

# Postgraduate Certificate

## Video Analysis Applicable to Tennis

Endorsed by the NBA





## Postgraduate Certificate Video Analysis Applicable to Tennis

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

Website: [www.techtute.com/in/sports-science/postgraduate-certificate/video-analysis-applicable-tennis](http://www.techtute.com/in/sports-science/postgraduate-certificate/video-analysis-applicable-tennis)

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# 01

# Introduction

Video analysis is an essential tool for modern Tennis. From the assessment of technique to the identification of game patterns and training feedback, this technology is considered an effective way to improve the player's performance. That is why the sports professional will find in this program a unique opportunity for updating, through which they will examine how to use video-analysis and other technological tools that provide new work methodologies to tennis players. Undoubtedly, a high-value specialization both to improve performance on the court and to increase tactical capacity. And all under a 100% online modality that provides a highly effective personalized educational journey.



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*The perfect opportunity to get up-to-date  
on the applicability of the most innovative  
technologies in Tennis”*

The tennis sector is at the forefront of the sport, evolving at the same pace as technology. It is not for nothing that it is a discipline in which making a difference has become a challenge, so more and more competition academies and clubs are implementing technological tools in their daily use to provide added value to their players.

One of them is the Video-Analysis, which allows to assess the performance of the tennis player and provide specific and detailed feedback. By reviewing videos of games and training sessions, coaches can identify common errors and develop a concrete training plan to address these problems.

Under this context, the Postgraduate Certificate in Video Analysis Applicable to Tennis is created, which is positioned as a specialization that will increase the coach's background, allowing them to provide players with valuable information on the aspects in which they should improve according to the study of video-analysis. For this, they will examine the objectives pursued by this technology and its benefits to improve tactical skills, whether in the ball height, improving the depth or service areas.

But this program goes even further and offers a tour through other technologies that have a great presence today, both on the tennis court and in the player's training routines. And the best thing is that the sports professional will be able to be up-to-date with all the guarantees from the hand of the largest online university in the world. In this sense, they will have the opportunity to develop the Postgraduate Certificate from wherever they want and with advanced lessons in the subject designed by a prestigious teaching team.

This **Postgraduate Certificate in Video Analysis Applicable to Tennis** contains the most complete and up-to-date program on the market. The most important features include:

- ♦ Practical case studies are presented by experts in Video Analysis Applicable to Tennis
- ♦ The graphic, schematic and practical contents of the program provide Rehabilitation and practical 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 be a reference in the use of Video Analysis in Tennis, providing players with valuable indications to improve their performance”*

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*Strengthen the technical skills of the tennis player through Video Analysis by means of an essential qualification”*

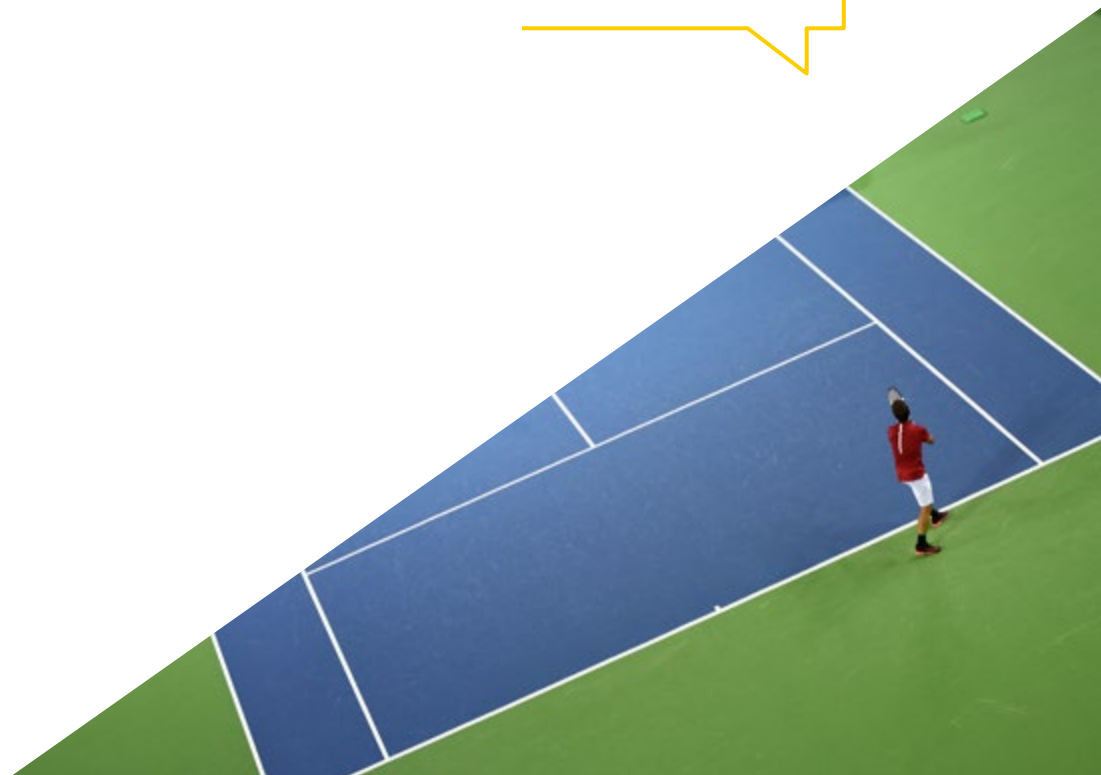
The program's teaching staff includes professionals from the sector who bring to this program the experience of their work, in addition to recognized specialists from prestigious reference societies and universities.

Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

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

*Benefit from the innovative methodology that TECH puts at your disposal to facilitate your journey in Video Analysis Applicable to Tennis.*

*Transform your players into masters of ball-height play thanks to your up-to-date training tools.*



# 02 Objectives

Given that more and more technologies are allowing players to make a difference on the tennis court, this program seeks to provide the sports professional with the latest tools designed for the tennis player to improve their tactics and performance. For this purpose, it will address the concept of Video Analysis and the benefits it brings to the player, covering all the technical aspects that can be improved thanks to this technological format.





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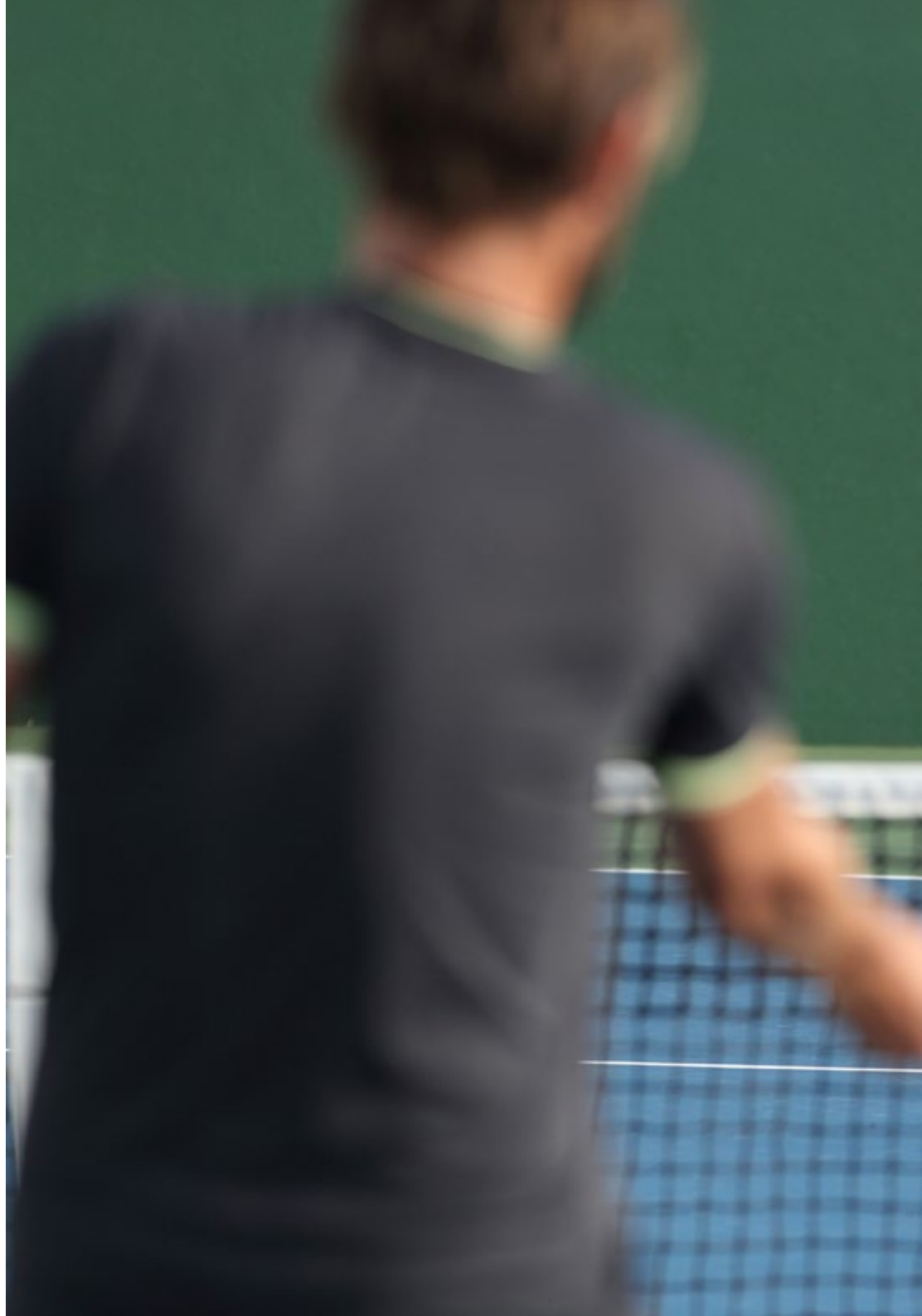
*The objective of this qualification is to make you a state-of-the-art coach in the most advanced technological innovations in Tennis”*



