



MODULE 2

**Applying the EU MiCA Regulation in
Crypto-Asset Activities:
A Practical Approach Grounded in Blockchain
and Compliance Fundamentals**

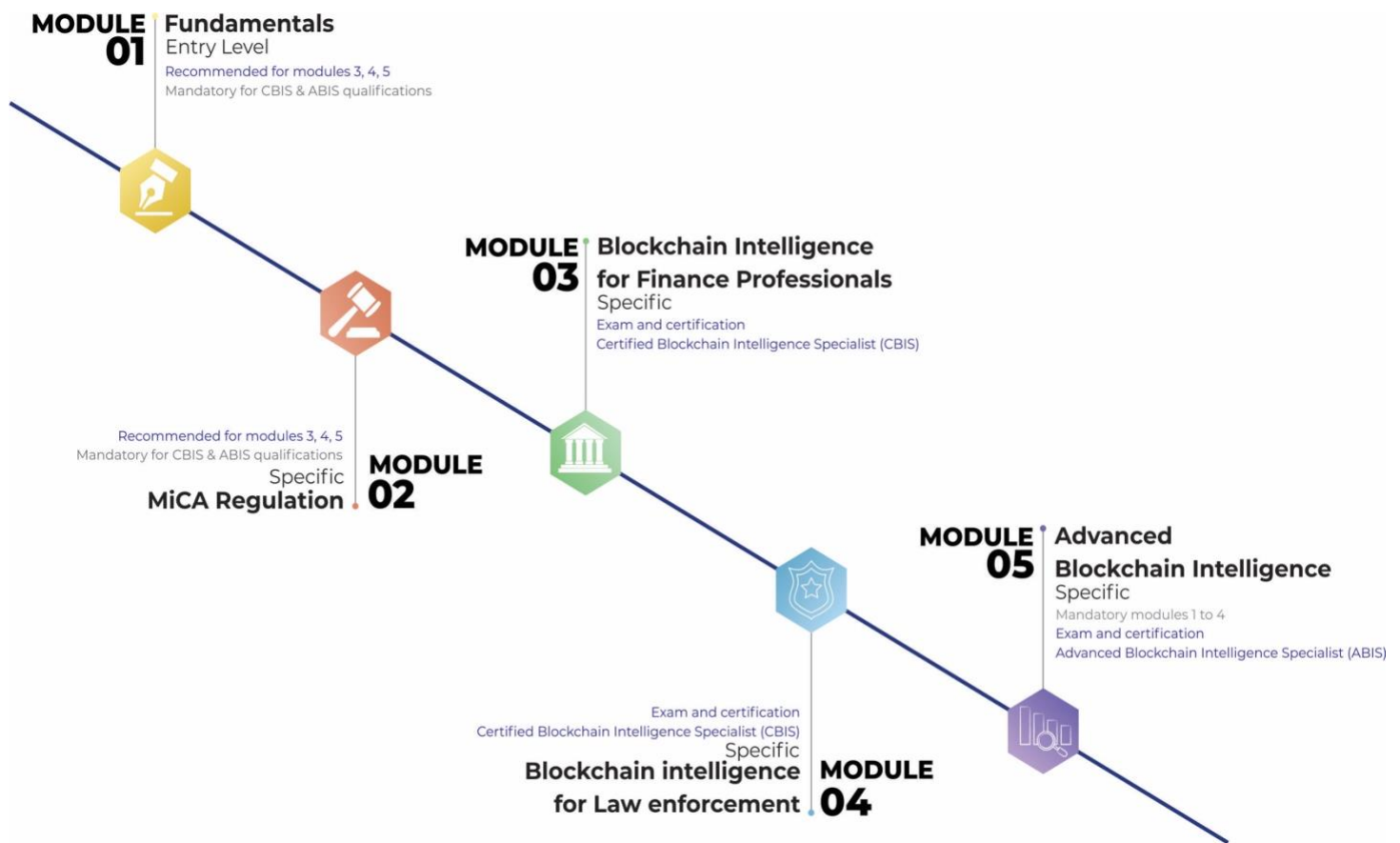
Module 2:

Applying the EU MiCA Regulation in Crypto-Asset Activities: A Practical Approach Grounded in Blockchain and Compliance Fundamentals

This introductory course is part of the 5 general training modules within the “Blockchain Intelligence” specialization and is specifically designed for individuals without technical experience who wish to understand essential theoretical and practical knowledge about blockchain technology and the **new Regulation on Markets in Crypto-Assets (MiCA – EU 2023/1114)**.

