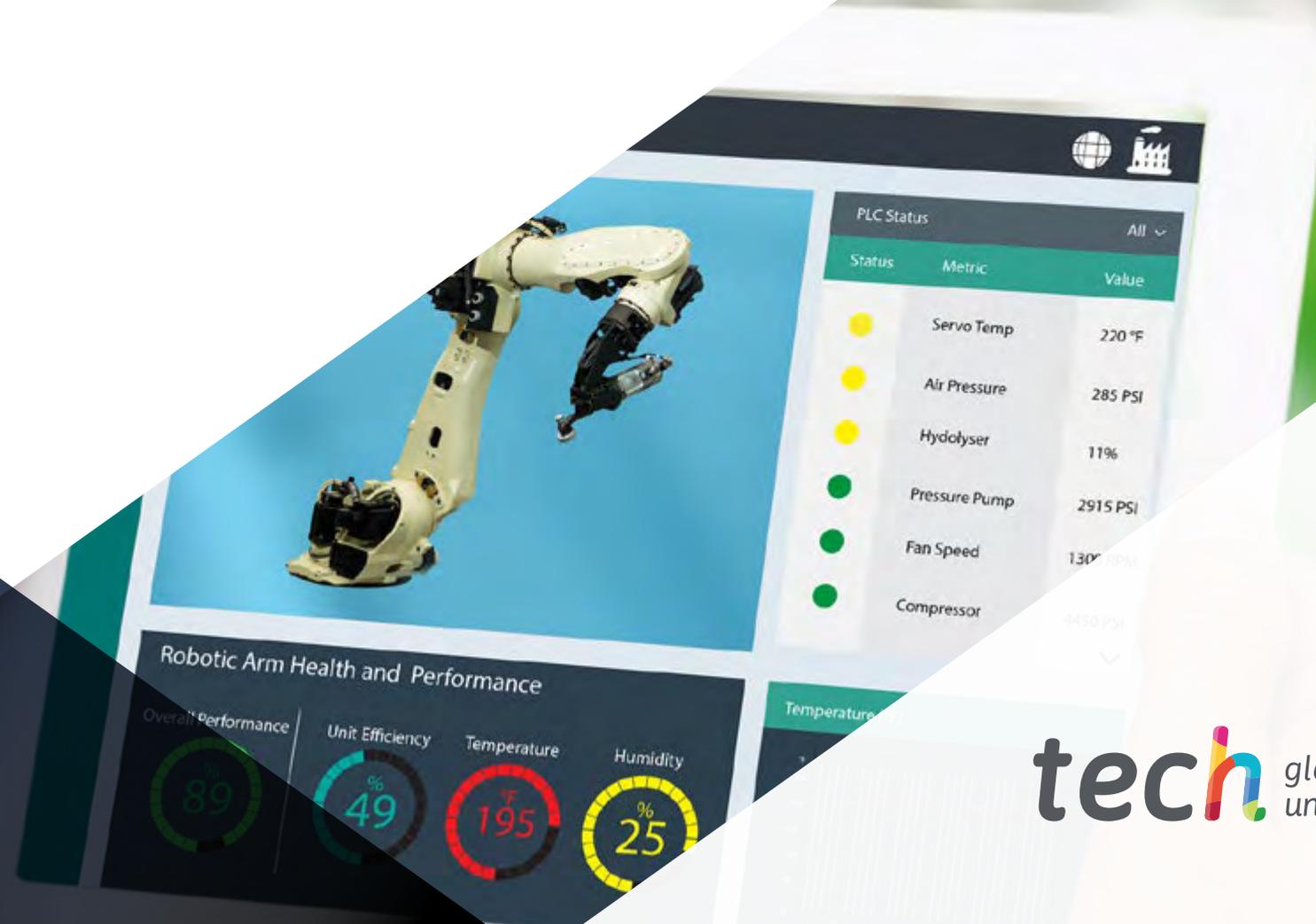


# Postgraduate Certificate

## Principles of Risk Management of a Technology Project





## Postgraduate Certificate Principles of Risk Management of a Technology Project

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online
- » Target Group: professionals in the technology area who want to take on the management of companies and projects of this nature

