Executive Master's Degree
Project Management with Predictive Methodologies

MPMPM

tech global university

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Executive Master's Degree
Project Management
with Predictive
Methodologies

- » Modality: **online**
- » Duration: **12 months**
- » Certificate: **TECH Global University**
- » Credits: **60 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**
- » Target Group: **IT professionals who want to specialize in Project Management with predictive methodologies**

Website: **www.techtitute.com/us/school-of-business/professional-master-degree/master-project-management-predictive-methodologies**

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01
Welcome

Project Management is a transversal discipline applicable to practically all technological areas. The use of predictive methodologies in this field is directed towards the achievement of the objectives set, taking into account the circumstances that may occur in the environment and that may affect the final result. The focus of this TECH project is the comprehensive development of the skills of a professional project manager, prepared to face the challenge of managing large projects in a multinational environment and at the same time, able to adapt his or her management to more modest and short-term project environments. In this way, the aim is to create professionals with management and executive skills in Project Management who are capable of acting in the environment of a large company or organization, with the ability to relate and influence at different levels both within the company and as representatives of clients and suppliers.

Executive Master's Degree in Project Management with Predictive Methodologies.
TECH Global University

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" *A program that will allow you to manage, with total security, successful projects that will be a great competitive advantage for your company"*

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

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:

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 studies in the academic community"

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 (a postgraduate learning methodology with the highest international rating) with the Case Study. A complex balance between tradition and state-of-the-art, within the context of the most demanding academic 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.

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 Executive Master's Degree from TECH is designed to strengthen the professional skills of project managers, thanks to the knowledge of the main developments in the field of predictive methodologies. In addition, it will allow them to develop new competencies and skills that will be essential in their professional development. After completing this program, students will be able to make global decisions with an innovative perspective and an international vision, which is essential in today's globalized business environment.

Increase your education and achieve your work objectives thanks to the superior specialization offered by TECH Global University with this Executive Master's Degree"

Your goals are our goals
We work together to help you achieve them

The **Executive Master's Degree in Project Management with Predictive Methodologies** will enable the student to:

01 Develop expertise in project, program and portfolio management

04 Determine why it is good practice to divide the project into phases

02 Determine how project management fits within organizations

03 Provide an overview of the different functional areas of a company or organization and their relationship with Project Management

05 Analyze the applicable process framework within each phase

06 Analyze the set of essential techniques for a professional Project Manager

08 Analyze the main globally standardized process frameworks for managing predictive projects
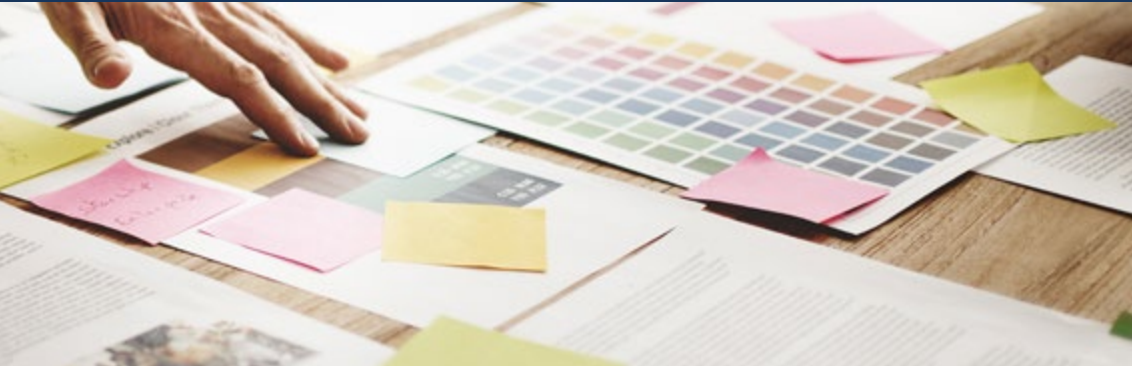
09 Examine the main differential elements between the main process frameworks

07 Determine how performance facts are to be communicated to the monitoring committee to make data-driven decisions

10 Determining the role of the Business Analyst in Predictive Projects

11 Generate specialized knowledge about the practical tools and techniques used by Business Analysts

14 Expand in a practical way the use of representative tools

12 View tools as a means, rather than a goal, in Project Management

13 Categorize the tools applicable to Project Management

15 Develop a global understanding of the meaning and purpose of leadership in order to make a good and conscious use of people and team management tools

16 Integrate and use these tools in the day-to-day work of the project manager, as well as leadership and team management models, to facilitate the work of project management

18 Encourage self-criticism to achieve better results in their management and to continue to make continuous progress

19 Analyze the organizational structure of a multinational company and its influence on project management

17 Provide the project manager with the necessary guidelines to manage his or her practices and know how to identify successful and unsuccessful results

20 Generate specialized knowledge on the information security measures that a project manager should be aware of
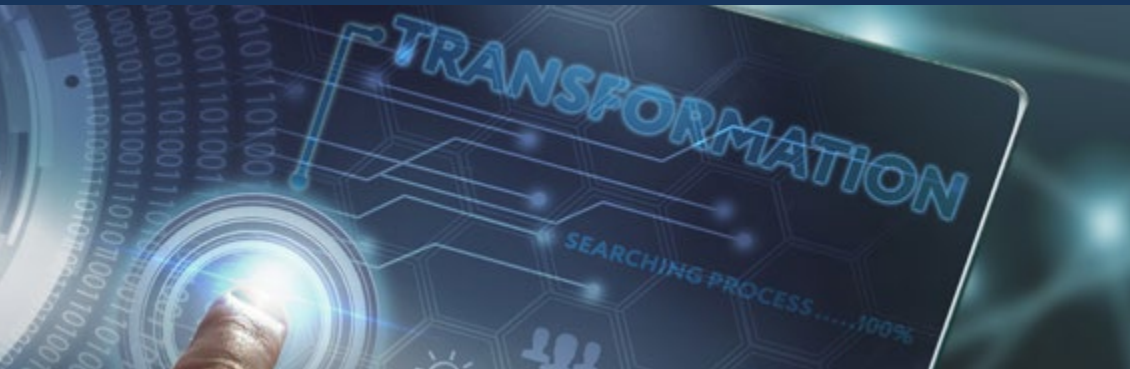
Skills

The Executive Master's Degree in Project Management with Predictive Methodologies has been designed to improve the competitiveness of professionals in the sector. Upon completing the program, students will have acquired the necessary skills in perform quality and up-to-date work based on the most innovative teaching methodology. Undoubtedly, a program that will improve their skills and allow them to be more competitive in their daily practice.

