Postgraduate Certificate
Composition Techniques
for Video Games

tech *technological university*

Postgraduate Certificate
Composition Techniques for Video Games

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

Website: **www.techtitute.com/us/videogames/postgraduate-certificate/composition-techniques-video-games**

Index

01
Introduction

In a video game, there are many factors that influence its success in the market. One of them is, no doubt, its soundtrack. In order to achieve this, it is important that the company in charge of its development relies on professionals with advanced knowledge of composition and the most innovative techniques in the sector. Through this program, students will delve into the different techniques of composition so that they can develop their creativity without limitations within the different keys of common and interactive composition.

Enroll now and acquire the main techniques to successfully enhance compositional resources"

Video games have occupied a space of great importance in today's entertainment. It is an element that can be key, since in many occasions the soundtrack of the game itself will serve as identification for the game. Therefore, the demand for professionals who are engaged in the composition of soundtracks for video games has grown, as every day there are more new projects that come to market from the hand of large companies. This program prepares graduates profoundly to successfully develop different types of compositions oriented to the world of digital games.

The objective of this Postgraduate Certificate is to guide graduates in depth to successfully develop different types of compositions oriented to the world of video games. In this way, this program will help students learn not only the keys to enhance compositional resources but also the different tools that are necessary for a composition that is up to par. The syllabus contains the keys for a successful and quality professional development, making it the ideal option for those who want to become professionals in the field of Video Game Composition. Students will learn the different common compositional techniques while crafting great thematic melodies that make the video game itself stand out.

The special feature of this program is its 100% online methodology, which allows students to combine their learning and specialization with their daily lives. TECH offers the most innovative learning techniques in the educational sector such as Relearning or the use of different multimedia resources. All of the above is possible as a result of the professionals who make up the faculty of this program, who have high-quality professional experience.

This **Postgraduate Certificate in Composition Techniques for Video Games** contains the most complete and up-to-date program on the market. The most important features include:

- Practical cases so that learning is carried out in a more direct way
- Specialized content on development and animation in video games
- 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

At the end of this program, you will know all the specific tools for video games such as Loop or Stinger"

Our faculty will ensure that you learn the key concepts from an innovative online pedagogical system that is shaking the foundations of learning as we know it"

A unique program to boost your professional career to success.

You will develop great theme tunes that will serve as accompaniment for the video games of large companies.
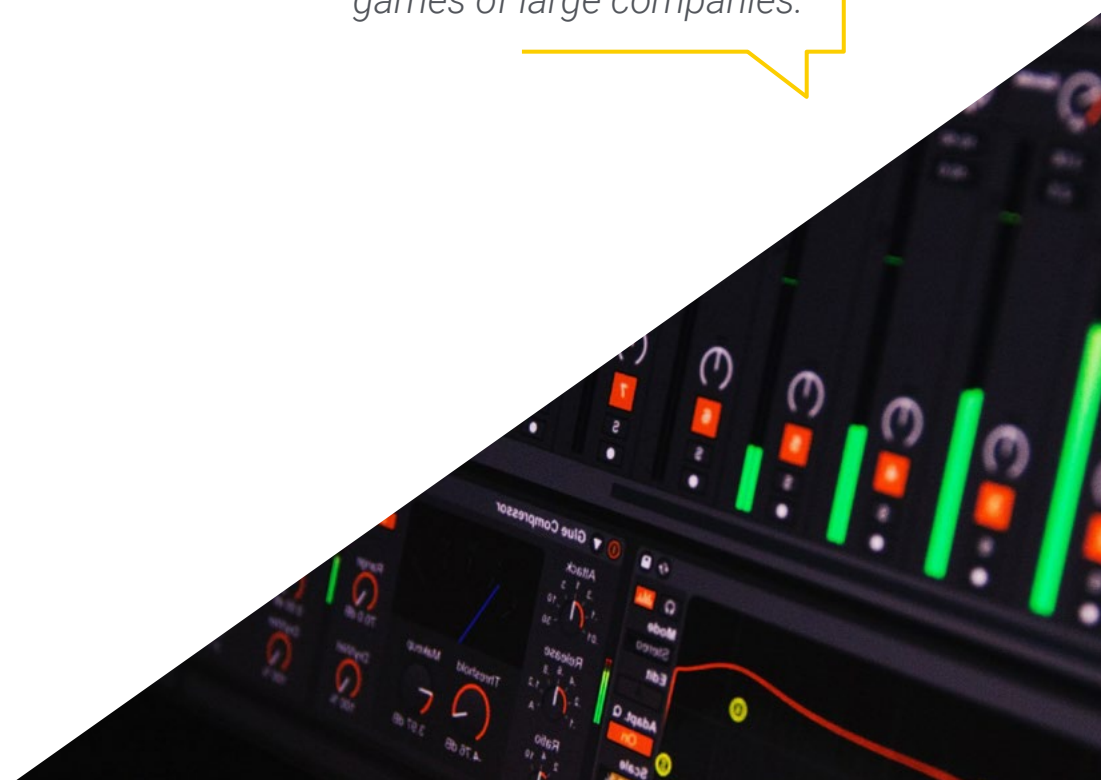
The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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 education programmed to prepare in 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 arise during the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