## General Objectives

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- ♦ Distinguish the different stages of tennis training and know how to work in each of them
- ♦ Know the tennis regulations and how to apply them
- ♦ Understand the figure of the tennis coach from an ethical and moral point of view, and understand the crucial role played by the mental aspect in tennis players
- ♦ Delve into the physical preparation necessary for a tennis player and injury prevention
- ♦ Raising awareness of the importance of technology in today's tennis and analyzing its evolution





## Specific Objectives

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- ◆ Delve into the use of technology in tennis, its importance and its evolution
- ◆ Understand how the use of technology and artificial intelligence influences the tennis player
- ◆ Identify the possible use of technology during training
- ◆ Learn what video analysis is and the role it plays in the tennis player
- ◆ Become familiar with the implements that can be used by the tennis player during training

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*Approach the best strategies for the use of technologies in just 150 hours of the best integral specialization in Video Analysis Applicable to Tennis”*

# 03

# Course Management

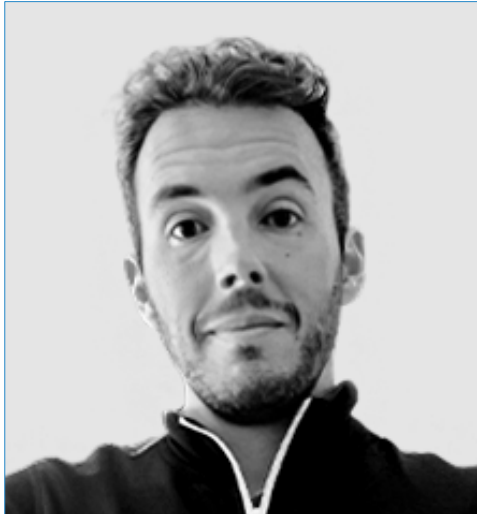
The best experts in the world of Tennis that the students can imagine will be their reference in this Postgraduate Certificate. In this way, they will make use of the invaluable experience of illustrious coaches who have turned numerous players into Cracks of this sport, working in some of the most renowned professional tennis academies in the world. In addition, all the doubts about the contents that have been designed will be quickly clarified through the Virtual Campus.



“

*Benefit from the experience of prestigious experts who have turned numerous players into Tennis Cracks through Video Analysis”*

## Management



### Mr. Ramos Camacho, Alejandro

- ♦ Tennis coach at the Rafa Nadal Academy
- ♦ Coach at the JMO Tennis Academy
- ♦ Coach at Valle de Aridane Tennis Club
- ♦ Graduate in Primary Education
- ♦ National Monitor by the Royal Spanish Federation
- ♦ RPT Level 2

## Professors

### Mr. Zapata, Óscar

- ♦ Dietician and Tennis Coach
- ♦ Tennis coach at the Rafa Nadal Academy
- ♦ Tennis instructor at Cet Alcalá
- ♦ Degree in Dietetics
- ♦ Master's Degree in Sports Nutrition
- ♦ Master's Degree in Personal Trainer

### Mr. Gazivoda, Petar

- ♦ Technology Manager at the Rafa Nadal Academy
- ♦ Tennis Coach at the Catalunya Tennis Academy
- ♦ Tennis coach at the Sanchez-Casal Club
- ♦ Bachelor's Degree in Business Administration and Technology



# 04

## Structure and Content

Throughout the course of this Postgraduate Certificate, students will benefit from an individualized educational pathway that places them at the center of the learning process. In this way, everything they need to boost their professional career is just a click away on the Virtual Campus. On this platform they will have unlimited access to the most complete and advanced catalog of resources on Video Analysis in Tennis, consulting materials presented in the form of videos, interactive diagrams and much more.







