

# Postgraduate Certificate Technology Project Quality Management





## Postgraduate Certificate Technology Project Quality Management

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online
- » Target Group: a: 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/technology-project-quality-management](http://www.techtute.com/us/school-of-business/postgraduate-certificate/technology-project-quality-management)

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# 01 Welcome

The program in Technology Project Quality Management at TECH Global University is an intensive program that aims to prepare professionals to be able to intervene in this type of work knowing the set of actions and tools that will avoid possible errors or deviations in the process of creating the project and therefore ensure the success of the operation. It is therefore a training that prepares the student to face challenges and business decisions in the technological field. All of this, with the main purpose of favoring your personal and professional growth, helping you to achieve success.



Postgraduate Certificate in Technology Project Quality Management.  
TECH Global University



“

*With training like this, the student is assured that he or she will be able to intervene in technological projects, ensuring their 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

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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

This Postgraduate Certificate will provide the student with the knowledge and techniques necessary to efficiently manage technological projects, positioning him/her as a director in this area and being able to guarantee quality. A training that will enable them to lead and manage projects of lesser or greater intensity and complexity, with the ability to intervene and plan smoothly and to develop successfully in all areas in which this action takes place, both internally and externally. Thus, after completing this program, you will know all the aspects that influence a technological project to meet the highest quality standards.





“

*Welcome to the training that will take  
your skills to the next level”*



TECH makes the objectives of its students its own.

We work together to achieve them.

The **Postgraduate Certificate in Technology Project Quality Management** will enable the student to:

01

Develop the skills and abilities necessary to make decisions in all types of projects, especially technological projects, multidisciplinary contexts and environments

02

Acquire the ability to analyze and diagnose business and management problems in the different areas of knowledge of project management





03

Master advanced business management tools, to know how to identify and anticipate opportunities, allocate resources, organize information, select, motivate and manage people, make decisions, achieve proposed objectives and evaluate results

04

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

05

# Structure and Content

The Postgraduate Certificate in Technology Project Quality Management is a tailor-made program that is taught in a 100% online format so that you can choose the time and place that best suits your needs. It is designed for students who want to gain an in-depth understanding of project quality management in the technology sector. 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 that will lay the foundation for your success in corporate reputation management.



“

*Content designed on the basis of the highest academic rigor and the latest developments in the profession"*

## 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 students who want to receive intensive information on all aspects of project quality management.

The syllabus will provide a theoretical deepening on the importance of guaranteeing quality management in technological projects. In this sense, students will be taught how effective quality management ensures that the project meets the needs for which it was undertaken and, therefore, the established objectives.

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 academic process.

Another key to the success of this training is the possibility of being the one who decides how to organize your learning: from the time, to the place and the intensity of the study. This way we make sure that this effort is fully compatible with your personal and professional life so that the student never loses motivation.

In this sense, the training is 100% online, although you will be able to download the contents, to continue offline if you wish.

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

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

### Module 1

### Quality Management in Technology Projects





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

TECH offers the possibility of taking 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. Quality Management in Technology Projects**

**1.1. Importance of Quality Management in Projects**

- 1.1.2. Key Concepts
- 1.1.3. Differences between Quality and Grade
- 1.1.4. Precision
- 1.1.5. Accuracy
- 1.1.6. Metrics

**1.2. Quality Theorists**

- 1.2.1. Edwards Deming
  - 1.2.1.1. Shewart-Deming Cycle (Plan Do-Check-Act).
- 1.2.2. Continuing Improvement
- 1.2.3. Joseph Juran Pareto Principle
  - 1.2.3.1. "Fitness for Use" Theory
- 1.2.4. "Total Quality Management" Theory
- 1.2.5. Kaoru Ishikawa (Herringbone)
- 1.2.6. Philip Crosby (Cost of Low Quality)

**1.3. Regulations: ISO Business School 21500**

- 1.3.1. Introduction
- 1.3.2. Background and History
- 1.3.3. Objectives and Characteristics
- 1.3.4. Process Group-Subject Group
- 1.3.5. ISO 21500 vs. PMBOK
- 1.3.6. Future of Rules

**1.4. Emerging Trends and Practices in Quality Management**

- 1.4.1. Policy Compliance and Auditing
- 1.4.2. Standards and Compliance
- 1.4.3. Continuing Improvement
- 1.4.4. Stakeholders Involvement
- 1.4.5. Recurring Retrospectives
- 1.4.6. Subsequent Retrospectives