"
Successful project management requires professionals with specific skills.For this reason, TECH offers you the completion of his program"

01 Manage projects in a large organization environment

04 Manage projects in a multinational environment

02 Working as line managers in operational or support departments

03 Have an integrated vision aimed at always maximizing the results of the projects and their benefits for the business and the beneficiaries of their execution

05 Manage team members and project Stakeholders

06 Act as a true manager/catalyst for change in organizations

08 Represent the company and the project to customers and suppliers
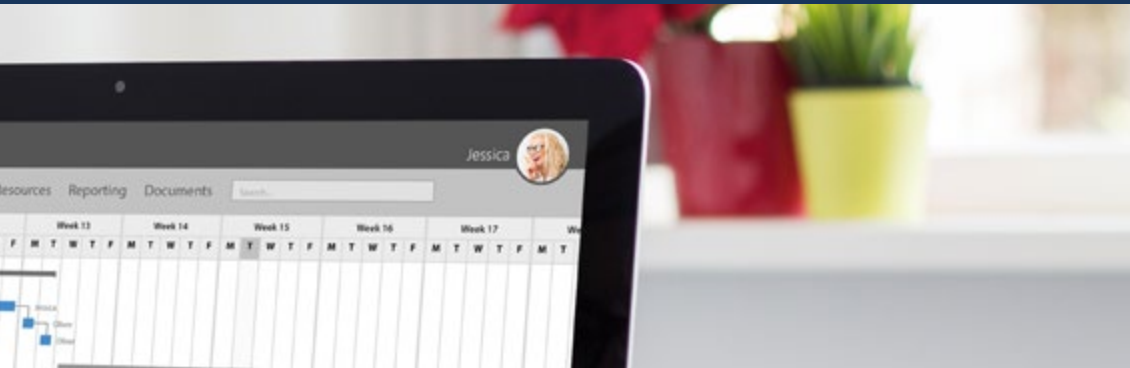
09 Know, in-depth, the environment and predictive methodologies that can help to act safely

07 Acting in the environment of a large company or organization

10 Understand the different management approaches and strategies to meet the challenge of achieving project objectives

Structure and Content

The Executive Master's Degree in Project Management with Predictive Methodologies is a program that is taught in a fully online format, so that students can choose the time and place that best suits their availability, schedules and interests. Undoubtedly, it is a unique opportunity for those who have limited time to dedicate to study. A program that takes place over 12 months and is intended to be a unique and stimulating experience that lays the foundation for professional success in Project Management.

This program will enable you to develop the skills you need to be successful in Project Management"

Syllabus

The Executive Master's Degree in Project Management with Predictive Methodologies of TECH Global University is an intensive program that prepares students to face challenges and business decisions in the field of integrated project management. Its content is designed to promote the development of managerial skills that enable more rigorous decision-making in uncertain environments.

Throughout 1,500 hours of study, the student will face a multitude of practical cases through individual work, which will allow you to acquire the necessary skills to develop successfully in your daily practice. It is, therefore, an authentic immersion in real business situations.

This program deals in depth with different areas of the company and is designed for managers to understand project management from a strategic, international and innovative perspective.

A plan designed especially for students, focused on their professional improvement and preparing them to achieve excellence in the field of management and business management. A program that understands your needs and those of your company through innovative content based on the latest trends, and supported by the best educational methodology and an exceptional faculty, which will provide you with the competencies to solve critical situations in a creative and efficient way.

The program takes place over 12 months and is divided into 10 modules:

Module 1	Project Management with Predictive Methodologies
Module 2	Management: Business Organization and Project Management
Module 3	Project Life Cycles in Predictive Methodologies
Module 4	Hard Skills for Project Management
Module 5	Predictive Project Management Methodologies and Frameworks
Module 6	Requirements Management in Predictive Projects
Module 7	Technological Tools to Aid Predictive Project Management
Module 8	Leadership and People Management. Project Management and Change Management in Large Organizations
Module 9	Competencies and Soft Skills for Project Managers
Module 10	Legal Aspects for Project Management

Where, When and How is it Taught?

TECH offers the possibility of developing this Executive Master's Degree in Project Management with Predictive Methodologies completely online. Over the course of 12 months, 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. Project Management with Predictive Methodologies

1.1. Project Management
1.1.1. Projects Vs. Operations. Process and Project
1.1.2. Project Management Relevance
1.1.3. VUCA Environments and Project Management
1.1.4. Environment Overview: Predictive Methodologies and Agile Environments

1.2. Project, Program and Portfolio Management
1.2.1. Differences between Project, Program and Portfolio Management
1.2.2. Alignment with the Business and the Organization's Strategy
1.2.3. Organizational Project Management (OPM)

1.3. Organizational Structure of the Project
1.3.1. The Project Manager's Role, Functions and Attributions
1.3.2. Functions and Responsibilities
1.3.3. The Project Team
1.3.4. Customer Orientation and Results Orientation

1.4. The Project Management Process: Activities and Management Areas
1.4.1. Management Effort Vs. Execution Effort
1.4.2. Management Areas in Any Project
1.4.3. Project Management Methodology in the Organization

1.5. Project Life Cycle in the Organization
1.5.1. Life Cycles in the Organization Depending on the Type of Projects (R&D, Implementation, Product Design, etc.)
1.5.2. Internal Standardization: Standard Lifecycle in the Organization
1.5.3. Projects and Subprojects, Phases and Activities

1.6. Project Undertaking Environments
1.6.1. Environments and Reasons to Undertake Projects. Project Selection
1.6.2. Company Projects and Projects Guided by the Administration. Contracting Processes Vs. Bidding
1.6.3. Offer and Commitment to the Client and the Promoter. Definition Vs. Project Formulation
1.6.4. Relationship Between the Execution Environment and the Methodology to be Used

1.7. Evaluation of Project Results
1.7.1. Project Performance Evaluation Techniques
1.7.2. Internal Evaluation of Results for the Organization
1.7.3. Fulfillment of Requirements Vs. Satisfaction of Customer Expectations
1.7.4. Value Assurance and Long-Term Effects

1.8. Project Management in the Context of Large Systems
1.8.1. Relationship between Project Management and Systems Engineering
1.8.2. Systemic view of Project Management
1.8.3. Influence of the Degree of Complexity on Project Management

1.9. Project Management in the Context of Small Organizations
1.9.1. Project Management as applied in the SME Environment
1.9.2. Micro-projects and Adaptation of the Methodology
1.9.3. Project Management Outsourcing

