

Postgraduate Certificate Enological Microbiology



Postgraduate Certificate Enological Microbiology

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online
- » Target Group: University graduates who have previously completed any of the qualifications in the field of Social, Administrative and Business Sciences.

Website: www.techtitute.com/us/school-of-business/postgraduate-certificate/enological-microbiology

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01 Welcome

Advances in enological microbiology have made it possible to improve alcoholic fermentation yields, biological aging and overall wine quality. Without these scientific studies, it would not be possible today to enjoy the best wine products in the world. Entering the exciting field of Enology requires a solid foundation in microbiology. A task that TECH facilitates with this 100% online program, where the professional of the tourism sector will obtain rigorous information on the processes of wine analysis, yeasts and bacteria that make it up. All, in addition, with a syllabus prepared by real experts in the field, and which can be accessed 24 hours a day, from any electronic device with an Internet connection.



Postgraduate Certificate in Enological Microbiology
TECH Global University



“

Obtain valuable information on the most recent advances in Enological Microbiology and apply them to your business initiatives”

02

Why Study at TECH?

TECH is the world's largest 100% online business school. It is an elite business school, with a model based on the highest academic standards. A world-class center for intensive managerial skills education.



“

TECH is a university at the forefront of technology, and puts all its resources at the student's disposal to help them achieve entrepreneurial success"

At TECH Global University



Innovation

The university offers an online learning model that balances the latest educational technology with the most rigorous teaching methods. A unique method with the highest international recognition that will provide students with the keys to develop in a rapidly-evolving world, where innovation must be every entrepreneur's focus.

"*Microsoft Europe Success Story*", for integrating the innovative, interactive multi-video system.



The Highest Standards

Admissions criteria at TECH are not economic. Students don't need to make a large investment to study at this university. However, in order to obtain a qualification from TECH, the student's intelligence and ability will be tested to their limits. The institution's academic standards are exceptionally high...

95% | of TECH students successfully complete their studies



Networking

Professionals from countries all over the world attend TECH, allowing students to establish a large network of contacts that may prove useful to them in the future.

+100000

executives prepared each year

+200

different nationalities



Empowerment

Students will grow hand in hand with the best companies and highly regarded and influential professionals. TECH has developed strategic partnerships and a valuable network of contacts with major economic players in 7 continents.

+500

collaborative agreements with leading companies



Talent

This program is a unique initiative to allow students to showcase their talent in the business world. An opportunity that will allow them to voice their concerns and share their business vision.

After completing this program, TECH helps students show the world their talent.



Multicultural Context

While studying at TECH, students will enjoy a unique experience. Study in a multicultural context. In a program with a global vision, through which students can learn about the operating methods in different parts of the world, and gather the latest information that best adapts to their business idea.

TECH students represent more than 200 different nationalities.



TECH strives for excellence and, to this end, boasts a series of characteristics that make this university unique:



Analysis

TECH explores the student's critical side, their ability to question things, their problem-solving skills, as well as their interpersonal skills.



Academic Excellence

TECH offers students the best online learning methodology. The university combines the Relearning method (postgraduate learning methodology with the best international valuation) with the Case Study. Tradition and vanguard in a difficult balance, and in the context of the most demanding educational itinerary.



Economy of Scale

TECH is the world's largest online university. It currently boasts a portfolio of more than 10,000 university postgraduate programs. And in today's new economy, **volume + technology = a ground-breaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.



Learn with the best

In the classroom, TECH's teaching staff discuss how they have achieved success in their companies, working in a real, lively, and dynamic context. Teachers who are fully committed to offering a quality specialization that will allow students to advance in their career and stand out in the business world.

Teachers representing 20 different nationalities.



At TECH, you will have access to the most rigorous and up-to-date case analyses in academia"

03

Why Our Program?

Studying this TECH program means increasing the chances of achieving professional success in senior business management.

It is a challenge that demands effort and dedication, but it opens the door to a promising future. Students will learn from the best teaching staff and with the most flexible and innovative educational methodology.



