

Postgraduate Certificate Blockchain Applied to Logistics



Postgraduate Certificate Blockchain Applied to Logistics

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

Website: www.techtitute.com/us/information-technology/postgraduate-certificate/blockchain-applied-logistics

Index

01

Introduction

p. 4.

02

Objectives

p. 8.

03

Course Management

p. 12.

04

Structure and Content

p. 16.

05

Methodology

p. 20.

06

Certificate

p. 28.

01

Introduction

One of the most complex fields in any company is Logistics. Establishing and executing contracts with suppliers or transporting products are some of the basic tasks in this area. Throughout this process, errors often occur, either in the execution of contracts or in the distribution phase. For this reason, Blockchain technology has experienced a boom in this sector, providing solutions to the many complexities involved in this work. And this qualification provides the IT specialist with the latest knowledge in the field, which facilitates, speeds up and provides greater security to logistics processes.





“

Streamline your company's logistics thanks to all the new knowledge you will acquire in this specialized qualification in Blockchain technology”

Of the many applications of Blockchain technology, Logistics is one of the most widespread and useful. Logistics is a complex field, and the success of a company often depends on its good management. As a result, it is common to suffer mishaps in the supply chain, to make mistakes due to a poorly designed contract or to suffer losses due to poor communication with suppliers. But all these issues have a solution thanks to the Blockchain.

Blockchain technology responds to these challenges by providing a secure platform for businesses, customers and suppliers. In this way, and using the tool known as Smart Contract, Logistics can avoid errors and fraud, reduce slow and complicated documentation processes and increase productivity. This Postgraduate Certificate in Blockchain Applied to Logistics offers the computer scientists all the necessary tools to develop projects in this area, so that they can advance their company immediately.

Additionally, this program is offered through an innovative online learning system that ensures that the students can decide when and where to study, as it adapts to their personal and professional circumstances. Furthermore, a high-level teaching staff will guide you through the entire learning process while using all types of teaching materials such as practical exercises, explanatory videos, master classes or interactive summaries.

This **Postgraduate Certificate in Blockchain Applied to Logistics** contains the most complete and up-to-date educational program on the market. Its most important features are:

- ◆ The development of practical cases presented by Blockchain experts and Logistics
- ◆ The graphic, schematic, and 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
- ◆ Its special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection work
- ◆ Content that is accessible from any fixed or portable device with an internet connection



Solve your company's logistic problems and increase your productivity thanks to Blockchain solutions"

“

Blockchain technology has multiple applications. Delve into its use in the logistics of companies and progress professionally”

The program’s teaching staff includes professionals from sector who contribute their work experience to this training 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 professionals must try to solve the different professional practice situations that arise throughout the program. For this purpose, students will be assisted by an innovative, interactive video system created by renowned and experienced experts.

Avoid errors in the supply chain and fraud thanks to what you will learn in this course.

Improve your company's position thanks to your knowledge in Blockchain Logistics.



02 Objectives

Those companies that work with supplies and distributing physical products have Logistics as one of their main concerns. As such, this Postgraduate Certificate in Blockchain Applied to Logistics provides the computer scientist with the best solutions in this area, applying the principles of Blockchain technology so that companies can improve their productivity and profits. Therefore, the main objective of this qualification is to provide the professional with the best tools to perform their work effectively according to the new developments in today's digital world.



“

Achieve all your professional goals by providing the best solutions to the logistic problems of your company or customers”



General Objectives

- ◆ Determine the logistic processes to define the main needs and *gaps of the current* logistic process
- ◆ Establish the best solution and applicability of the Blockchain for the need of the company and all participants
- ◆ Demonstrate the potential of the technology and validate that the solution fits the need
- ◆ Implement the solution in phases so that value can be extracted from the beginning of the project and can be adjusted as use and learning occur

“

Unravel all the complexities of Blockchain technology and apply it to the business environment with this Postgraduate Certificate”