02
Objectives

Learn the ins and outs of composing soundtracks for video games is essential for a proper development in the workplace. The techniques used for this task are a fundamental part of the creation process. Therefore, through a series of general and specific objectives, students will learn the different composition techniques that will propel them to enter the market of video game soundtracking.

Acquire the knowledge necessary to craft great theme tunes through the objectives of this program"

General Objectives

- Differentiate and use the various types of modern modes
- Have a sound knowledge of and handle the various specific techniques of video game composition

At the end of this course, you will know all the keys to the creation of dynamic music for a digital game"

Specific Objectives

- Understand in depth the various basic elements for thematic creation
- Understand the behavior of the origin of counterpoint
- Assimilate the functioning of musical accompaniment
- Differentiate and create various types of thematic melodies
- Broadly understand the characteristics and typology of the stinger
- Create one shot musical compositions
- Compose using interactive techniques such as layering or horizontal sequencing
- Understand the functioning of the different variants of dynamic music

03
Course Management

TECH has a highly qualified faculty. As a result, graduates will acquire all the relevant knowledge for the correct development of video game composition techniques. In this way, this program offers not only the most up to date syllabus, but also the professional experience of experts in the field. These will guide students towards a future career in the field of video game composition.

"

The teaching staff of this Postgraduate Certificate is highly qualified to guide you in your specialization in Composition Techniques for Video Games"

Management

Mr. Raya Buenache, Alberto

- Musician Specialist in Performance and Composition for Audiovisual Media
- Musical director from of the Colmejazz Big Band
- Director of the Colmenar Viejo Youth Symphony Orchestra
- Professor of Music Composition for Audiovisual Media and Music Production
- Advanced Music Degree in the Specialty of Performance from the Royal Conservatory of Music of Madrid
- Master's Degree in Composition for Audiovisual Media (MCAV) from the Katarina Gurska University of Applied Sciences

Professors

Ms. Valencia Loaiza, Carolina

- Composer Specializing in Video Games
- Teacher of piano and theory of musical initiation
- Bachelor's Degree in History from Valle University
- Master's Degree in Audiovisual Media Composition

04
Structure and Content

A well-developed syllabus is the key to the successful acquisition of the basic skills and knowledge of video game compositing techniques. For this purpose, TECH has prepared, together with the faculty of this program, a very complete table of contents, through which the graduates will acquire knowledge about interactive composition or the main techniques for composition.

"

It is important to know the latest developments in interactive composition to integrate specific melodies to video games. At the end of this program, you will be up to date and prepared for your professional career in the best companies in the sector"