Website: [www.techtute.com/us/school-of-business/postgraduate-certificate/principles-risk-management-technology-project](http://www.techtute.com/us/school-of-business/postgraduate-certificate/principles-risk-management-technology-project)

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# 01 Welcome

One of the elements that make this academic program unique is that the student will be able to obtain, from the hand of highly prestigious professionals in the sector, deep knowledge in each and every one of the activities necessary to identify, analyze and evaluate the possible risks that may occur in a technological project. In this way, the design of the strategic risk management plan will be much simpler and based on possible real events. This will motivate students graduating from this training to exponentially improve their risk management skills and achieve a noticeable improvement in their daily practice.



Postgraduate Certificate in Principles of Risk Management of a Technology Project. TECH Global University



“

*Only a correct identification of possible risks can mitigate their occurrence. With this program, their work on technology projects will take a leap in quality”*

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 centre for intensive managerial skills training.



“

*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 combines 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.

**100,000+**  
executives trained 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 methodology (the most internationally recognized postgraduate learning methodology) with Harvard Business School case studies. A complex balance of traditional and state-of-the-art methods, within the most demanding academic framework.



### 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 groundbreaking 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 Harvard Business School case studies"*

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 training of the highest academic level"*

This program will provide students with a multitude of professional and personal advantages, particularly the following:

**01**

### A significant career boost

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 participants achieve positive career development in less than 2 years.*

**02**

### Develop a strategic and global vision of companies

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

*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**

### 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 areas 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

### Be part of an exclusive community

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

*We give you the opportunity to train with a team of world renowned teachers.*

# 04 Objectives

If the student is looking to acquire precise professional competencies that will allow them to learn how to manage risks in technological projects, having full knowledge of how to identify and establish ways to mitigate them, then this academic program is for them. You will have professionals of national and international stature who will be in charge of helping you acquire new professional skills that will facilitate your path and open new ways to achieve your professional and personal goals.



“

*Learn how to minimize risks in a technological project and become a prestigious professional studying at TECH”*

TECH makes the objectives of its students its own.  
We work together to achieve them.

The **Postgraduate Certificate in Principles of Risk Management of a Technology Project** will enable the student to :

01

Provide a global and strategic vision of all operational departments of the company

02

Assume responsibilities and think in a transversal and integrative way to analyze and solve situations in uncertain environments





03

Know how to anticipate and manage possible risks that may occur in a technological project

04

Perform a correct and adequate quantitative risk analysis of technological projects

05

# Structure and Content

Professionals in the 21st century need innovative training that allows them to study while continuing to perform their work duties. For this reason, this Postgraduate Certificate in Principles of Risk Management of a Technology Project at TECH Technological is a tailor-made program that is taught in a 100% online format so that students can decide the time and place that best suits their availability, schedules and interests. In addition, it stands out for having the most complete and updated content library in the sector to offer students a wide range of academic possibilities. A program that takes place over 6 weeks and is intended to be a unique and stimulating experience.



“

*The most complete content on the market will accompany you throughout your training process"*

## Syllabus

The contents of this Postgraduate Certificate are aimed at professionals who want to develop their work activity in the area of technological projects. Specifically, this training is ideal for those trainees who want to receive intensive information on everything related to the management of potential risks that may occur during the project.

Risk Management is understood as the structured approach to address the uncertainty that originates from a threat through a series of human activities that include the identification, analysis and evaluation of risk, in order to then establish strategies for its treatment using management resources.

To achieve this, the program's syllabus will provide an in-depth theoretical and practical study of all the elements involved in risk management. Thus, the quantitative and qualitative risk analysis and the most effective ways to detect these potential threats will be discussed in depth.

