

Postgraduate Certificate

Legal Aspects of Blockchain and Business



Postgraduate Certificate Legal Aspects of Blockchain and Business

- » Modality: online
- » Duration: 12 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/us/information-technology/postgraduate-certificate/legal-aspects-blockchain-business



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01

Introduction

The popularization of Blockchain technology has brought about a revolution in several fields. One of them is the business sector, which has found in this tool a perfect environment for carrying out operations, transactions and executing contracts with total security. However, as this is an extremely complex and nuanced area, it is necessary to have access to the latest knowledge in the field in order to be able to move in it as a business with all the guarantees. This program offers, therefore, an in-depth study of the legal and financial aspects of Blockchain technology, so that those who complete it can develop successful business initiatives.



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This Postgraduate Certificate will give you everything you need to undertake business projects in the Blockchain field with all the legal guarantees”

tech 06 Introduction

One of the most important areas in the application of Blockchain technology is business. This tool makes it possible to perform operations, transactions or design and execute contracts automatically, all with high security, with the possibility of tracking operations and knowing the users involved in the blockchain. Moreover, since these are immutable records, there is no possibility of altering them and producing an error in the procedure.

Additionally, this technology has multiple uses, so there are numerous companies that have recently been created to take advantage of it and be able to direct it to areas such as healthcare or pharmaceuticals. But to be able to operate in the Blockchain world with security it is necessary to have specific and up-to-date knowledge, and this Postgraduate Certificate in Legal Aspects of Blockchain and Business offers it to the computer scientist who wishes to master this field. Therefore, throughout the qualification we will delve into issues such as the standard, the operation of the Proof of Stake protocol, native digital assets or tokens, among many others.

And all this, through an innovative teaching methodology 100% online that adapts to the circumstances of each student so that they can balance their professional life with their studies. Additionally, they will have a top-level faculty in legal, business and Blockchain, and the program contents will be offered through a variety of multimedia resources such as interactive summaries, master classes, practical exercises or explanatory videos.

The **Postgraduate Certificate in Legal Aspects of Blockchain and Business** contains the most complete and up-to-date educational program on the market. Its most notable features are:

- ◆ The development of practical cases presented by experts in business, finance and Blockchain
- ◆ 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



Get to know in depth the legal particularities surrounding Blockchain technology thanks to this innovative program"

“

Blockchain technology is the future of business. Specialize and access the best business opportunities”

You will develop important projects using Blockchain technology to drive your company forward.

Don't wait any longer: now is the time to learn about the legal implications of Blockchain technology to create the most prosperous company in the industry.

The program's teaching staff includes professionals from the 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.



02

Objectives

This Postgraduate Certificate in Legal Aspects of Blockchain and Business aims to provide the best tools to the computer scientist to develop Blockchain technology projects with the best legal and economic perspectives. As a result, upon completion of this qualification, they will be in possession of the best knowledge to operate safely in this complex field that requires mastery of the latest developments in order to achieve business success.



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Achieve all your professional and business
goals thanks to this Postgraduate Certificate”



General Objectives

- ◆ Identify the regulations applicable to the different business models offered by technology
- ◆ Establish the basics of knowledge of the crypto world and key aspects
- ◆ Identify potential legal risks in real projects
- ◆ Analyze why or why not to apply a Blockchain solution in our environment
- ◆ Generate specialized knowledge on the logical concept of distributed technologies as a comparative advantage
- ◆ Explore the capability of certain Blockchain implementations and their impact on the financial and pharmaceutical field
- ◆ Analyze the best way to implement a Blockchain process focusing on the basics of the technology

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This program will bring you closer to your goals thanks to its innovative knowledge in Blockchain technology and Business”





Specific Objectives

- ◆ Generate specialized knowledge on the Whitepaper concept
- ◆ Determining the legal requirements for cryptoassets
- ◆ Establish the legal implications in the regulation of cryptocurrencies
- ◆ Developing the regulation of tokens and ICOs
- ◆ Contrast and compare the current regulations against the EIDAS regulations
- ◆ Examine the current regulation of NFTs
- ◆ Analyze why we should or should not implement a Blockchain project in our environment
- ◆ Examine the challenges we face when implementing a product based on DLT technology
- ◆ Adapt knowledge and mental tools to understand the project-oriented Blockchain concept
- ◆ Gather all the possibilities offered by the vast blockchain universe, distributed, DeFi, etc.
- ◆ Determine when a blockchain project is right or wrong
- ◆ Discern between a meaningful project and the Hype surrounding this technology

03

Course Management

The teaching staff of this Postgraduate Certificate in Legal Aspects of Blockchain and Business is composed of working professionals who have a perfect knowledge of Blockchain technology and all its financial and legal implications. In this way, the knowledge that the computer scientists or engineers receive will be the most up-to-date and will be based on day-to-day experience in this field, thereby guaranteeing that they can immediately apply everything they have learned in their work.