1.10. Current Trends in Project Management
1.10.1. Neither Predictive nor Agile: Hybridization
1.10.2. Lean Project Management
1.10.3. Projects and Digital Transformation
1.10.4. Impact of New Technologies on Project Management

Module 2. Management: Business Organization and Project Management

2.1. Organization and Functional Areas of an Organization

2.1.1. Management of the Organization: Shareholders' Meeting, Steering Committee and Chief Executive Officer
2.1.2. Cross-cutting Areas: Finance, HR, Quality, Purchasing, Logistics
2.1.3. Commercial, Product and Marketing Areas
2.1.4. Operational Areas by Processes and Projects. R&D, Production Engineering, Facilities, Operations
2.1.5. Sales (pre-sales, post-sales), Operations and Maintenance Support

2.2. Organizational Structures Oriented to Project Management

2.2.1. Types of Organization in the Structure of the Company
2.2.2. Matrix-type Organizational Structures Oriented to Project Execution
2.2.3. Complexity of Relationships between Functional Areas. Resource Sharing

2.3. Corporate Finance and Economics

2.3.1. Financial Information and Decision Making
2.3.2. Financial Statements. Balance Sheet and Income Statement
2.3.3. Investment Analysis. Change in Monetary Value over Time

2.4. Cost Management

2.4.1. Classification and Types of Costs
2.4.2. Allocation of Direct and Indirect Costs
2.4.3. Cost Management Associated with Project Management

2.5. Quality Applied to Project Management

2.5.1. Product Quality and Project Quality
2.5.2. Relationship between Committed Scope and Quality
2.5.3. Quality Control Vs. Assuring Quality
2.5.4. Value Generation and Elimination of Waste

2.6. Project Financial Management

2.6.1. Analysis of Project Profitability
2.6.2. The Project as an Investment. ROI (Return on Investment)
2.6.3. Project Financing

2.7. People Management.

2.7.1. HR Department Functions and Processes
2.7.2. People Management as a Strategic Element in an Organization
2.7.3. Development and Career Plans. Definition of the Role of the Project Manager

2.8. The Project Management Office (PMO)

2.8.1. Functions and Types of PMO
2.8.2. Strategic Management Support
2.8.3. People Management Support
2.8.4. Logistics and Procurement Support

2.9. Project Management and Change Management

2.9.1. Change Management
2.9.2. Projects as an Element of Change in Organizations
2.9.3. Change Management applied to Project Management

2.10. Business Analysis and Project Management

2.10.1. Business Value Analysis Processes
2.10.2. Relationship between BA and Project, Program and Portfolio Management
2.10.3. The Role of the Project Manager in Business Analysis

Module 3. Project Life Cycles in Predictive Methodologies

3.1. Project Development Life Cycles
3.1.1. Waterfall Project Development Life Cycles
3.1.2. Agile Project Development Life Cycles
3.1.3. Hybrid Project Development Life Cycles

3.2. The Generic Life Cycle for Project Management
3.2.1. Product Life Cycle vs. Project
3.2.2. Phases of a Project
3.2.3. Phase Revisions

3.3. Project Start
3.3.1. Project Start-up and Definition Issues
3.3.2. Act of Incorporation of a Predictive Project
3.3.3. Agile Project Charter

3.4. Modelling of Project Management Elements
3.4.1. Requirements Planning
3.4.2. Work Package Planning
3.4.3. Activity Planning

3.5. Complete Project Modelling
3.5.1. Scope Baseline
3.5.2. Baseline Schedule
3.5.3. Baseline Costs and Financing

3.6. Project Management Plan
3.6.1. Stakeholder, Communications and Resource Management Planning
3.6.2. Quality Management Planning and Procurement
3.6.3. Risk Planning

3.7. Direction and Management of Project Execution
3.7.1. Leading the Team
3.7.2. Involve Stakeholders
3.7.3. Knowledge Management
3.7.4. Implement Risk Response
3.7.5. Quality Management
3.7.6. Procurement

3.8. Monitoring and Control of the Technical Performance of the Project
3.8.1. Control of Baselines
3.8.2. Control of Resources
3.8.3. Risk Control
3.8.4. Quality Control
3.8.5. Procurement Control

3.9. Project Governance
3.9.1. Project Governance Structures: PMO, Monitoring Committee and Change Control Committee
3.9.2. Monitoring Communications and Stakeholder Engagement
3.9.3. Functions of the Project Monitoring Committee
3.9.4. Functions of the Project Change Control Committee

3.10. Project or Phase Closure
3.10.1. Essential Tasks in Closing
3.10.2. The Lessons Learned Register
3.10.3. Common Errors in Closing
3.10.4. Administrative Closing and Customer Closing
3.10.5. Closure and Dissolution of the Project Team

Module 4. Hard Skills for Project Management

4.1. Project Lines: Scope, Time and Cost
4.1.1. Scope Baseline
4.1.2. Baseline Schedule
4.1.3. Cost Baseline

4.2. Scope, Schedule and Cost Planning
4.2.1. Duration and Cost Estimation Techniques
4.2.2. Planning of Financing Requirements
4.2.3. PERT Method

4.3. Monitoring and Control of Scope, Schedule and Costs
4.3.1. Critical Path Method
4.3.2. Critical Chain Method
4.3.3. Earned Value Method

4.4. Project Management Scorecard
4.4.1. Visual Representation of the Progress Information
4.4.2. Qualitative and Quantitative Scorecards
4.4.3. Key KPI and OKR Indicators

4.5. Risk Management.
4.5.1. Uncertainty, Threat, Opportunity and Assumption
4.5.2. Risk Planning
4.5.3. Control Risks

4.6. Qualitative Risk Management
4.6.1. Risk Decomposition Structures
4.6.2. Risk Identification Techniques
4.6.3. Probability x Impact Matrix

4.7. Quantitative Risk Management
4.7.1. Expected Monetary Value Method
4.7.2. Decision Tree Method
4.7.3. Tornado Diagram Method

4.8. Calculation of Reserves
4.8.1. Term and Budget Reserves
4.8.2. Contingency Reserves
4.8.3. Management Reserves

4.9. Project Follow-up
4.9.1. Status Reports
4.9.2. Progress Reports
4.9.3. Change Log

4.10. Monte Carlo Simulation
4.10.1. Application of the Monte Carlo Simulation Method
4.10.2. Simulation of Time and Cost Range
4.10.3. Monte Carlo with Excel