All this development will be carried out by professionals recognized and valued worldwide. In this way, the student learns from the best in the sector and is provided with the most effective learning system on the market and a stimulating and attractive training process.

Another key to the success of this training is the possibility of being the student themselves who decides how they organize their learning: from the time, to the place and intensity of study. In this way TECH ensures that this effort is fully compatible with personal and professional life. So that the student never loses motivation.

In this sense, the training is 100% online, although the student can download the contents, to continue offline if desired.

The student will also have access to illustrative videos, review audios, an online library with complementary material and the help and support of a tutor throughout the process.

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

### Module 1

### Risk Management of Technological Projects



### Where, When and How is it Taught?

TECH offers the student the possibility to develop this program completely online Throughout the 6 weeks of the duration of the training, you will be able to access all the contents of this program at any time, allowing you to self-manage your study time.

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

**Module 1. Risk Management of Technological Projects**

**1.1. Introduction to Risk Management**

- 1.1.1. Definition of Risks
  - 1.1.1.1. Threats
  - 1.1.1.2. Opportunities
- 1.1.2. Types of Risks

**1.2. Basic Concepts**

- 1.2.1. Severity
- 1.2.2. Attitudes towards Risk
- 1.2.3. Individual Risk Vs General Risk
- 1.2.4. Risk Categories

**1.3. Risk Management: Benefits**

**1.4. Trends in Risk Management**

- 1.4.1. Non-event Risks
- 1.4.2. Project Resilience
- 1.4.3. Risks in Agile and Adaptive Environments

**1.5. Planning Risk Management**

- 1.5.1. Develop the Risk Management Plan
- 1.5.2. Tools and Techniques

**1.6. Identify Risks**

- 1.6.1. Project Risk Register
- 1.6.2. Tools and Techniques

**1.7. Perform Qualitative Risk Analysis**

- 1.7.1. Qualitative Risk Analysis
  - 1.7.1.1. Definition
  - 1.7.1.2. Representation
- 1.7.2. Tools and Techniques

**1.8. Perform Quantitative Risk Analysis**

- 1.8.1. Quantitative Risk Analysis: Definition and Representation
- 1.8.2. Tools and Techniques
- 1.8.3. Modelling and Simulation
- 1.8.4. Sensitivity Analysis
- 1.8.5. Contingency Reserve Calculation

**1.9. Risk Response Planning and Implementation**

- 1.9.1. Develop the Risk Response Plan
- 1.9.2. Types of Threat Strategies
- 1.9.3. Types of Strategies for Opportunities
- 1.9.4. Reservation Management
- 1.9.5. Tools and Techniques
- 1.9.6. Risk Response Implementation

**1.10. Risk Monitoring**

- 1.10.1. Concept of Risk Monitoring
- 1.10.2. Tools and Techniques



“

*A high-level syllabus, designed to train students at the same level as you"*

# 06

# Methodology

This training program offers 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"*

## At TECH Business School we use the Harvard case method

Our program offers a revolutionary method of skills and knowledge development. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

“

*At TECH, you will experience a way of learning that is shaking the foundations of traditional universities around the world"*



*We are the first online university to combine Harvard Business School case studies with a 100% online learning system based on repetition.*



## A learning method that is different and innovative

This intensive program from TECH Global University School of Business prepares students to face all the challenges in this area, both nationally and internationally.

We are committed to promoting personal and professional growth, the best way to strive for success, that is why TECH uses Harvard case studies, with which we have a strategic agreement that allows us to provide our students with material from the best university the world.

“

*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.

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

## Relearning Methodology

Our university is the first in the world to combine Harvard University case studies with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance Harvard case studies 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.

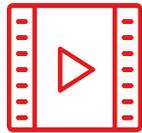
*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

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.