“

We have highly qualified teachers and the most complete syllabus on the market, which allows us to offer you education of the highest academic level”

This program will provide you with a multitude of professional and personal advantages, among which we highlight the following:

01

A Strong Boost to Your Career

By studying at TECH, students will be able to take control of their future and develop their full potential. By completing this program, students will acquire the skills required to make a positive change in their career in a short period of time.

70% of students achieve positive career development in less than 2 years.

02

Develop a strategic and global vision of the company

TECH offers an in-depth overview of general management to understand how each decision affects each of the company's different functional fields.

Our global vision of companies will improve your strategic vision.

03

Consolidate the student's senior management skills

Studying at TECH means opening the doors to a wide range of professional opportunities for students to position themselves as senior executives, with a broad vision of the international environment.

You will work on more than 100 real senior management cases.

04

You will take on new responsibilities

The program will cover the latest trends, advances and strategies, so that students can carry out their professional work in a changing environment.

45% of graduates are promoted internally.

05

Access to a powerful network of contacts

TECH connects its students to maximize opportunities. Students with the same concerns and desire to grow. Therefore, partnerships, customers or suppliers can be shared.

You will find a network of contacts that will be instrumental for professional development.

06

Thoroughly develop business projects.

Students will acquire a deep strategic vision that will help them develop their own project, taking into account the different fields in companies.

20% of our students develop their own business idea.

07

Improve soft skills and management skills

TECH helps students apply and develop the knowledge they have acquired, while improving their interpersonal skills in order to become leaders who make a difference.

Improve your communication and leadership skills and enhance your career.

08

You will be part of an exclusive community

Students will be part of a community of elite executives, large companies, renowned institutions, and qualified teachers from the most prestigious universities in the world: theTECH Global University community.

We give you the opportunity to study with a team of world-renowned teachers.

04 Objectives

This university program has been created with the main objective of offering the professional in the tourism sector the most recent and essential information on Enological Microbiology. A base that supports the main knowledge about wines and their complex winemaking process. To achieve this goal, students have access to first-class teaching tools that can be accessed at any time of the day, from a computer, tablet or cell phone.



“

You will achieve a solid knowledge about the microorganisms that affect the stability of wines and will therefore be able to distinguish the most elaborate processes"

**TECH makes the goals of their students their own goals too
Working together to achieve them**

The **Postgraduate Certificate in Enological Microbiology** will enable students to:

01

Acquire a global knowledge of enological microbiology

04

Examine the mechanism of action of antimicrobial compounds and how to control spoilage microorganisms

02

Analyze wine defects and correctly attribute them to each microbial group



03

Fundamentally understand the concept of microbiological stability and be aware of the problems associated with different types of wine and the deviations they can have depending on the time of winemaking

05

Develop good cellar practices for cleaning and disinfection

06

Establish methods for counting microorganisms and microscopic identification of each microbial group

08

Show the student the importance of viticulture for the production of great wines

09

Inculcate the need for environmental protection based on sustainability

07

Provide the widest possible range of viticultural knowledge

10

Substantiate the enological importance of these compounds both in the winemaking stages and in the final product



05

Structure and Content

The syllabus of this specialization has been designed by a team of specialists in Enological Microbiology, well acquainted with the progress achieved in this field and its direct application in the best wineries around the world.

An intensive and advanced learning that the tourism professional will be able to acquire in only 150 teaching hours.



“

The multimedia material that makes up the library of didactic resources will help you to acquire a much easier learning about Enological Microbiology"

Syllabus

This Postgraduate Certificate consists of a syllabus made up of the most recent content in Enological Microbiology that will allow the professional in the tourism sector to become a specialist in just 6 weeks.

To achieve this goal, students will delve into the key concepts: yeasts, lactic acid bacteria, acetic acid bacteria, fungi and microbial ecology during winemaking. A compendium of subjects that will be developed through innovative multimedia content, specialized readings and case studies that will offer a theoretical-practical approach.

In addition, this learning will be much more dynamic thanks to the Relearning system used by TECH, which facilitates the easy acquisition of new concepts through the repetition of the fundamental content. A methodology that reduces the hours of study and memorization at the same time.

