

# Postgraduate Certificate Project Management





## Postgraduate Certificate Project Management

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

Website: [www.techtute.com/us/information-technology/postgraduate-certificate/project-management](http://www.techtute.com/us/information-technology/postgraduate-certificate/project-management)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Structure and Content

---

*p. 12*

04

Methodology

---

*p. 16*

05

Certificate

---

*p. 24*

# 01

# Introduction

Thanks to this intensive program, students will learn the different stages of project management such as initiation, planning, stakeholder management and scoping. It will develop your knowledge and skills in Project Management, in a practical and rigorous way, from the comfort of your home.



“

*This Postgraduate Certificate will allow you to update your knowledge in Project Management in a practical way, 100% online, without renouncing to the maximum educational rigor”*

This program is aimed at those interested in attaining a higher level of knowledge of Project Management. The main objective is for students to apply in the real world the knowledge acquired in this Postgraduate Certificate, in a work environment that reproduces the conditions that can be found in their future, in a rigorous and realistic way.

This program will prepare scientifically and technologically, as well as to develop the professional practice of IT engineering, with a transversal and versatile approach adapted to the new technologies and innovations in this field. Students will gain extensive knowledge of Project Management from professionals in the field.

The students will be able to take the opportunity and study this program in a 100% online format, without neglecting their obligations.

This **Postgraduate Certificate in Project Management** contains the most complete and up-to-date program on the market. The most important features include:

- ◆ Development of 100 simulated scenarios presented by experts in Project Management
- ◆ Its graphic, schematic and practical contents, with which they are conceived gather scientific and practical information on Project Management
- ◆ News on the latest developments in Project Management
- ◆ It contains practical exercises where the self-assessment process can be carried out to improve learning
- ◆ Interactive learning system based on the case method and its application to real practice
- ◆ All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



*Learn the latests techniques and strategies with this program and achieve the sucess as an IT Engineer”*

“

*Learn about Project Management with this intensive program, from the comfort of your home”*

It includes in its teaching staff professionals belonging to the field of IT engineering who bring to this program their work experience, in addition to recognized specialists belonging to reference societies and prestigious universities.

Thanks to its multimedia content developed with the latest educational technology, this Postgraduate Certificate will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the students must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professionals will be assisted by an innovative interactive video system created by recognized experts in Project Management with extensive teaching experience.

*Take advantage of the latest educational technology to update on Project Management from the comfort of your home.*

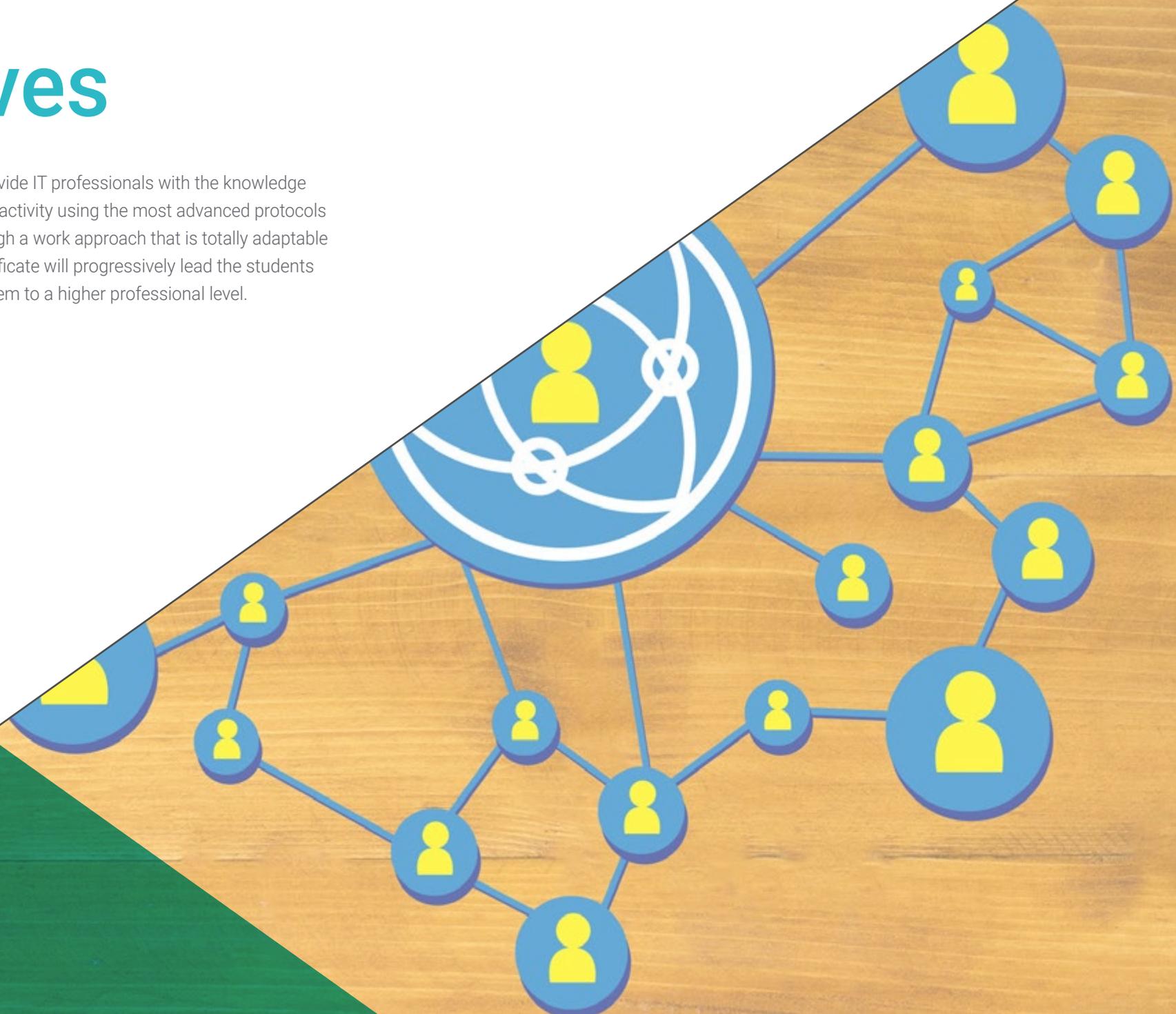
*Learn about the latest techniques in Project Management from experts in the field.*