Specific Objectives

- ◆ Examine the operational and systemic reality of the company to understand the needs for improvements and future solution with the Blockchain
- ◆ Identify the To Be model with the solution best suited to the company's needs and challenges
- ◆ Analyze a Business Case with a plan and macro solution agreement for executive approval
- ◆ Demonstrate the potential and scope of the application and its benefits by means of a POC for operational approval
- ◆ Establish a project plan with the Owner and Stakeholders to start work on functional definition and prioritization of Sprints
- ◆ Develop the solution according to the user stories to initiate testing and validation to go into production
- ◆ Carry out a specific Change Management and Blockchain implementation plan to bring the whole team to a new digital mindset and a more collaborative culture

03

Course Management

In order to offer the most up-to-date and in-depth knowledge in the application of Blockchain to Logistics, TECH has assembled a high-level teaching staff composed of working professionals. As a result, the computer scientists who enroll and complete this program will be able to access all the keys to this area, being able to apply them immediately to their work thanks to the guidance received from this expert teaching staff.



“

*This faculty will offer you the best solutions
to your company's logistics problems”*

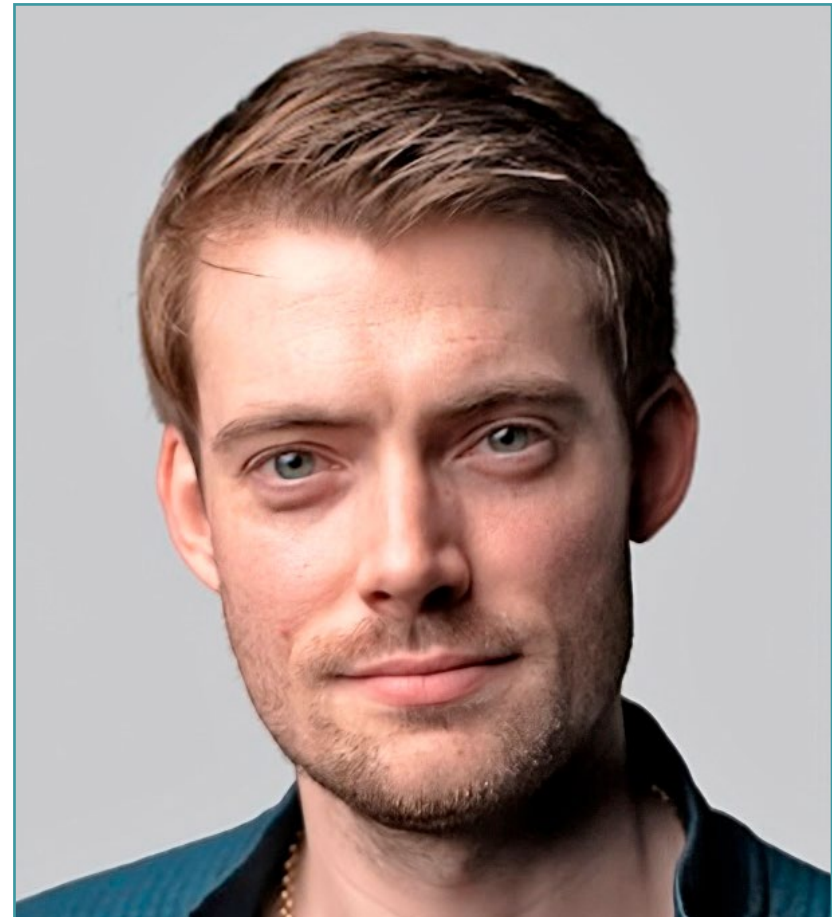
International Guest Director

Chris Sutton is a leading professional with extensive experience in the field of technology and finance, specializing in the Blockchain area. In fact, he has held the senior position of Director of the Blockchain and Digital Assets Department at Mastercard. In addition, he has been the Founder of the consulting firm N17 Capital, in which he offers advice to companies in the field of Blockchain and digital assets. So, one of his functions has been to identify the components that make up these new tools, analyze them and create working strategies.

His professional experience has included high-level roles in leading companies in the sector, such as Oasis Pro Market, where he has performed duties as Director of Blockchain Services. In addition, he has worked as Mergers and Acquisitions Product Manager at Cisco, and as Product Manager at IBM. These positions have allowed him to stand out internationally for his ability to lead teams, develop innovative strategies and manage large-scale projects.