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*Analyze in just 6 weeks of academic period and through dynamic resources such as videos or interactive diagrams the historical evolution of technology in Tennis”*

## Module 1. Tennis and Video Analysis Technology

- 1.1. The Evolution of Technology, General Considerations Applicable to Tennis
  - 1.1.1. The Importance of Technology in Sports Today
  - 1.1.2. The Evolution of Technology in Tennis Throughout History
  - 1.1.3. Types of Technologies Applicable in Tennis
  - 1.1.4. Technological Methodology
- 1.2. The Importance of Technology and Innovation in Tennis and its Benefits
  - 1.2.1. Technology, its Applicability to Tennis and its Importance
  - 1.2.2. Objectives of the Implementation of New Technologies in Tennis
  - 1.2.3. Benefits of Using Technology in Tennis
  - 1.2.4. R+D+I in the Tennis Industry
- 1.3. Technology on the Tennis Court
  - 1.3.1. The Evolution of Tennis Court Throughout History
  - 1.3.2. Current Tennis Courts and Their Technology
  - 1.3.3. Tennis Court Advertising
  - 1.3.4. Technology in Tennis Materials
- 1.4. Hawk Eye and Other Arbitration Systems
  - 1.4.1. What is the Hawk Eye?
  - 1.4.2. How is the Hawk Eye Used?
  - 1.4.3. Benefits of the Use of the Hawk Eye in Competition
  - 1.4.4. When Do I Have the Right to Use the Hawk Eye?
  - 1.4.5. Other Arbitration Systems
- 1.5. The Tennis Racket, its Evolution and the Implementation of Technology in It
  - 1.5.1. Existing Racket Types
  - 1.5.2. Evolution of the Tennis Racket Throughout History
  - 1.5.3. Tennis Racket Depending on the Player's Style
  - 1.5.4. New Technologies in Tennis Rackets
- 1.6. Strings, Evolution and Types Depending on Playing Style
  - 1.6.1. Importance of Strings for Tennis Players
  - 1.6.2. The Evolution of Stringing Throughout History
  - 1.6.3. Types of Strings and Classification
  - 1.6.4. Tension and Types of Strings Depending on the Tennis Player's Playing Style





- 1.7. What is Video Analysis and its Benefits for Tennis Players?
  - 1.7.1. Video Analysis Concept
  - 1.7.2. Objectives of Video Analysis in Tennis Players
  - 1.7.3. Benefits for Players and Coaches in the Use of Video Analysis
  - 1.7.4. Video Analysis and Tactics
- 1.8. Clothing, the Tennis Ball and its Evolution and Implementation of Technology
  - 1.8.1. Evolution of Tennis Apparel Throughout History
  - 1.8.2. Types of Shoes Depending on the Tennis Court Surface
  - 1.8.3. Evolution of the Tennis Ball Throughout History
  - 1.8.4. Types of Tennis Ball and their Classification Depending on Speed
- 1.9. Practical Examples in the Use of Technology and Video Analysis in Technical Work
  - 1.9.1. Analysis and Improvement of the Bottom Blows by Means of Video Analysis
  - 1.9.2. Analysis and Service Improvement Through Video Analysis
  - 1.9.3. Analysis and Improvement of Volleys Through Video Analysis
  - 1.9.4. Other Technical Aspects Through Video Analysis
- 1.10. Practical Examples in the Use of Technology and Video Analysis in Tactical Work
  - 1.10.1. Video Analysis and Ball Height Improvement. Exercises to Correct it
  - 1.10.2. Video Analysis and Depth Enhancement. Exercises to Correct it
  - 1.10.3. Video Analysis and Ball Directions. Exercises to Improve it
  - 1.10.4. Video Analysis and Improvement of Service Areas. Exercises to Improve it

“ *This very complete syllabus does not leave behind key concepts such as stringing or the implementation of technology in clothing or the ball* ”

# 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.





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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.