# 02

## Objectives

The objective of this program is to provide IT professionals with the knowledge and skills necessary to carry out their activity using the most advanced protocols and techniques of the moment. Through a work approach that is totally adaptable to the student, this Postgraduate Certificate will progressively lead the students to acquire the skills that will propel them to a higher professional level.





“

*Achieve the level of knowledge you desire and master the fundamental concepts in Project Management with this high-level educational program”*



## General Objectives

---

- ◆ Prepare scientifically and technologically, as well as to develop the professional practice of software engineering, with a transversal and versatile approach adapted to the new technologies and innovations in this field
- ◆ Obtain wide knowledge in the field of computer engineering, structure of computers and in Project Management including the mathematical, statistical and physical basis which is essential in engineering

“

*Enroll in the best Postgraduate Certificate in Project Management on the current university escenario”*





## Specific Objectives

---

- ◆ Know the fundamental concepts of project management and the project management life cycle
- ◆ Understand the different stages of project management such as initiation, planning, stakeholder management and scoping
- ◆ Learn schedule development for time management, budget development and risk response
- ◆ Understand how quality management works in projects, including planning, assurance, control, statistical concepts and available tools
- ◆ Understand the functioning of the processes of procurement, execution, monitoring, control and closure of a project
- ◆ Acquire the essential knowledge related to the professional responsibility derived from project management

03

# Structure and Content

The structure of the contents has been designed by a team of IT Engineering professionals, aware of the relevance of current education to delve into this field of knowledge, in order to humanistically enrich the students and raise the level of knowledge in Project Management through the latest educational technologies available.





“

*This Postgraduate Certificate in Project Management, contains the most complete and up-to-date of learning program on the market”*