Module 1. Composition Techniques

1.1.   Thematic Construction
      1.1.1. The Shape
      1.1.2.   The Motive
      1.1.3. The Musical Phrase
1.2.   Counterpoint
      1.2.1.   The Musical Phrase
      1.2.2. Melodic Rhythm and Harmonic Rhythm
      1.2.3. Counterpoint in Several Voices
1.3.   Accompaniment
      1.3.1.   Types of Accompaniment
      1.3.2.   Reason for Accompaniment
      1.3.3.   Bass Line
1.4.   Melody
      1.4.1.   Vocal Melody
      1.4.2.   Instrumental Melody
      1.4.3.   Counter Theme Melody
1.5.   Creative Techniques
      1.5.1.   The Pedal and the Ostinato
      1.5.2.   Multi-Tonics and Repetitions
      1.5.3.   Re-Harmonizing
1.6.   Composition Techniques for Video Games: The Linear Loop
      1.6.1.   Features
      1.6.2.   Methods
      1.6.3.   Technical Problems
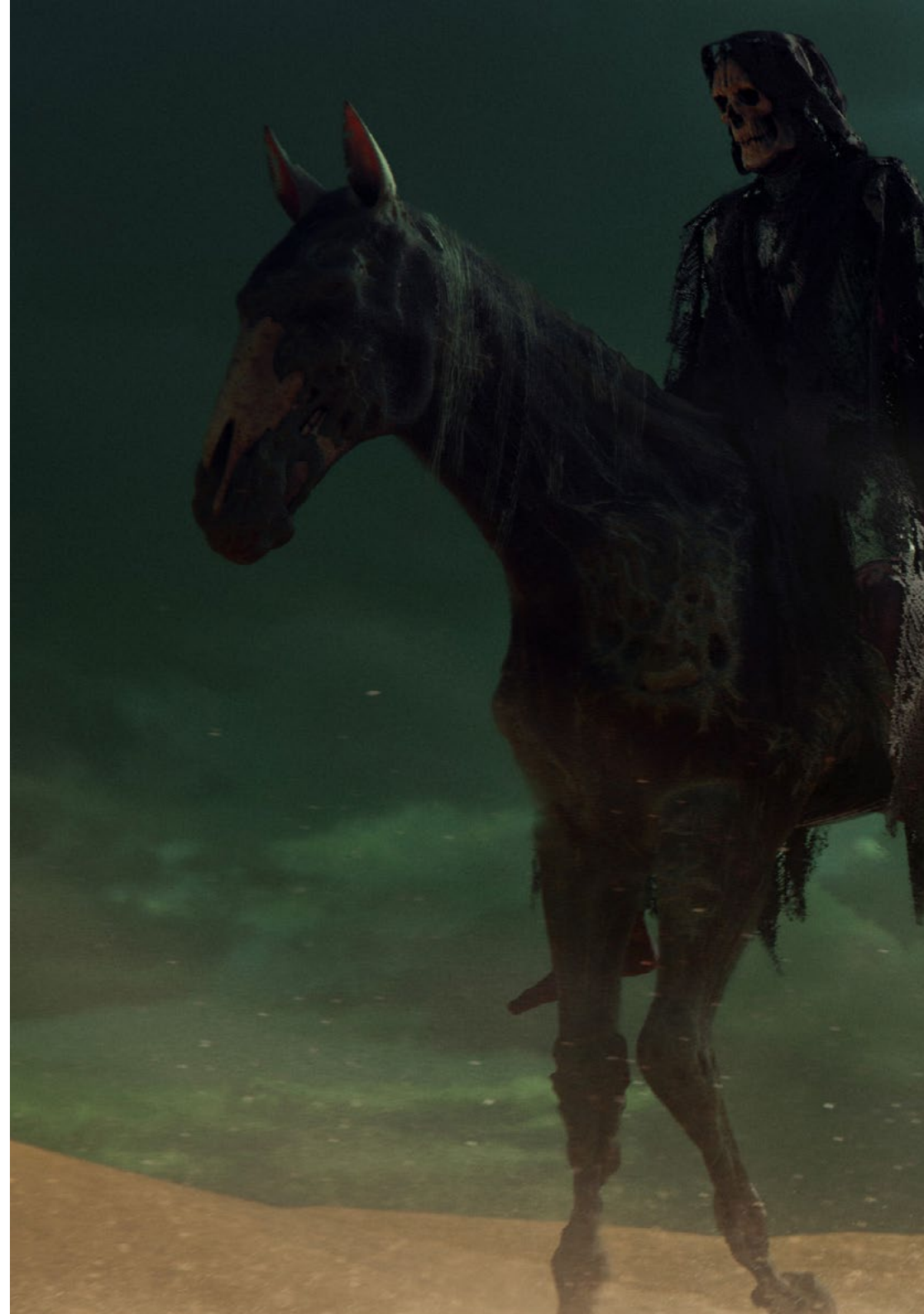
TECH offers you the opportunity to study this program from the comfort of your home, thanks to its online methodology"

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.

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.

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 has been the most widely used learning system among the world's leading business schools for as long as they have existed. 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. Over the course of 4 years, you will be presented with multiple practical case studies. You will have to combine all your knowledge, and research, argue, and defend your ideas and decisions.

The student will learn to solve complex situations in real business environments through collaborative activities and real cases.

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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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 we live in.

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.

30%

10%

8%

20%

25%

4%

3%

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.

Certificate

The Postgraduate Certificate in Composition Techniques for Video Games guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.

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

This **Postgraduate Certificate in Composition Techniques for Video Games** 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 Composition Techniques for Video Games**

Official Nº of Hours: **150 h.**

tech technological university

Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Composition Techniques for Video Games

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
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 EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

tech technological university

Postgraduate Certificate

Composition Techniques for Video Games

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

Postgraduate Certificate
Composition Techniques
for Video Games

tech technological university