Module 5. Predictive Project Management Methodologies and Frameworks

5.1. Differences between a Framework and a Management Methodology
5.1.1. Historical Evolution of Predictive Project Management Methodologies
5.1.2. Standards, Frameworks and Best Practice Guidelines
5.1.3. Main Project Management Doctrine Generating Agencies

5.2. PMI (Project Management Institute)
5.2.1. The PMI Organization
5.2.2. The Professional Project Manager (The Talent Triangle)
5.2.3. Other PMI Qualifications

5.3. PMI's Project Management Framework: The PMBOK Guide
5.3.1. People in Project Management
5.3.2. Business Environment in Project Management
5.3.3. Project Management Processes

5.4. Other PMI Management Frameworks
5.4.1. Program Management Standard
5.4.2. Portfolio Management Standard
5.4.3. Organizational Project Management Maturity Standard

5.5. ISO-21500
5.5.1. Project Management Process Groups
5.5.2. Project Management Subject Matter Groups
5.5.3. Project Management Process Framework

5.6. PRINCE2
5.6.1. Principles of Project Management
5.6.2. Project Management Topics
5.6.3. Project Management Processes

5.7. Framework IPMA
5.7.1. Project Management Perspectives
5.7.2. People in Project Management
5.7.3. Project Management Practices

5.8. Project Management Methodology (PM2)
5.8.1. Governance and Project Management Life Cycle
5.8.2. Project Management Processes
5.8.3. Project Management Artifacts

5.9. Logical Framework Approach (LFA)
5.9.1. Areas of Application of MLE
5.9.2. Project Matrix: Objectives, Results, Activities,
5.9.3. Practical Examples EML

5.10. PM4R
5.10.1. Project Start
5.10.2. Project Planning
5.10.3. Project Monitoring and Control

Module 6. Requirements Management in Predictive Projects

6.1. Requirements Management in Predictive Projects

6.1.1. Business Analysis in Projects
6.1.2. Project and Product Requirements
6.1.3. Obtaining Project Requirements

6.2. Requirements Management

6.2.1. Inadequate Requirements Management as a Cause of Project Failure
6.2.2. The Role and Function of the Business Analyst, According to the PMI®.
6.2.3. PMI-PBA® Certification
6.2.4. Project Management Institute (PMI®): A Practical Guide to Business Analysis
6.2.5. International Institute of Business Analysis (IIBA®): Business Analysis Body of Knowledge® (BABOK®)
6.2.6. Requirements Management Domains
6.2.7. Types of Project Requirements

6.3. Business Needs Assessment

6.3.1. Business Need
6.3.2. Value Proposition
6.3.3. Project Objectives
6.3.4. Identification of Interested Parties
6.3.5. Stakeholder Values

6.4. Requirements Management Planning

6.4.1. Context of the Project
6.4.2. Requirements Traceability Planning
6.4.3. Requirements Management Planning
6.4.4. Requirements Change Management Planning

6.5. Requirements Analysis

6.5.1. Compilation of Requirements
6.5.2. Analysis, Decomposition and Elaboration of Requirements
6.5.3. Comparison of the Requirements with the Product Scope
6.5.4. Location of Requirements
6.5.5. Obtaining Formal Approval of Requirements
6.5.6. Specification of Requirements
6.5.7. Validation of Requirements
6.5.8. Specification of Acceptance Criteria

6.6. Traceability and Requirements Control

6.6.1. Traceability of Requirements
6.6.2. Requirements Status Monitoring
6.6.3. Requirements Status Update
6.6.4. Communication of Requirements
6.6.5. Management of Changes in Requirements

6.7. Evaluation of Requirements Management

6.7.1. Validation of Test Results
6.7.2. Analysis of Non-Conformities (*Solution Gaps*)
6.7.3. Obtaining Formal Approval of the Solution
6.7.4. Evaluation of the Results of the Solution

6.8. Risk Management Associated with Project Requirements

6.8.1. Risk Identification Based on Project and Product Requirements
6.8.2. Specific Risks Related to Requirements Management
6.8.3. Risk Management Plan Associated with Requirements Traceability
6.8.4. Real Options for Requirements Inaccuracy

6.9. Quality Management Associated with Requirements Management

6.9.1. Project Quality and Quality Requirements
6.9.2. Requirements Management as a Critical Factor for Project Success
6.9.3. Project Quality Vs. Conformity to Requirements

6.10. Competencies Associated with Requirements Management

6.10.1. Business Vision
6.10.2. Complex Projects: Complexity Management
6.10.3. Systemic Thinking
6.10.4. Knowledge of the Political and Social Environment
6.10.5. Multiculturalism
6.10.6. Facilitation Skills

Module 7. Technological Tools to Aid Predictive Project Management

7.1. Technological Requirements in Project Economics
7.1.1. Project Economics
7.1.2. The Project Manager'sTechnology Quotient
7.1.3. New Technological Needs and Solutions in Project Economics

7.2. Roles for Collaborative Project Management
7.2.1. Ways to Organize Projects
7.2.2. Demand Management Roles
7.2.3. Supply Management Roles

7.3. Requirements Analysis Tools
7.3.1. Mind Mapping Tools
7.3.2. Data Modelling Tools
7.3.3. Prototyping Tools

7.4. Communication Tools in Virtual Teams
7.4.1. Tools for Sharing Multimedia Objects
7.4.2. File Sharing Tools
7.4.3. Video-conferencing Tools

7.5. Instant Messaging Tools
7.5.1. Practices with Telegram
7.5.2. Teams Internships
7.5.3. Internships with Slack

7.6. Task Management Tools
7.6.1. Practices with Trello
7.6.2. Internship with Planner
7.6.3. Practices with Asana

7.7. Project Scheduling Tools
7.7.1. Practical Dates Planning Practices
7.7.2. Cost Planning Practices
7.7.3. Date and Cost Control Practices

7.8. Reporting Tools
7.8.1. Practice with Graphs
7.8.2. Practices with Pivot Tables
7.8.3. Power BI Internships

7.9. Project Governance Tools
7.9.1. Portfolio and Program Management Internships
7.9.2. Multi-project Management Internships
7.9.3. Practices with Dashboards

7.10. The Future of Project Automation
7.10.1. Artificial Intelligence Applied to Projects
7.10.2. Blockchain Applied to Projects
7.10.3. Big Data Applied to Projects

Module 8. Leadership and People Management. Project Management and Change Management in Large Organizations

8.1. Evolution of Management. Types of Leadership

8.1.1. From Team Management to Project Management, Leader and Manager (Kotter's Model)
8.1.2. Leading People
8.1.3. Managing People (Management)