The professional is therefore faced with an excellent opportunity to develop their potential in the enology sector through a university program that is 100% online and flexible. The only thing they need is an electronic device to access, at any time of the day, the content hosted on the virtual platform. Therefore, without the need for attendance or scheduled classes, graduates will be able to self-manage their study time and make their daily responsibilities

This Postgraduate Certificate is developed over 6 weeks and is divided into 1 module:

Module 1

Enological Microbiology



Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate Certificate in Enological Microbiology in a totally online way. During the 6 weeks of the specialization, the student will be able to access all the contents of this program at any time, which will allow them to self-manage their study time.

A unique, key, and decisive educational experience to boost your professional development and make the definitive leap.

Module 1. Enological Microbiology

1.1. Yeast	1.2. Lactic Acid Bacteria	1.3. Acetic Acid Bacteria	1.4. Fungi and Other Microorganisms
1.5. Microbial Ecology During Winemaking	1.6. Importance of Malolactic Fermentation (MLF)	1.7. Wine Alterations	1.8. Control of the Growth of Microorganisms
1.9. Biological Cleaning and Disinfection in the Winery	1.10. Microbiological Analysis of Wine		



An academic journey that brings you closer to the most advanced enological analysis today"



06

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"

TECH Business School uses the 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”



This program prepares you to face business challenges in uncertain environments and achieve business success.



Our program prepares you to face new challenges in uncertain environments and achieve success in your career.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch to present executives with challenges and business decisions at the highest level, whether at the national or international level. 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 business reality is taken into account.

“ *You will learn, through collaborative activities and real cases, how to solve complex situations in real business environments”*

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 we face in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They must integrate all their knowledge, research, 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 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

Our online system will allow you to organize your time and learning pace, adapting it to your schedule. You will be able to access the contents from any device with an internet connection.

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 online business school is the only one in the world licensed to incorporate 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.



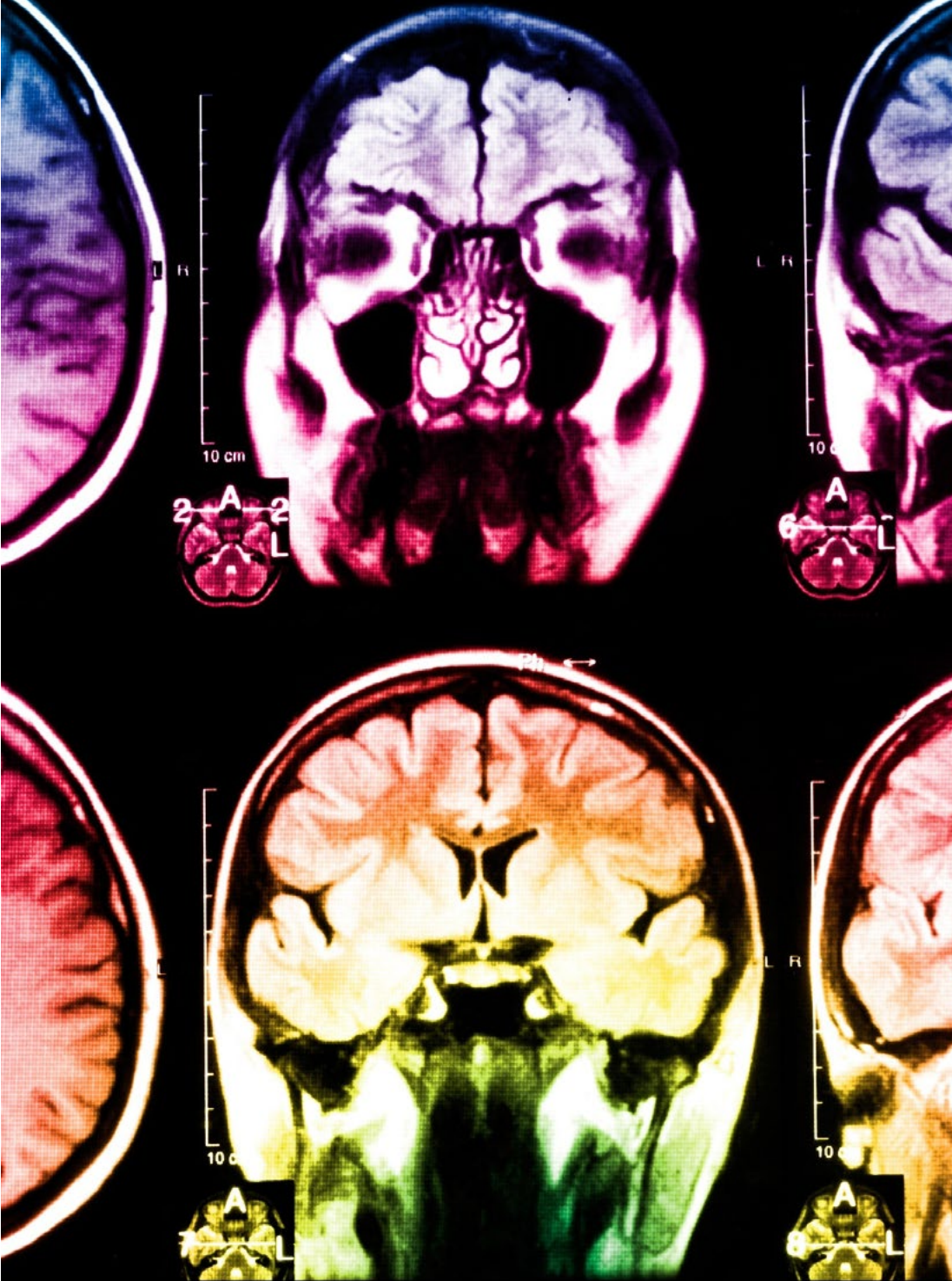
In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