## Module 1. Project Management

- 1.1. Fundamental Concepts of Project Management and the Project Management Lifecycle
  - 1.1.1. What is a Project?
  - 1.1.2. Common Methodology
  - 1.1.3. What is Project Management?
  - 1.1.4. What is a Project Plan?
  - 1.1.5. Benefits
  - 1.1.6. Project Life Cycle
  - 1.1.7. Process Groups or Project Management Life Cycle
  - 1.1.8. The Relationship between Process Groups and Knowledge Areas
  - 1.1.9. Relationships between Product and Project Life Cycle
- 1.2. Start-Up and Planning
  - 1.2.1. From the Idea to the Project
  - 1.2.2. Development of the Project Record
  - 1.2.3. Project Kick-Off Meeting
  - 1.2.4. Tasks, Knowledge and Skills in the Startup Process
  - 1.2.5. The Project Plan
  - 1.2.6. Development of the Basic Plan. Steps
  - 1.2.7. Tasks, Knowledge and Skills in the Planning Process
- 1.3. Stakeholders and Outreach Management
  - 1.3.1. Identification of Stakeholders
  - 1.3.2. Develop Plan for Stakeholder Management
  - 1.3.3. Manage Stakeholder Engagement
  - 1.3.4. Control Stakeholder Engagement
  - 1.3.5. The Objective of the Project
  - 1.3.6. Scope Management and its Plan
  - 1.3.7. Gathering Requirements
  - 1.3.8. Define the Scope Statement
  - 1.3.9. Create the WBS
  - 1.3.10. Verify and Control the Scope
- 1.4. The Development of the Time-Schedule
  - 1.4.1. Time Management and its Plan
  - 1.4.2. Define Activities
  - 1.4.3. Establishment of the Sequence of Activities
  - 1.4.4. Estimated Resources for Activities
  - 1.4.5. Estimated Duration of Activities
  - 1.4.6. Development of the Time-Schedule and Calculation of the Critical Path
  - 1.4.7. Schedule Control
- 1.5. Budget Development and Risk Response
  - 1.5.1. Estimate Costs
  - 1.5.2. Develop Budget and S-Curve
  - 1.5.3. Cost Control and Earned Value Method
  - 1.5.4. Risk Concepts
  - 1.5.5. How to Perform a Risk Analysis
  - 1.5.6. The Development of the Response Plan
- 1.6. Quality Management
  - 1.6.1. Quality Planning
  - 1.6.2. Assuring Quality
  - 1.6.3. Quality Control
  - 1.6.4. Basic Statistical Concepts
  - 1.6.5. Quality Management Tools
- 1.7. Communication and Human Resources
  - 1.7.1. Planning Communications Management
  - 1.7.2. Communications Requirements Analysis
  - 1.7.3. Communication Technology
  - 1.7.4. Communication Models
  - 1.7.5. Communication Methods
  - 1.7.6. Communications Management Plan
  - 1.7.7. Manage Communications
  - 1.7.8. Management of Human Resources
  - 1.7.9. Main Stakeholders and their Roles in the Projects
  - 1.7.10. Types of Organization
  - 1.7.11. Project Organization
  - 1.7.12. The Work Equipment



- 1.8. Procurement
  - 1.8.1. The Procurement Process
  - 1.8.2. Planning
  - 1.8.3. Search for Suppliers and Request for Quotations
  - 1.8.4. Contract Allocation
  - 1.8.5. Contract Administration
  - 1.8.6. Contracts
  - 1.8.7. Types of Contracts
  - 1.8.8. Contract Negotiation
- 1.9. Execution, Monitoring and Control and Closure
  - 1.9.1. Process Groups
  - 1.9.2. Project Execution
  - 1.9.3. Project Monitoring and Control
  - 1.9.4. Project Closure
- 1.10. Professional Responsibility
  - 1.10.1. Professional Responsibility
  - 1.10.2. Characteristics of Social and Professional Responsibility
  - 1.10.3. Project Leader Code of Ethics
  - 1.10.4. Liability vs. PMP®
  - 1.10.5. Examples of Liability
  - 1.10.6. Benefits of Professionalization



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

# 04

# Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.



“

*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## Case Study to contextualize all content

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

“

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



*You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.*



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

### A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and professional reality is taken into account.

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

The case method has been the most widely used learning system among the world's leading Information Technology schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question that you are presented with in the case method, an action-oriented learning method. Throughout the course, students will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

## Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

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

*In 2019, we obtained the best learning results of all online universities in the world.*

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our university is the only one in the world authorized to employ this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.



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

This methodology has trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, and financial markets and instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

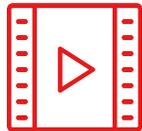
*Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.*

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.