8.2. Leading in VUCA Times

8.2.1. The Challenges of the New Normal
8.2.2. New Competencies to Develop to Be a Leader Adapted to the Vuca World
8.2.3. Leadership in a Hybrid World (the Impact of New Models of Face-to-Face, Virtual, Hybrid Work)

8.3. Leadership in Project Management

8.3.1. From Project Kick Off to the Closing & Learn Model
8.3.2. Management of Interrelationships Within and Outside the Team to Keep the Project Moving Forward
8.3.3. Communication Milestones, Information and Feedback

8.4. Change Management in Organizations

8.4.1. The Change Management Model (Kotter)
8.4.2. The Change Curve (Kubler Ross)
8.4.3. From the Business Strategy to the Concrete Project

8.5. Situational Leadership Model (Blanchard and Hersey)

8.5.1. Professional Maturity Level
8.5.2. Motivation Level
8.5.3. Adaptation to Circumstances, Context and Collaborators

8.6. Transformational Leadership Bas

8.6.1. From Motivation to Inspiration
8.6.2. To Give Meaning and Ethics, Exemplification in an Honest Dialogue
8.6.3. Constant Preparation as Adaptation and Anticipation of the Future

8.7. Commitment Management

8.7.1. Commitment
8.7.2. Commitment Management
8.7.3. How Engagement is Managed

8.8. Performance Management

8.8.1. Objectives
8.8.2. Conduct
8.8.3. Skills
8.8.4. Personal Development Plans

8.9. P.E.R.A. Management Model.

8.9.1. Plan – Execute
8.9.2. Reporting – Feedback
8.9.3. Sense of Urgency and Action Plans

8.10. The Leadership Contract or the Accountability Model of Vince Molinaro

8.10.1. Responsibility
8.10.2. From Challenge to Action
8.10.3. Management of Difficult Situations and Decisions
8.10.4. The Transversal Network: Network of the Future, the New Social Business Model
8.10.5. Conclusions: Review of the Integration of the Models in Our Daily Leadership in Management and Project Management

Module 9. Competencies and Abilities (Soft Skills) for Project Managers

9.1. Competencies of the Project Manager
9.1.1. Technical Competencies
9.1.2. Competencies as a Leader Manager
9.1.3. Competencies as a Team Leader
9.1.4. Adaptation of Competencies to Remote, Digital and Virtual Leadership. Differences with Face-to-Face Relationships
9.1.5. Training for Continuous Skills Improvement for the 21st Century Through Core Skills

9.2. Communication, an Essential Competency
9.2.1. Communication.
9.2.2. Ask Questions
9.2.3. Listening with all Senses

9.3. Inspiring: Vision, Empathy and Assertiveness
9.3.1. Inspire with Vision
9.3.2. Empathy, Putting Yourself in Other People's Places
9.3.3. Defense of their Own and the Project's Interests

9.4. Negotiation and Conflict Management
9.4.1. Negotiation and Stakeholder Relations
9.4.2. Mediation and Conflict Resolution
9.4.3. Courageous Conversations

9.5. Personal Productivity and Effectiveness
9.5.1. Time Management
9.5.2. Personal Organization
9.5.3. Resilience and Stress Management

9.6. Decision-Making
9.6.1. Requests for Justified Alternatives
9.6.2. Speed in the Decision-Making Process (Sense of Urgency)
9.6.3. Decision-making Tools
9.6.4. The Key to Databases (Big Data)
9.6.5. Application of the Test and Learn Model

9.7. Ethics and Professional Responsibility for Project Management
9.7.1. Ethics in the Management of Projects
9.7.2. Application of Ethical Criteria
9.7.3. Making Difficult Decisions

9.8. Initiative, Curiosity, Proactivity, Creativity and Innovation.
9.8.1. Training Keys for Proactivity and Initiative
9.8.2. Creativity Training Exercises
9.8.3. Systematics for Moving from Creativity to Innovation

9.9. Teamwork
9.9.1. Stages of Team Maturity
9.9.2. Collaboration for Creativity
9.9.3. Management of Enriching and Satisfying Meetings and Encounters
9.9.4. Feedback and Feedforward: the Keys to Giving, Asking for and Receiving Feedback
9.9.5. Feedback of Recognition, Constructive Criticism by Measuring Feedforward
9.9.6. Action Plans using the CSS Tool (Continue Start Stop)

9.10. Competence Development of the Project Manager
9.10.1. "Competence Gap".
9.10.2. Growth and Improvement Options and Strategies
9.10.3. Personal Development Plan
9.10.4. "Our Results Are Our Teachers."

Module 10. Legal Aspects for Project Management

10.1. Organization of a Multinational

10.1.1. Characteristics of Multinational Enterprises
10.1.2. Types of Organizations according to their Structure and Degree of Decentralization
10.1.3. Role of the Legal Department and Identification of Stakeholders with Regulatory or Legal Influence

10.2. Project Management in an International Environment. International Contracting Budgets

10.2.1. Legal Fractionation and Permeability
10.2.2. Object. Conceptual Precisions
10.2.3. Sectors of Private International Law
10.2.4. Principle of Relativity
10.2.5. Regulatory Sources

10.3. Legal Environment for a Project Manager

10.3.1. Liability Mechanisms for Contractual Agreements
10.3.2. Contract and Contract Management
10.3.3. Obligations and Duties According to the Type of Contract
10.3.4. Monitoring of Compliance with Contractual Obligations

10.4. Bodies to Turn to in the Event of a Conflict in the Project. Jurisdiction and Enforcement of Judgements

10.4.1. Exclusive Forums and General Forum
10.4.2. Forum on Real Property Rights and Lease Agreements
10.4.3. Forum on Legal Entities
10.4.4. Validity or Nullity of Entries in Public Records
10.4.5. Special Forums
10.4.6. Contractual Obligations Forum
10.4.7. Non-contractual Obligations Forum
10.4.8. Relevant Obligation
10.4.9. Express and Tacit Submission
10.4.10. Lis Pendens and Connectivity
10.4.11. Basic Notions on Jurisdiction and Enforcement of Judgements

10.5. Responsibility

10.5.1. Product Liability
10.5.2. Third-Party Liability
10.5.3. Insurance to be Contracted

10.6. Alternative Dispute Resolution (ADR) Mechanisms Applied to Project Management

10.6.1. Arbitration. Contractual Requirements for Requesting Arbitrations
10.6.2. Functioning of an Arbitration Court
10.6.3. Mediation and Conciliation International Mediation
10.6.4. Advantages and Disadvantages

