

Postgraduate Certificate Construction Project Contract Management



Postgraduate Certificate Construction Project Contract 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/engineering/postgraduate-certificate/construction-project-contract-management

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01

Introduction

If you want to learn how to optimally manage, analyze and fulfill contracts in construction projects, you will definitely need effective training. In order to successfully work as a *Contract Manager*, watching over and protecting the company's position and resolving any possible setbacks that may arise, TECH has designed this complete program that was created with the main purpose of providing the professional with a series of core skills in this area. This will be done through quality training, full of theoretical material and accompanied by practical cases that will help the student learn to face real situations.



“

Thanks to this complete Postgraduate Certificate, you will learn how to successfully manage construction contracts and you will become an essential professional in large-scale projects"

This Postgraduate Certificate will provide an exhaustive analysis of everything related to contracts in construction projects, from the functions of the *contract manager*, relations with other project agents, analysis of the main factors of the work and stages to be carried out in contract management.

In addition, key aspects of successful contract management such as penalties, guarantees and arbitration/disputes will be discussed. All of the above will be internalized by the professional through an eminently practical training that can be applied by the engineer in each and every stage of construction.

Upon finishing this Postgraduate Certificate, the professional will know how to manage a construction contract in international environments, paying special attention to the critical points that may affect the deadlines and costs of its execution. This will make our students much more competent and prepared to work in a variety of environments.

All this, throughout a 100% online training that provides the student with the ease of being able to take it wherever and whenever they want. You will only need a device with internet access, and you will be able to access a universe of knowledge that will be the main basis for engineers to position themselves in a sector that is increasingly demanded by companies in various sectors.

This **Postgraduate Certificate in Construction Project Contract Management** contains the most complete and up to date educational program on the market.

The most important features of the program include:

- ◆ Practical cases presented by experts in International Projects in Construction
- ◆ The graphic, schematic, and eminently practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ◆ Practical exercises where the self-assessment process can be carried out to improve learning
- ◆ Special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ◆ Access to content from any fixed or portable device with an Internet connection



Position yourself as a prestigious Contract Manager through the Postgraduate Certificate that this university offers you today"

“*Thanks to this program, you will be able to position yourself in a sector that is requiring more and more engineering experts in this subject”*

Study wherever and whenever you want, and dedicate the time you deem appropriate. As it is online training, you will be the one who decides your rhythm of studying.

You are just one click away from immersive training that will take your professional skills to another level.

The program's teaching staff includes professionals from the sector who contribute their work experience to this specialization program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive training programmed to train in real situations.

This program is designed around Problem Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced engineers with vast experience.



02

Objectives

This Postgraduate Certificate will focus on providing engineers with a series of competencies and skills that will enable them to manage contracts in construction projects, taking into consideration all the necessary aspects for them to be valid and taking care of the company's interests. All of this with the confidence and efficiency of a program which has been created to boost professionals in the management and planning of contracts. This is done from a global point of view that includes everything from arbitration and possible disputes, to guarantees, insurance and penalties.





“

All the programs of this university are designed with the objective of training the best professionals in the sector”



General Objectives

- ◆ Manage the contracts of large-scale projects
- ◆ Perform an in-depth breakdown of guarantees, disputes and insurance in the construction industry
- ◆ Master project management on a global basis

“

Materialize your professional growth by studying at TECH”





Specific Objectives

- ◆ Gain in-depth knowledge of the characteristics and functions of Contract Management
- ◆ Discuss, in detail, the importance of contract management
- ◆ Establish the interaction with other project agents
- ◆ Analyze the contract management processes
- ◆ Analyze and evaluate the main stages in project management
- ◆ Break down the project factors to be managed by the contract manager

03

Course Management

This Postgraduate Certificate in Construction Project Contract Management has a teaching team made up of prestigious professionals in this area, who bring their years of experience as well as the knowledge they have acquired from research in the field to the course, all with the aim of providing the professional with a set of skills to successfully practice in the area of construction project contract management. In this way, this teaching staff will train the professional to manage contracts in national and international environments with greater guarantees of success.



“

In this Postgraduate Certificate, you will be able to count on the experience of renowned professionals who bring all the experience of their years of work to the training”

International Guest Director

With an extensive professional career of more than 20 years focused on project management and operational transformations, Pierre-Yves Galopin is a prominent international expert in the field of Construction Engineering. He has spent most of his career in reference entities in countries such as France, Finland and Chile. In this way, he has held important positions as General Technical Director, where he has provided holistic advice to projects in the bidding, construction and operation phase on a global scale.

As such, he has worked directly in more than 40 operations, in addition to having negotiated more than 200 contracts in various sectors such as Heavy Industry, Mining, Oil and Gas. His work philosophy is based on achieving operational excellence, which has driven him to remain at the forefront of areas such as external cost maintenance, as well as the different phases of studies in construction. Thanks to this, it is considered a reference in the optimization of large investment projects through the disruptive methodology of Value Engineering.