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 specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to 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.



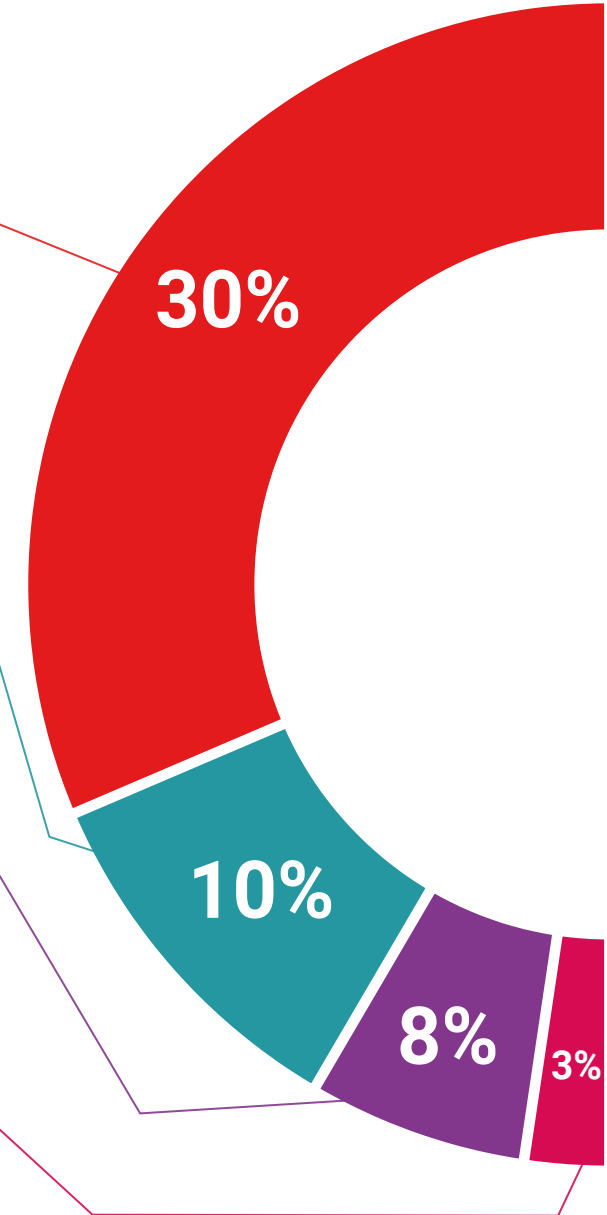
Management Skills Exercises

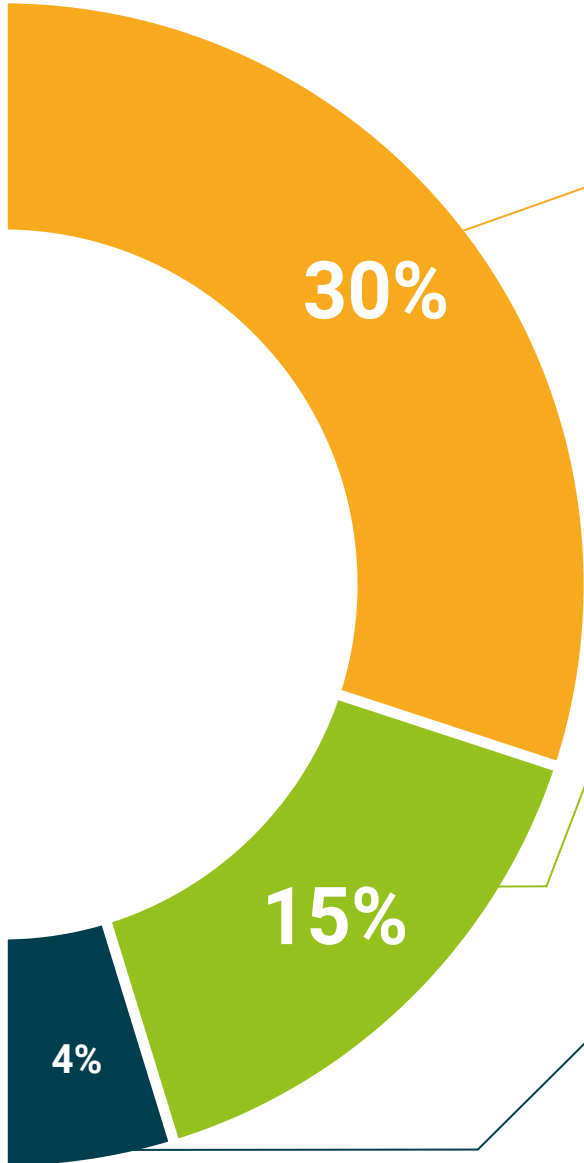
They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager needs to develop in the context of the globalization we live in.



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.





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 senior management 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.



07

Our Students' Profiles