10.7. Legal Aspects of Supplier Management

10.7.1. Procurement Cycle (Purchasing) in the Company
10.7.2. Procurement Control Mechanisms
10.7.3. Legal Risks of the Relationship with the Supplier
10.7.4. Insurance and Penalties. Advantages and Disadvantages

10.8. Requirements for Effective Third-Party Communication in the Legal Field

10.8.1. Information Security and Privacy Measures
10.8.2. Data Protection. National and International Aspects. GDPR
10.8.3. Direct Marketing and Legitimate Interest
10.8.4. Corporate Control of the Employee
10.8.5. Types of Relationship with Third Parties
10.8.6. Complaints and Dispute Resolution

10.9. Internet Regulatory Framework

10.9.1. Regulation, Self-Regulation and Co-Regulation
10.9.2. Internet Governance and Domain Name Management
10.9.3. Network Neutrality and Technological Convergence
10.9.4. Rights on the Internet: Right to Honor, Right to Privacy, Image Rights
10.9.5. E-Commerce and Consumers
10.9.6. Intellectual Property in the Internet Field. Copyrights
10.9.7. Digital Assets and Protection Measures
10.9.8. Protection of the Online Marketplace

10.10. Costs and Risks for the Project Associated with Regulations and Legality

10.10.1. Identification and Prioritization of Risks Based on Legal Aspects
10.10.2. Estimate of Legal Costs and Reserves to be Included in the Project Budget
10.10.3. Legal Impact Control in an International Environment
10.10.4. The PMO (Project Management Office). Legal Aspects
    10.10.4.1. Legal and PMO Support to Project Management

10.10.4.2. Legal Aspects of Project Regulations to be Generated and Controlled from a PMO
10.10.4.3. Project Management under Agreements and Grants
10.10.4.4. Types of Official Project Reports: Executive Summary, Reports, Evaluations, Assessments, Audits and Reviews. Legal Aspects to be Included or Complied with

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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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.

30%

10%

8%

3%

30%

15%

4%
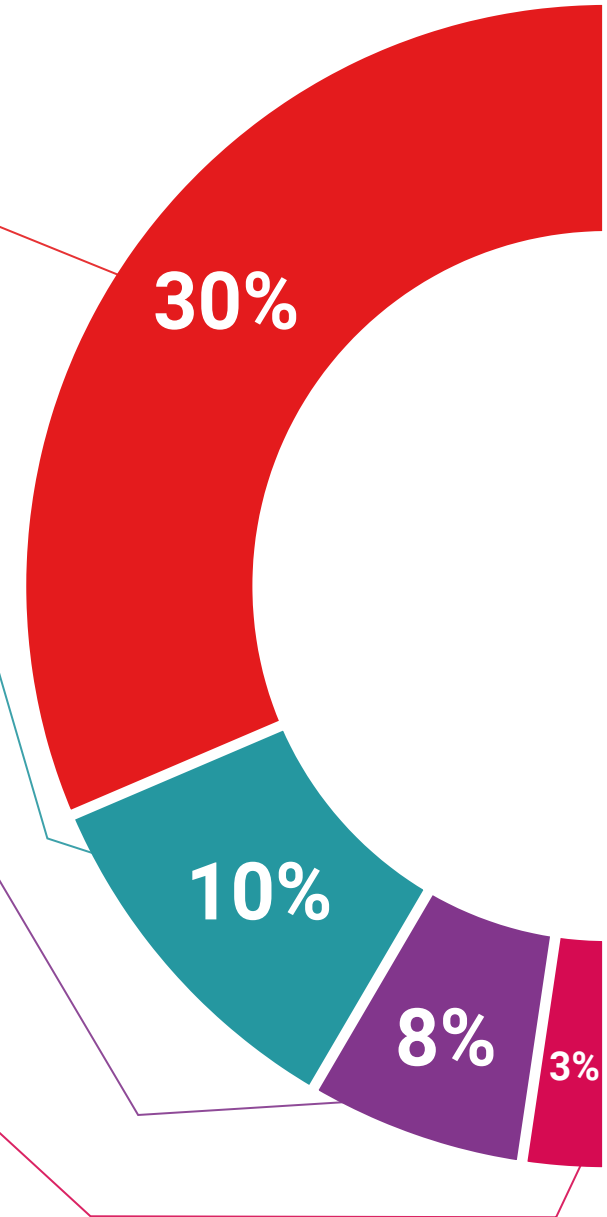
Case Studies

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.

Our Students' Profiles

The Executive Master's Degree in Project Management with Predictive Methodologies is a program aimed at professionals who wish to improve their skills through quality education. Students who want to update their knowledge, discover new ways to manage projects and advance their careers. A program aimed at professionals with experience, but who believe in continuous updating of knowledge as a method for personal and professional improvement.

TECH students are professionals with extensive experience who are looking for a better job"