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*The leading experts in blockchain,
law and business await you in this
Postgraduate Certificate”*

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

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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

Ms. Carrascosa, Cristina

- ◆ Lawyer and Managing Partner of ATH21
- ◆ Cuatrecasas Law Firm
- ◆ Broseta Law Firm
- ◆ Despacho Pinsent Masons
- ◆ Degree in Law from the University of Valencia
- ◆ Master's Degree in Business Consulting from IE Law School and Master's Degree in Taxation and Taxation from CEF.
- ◆ Director of the Blockchain Program at IE Law School
- ◆ Co-author of Blockchain: the industrial revolution of the internet

Mr. Herencia, Jesús

- ◆ Blockchain and DLT Consultant
- ◆ IT Director in Banking (Credit Agricole)
- ◆ Diploma in Computer Systems Engineering UPM
- ◆ Co-Director of Blockchain Specialist Course at the School of Legal Practice at UCM
- ◆ Lecturer at EAE on Cryptoassets and Blockchain



Ms. Foncuberta, Marina

- ◆ Lawyer ATH21, Blockchain, Cybersecurity, IT, Privacy and Data Protection.
- ◆ Attorney Pinsent Masons, Blockchain Cybersecurity, IT, Privacy and Data Protection Department
- ◆ Lawyer as part of the Secondment Program, Technology, Privacy and Data Protection Department, Wizink
- ◆ Lawyer as part of the Secondment Program, Cybersecurity, IT, Privacy and Data Protection Department, IBM
- ◆ Law Degree and Postgraduate Certificate in Business Studies from the Universidad Pontifica Comillas
- ◆ Master's Degree in Intellectual and Industrial Property, Comillas Pontifical University (ICADE), Madrid
- ◆ Program on Law and Blockchain: "Blockchain: Legal Implications"
- ◆ Professor at San Pablo CEU University: subject "Law and new technologies: Blockchain"

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

This Postgraduate Certificate in Legal Aspects of Blockchain and Business is structured into 2 specialized modules, through which the computer scientist will be able to deepen in aspects such as the prevention of money laundering through blockchain, tokens, NFTs, taxation, Ethereum, EIDAS regulation, Blockchain implementation cycle or native digital assets, among many others.



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Create legally secure Blockchain business
initiatives and embark on your path to success”

Module 1. Blockchain. Legal Implications

- 1.1. Bitcoin
 - 1.1.1. Bitcoin
 - 1.1.2. Whitepaper Analysis
 - 1.1.3. Operation of the Proof of Work
- 1.2. Ethereum
 - 1.2.1. Ethereum. Origins
 - 1.2.2. Proof of Stake Operation
 - 1.2.3. DAO Case
- 1.3. Current Status of the Blockchain
 - 1.3.1. Growth of Cases
 - 1.3.2. Blockchain Adoption by Large Companies
- 1.4. MiCA (Market in Cryptoassets)
 - 1.4.1. Birth of the Standard
 - 1.4.2. Legal Implications (Obligations, Obligated Parties, etc.)
 - 1.4.3. Summary of the Standard
- 1.5. Prevention of Money Laundering
 - 1.5.1. Fifth Directive and its Transposition
 - 1.5.2. Obligated Parties
 - 1.5.3. Intrinsic Obligations
- 1.6. Tokens
 - 1.6.1. Tokens
 - 1.6.2. Types
 - 1.6.3. Applicable Regulations in Each Case
- 1.7. ICO/STO/IEO: Corporate Financing Systems
 - 1.7.1. Types of Financing
 - 1.7.2. Applicable Regulations
 - 1.7.3. Success Stories
- 1.8. NFT (Non-Fungible Tokens)
 - 1.8.1. NFT
 - 1.8.2. Applicable Regulations
 - 1.8.3. Use Cases and Success (Play to Earn)

1.9. Taxation and Cryptoassets

- 1.9.1. Taxation
 - 1.9.2. Income from Work
 - 1.9.3. Income from Economic Activities
- 1.10. Other Applicable Regulations
 - 1.10.1. General Data Protection Regulation
 - 1.10.2. DORA (Cybersecurity)
 - 1.10.3. EIDAS Regulations