The Postgraduate Certificate is aimed at University Graduates, Postgraduates and Degree holders who have previously completed any of the following degrees in the field of Social Sciences, Administrative and Economic Sciences.

The diversity of participants with different educational profiles and from multiple nationalities makes up the multidisciplinary approach of this program.

The Postgraduate Certificate may also be taken by professionals who, being university graduates in any area, have two years' work experience in the field of Enology.





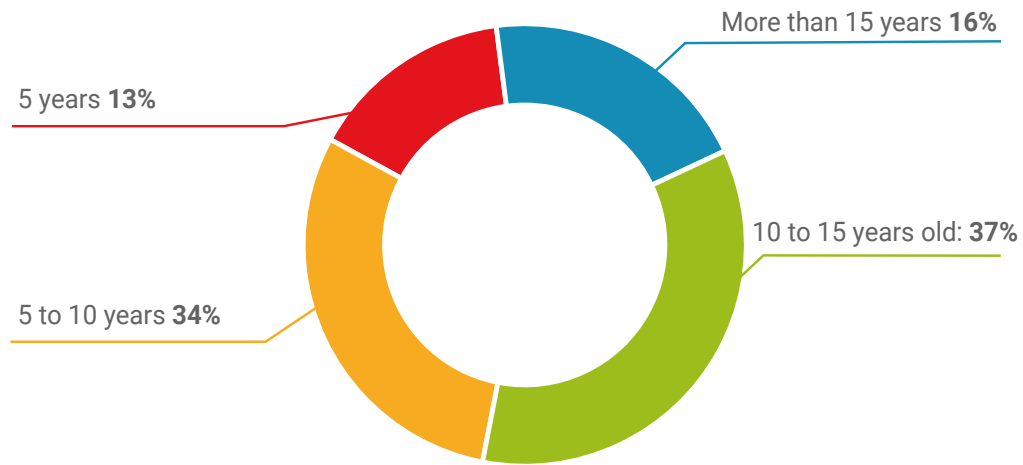
“

Obtain a specialization in Enological Microbiology and advance in your business projects oriented to wine tourism”