Average Age

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

Years of Experience

More than 15 years **24%**

Up to 5 years **17%**

5 to 10 years **30%**

10 to 15 years **29%**

Training

Economics and Business **32%**

Design **15%**

Engineering **32%**

Social Sciences **8%**

Other **13%**

Academic Profile

Corporate Management **23%**

Project Manager **32%**

Entrepreneurs **20%**

Industry **15%**

Other **10%**
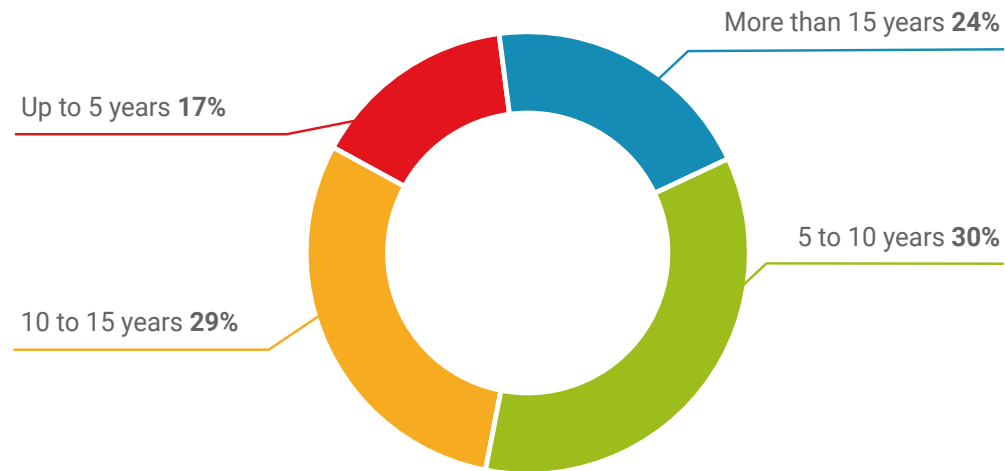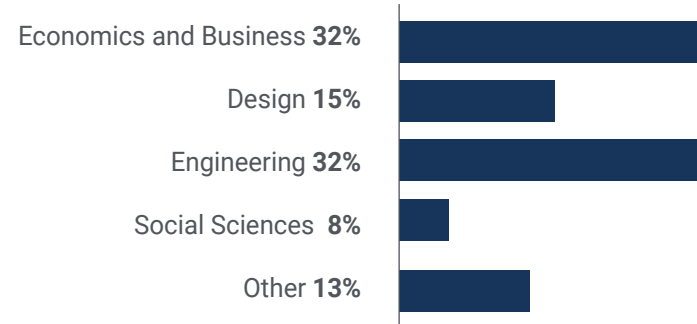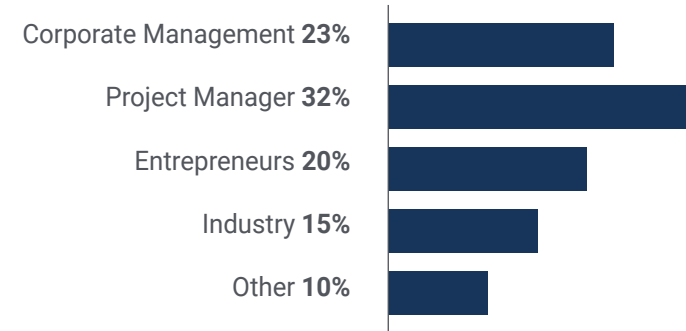
Geographical Distribution

USA **9%**	
Spain **38%**	
Mexico **21%**	
Colombia **7%**	
Chile **5%**	
Argentina **12%**	
Peru **2%**	
Others **6%**	
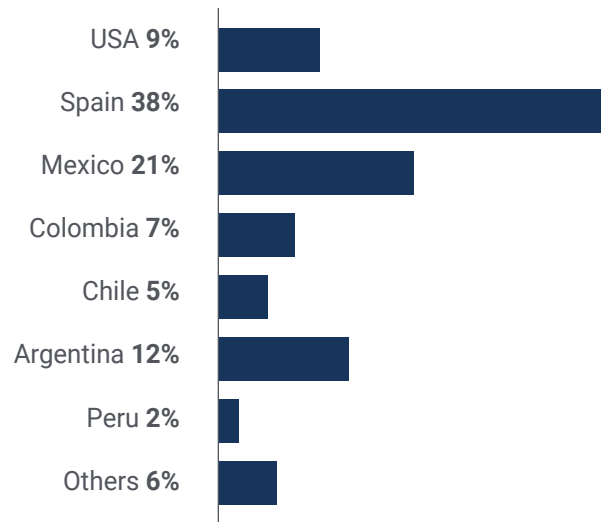
Jaime Díaz

Project Manager

"Although I had been working in Project Management for years, I felt that I had become stagnant. Therefore, I decided to broaden my studies and catch up with new work methodologies. Luckily, I found this TECH Executive Master's Degree, which has given me the opportunity to improve my daily practice, achieving the skills demanded by today's companies. Undoubtedly, it has been the boost I needed to improve in my profession"

Course Management

The teachers of this Executive Master's Degree in Project Management with Predictive Methodologies are professionals with extensive experience in the sector, both professionally and educationally. People with great prestige who understand the importance of higher education to achieve a better qualified community, capable of adapting to the changes in society and the demands of companies. In this way, TECH teachers have compiled the most updated information on this subject to offer it to their students in a faithful and didactic way.

The faculty of this program has selected the most relevant information for your professional development"

Management

Mr. Pérez Pérez, Manuel Felipe

- Senior Project Manager – EQUIDEA
- Project Manager - AYDEM Consulting
- Consultant/Trainer in Organizational Development and Project Management
- Head of Training for Postgraduate Studies of the College of Computer Engineers of Madrid
- Technical Telecommunications Engineering - UPM
- Telecommunication Systems Engineering - UPM
- European Engineer EUR-ING - FEANI
- PMP ® (Project Management Professional) - PMI ID: 1767390 Nov 2014
- Advanced Agile Project Management Program. SCRUM

Professors

Mr. Barato, José
- Director of PMPEOPLE
- Freelance Trainer
- Telecommunications Engineer. Polytechnic University of Madrid
- PMP ® (Project Management Professional) ID: 70285
- PMI-ACP ® (Agile Certified Practitioner) ID: 1624784
- Diploma in Accounting and Finance. ESINE
- Regular Speaker at Project Management Conferences

Ms. Abeijón Pérez, Isabel
- Legal Director in Spain, Portugal and Andorra for KIKO Milano
- Real Estate Director
- Professor of Postgraduate Studies. CPIICM
- Associate Professor at the College of Computer Experts of Madrid.
- Trainer and Instructional Designer of Online Content. AYDEM CONSULTING S.L
- Law Degree. Autonomous University of Madrid
- Degree in Business Administration and Management. Autonomous University of Madrid
- Researcher on the Development of Legal Competencies in Groups without Legal Backgrounds

Ms. Servajean, Maitena
- General Manager, Representative of Bedor Excem in Spain
- Executive Coaching and Human Resources Mentoring
- Master's Degree in Hispanic Philology. Jean Jaurés University - (Toulouse le Mirail)
- Certified in Coaching by CCUI (International Corporate Training University).
- Superior Women and Leadership Program. Rafael del Pino Foundation
- Certified in Values Transformation Tools

Dr. García Nieto, Evelyn
- Engineer in charge of the Department of surgical planning, design, additive manufacturing and management of customized systems at Maxilaria Surgery, S.L.
- Biomedical Engineer at Meirovich Consulting
- Director of organization of the Iberian Society of Biomechanics and Biomaterials (SIBB) Congresses
- PhD in Engineering from the Polytechnic University of Madrid.
- Industrial Engineer by the ETSI Industrial - Polytechnic University of Madrid.
- Mechanical Engineer from the University of Pinar del Río-Cuba

Mr. Gómez de la Parra García, Pablo
- Service Manager of complex projects in T-Systems ITC Iberia SAU
- Degree in Computer Engineering-UAM
- Master's Degree in Cybersecurity Research
- PMP ® (Project Management Professional)
- Associate Professor at the College of Computer Experts in Madrid

10

Impact on Your Career

TECH Global University is aware that taking a program of these characteristics is a great economic, professional and, of course, personal investment for the student. The ultimate goal of this great effort should be to achieve professional growth. This is achieved thanks to an academic program that offers the best educational offer of the moment in this sector. A program designed to support students at the educational level, so that they develop the necessary skills to successfully manage in this field.

