Flight Cycles
 - 1.2.2. Ladders, Weight Lifting, Drops
 - 1.2.3. Bumping, Interactions, Dancing
- 1.3. Special Effects, Fluids
 - 1.3.1. Small Bodies of Water
 - 1.3.2. Large Bodies of Water
 - 1.3.3. Viscous Fluids
- 1.4. Special Effects, Fire and Smoke
 - 1.4.1. Fire
 - 1.4.2. Smoke
 - 1.4.3. Fires, Flares and Lava
- 1.5. Animation of Weather and Climate Phenomena
 - 1.5.1. Rain, Thunderstorms and Lightning
 - 1.5.2. Snow and Wind
 - 1.5.3. Refractions
- 1.6. Fantastic and Science-Fiction Special Effects Animation
 - 1.6.1. Magic Effects
 - 1.6.2. Emphatic Effects
 - 1.6.3. Science Fiction Effects
- 1.7. Hair and Cloth Animation
 - 1.7.1. Hair
 - 1.7.2. Cloth
 - 1.7.3. Paper, Ropes and Others





- 1.8. Explosions, Collapses and Breakages
 - 1.8.1. Collapses
 - 1.8.2. Explosions
 - 1.8.3. Breakages
- 1.9. Light Effects and Shadow Projection
 - 1.9.1. Shadows on the Figure
 - 1.9.2. Lighting Effects
 - 1.9.3. Shadow Casting and Digitally Automated Shadows
- 1.10. Image Transitions and Transformations
 - 1.10.1. Image Transitions
 - 1.10.2. Extreme Deformations
 - 1.10.3. Orbits

“

Enroll now in a flexible university program, without fixed schedules and with content available 24 hours a day”

05

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.



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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

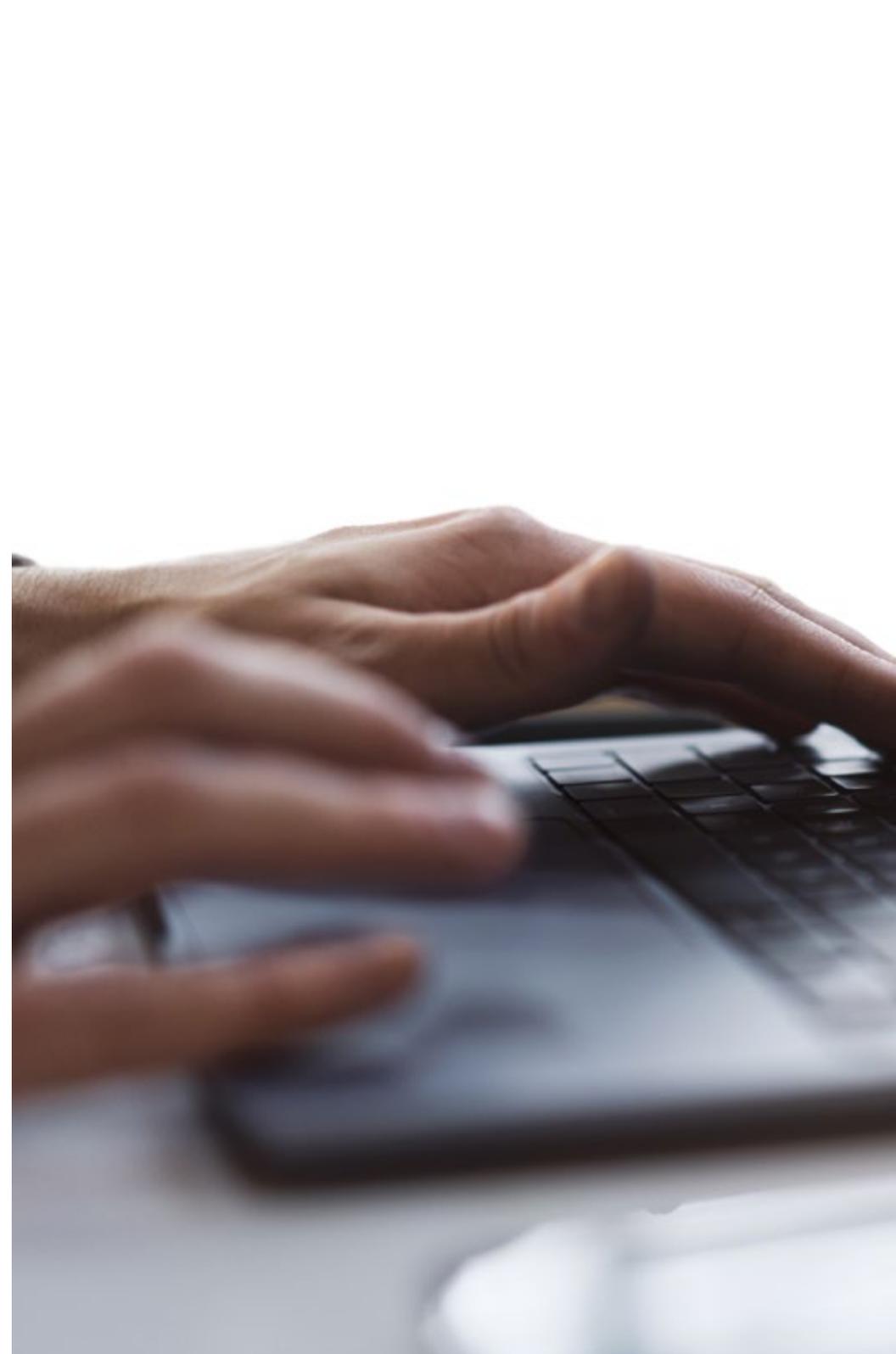
In TECH's study methodology, the student is the main protagonist.