This program offers the best educational material, prepared with professionals in mind:



### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



### Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



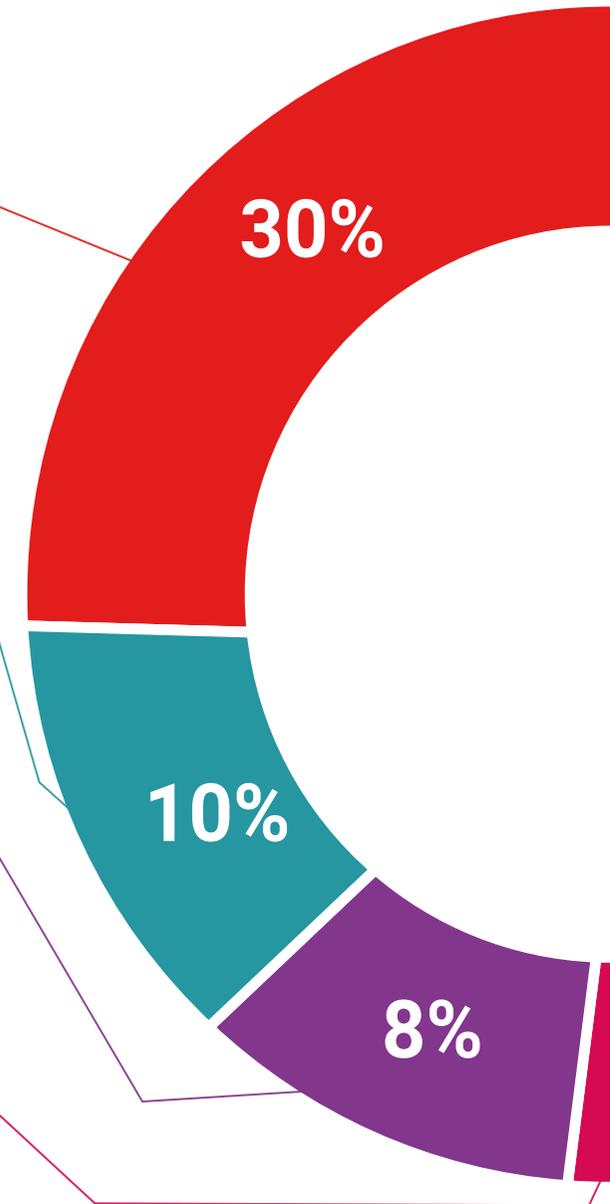
### Practising Skills and Abilities

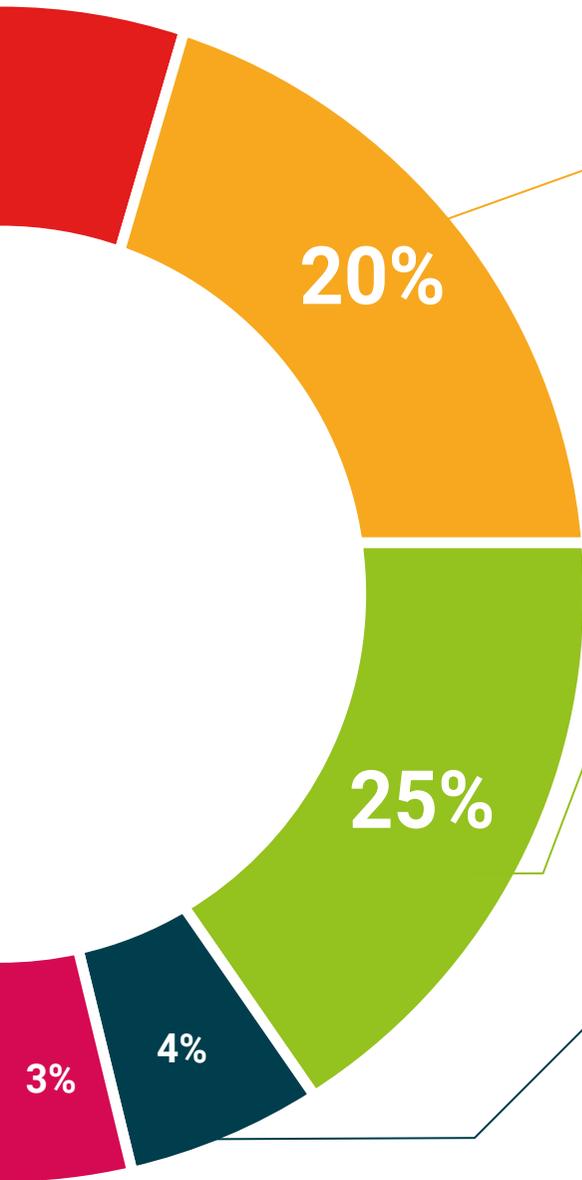
They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





#### Case Studies

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best specialists in the world.



#### Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



# 05 Certificate

The Postgraduate Certificate in Project Management guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



“

*Successfully complete this program and receive your Postgraduate Certificate without having to travel or fill out laborious paperwork”*

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

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



\*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
online training  
development language  
classroom



## Postgraduate Certificate Project Management

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

# Postgraduate Certificate Project Management