Module 2. Blockchain and Business

- 2.1. Applying Technology throughout the Company
 - 2.1.1. Applying Blockchain
 - 2.1.2. Blockchain Benefits
 - 2.1.3. Common Implementation Mistakes
- 2.2. Blockchain Implementation Cycle
 - 2.2.1. From P2P to Distributed Systems
 - 2.2.2. Key Aspects for Proper Implementation
 - 2.2.3. Improving Current Implementations
- 2.3. Blockchain vs. Traditional Technologies: Basics
 - 2.3.1. APIs Data and Flows
 - 2.3.2. Tokenization as a Cornerstone for Projects
 - 2.3.3. Incentives
- 2.4. Selecting Blockchain Type
 - 2.4.1. Public Blockchain
 - 2.4.2. Private Blockchain
 - 2.4.3. Consortiums
- 2.5. Blockchain and the Public Sector
 - 2.5.1. Blockchain in the Public Sector
 - 2.5.2. Central Bank Digital Currency (CBDC)
 - 2.5.3. Conclusions
- 2.6. Blockchain and the Financial Sector Start
 - 2.6.1. CBDC and Banking
 - 2.6.2. Native Digital Assets
 - 2.6.3. Where Does It Not Fit?



- 2.7. Blockchain and the Pharmaceutical Sector
 - 2.7.1. Searching for Meaning in the Field
 - 2.7.2. Logistics or Pharmacy
 - 2.7.3. Application
- 2.8. Pseudo Private Blockchains: The Point of Consortiums
 - 2.8.1. Reliable Environments
 - 2.8.2. Analysis and Delving Deeper
 - 2.8.3. Valid Implementations
- 2.9. Blockchain. Usage Case in Europe EBSI
 - 2.9.1. EBSI (European Blockchain Services Infrastructure)
 - 2.9.2. The Business Model
 - 2.9.3. Future
- 2.10. The Future of Blockchain
 - 2.10.1. Trilemma
 - 2.10.2. Automation
 - 2.10.3. Conclusions

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*Grow your company by taking
advantage of the benefits of
Blockchain technology”*

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.



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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

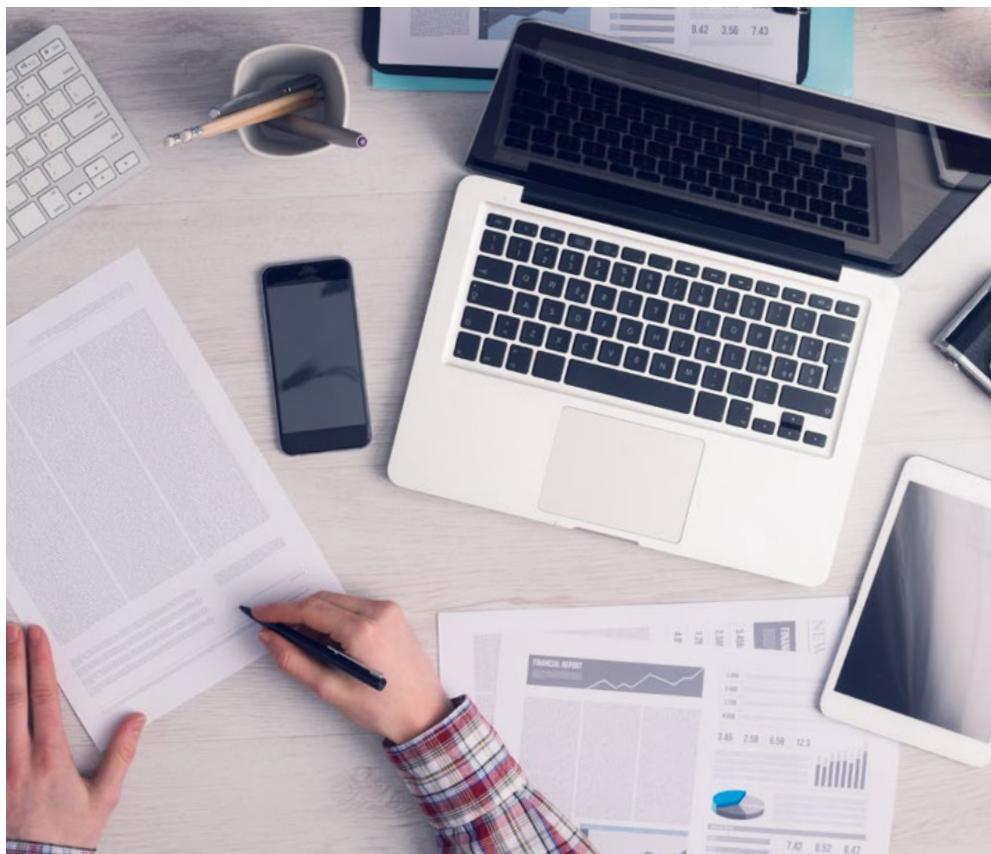
Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