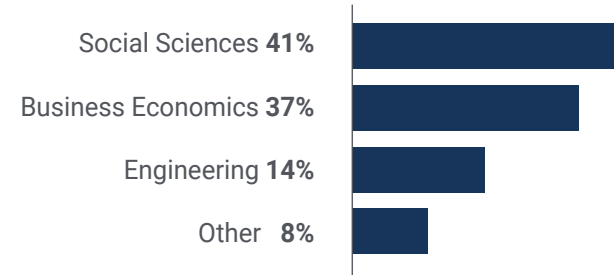
Average Age

Between **35** and **45** years old

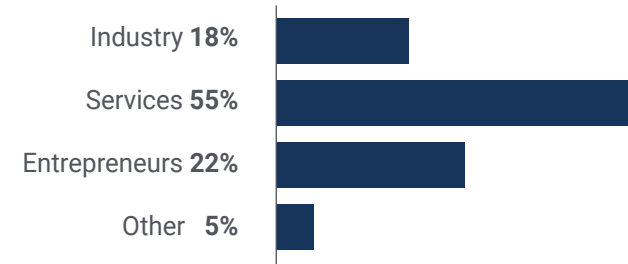
Years of Experience



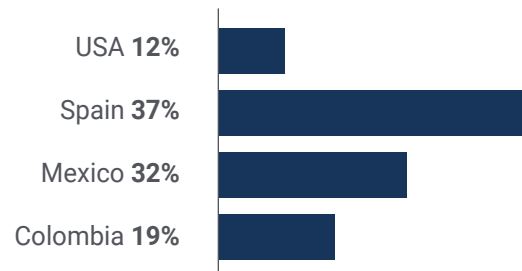
Training



Educational Profile



Geographical Distribution



Anna Gutiérrez

CEO at Wineries

"This Postgraduate Certificate provided me with the extra knowledge I needed to be able to grow professionally and link my talent in the tourism sector with the Enologist. A learning that would not be possible without the magnificent teaching team that accompanied us throughout the program"

08

Course Management

Students who take this university program will have access to an advanced syllabus prepared by real experts in Enology with extensive experience in first class wineries and in the field of Microbiology research. In this way, TECH provides professionals with the guarantee that they will have access to a program that offers the most recent information and under the highest scientific rigor on Enological Microbiology.





“

You will be able to solve any doubts you may have about the syllabus with professionals with wide scientific-technical experience in Wineries"

Management



Ms. Clavero Arranz, Ana

- ◆ General Manager of Bodegas Cepa 21
- ◆ Chief Executive Officer of Grupo Bodegas Emilio Moro
- ◆ Chief Financial Officer of Grupo Bodegas Emilio Moro
- ◆ Head of Administration at Bodegas Cepa 21
- ◆ Administration Technician at Bodegas Convento San Francisco
- ◆ Professional Master's Degree in Business Administration and Management from the University of Valladolid.
- ◆ Professional Master's Degree in Financial Management from ESIC
- ◆ Executive Coach by ICF
- ◆ Digital Immersion Program for CEO (ICEX)
- ◆ Executive Development Program by IESE

Professors

Mr. Carracedo Esguevillas, Daniel

- ◆ Deputy winemaker at Viñas del Jaro
- ◆ Laboratory Manager at Viñas del Jaro
- ◆ Assistant Winemaker at Bodegas y Viñedos de Cal Grau
- ◆ Graduates in Enology from the University of Valladolid