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.

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*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 quality of teaching, quality of materials, course structure and objectives is excellent. Not surprisingly, the institution became the best rated university by its students on the Trustpilot review platform, 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.



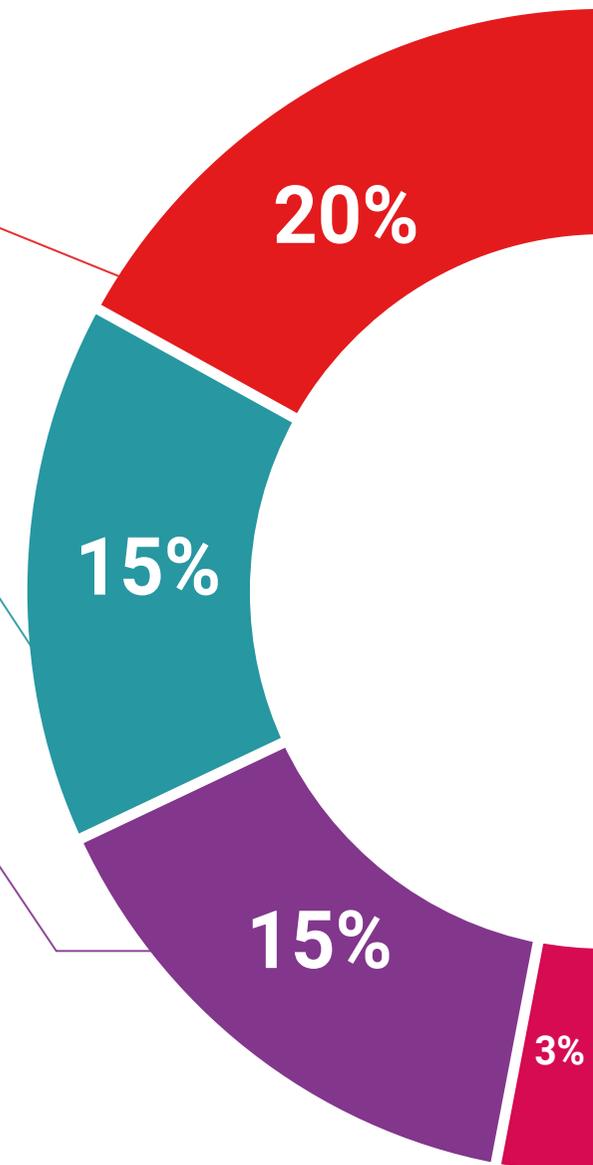
Interactive Summaries

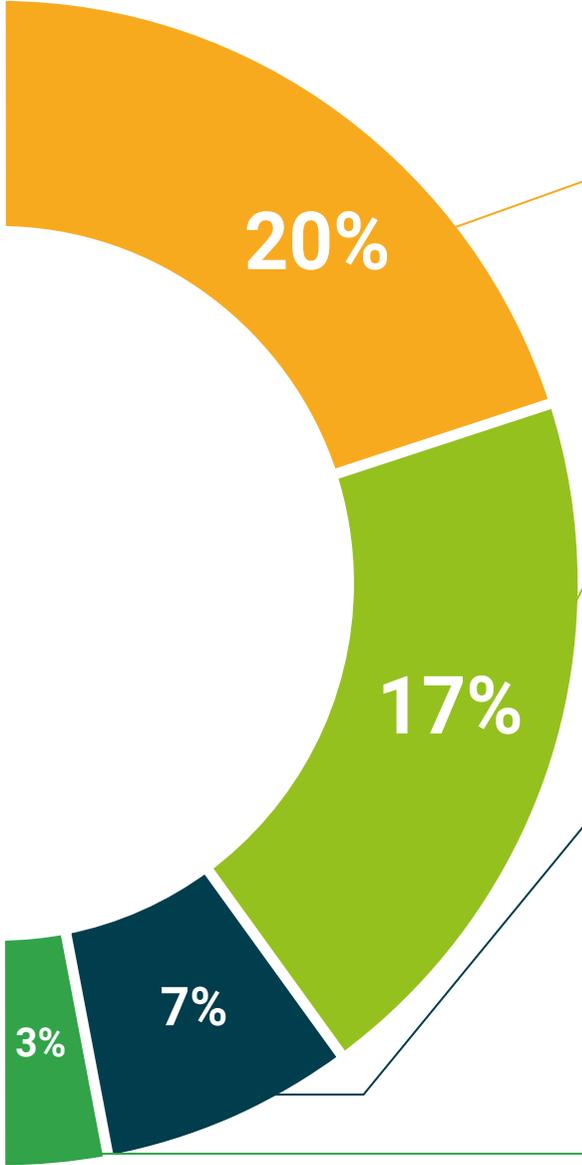
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge. This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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.



06 Certificate

The Postgraduate Certificate in Specialized 2D Animation 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 private qualification will allow you to obtain a **Postgraduate Certificate in Specialized 2D Animation** 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 Specialized 2D Animation**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



*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.

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



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- » Modality: online
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