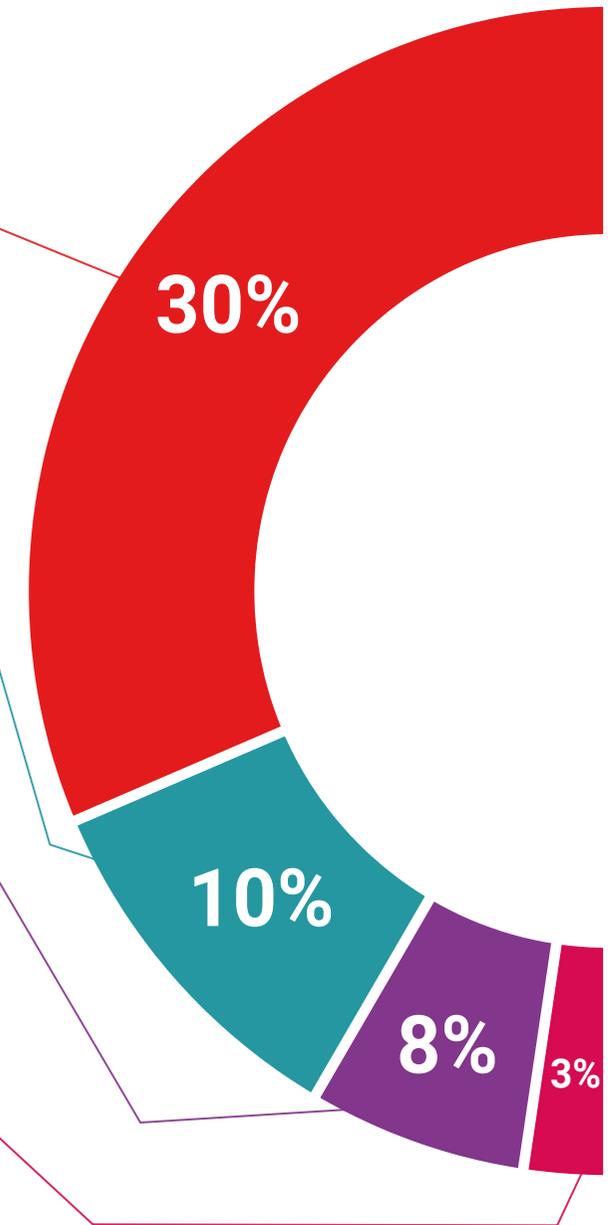
### Management Skills Exercises

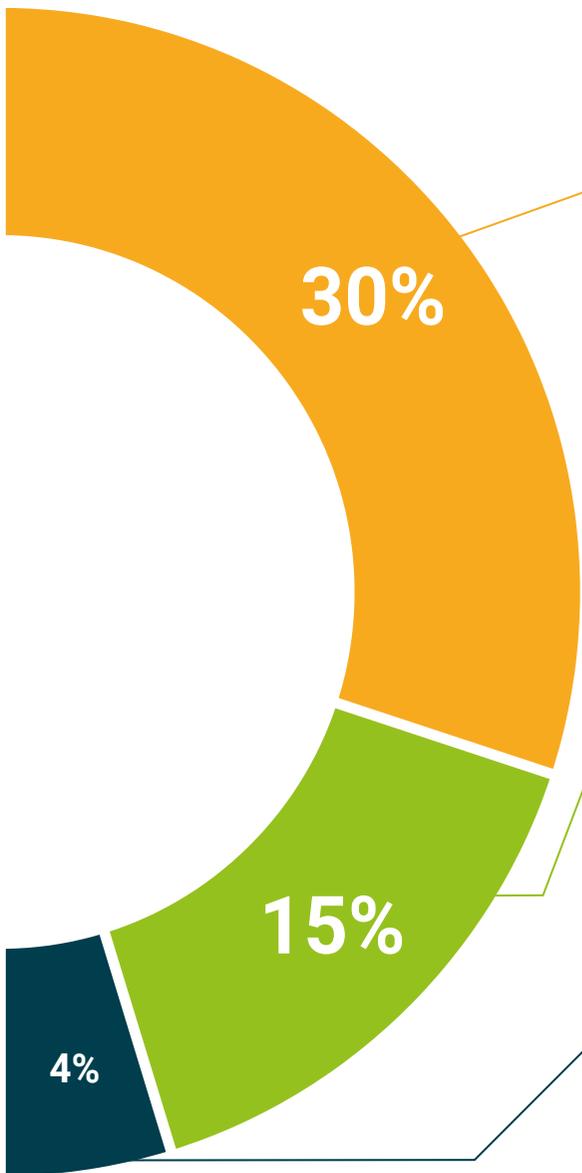
They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager needs to develop in the context of the globalization we live in.



