



Barcelona Shipping
Agents Association

Blockchain in Shipping and Logistics

FONASBA ACB Online Course. 2nd Edition

From November 5th to December 12th, 2024

REGISTER NOW

acb@consignatarios.com



The aim of the course is to present blockchain technology, which is already causing disruptions in many sectors, including logistics and maritime transport.

After the theory section which analyses the more technical aspects of this technology, the course will go on to give an in-depth look at the applications in our sector and real case uses which are already fully operational now.

The aim is to show the student how different technologies are changing the way business is done, and the shipping sector is no different.



This course is designed specifically for employees of shipping companies and shipping agents who want to learn about this brand new technology and how it is already affecting the way their companies operate and will operate in the future.

It is also suitable for employees of import/export companies, freight forwarders, customs agents, port terminals and logistics companies interested in this subject.

The course can also help students of international trade and logistics and transport, to make a start on learning about new technologies and how they interact in companies.



Jaime Paz, with his long career in the logistics and shipping sector, will be in charge of giving the theory classes.

As regards the case studies to be analysed, experts from the chosen companies will be in charge of the sessions.



Jaime Paz

Ocean Network Express (Spain)

Head of Customer Service Spain

Postgraduate in Blockchain Management

Master's in Big Data – Business Intelligence



NO TECHNICAL KNOWLEDGE OF BLOCKCHAIN IS REQUIRED TO ENROL.

UNIT 1.- DEFINITION AND ANALYSIS OF THE TECHNOLOGICAL ENVIRONMENT OF THE SHIPPING BUSINESS

A. DIGITALISATION OF THE ECONOMY AND INDUSTRY (4.0)

What is digitalisation?

The digital transformation process

Industry 4.0

Impact of digitalisation on the productive fabric

Impact of digitalisation on employment

The need for training in digital economies and industries

B. THE SHIPPING BUSINESS IN THE AGE OF DIGITALISATION – DIGITAL MATURITY

Digital maturity

Advances on the road to the digitalisation of shipping

The new future in the digitalisation of shipping

C. BLOCKCHAIN HYPE CYCLE

UNIT 2- INTRODUCTION TO BLOCKCHAIN TECHNOLOGY (I)

A. ORIGINS OF BLOCKCHAIN TECHNOLOGY – BITCOIN

What are value and money?

B. BLOCKCHAIN TECHNOLOGY

Hashing and encryption

Transactions and blocks

Smart contracts

Tokenisation

Blockchain decision

pad

C. TYPES OF BLOCKCHAINS – INTERACTION WITH OTHER TECHNOLOGIES

D. HOW BLOCKCHAIN CAN CHANGE THE ECONOMY

Tokenisation of assets

Digital money (central banks)

UNIT 3.- APPLICATIONS IN THE SHIPPING SECTOR (I)

A. LOGISTICS AND SUPPLY CHAINS

B. SMART CONTAINERS AND BLOCKCHAIN

What are smart containers?

Shipping in the pharmaceutical industry

Cold treatment shipping

UNIT 4.- APPLICATIONS IN THE SHIPPING SECTOR (II)

C. eBL

A brief summary of the bill of lading.

Definition of the eBL

Why now?

How does the eBL work?

Benefits of the electronic bill of lading

Limitations of the electronic bill of lading

eBL platforms

D. CARGOSMART

C. GSBN

D. TRADELENS – PROJECT FAILURE CASE STUDY

	COURSE STRUCTURE
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This online course starts on **5th November** and ends on **12th December** 2024 with a total duration of **10.5 hours**. The course offers **7** online sessions of **1.5 hours** each conducted over the **MS Teams** platform.

Dates: 5, 12, 19 and 26 November - 3, 10 and 12 December. Classes start at **17.00h** and finish at 18.30h. Reference time zone: CET.

Students will be given the course syllabus (PDF, presentations, etc.) prior to the start of the course.

	ENROLMENTS
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To confirm your interest send an email to acb@consignatarios.com. With this email you can book your place on the course. Once you have paid for the course, your enrolment will be considered definitive.

	CERTIFICATE
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Final course work is required. On passing the course you will receive a certificate of aptitude.

	COURSE FEE
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300 Eur (+ VAT if applicable)





How to pay for your course: Bank Transfer:

Payment currency: Eur - Bank name: Banco Sabadell

Account: ES05 0081 0057 3600 0153 0461

Swift Code: bsabesbbxxx - Bank Country: Spain

ENROLMENTS:
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