**1.5. Planning of Quality Management**

- 1.5.1. Cost-Benefit Analysis
- 1.5.2. Multi-criteria Decision Analysis
- 1.5.3. Test and Inspection Planning
- 1.5.4. Flow Charts
- 1.5.5. Logical Data Model
- 1.5.6. Matrix Diagram
- 1.5.7. Interrelationship Digraphs

**1.6. Quality Compliance and Non-compliance Costs**

- 1.6.1. Compliance Costs
- 1.6.2. Non-compliance or Non-conformance Costs
- 1.6.3. Prevention Costs
- 1.6.4. Valuation Costs
- 1.6.5. Internal Failures
- 1.6.6. External Failures
- 1.6.7. Marginal Quality Cost
- 1.6.8. Optimum Quality

**1.7. Quality Management**

- 1.7.1. Verification Lists
- 1.7.2. Alternatives Analysis
- 1.7.3. Document Analysis
- 1.7.4. Process Analysis
- 1.7.5. Root Cause Analysis
- 1.7.6. Cause-Effect Diagrams
- 1.7.7. Histograms
- 1.7.8. Scatter Diagrams
- 1.7.9. Design for X
- 1.7.10. Quality Improvement Methods

**1.8. Quality Audits**

- 1.8.1. What Is an Internal Quality Audit?
- 1.8.2. Different Types of Audits
- 1.8.3. Objectives of an Internal Audit
- 1.8.4. Benefits of Internal Audits
- 1.8.5. Actors Involved in the Internal Audit
- 1.8.6. Procedure of an Internal Audit

**1.9. Quality Control**

- 1.9.1. Verification Sheets
- 1.9.2. Statistical Sampling
- 1.9.3. Questionnaires and Surveys
- 1.9.4. Performance Reviews
- 1.9.5. Inspection
- 1.9.6. Product Testing/Evaluation
- 1.9.7. Retrospectives and Lessons Learned



*Only with proper training will the professional be able to compete in a highly competitive job market"*





07

# 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.



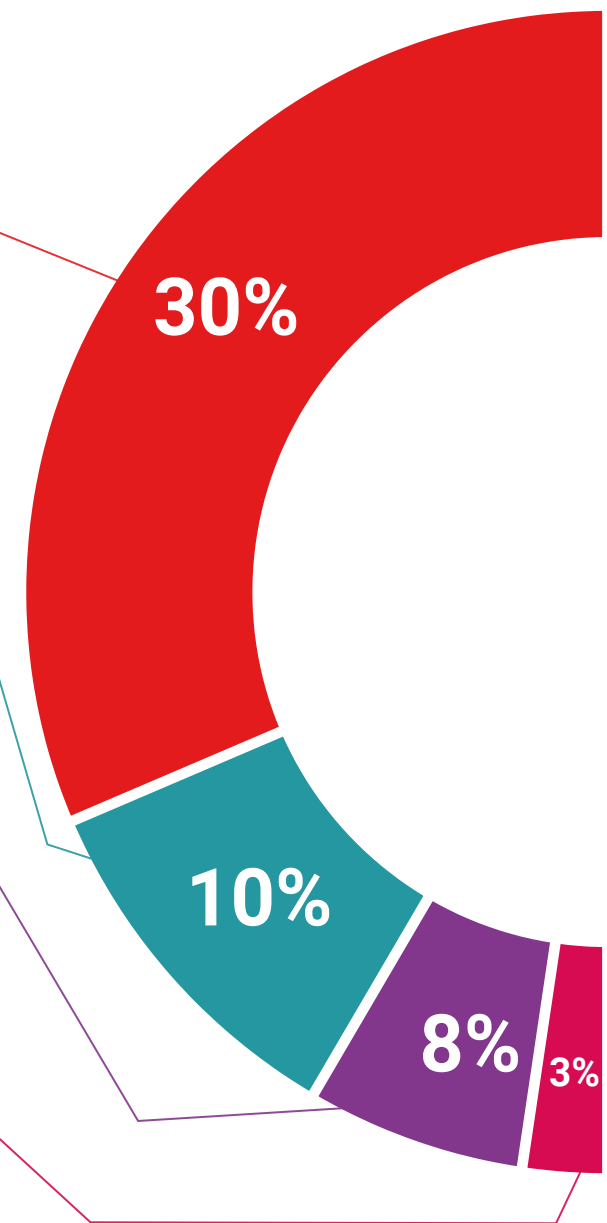
### Management Skills Exercises

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

The Postgraduate Certificate in Technology Project Quality Management is a program aimed at professionals who seek an increase in their qualification in the area of management and work with technological projects and an improvement in their possibilities in the labor field.