Throughout his career, he has participated in important technological and financial events. In this sense, Chris Sutton has given presentations and has been part of international panels, along with other leading experts in this sector. In this way, on the occasion of the 15th anniversary of the white paper on Bitcoin, he participated in the events of the FinTech week in Hong Kong. He also presented his expertise at a conference organized by Mastercard in Dubai on banking in the digital age and the impact of digital assets. Likewise, his analyses have focused on delving into the history, principles and future of the Blockchain.

In short, his strategic vision and outstanding skills in programming and algorithms have been key to his success in the international market, consolidating him as a leader in his field.



D. Sutton, Chris

- Director of Blockchain and Digital Assets at Mastercard, Miami, U.S.A.
- Founder of N17 Capital
- Director of Blockchain Services at Oasis Pro Market
- Mergers and Acquisitions Product Manager at Cisco
- Product Manager at IBM
- Contributor at Cointelegraph
- Master's degree in Financial Systems Engineering from University College London
- Bachelor's Degree in Computer Science from Florida International University

“

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

Management



Mr. Torres Palomino, Sergio

- ◆ Blockchain Architect Telefónica
- ◆ Blockchain Architect Signeblock
- ◆ Blockchain Developer Blocknitive
- ◆ Big Data Engineer Golive Services
- ◆ Big Data Engineer IECISA
- ◆ Degree in Computer Engineering from San Pablo CEU University
- ◆ Master's Degree in Big Data Architecture
- ◆ Master's Degree in Big Data and Business Analytics

Professors

Mr. de Araujo, Rubens Thiago

- ◆ Program/Project Manager IT Blockchain for Supply Chain at Telefónica Global Technology
- ◆ Logistics Innovation and Projects Manager at Telefónica Brazil
- ◆ Graduate in Technological Logistics and Master in PMI Project Management from SENAC University (Brazil)
- ◆ Master's Degree in PMI Project Management from SENAC University (Brazil)
- ◆ Graduate in Technological Logistics from SENAC University (Brazil)
- ◆ Teaching Experience
- ◆ Lecturer in Internal Training Leadership at Telefónica Brazil for Supply Chain Training and the use of new technologies "Logistics 4.0"
- ◆ Instructor and Multiplier of internal mini-courses of Change Management in Integrated Logistics

Mr. Triguero Tirado, Enrique

- ◆ Blockchain Infrastructure Technical Manager at UPC-Threepoints
- ◆ Chief Technical Officer at Ilusiak
- ◆ Project Management Officer at Ilusiak and Deloitte
- ◆ ELK Engineer at Everis
- ◆ Systems Architect at Everis
- ◆ Degree in Technical Engineering in Computer Systems at the Polytechnic University of Valencia
- ◆ Master's Degree in Blockchain and its Business Applications from ThreePoints and the Polytechnic University of Valencia



04

Structure and Content

The contents of this Postgraduate Certificate in Blockchain Applied to Logistics are focused on solving problems in this area using Blockchain technology. In this way, throughout this program you will be able to go deeper into issues such as operational Gaps, the identification of manually executed processes and their participants in order to proceed to their automation, the cost structure, the creation of the proof of concept or the data master model, among many others.



“

The best content about Blockchain applied to Logistics is here. Enroll now and check it out"

Module 1. Blockchain Applied to Logistics

- 1.1. Operational AS IS Mapping and Possible Gaps
 - 1.1.1. Identification of Manually Executed Processes
 - 1.1.2. Identification of Participants and their Particularities
 - 1.1.3. Case Studies and Operational Gaps
 - 1.1.4. Presentation and Mapping Executive Staff
- 1.2. Map of Current Systems
 - 1.2.1. Current Systems
 - 1.2.2. Master Data and Information Flow
 - 1.2.3. Governance Model
- 1.3. Application of Blockchain to Logistics
 - 1.3.1. Blockchain Applied to Logistics
 - 1.3.2. Traceability-Based Architectures for Business Processes
 - 1.3.3. Critical Success Factors in Implementation
 - 1.3.4. Practical Advice
- 1.4. TO BE Model
 - 1.4.1. Operational Definition for Supply Chain Control
 - 1.4.2. Structure and Responsibilities of the Systems Plan
 - 1.4.3. Critical Success Factors in Implementation
- 1.5. Construction of the Business Case
 - 1.5.1. Cost Structure
 - 1.5.2. Projected Benefits
 - 1.5.3. Approval and Acceptance of the Plan by the Owners
- 1.6. Creation of Proof of Concept (POC)
 - 1.6.1. Importance of a POC for New Technologies
 - 1.6.2. Key Aspects
 - 1.6.3. Examples of POCs with Low Cost and Effort
- 1.7. Project Management
 - 1.7.1. Agile Methodology
 - 1.7.2. Decision of Methodologies Among all Participants
 - 1.7.3. Strategic Development and Deployment Plan