" *TECH puts all of its academic resources at the disposal of its students so they acquire the necessary skills that will lead them to success"*

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

The Executive Master's Degree in Project Management with Predictive Methodologies at TECH Global University is an intensive and highly valuable program aimed at improving students' job skills in an area of wide competence. Undoubtedly, it is a unique opportunity to improve professionally, but also personally, as it involves effort and dedication.

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

The completion of this Executive Master's Degree will allow students to acquire the necessary competitiveness to make a radical change in their career.

A program of high academic standing to lead your career to success.

When the change occurs

| During the program **25%** | During the first year **40%** | After 2 years **35%** |

Type of change

Internal Promotion **33%**
Change of Company **39%**
Entrepreneurship **28%**
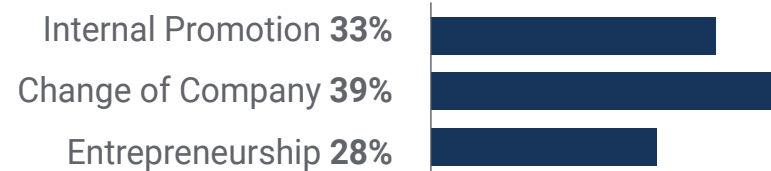
Salary increase

This program represents a salary increase of more than **25.22%** for our students

Salary before	A salary increase of	Salary after
$57,900	**25.22%**	**$72,500**

11

Benefits for Your Company

The Executive Master's Degree in Project Management with Predictive Methodologies contributes to elevate the organization's talent to its maximum potential through the specialization of high-level leaders. A program that adapts to students so they acquire the necessary tools that, later on, they will be able to apply in their daily practice, achieving great benefits for their company. In addition, participating in this academic itinerary is a unique opportunity to access a powerful network of contacts in which to find future professional partners, clients or suppliers.

It provides your company with a global vision of Project Management and offers new perspectives that will lead your business to success"

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 executive and opens new avenues for professional growth within the company.

03 Building agents of change
The professional 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.

tech

05

Project Development
The professional will be work on a current project or develop new projects in the field of R&D or Business Development within their company.

06

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

12
Certificate

The Executive Master's Degree in Project Management with Predictive Methodologies guarantees students, in addition to the most rigorous and up-to-date education, access to an Executive Master's Degree issued by TECH Global University.

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

This program will allow you to obtain your **Executive Master's Degree diploma in Project Management with Predictive Methodologies** 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.
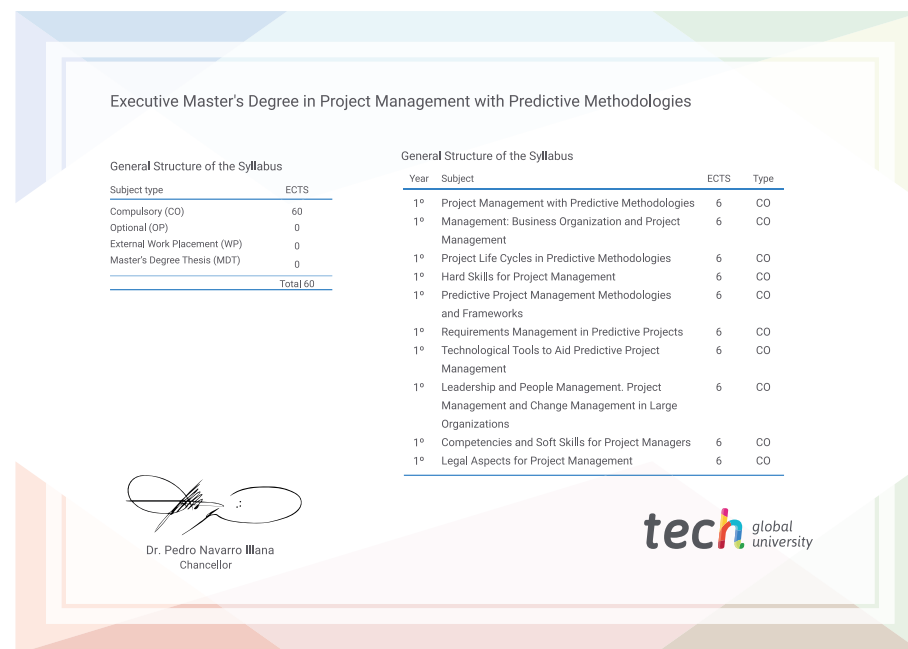
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Executive Master's Degree in Project Management with Predictive Methodologies**

Modality: **online**

Duration: **12 months**

Accreditation: **60 ECTS**

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tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

**Executive Master's Degree in Project Management
with Predictive Methodologies**

This is a program of 1,500 hours of duration equivalent to 60 ECTS, with a start date of dd/mm/yyyy
and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st
of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Rector

Unique TECH Code: AFWORD23S   techtitute.com/certificates

Executive Master's Degree in Project Management with Predictive Methodologies

General Structure of the Syllabus

Subject type	ECTS
Compulsory (CO)	60
Optional (OP)	0
External Work Placement (WP)	0
Master's Degree Thesis (MDT)	0
Total	60

General Structure of the Syllabus

Year	Subject	ECTS	Type
1º	Project Management with Predictive Methodologies	6	CO
1º	Management: Business Organization and Project Management	6	CO
1º	Project Life Cycles in Predictive Methodologies	6	CO
1º	Hard Skills for Project Management	6	CO
1º	Predictive Project Management Methodologies and Frameworks	6	CO
1º	Requirements Management in Predictive Projects	6	CO
1º	Technological Tools to Aid Predictive Project Management	6	CO
1º	Leadership and People Management. Project Management and Change Management in Large Organizations	6	CO
1º	Competencies and Soft Skills for Project Managers	6	CO
1º	Legal Aspects for Project Management	6	CO

Dr. Pedro Navarro Illana
Chancellor

tech global university

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*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.

![tech global university]

Executive Master's Degree
Project Management with Predictive Methodologies

- » Modality: **online**
- » Duration: **12 months**
- » Certificate: **TECH Global University**
- » Credits: **60 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**

Executive Master's Degree
Project Management with Predictive Methodologies