The program combines clear and accessible theoretical explanations with practical examples, simple case studies, and real industry scenarios. Participants will gain basic competencies related to blockchain functionality, types of crypto-assets and their operations, compliance, and authorization procedures under MiCA.

The course is interactive, delivered in English for an international audience, and integrates theoretical aspects such as blockchain technology, crypto-asset classification, and regulatory principles with practical components using a blockchain analytics platform. Participants will be guided step-by-step through compliance examples, case studies, and discussions on the challenges and opportunities presented by the MiCA Regulation.



We recommend participation in the first two training modules of the **Blockchain Intelligence Academy** to support the understanding of foundational concepts and to prepare for the exam that grants the "Blockchain Intelligence Specialist" certification. We also encourage participation in all five training modules to obtain the "Advanced Blockchain Intelligence Specialist" certification.

COURSE OBJECTIVES

This course aims to provide professionals with essential theoretical and practical knowledge about blockchain technology and the **new Markets in Crypto-Assets Regulation (MiCA – EU 2023/1114)**, enabling them to:

- Analyze and interpret the classification and legal treatment of crypto-assets;
- Apply MiCA provisions in real-world compliance scenarios;
- Advise clients or institutions on obligations and strategies for implementing MiCA;
- Anticipate risks and opportunities for crypto-related businesses under the new legal framework;
- Use blockchain intelligence methods to trace transactions, detect illicit activities, and support regulatory and compliance investigations.

TARGET GROUP

This course is intended for:

- **Legal professionals:** notaries, lawyers, consultants who want to gain expertise in MiCA compliance;
- **Public officials and regulators:** aiming to implement or supervise the enforcement of MiCA standards;
- **Financial and banking professionals:** bankers, analysts, fintech operators integrating crypto-assets into traditional services;
- **Crypto industry representatives:** needing to align operations with MiCA requirements and prepare authorization strategies;
- **Interested professionals:** from any field, seeking to understand the legal and economic role of crypto-assets in the context of EU regulation—no prior technical knowledge required.

COURSE CONTENT

1. Blockchain fundamentals for regulatory application

- Introduction to blockchain technology and its core principles (Basic definitions and principles of how blockchain works; the concept of decentralization and data distribution)
- Consensus mechanisms and blockchain security (Overview of consensus mechanisms – Proof of Work, Proof of Stake, etc.; Cryptography and blockchain-specific security elements)
- Structure and functioning of the blockchain (Process of transaction recording and verification; immutability and transparency of the distributed ledger)
- Blockchain applications (beyond crypto-assets) (Examples in logistics, healthcare, governance; the concept of smart contracts and their potential)

2. Types of crypto-assets and their functionality

- Types of crypto-assets – cryptocurrencies, stablecoins, tokens (Definitions and classification: cryptocurrencies, stablecoins, various types of tokens; Representative examples such as Bitcoin and Ethereum)
- Functionality of crypto-assets – how they work (digital wallets, transactions, mining process); the role of stablecoins and commercial uses of tokens
- Risks and challenges in using crypto-assets (Volatility, security, potential fraud; Technological and economic risks)
- Impact of crypto-assets on financial markets (The relationship between crypto-assets and traditional financial markets; Crypto-assets as tools for investment and financing)