“

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

### Average Age

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

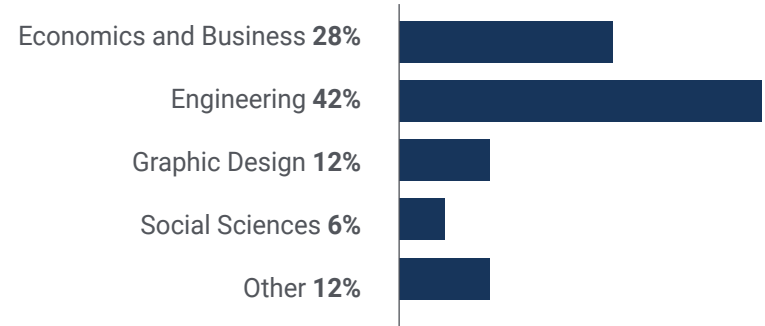
### Years of Experience

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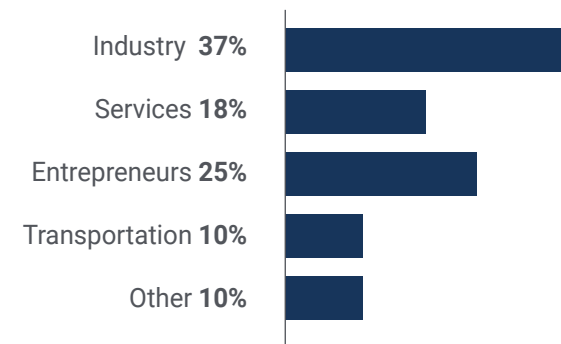
### Training

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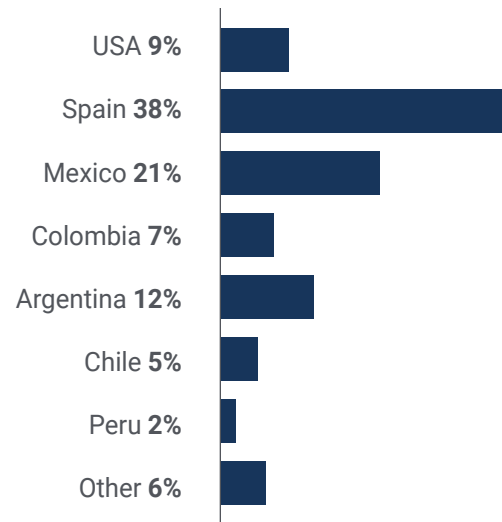
### Academic Profile

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## Geographical Distribution

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## Cesar Suárez García

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Quality management in technology companies

*"I recommend that all professionals in the technology field pursue academic programs such as this one. In my case, not only did I get a promotion, but I finally have the feeling that my career is taking off"*

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 fully aware that taking a program of this magnitude is a great economic, professional and, of course, personal investment.

Therefore, the student's ultimate goal in carrying out this great effort should be to achieve professional growth.



“

*Our challenge is to generate a positive change in your professional career. We are fully committed to helping you achieve it"*



### Ready to take the leap? Excellent professional improvement awaits

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.

If a student wants to improve themselves, make a positive change at a professional level and interact with the best, they will find their place at TECH.

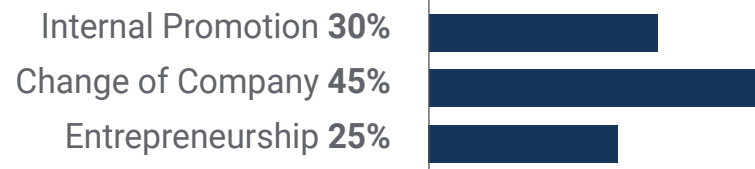
*Do not miss the opportunity to train with us and you will find the improvement you were looking for.*

*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 Technology Project Quality Management 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 executive will introduce the company to new concepts, strategies, and perspectives that can bring about significant changes in the organization.

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02

### **Retaining high-potential executives to avoid talent drain**

This program strengthens the link between the company and the executive 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.

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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 Technology Project Quality Management guarantees you, 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 university degree without travel or laborious paperwork”*

This program will allow you to obtain your **Postgraduate Certificate in Technology Project Quality Management** 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 Technology Project Quality Management**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





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