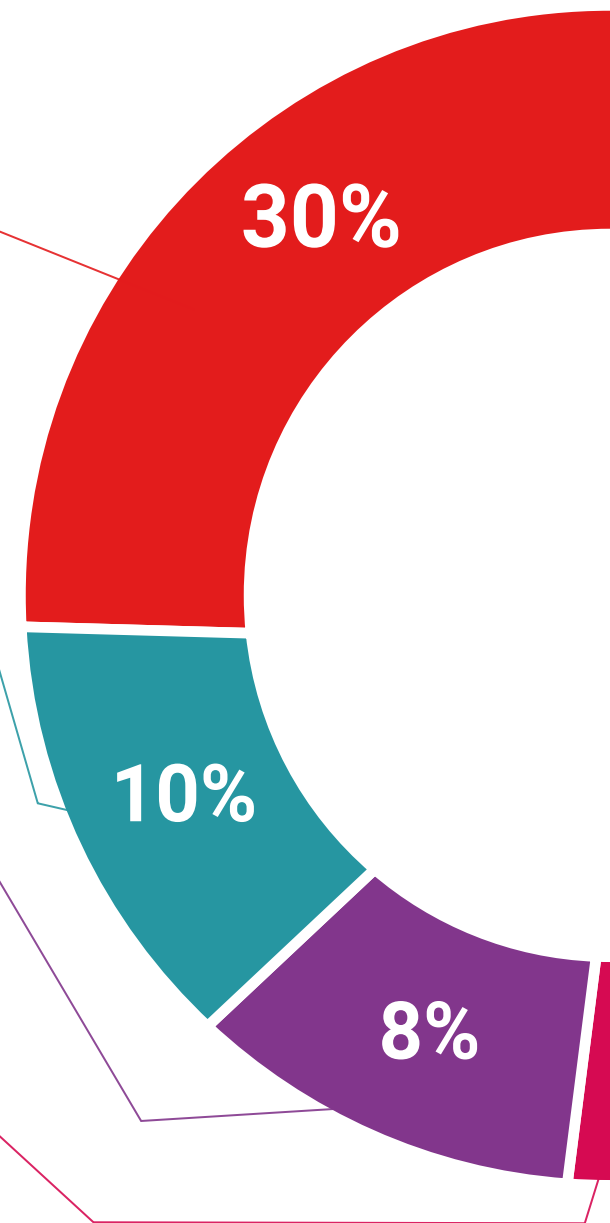
### Practising Skills and Abilities

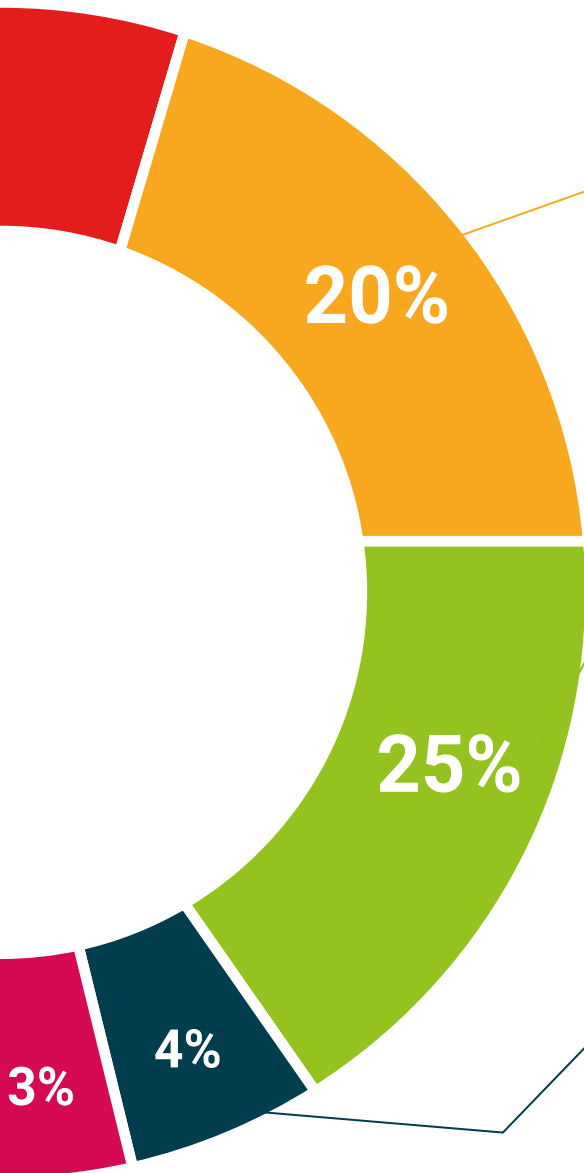
They will carry out activities to develop specific competencies and skills in each thematic area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



### 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 situation. 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.



# 06 Certificate

The Postgraduate Certificate in Certificate in Video Analysis Applicable to Tennis guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.Tecnologica.



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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 Video Analysis Applicable to Tennis** 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 certificate 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 Video Analysis Applicable to Tennis**

Official N°. of Hours: **150 h.**

**Endorsed by the NBA**



\*Apostille Convention. In the event that the student wishes to have their paper certificate 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 online training  
development language  
virtual classroom



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**tech** technological  
university