### 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

They will complete a selection of the best business cases used at Harvard Business School. Cases that are presented, analyzed, and supervised by the best senior management specialists in Latin America.



### 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 multimedia content presentation training Exclusive system 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 your goals.



07

# Our Students' Profiles

This complete academic program in Principles of Risk Management of a Technology Project is aimed at professionals who are looking for an increase in their qualifications that will allow them to mitigate potential risks and threats in technology projects, specifically through the design and implementation of a strategic risk management plan. Likewise, this Postgraduate Certificate is ideal for all those professionals with university studies who want to intervene in this exciting field and achieve an improvement in their working conditions.





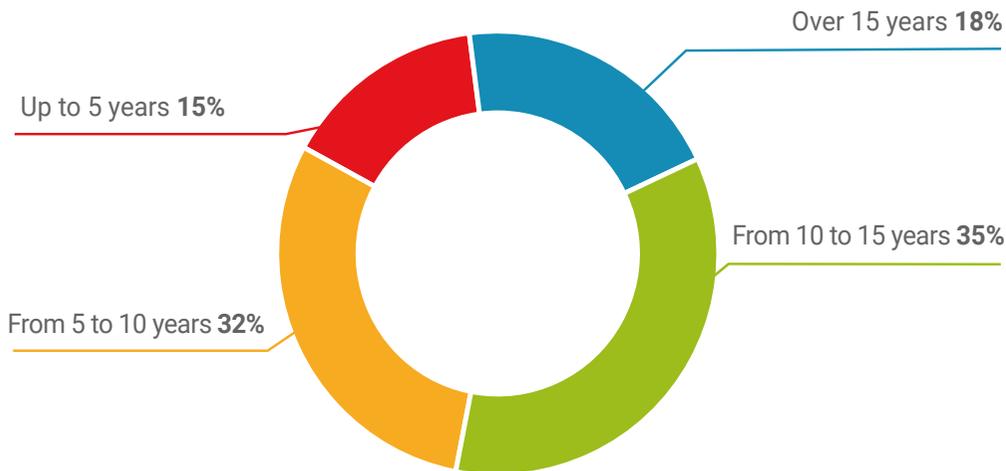
“

*We offer you the best methodology and the best syllabus to helping you reach the top"*