Ms. Arranz Núñez, Beatriz

- ◆ Winemaker in Viñas del Jaro
- ◆ Assistant Winemaker at Viña Buena
- ◆ Winemaker at Familia A. De La Cal La Winery
- ◆ Attendees Winemaker at Viña Cancura
- ◆ Winery worker at Vitalpe
- ◆ Winemaker trainer at the Business Development Institute
- ◆ Winemaker and Guide at the Valladolid Provincial Wine Museum
- ◆ Overseer of the Superior Council of the Ribera del Duero D.O.
- ◆ Degree in Enology from the University of Valladolid

“

A unique, key, and decisive educational experience to boost your professional development”

09

Impact on Your Career

With this Postgraduate Certificate, TECH has wanted to favor the personal and professional growth of students with a great interest in the world of Enology and wine tourism. An approach that will have a direct impact on the progression within this powerful industry and that will open a range of possibilities for the creation of projects and initiatives related to wine products.



“

Make the difference with the rest of professionals by becoming an expert in Enological Microbiology”

Are you ready to take the leap? Excellent professional development awaits you

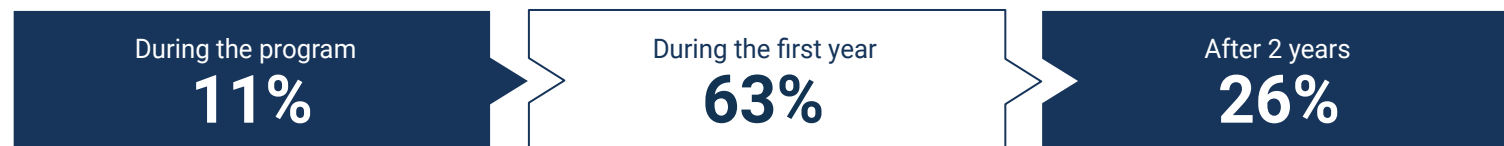
This Postgraduate Certificate in Enological Microbiology from TECH is an intensive program that prepares you to face challenges and business decisions in the field of wine tourism. The main objective is to promote your personal and professional growth. Helping you achieve success.

If you want to improve yourself, make a positive change at a professional level, and network with the best, then this is the place for you.

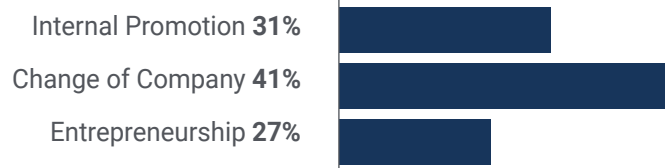
Advance in your sector thanks to a course designed for professionals with aspirations like you.

Launch your tourism project with a solid knowledge of the microbiological essence of wines.

Time of Change



Type of change



Salary increase

The completion of this program represents a salary increase of more than **30%** for our students.



10

Benefits for Your Company

Professionals who immerse themselves in this university program will give an important value to their company, thanks to an advanced knowledge that will distinguish them as an authentic specialist in Enology. In this way, they will be able to contribute to the development of tourism strategies associated with the world of wine or innovative projects that give a plus of distinction in this sector.



“

Contribute in a notorious way in the development of tourism strategies associated with the promotion of the Enological sector"

Developing and retaining talent in companies is the best long-term investment.

01

Growth of talent and intellectual capital

The professional will introduce the company to new concepts, strategies, and perspectives that can bring about significant changes in the organization.

02

Retaining high-potential executives to avoid talent drain

This program strengthens the link between the company and the professional and opens new avenues for professional growth within the company.

03

Building agents of change

You will be able to make decisions in times of uncertainty and crisis, helping the organization overcome obstacles.

04

Increased international expansion possibilities

Thanks to this program, the company will come into contact with the main markets in the world economy.



05

Project Development

The professional can work on a real project or develop new projects in the field of R & D or business development of your company.

06

Increased competitiveness

This program will equip students with the skills to take on new challenges and drive the organization forward.

11

Certificate

The Postgraduate Certificate in Enological Microbiology guarantees, in addition to the most rigorous and updated knowledge, access to a 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 **Postgraduate Certificate in Enological Microbiology** 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 Enological Microbiology**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





Postgraduate Certificate Enological Microbiology

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

Postgraduate Certificate Enological Microbiology