- 1.8. Systems Integration: Opportunities and Needs
 - 1.8.1. Structure and Development of the Systems Planning
 - 1.8.2. Data Master Model
 - 1.8.3. Roles and Responsibilities
 - 1.8.4. Integrated Management and Monitoring Model
- 1.9. Development and Implementation with Supply Chain Team
 - 1.9.1. Active Participation of the Customer (Business)
 - 1.9.2. Systemic and Operational Risk Analysis
 - 1.9.3. Key to Success: Testing Models and Post-Production Support
- 1.10. Change Management: Follow-up and Update
 - 1.10.1. Management Implications
 - 1.10.2. Rollout Plan and Training Program
 - 1.10.3. KPI Tracking and Management Models

“Blockchain technology is the solution to your problems. Discover it now thanks to this 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.



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

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

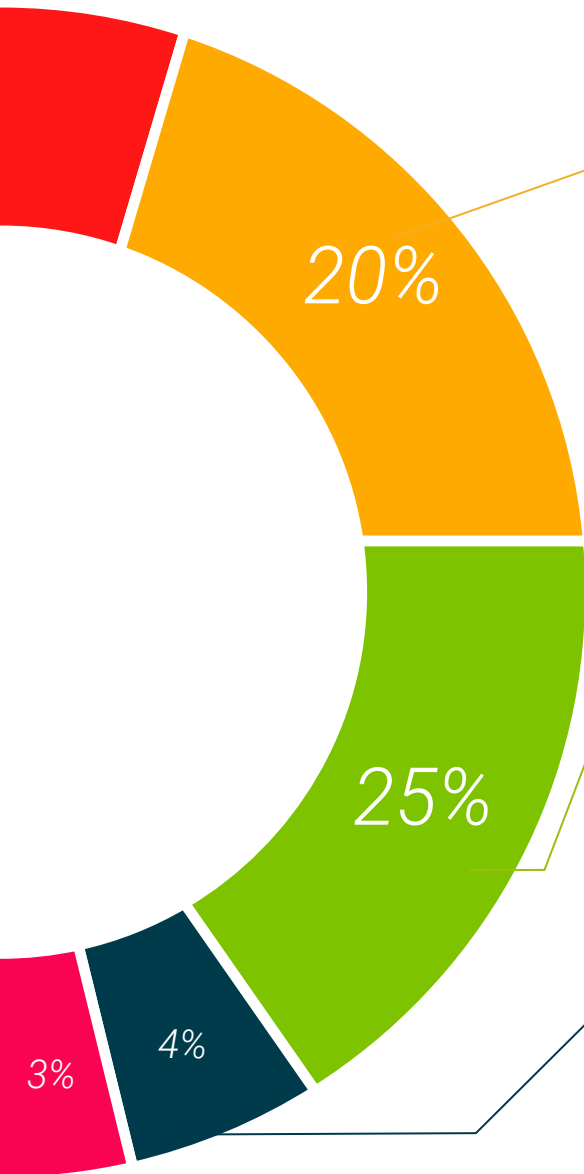
They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



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.



06 Certificate

The Postgraduate Certificate in Blockchain Applied to Logistics guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



“

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

The Postgraduate Diploma in **Blockchain Applied to Logistics** guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by **TECH Global 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 Blockchain Applied to Logistics**

ECTS: **6**

Official N° of Hours: **150 h.**



*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION 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
development languages
virtual classroom



Postgraduate Certificate Blockchain Applied to Logistics

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

Postgraduate Certificate

Blockchain Applied to Logistics