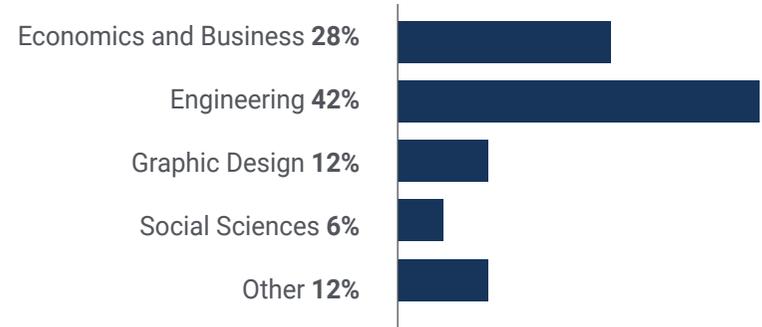
### Average Age

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

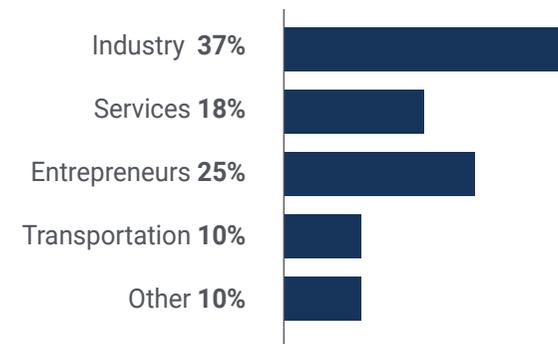
### Years of Experience



### Training

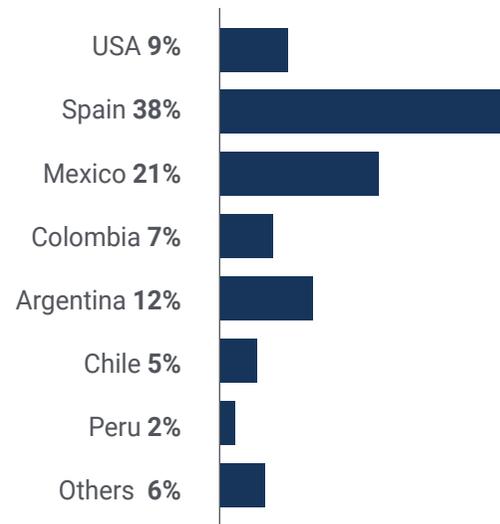


### Academic Profile



## Geographical Distribution

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## Francisco Díaz

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Technology Project Manager

*"I am a project manager in technology projects, however, I noticed that I needed an extra qualification in the area of outreach. That's why I decided to do this Postgraduate Certificate and I couldn't be happier. It has been a complete educational immersion and I recommend it to anyone who wants to delve deeper into this area"*

08

# Course Management

The program includes in its teaching staff experts of reference in the field of marketing and fashion, who contribute their years of work experience to this syllabus as well as the link they have maintained throughout their professional careers with this exclusive environment. Other experts of recognized prestige in related areas also participate in its design and elaboration, completing the syllabus of the qualification in an interdisciplinary way, making it a unique experience at an academic level for the student.



“

*Learn the latest Data Driven insights on Marketing for Luxury Brands and boost your career path to the 21st century luxury customer”*

## International Guest Director

With a long career focused on higher education, J. Michael DeAngelis has worked as a broadcaster, scriptwriter and actor. After holding various academic positions at the University of Pennsylvania, he has been appointed Associate Director of Communications and Technology at the University of Pennsylvania. There, he is in charge of producing and presenting the weekly news podcast CS Radio. He is also co-creator of the comedy podcast Mission: Rejected, in which he directs, writes and produces.

Throughout his career, he has worked for local educational television networks and radio stations in the news sections. On the other hand, after graduating from Muhlenberg College with a degree in Performing Arts, he has held the position of director of The Porch Room, a production company for podcast, film and theater. With all this, he has had the opportunity to perform different functions in the field of Communication and Entertainment. Likewise, he has performed tasks both in front of and behind the microphones in the news and entertainment field.

In particular, with the irruption of podcasts and their continuous growth, this expert has specialized in creating and producing this type of sound content. Through them, and thanks to his experience as an actor, he manages to transmit to listeners not only information and stories, but also emotions through his voice.

On the other hand, DeAngelis has been recognized on several occasions for his theatrical work, his play Drop was honored at the Samuel French Off-Off Broadway Short Play Festival in 2009. That same year, he won the New Jersey Association of Community Theatres (NJACT) Perry Award for Best Production of an Original Play for Accidents Happen. At the same time, his distinguished career has earned him membership in the Dramatist Guild of America.