3. Evolution of crypto regulations and overview of the MiCA Regulation

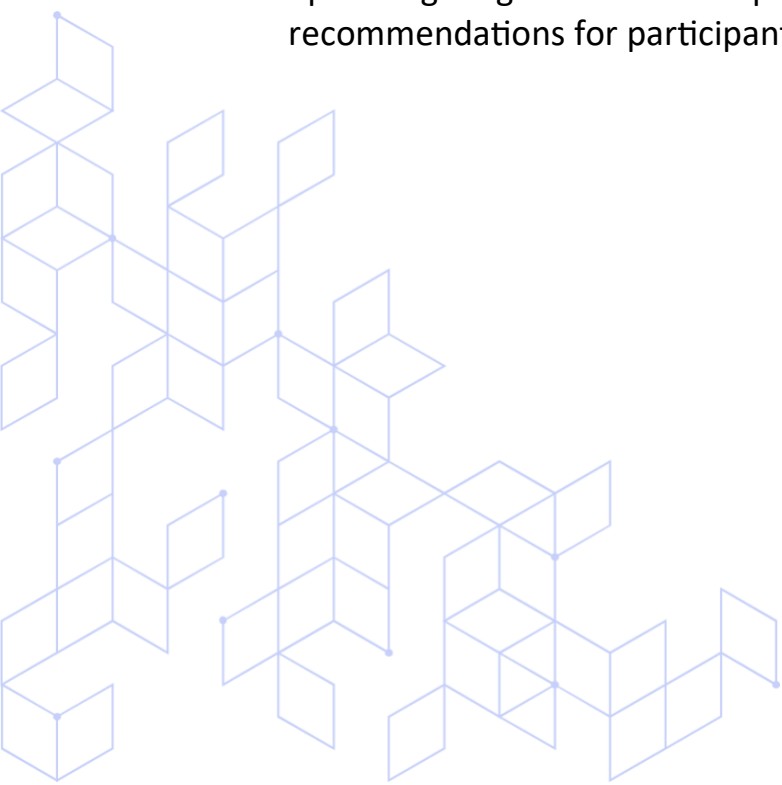
- Historical evolution of crypto regulations (Initial international regulations – USA, Japan, Switzerland; The impact of financial crises on regulatory approaches)
- Comparative analysis of global crypto regulations (Regulatory frameworks in the U.S. – SEC, CFTC – and other jurisdictions – Switzerland, Japan, U.K.; Differences in approach between EU member states and non-EU countries)
- History and development of the MiCA directive (Motivations and context for MiCA; Key milestones and implementation timeline)
- MiCA Regulation in the global context – comparison with other regulations (Similarities and differences compared to regulations in the U.S. and Asia)

4. Compliance and authorization procedures under MiCA

- Compliance and authorization requirements in MiCA (Authorization procedures for issuers and crypto service providers; Transparency, reporting, and other legal obligations)
- ICO and crypto-asset issuance regulation (Rules on public offerings of crypto-assets – ICOs; Specific requirements for stablecoins and other token categories)
- Consumer protection and risk management (Consumer protection measures under MiCA; Risk assessment and management for investors and crypto service providers)
- The impact of MiCA on the EU crypto industry (Practical implications for operators and service providers; Emerging challenges and opportunities in the European crypto market)

5. Practical case studies and implementation challenges

- Case study – a crypto project regulated under MiCA (Analysis of a project aligned with MiCA requirements; Identifying strengths and implementation challenges)
- Compliance in practice – challenges and solutions (Examples of real-world issues in aligning with MiCA; Presentation of tested solutions and available resources)
- Role of European and national authorities in monitoring MiCA (Involvement of supervisory entities in verification and compliance assurance)
- The future of crypto regulation – challenges and opportunities (Debate on upcoming legislative developments worldwide; Final conclusions and recommendations for participants)



COURSE DURATION

The course will take place over one full training day (in-person, online or hybrid). Registration is done by completing the registration form.

COMPETENCY DEVELOPMENT

Participants will receive a Certificate of Completion issued by ICI Bucharest and a descriptive supplement listing the specific competencies acquired.

PARTICIPATION FEE

For course fees and further details, please contact us by email.

Details regarding the program's schedule and registration procedures can be obtained at the email address: cicc@ici.ro

ADDITIONAL INFORMATION:

About the ChainArgos blockchain intelligence company

ChainArgos is a blockchain intelligence company, recognized for uncovering the undercollateralization of \$1.4 billion in stable crypto-assets (BUSD) on the global Binance platform.

ChainArgos offers advanced blockchain intelligence solutions focused on analyzing financial transaction details. These solutions facilitate investigations and economic analysis by providing objective insights into the logic behind complex transaction flows.

The company collaborates with financial institutions, regulators, law enforcement agencies, research institutes, universities, and crypto-asset service providers worldwide. ChainArgos is also supported by renowned media institutions such as Bloomberg, Wall Street Journal, Forbes, Fortune, Thomson Reuters, and South China Morning Post.



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