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



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



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

A learning method that is different and innovative

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



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

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

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

Relearning Methodology

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

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

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

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

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





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

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

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

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

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

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



Study Material

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

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



Classes

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

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



Practising Skills and Abilities

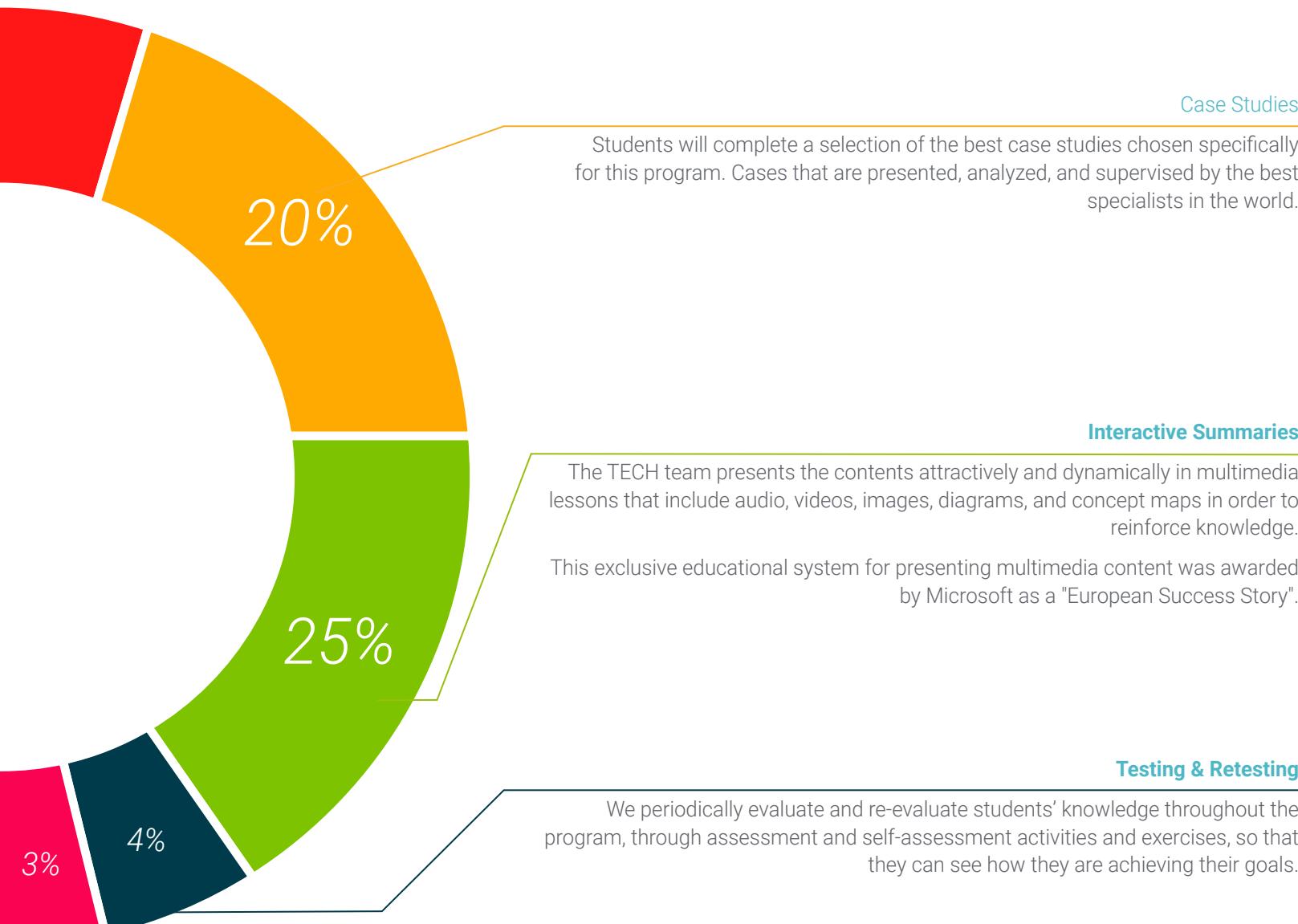
They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.



Additional Reading

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





06

Certificate

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



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

The **Postgraduate Certificate in Legal Aspects of Blockchain and Business** contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding Postgraduate Certificate issued by TECH Technological University via tracked delivery*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Legal Aspects of Blockchain and Business**

Official Nº of hours: **300 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.



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