## D. DeAngelis, J. Michael

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- ♦ Director of Communications and Technology at the University of Pennsylvania, United States
- ♦ Director of the production company The Porch Room
- ♦ Host of the weekly news podcast CS Radio
- ♦ Broadcaster and Podcaster
- ♦ NJACT Perry Award
- ♦ B.A. in Performing Arts from Muhlenberg College
- ♦ Graduate in Acting and Theatre Criticism from Goldsmiths College, University of London
- ♦ Member of:
  - ♦ Playwrights Guild of America



*Thanks to TECH, you will be able to learn with the best professionals in the world"*

08

# Impact on Your Career

TECH is aware that taking a program of these characteristics is a great economic, professional and, of course, personal investment. The ultimate goal of this great effort should be to achieve professional growth. For this reason, TECH puts all its efforts and tools at the student's disposal so that they can acquire the necessary skills and abilities to achieve this change.





“

*We are fully committed to helping you  
achieve the professional change you want”*

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

This intensive TECH program prepares students to face challenges and decisions in the management of Technology Projects. The main objective is to promote your personal and professional growth. Help you to achieve success.

Therefore, those who wish to improve themselves, achieve a positive change at a professional level and interact with the best, will find their place at TECH.

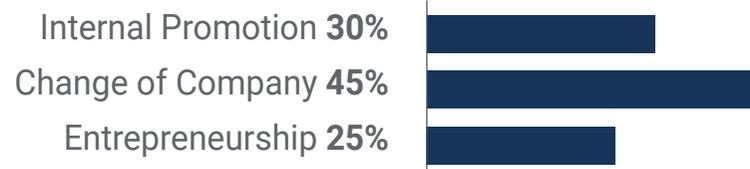
*Do not miss the opportunity to train with us and you will find the improvement you were looking for.*

*If you want to make a positive change in your profession, this is your opportunity.*

#### When the change occurs



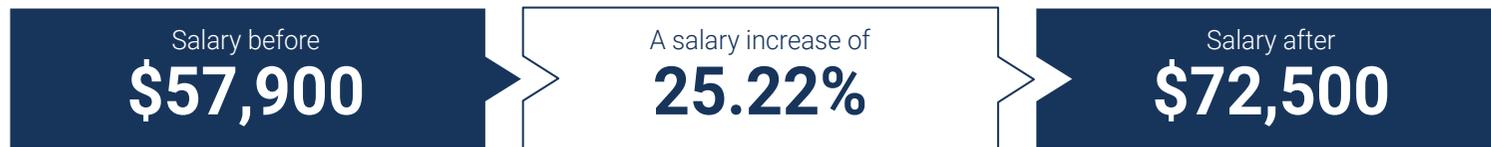
#### Type of change



## Salary increase

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This program represents a salary increase of more than **25%** for our students.



09

# Benefits for Your Company

The Postgraduate Certificate in Principles of Risk Management of a Technology Project helps raise the organization's talent to its maximum potential by training high-level leaders. Therefore, participating in this academic program will not only improve you on a personal level, but, above all, on a professional level, enhancing your training and improving your managerial skills. Additionally, joining TECH's educational community is a unique opportunity to access a powerful network of contacts in which to find future professional partners, Customers, or suppliers.





“

*After studying with us, you will be able to bring new approaches and strategies to your company that will be a bonus for its development”*

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

01

### **Intellectual Capital and Talent Growth**

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**

The manager 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 management will be able to work on a real project or develop new projects in the field of R&D or Business Development of their company.

---

06

### **Increased competitiveness**

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

# 10 Certificate

The Postgraduate Certificate in Principles of Risk Management of a Technology Project, in addition to the most rigorous and updated training, access to a Postgraduate Certificate issued by TECH Global University.



“

*Successfully complete this training and receive your diploma without travel or laborious paperwork”*

This program will allow you to obtain your **Postgraduate Certificate in Principles of Risk Management of a Technology Project** 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** title 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 Principles of Risk Management of a Technology Project**

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.



## Postgraduate Certificate Principles of Risk Management of a Technology Project

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# Postgraduate Certificate

## Principles of Risk Management of a Technology Project