In his constant effort to promote progress in the construction sector, he has developed multiple specialized articles on his findings and research. In fact, he is one of the people in charge of preparing press releases in the Communication Department of Boston Consulting Group. As such, he has contributed to increase the knowledge of citizens in aspects such as the applications of Artificial Intelligence in commercial activities, the management of Greenfield or Brownfield investment projects and even the most recent trends in construction materials. In this regard, he highly values networking networks and is an active participant on LinkedIn, where he takes the opportunity to make key connections, share industry knowledge and stay up-to-date on industry opportunities.



Dr. Galopin, Pierre-Yves

- ♦ Associate Director and Partner at Boston Consulting Group, Boston, United States
- ♦ Director of Development Projects at Sembcorp Industries, Santiago de Chile
- ♦ Co-Founder and Advisor at Tellus Chile
- ♦ Operations Manager at OSD Pipelines, Chile
- ♦ EPCM Engineer at Hatch, Chile
- ♦ Area Manager and Civil Engineer at Bouygues, Finland
- ♦ Civil Engineer at Degremont, Paris
- ♦ Management Consultant at Partners in Performance, Latin America

“

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

Management



Mr. Ruiz Cid, Martin Joaquín

- ◆ Technical Director EPC Project Group - EPC Project Manager Leader at Soltec Energías
- ◆ Industrial Technical Engineer specializing in Mechanics/Structures from the Polytechnic University of Cartagena.
- ◆ Industrial Engineer in Electricity from the Polytechnic University of Cartagena.
- ◆ Master's Degree in Power Electronics and Adaptive Control
- ◆ MBA in Strategic Company Management from UNED (National Distance Learning University)
- ◆ Master's Degree in Renewable Energies and the Environment
- ◆ Professional Project Manager Course
- ◆ EPC Turnkey Project Management Course
- ◆ Industrial Instrumentation Course



04

Structure and Content

With this syllabus, the engineer will be able to make a global review of all the aspects that are involved in Contract Management. Through this complete course, which incorporates all the fields of work which involve the management of contracts for large construction projects, the student will develop their theoretical and practical knowledge, achieving professional and personal growth that will allow them to intervene in this field of work with confidence of an expert. You will achieve this through top-notch content designed by the best professionals in the industry.



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In this course you have a perfect mix of theoretical and practical content designed especially for you to learn how to put into practice everything you have studied"

Module 1. Project Contract Management

- 1.1. Contract Management in Projects
 - 1.1.1. Analysis of Contract Management in Projects
 - 1.1.2. Need for Contract Management
 - 1.1.3. Objectives of the Contract Management
- 1.2. Functions of the *Contract Manager*
 - 1.2.1. Main Functions of the CM in a Project
 - 1.2.2. Characteristics of the CM Position
 - 1.2.3. Indicators of the Contract Management
- 1.3. Process of the Contract Management
 - 1.3.1. Design of a Contract Management Plan
 - 1.3.2. Stages of the Management Plan
 - 1.3.3. Adversities in the Contract Management
- 1.4. Success Factors in the Management of a Contract
 - 1.4.1. Analysis of the Main Success Factors
 - 1.4.2. Planning and Evolution of Contract Management
 - 1.4.3. Performance Management and Stakeholder Relationships
- 1.5. Main Stages of Contract Management
 - 1.5.1. Planning and Execution
 - 1.5.2. Control and Monitoring During Execution
 - 1.5.3. Control and Monitoring After Execution
- 1.6. Factors to Take Into Account in the Management of the Construction Contracts
 - 1.6.1. Setting Objectives and Strategies
 - 1.6.2. Design Phase and Construction in *Lump Sum* Type Contracts
 - 1.6.3. Relations with Contractors





- 1.7. Challenges of a Contract Manager
 - 1.7.1. Successful Contract Management and Administration
 - 1.7.2. Management of Communications With the Client
 - 1.7.3. Analysis and Compliance with the Contract
- 1.8. Aspects to Resolve
 - 1.8.1. Negotiation and Approval of the Contract
 - 1.8.2. Control During Ejection
 - 1.8.3. Control of Compliance with Contractual Obligations
- 1.9. Aspects to Supervise
 - 1.9.1. Negotiation and Approval of the Contract
 - 1.9.2. Control During Ejection
 - 1.9.3. Control of Compliance with Contractual Obligations
- 1.10. Management of Project Factors by the Contract Manager
 - 1.10.1. Scope Management
 - 1.10.2. Cost Management
 - 1.10.3. Risks and Change Management

“

Take your professional career to the next level by studying this complete Postgraduate Certificate”

05

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 is the most widely used learning system in the best faculties in the world. 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 program, the studies 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 8 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.



06

Certificate

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



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*Successfully complete this training program
and receive your university certificate
without travel or laborious paperwork”*

This program will allow you to obtain your **Postgraduate Certificate in Construction Project Contract 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 Nombre del Programa**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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



Postgraduate Certificate
Construction Project
Contract Management

- » Modality: online
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- » Schedule: at your own pace
- » Exams: online

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