

CARDANO ACADEMY

**Case Study: Blockchain for
Real-World Assets**
Course Overview

Overview

Real-world assets make up the vast majority of global wealth, totaling hundreds of trillions of dollars in value. However, traditional methods of managing these assets are plagued by deep-seated inefficiencies, including capital inertia and administrative bloat. This program is designed for leaders in innovation and finance to discover how blockchain solves these critical challenges by looking at a real-world use case.

The course provides an in-depth dive into a live case study of a tokenization infrastructure running on the Cardano blockchain, demonstrating how to bridge the gap between physical value and digital ownership.

Course	Case Study: Blockchain for Real-World Assets
Track	Business
Format	Self-paced, On-demand E-learning
Audience	Leaders in Innovation, Leaders in Finance, and Market Enthusiasts
Outcome	Cardano Foundation Learn Badge
Duration	15 Minutes

Why This Course Matters

Traditional asset management is hindered by "siloes" economies and legacy systems that rely on multi-layered manual reconciliation, leading to massive overhead and settlement delays. As institutional giants begin digitizing trillions of dollars in assets, organizations that fail to modernize risk being cut out of future global liquidity pools.

This course is crucial for understanding how to build a regulated bridge that legally links physical custody and insurance to a blockchain token. By mastering these concepts, participants can learn to make physical assets as liquid as digital currency while satisfying mandatory transparency and compliance requirements.

Key Takeaways

In this program, you will:

- **Gain a comprehensive understanding** of the RWA industry and the three forces—regulation, innovation, and competition—creating urgency for digitalization.
- **Explain the typical architecture** of a tokenization project, specifically the four pillars of regulated trust, insured custody, digital twins, and democratized access.
- **Describe the evolution** of asset verification, moving from an over-reliance on paper documents to hardcoded, immutable layers of accountability.
- **Learn the fundamentals** of why a third-generation blockchain's deterministic security and native asset model are uniquely positioned to handle physical asset complexity.
- **Outline the next steps** for your organization to assess where blockchain can provide critical support in the business of finance.

Who Is This Program For?

This course is designed for individuals who wish to move beyond a surface-level understanding of blockchain and delve into the technical mechanics of asset tokenization.

- **Leaders in Innovation** who need to capitalize on the multi-trillion dollar momentum of tokenized assets.
- **Leaders in Finance** who require insight into how blockchain improves the liquidity of physical assets.
- **Blockchain Enthusiasts** interested in the foundations of protocol-led asset management and modern tooling.

Your Learning Journey

During this online journey, you will explore the practical mechanics of tokenization through a detailed case study of an active infrastructure provider on Cardano. The course is delivered via on-demand e-learning, allowing you to explore a live marketplace and see a regulated system in action. You will gain a practical understanding of the journey from a physical asset to a tradeable digital twin, preparing you for real-world application.

Program Modules



Unit 1: The Overview:

A high-level summary of the RWA industry, identifying the four main obstacles—capital inertia, economic exclusivity, geographic disconnection, and administrative bloat—preventing optimal operation.



Unit 2: The Case Study:

A deep dive into the infrastructure of a live tokenization platform, exploring how physical validation, secure custody, and NFT minting on Cardano allow users to trade and redeem high-value assets instantly.



Unit 3: The Big Picture:

Reflection on the future of global finance, contrasting the risks of fraud in legacy trade against the power of verifiable digital twins and transparent audit trails.



Conclusion & Next Steps:

A comprehensive recap of learning outcomes and instructions on claiming the official Cardano Foundation Learn Badge via Credly.

The Cardano Academy Platform Learning Experience

Our programs are designed to meet the needs of individual learning styles while also leveraging the power of expert-verified information. This is achieved through a user-friendly learning platform that enables participants to easily navigate the program content.



On-demand E-learning:

Learn at your own pace, on your own schedule.



Gamified Reinforcement:

Engage with the material through quizzes, achievements, and interactive elements that aid retention.



Mobile Access:

Access your courses anytime, anywhere, on any device.



Open-Source Materials:

Benefit from our commitment to open-source education.

Technical and Business Learning Tracks


Cardano Blockchain Certified Associate (CBCA)

08:30 hrs 4 Modules


Intermediate Technical Certified




Available in English and Portuguese



Technical
Staking Rewards and Calculations



Technical
Aiken: Smart Contracts on Cardano



Business
Generative AI and Blockchain

Released Fall 2026

Validate your skills and expertise with digital badges

What Our Learners Say About Our CBCA Certification Course

“ Wow...awesome and interactive lessons. ”

“ The concept was well delivered. ”

“ The course provides me with a deep understanding of hash functions and their critical role in information security. ”

“ I really enjoyed studying the Hard Fork Combinator application. ”

“ I was captivated by the analysis of the story about the Nakamoto coefficient when measuring the decentralization of a blockchain network. ”

“ Very valuable information about Cardano's architecture and operation. ”

“ I fully understand the course and am very excited about these highly technical and in-depth topics... ”

Your Path to Certification

1. Complete the Course & Earn Your Badge



Upon successful completion, the Cardano Foundation grants a **verified digital badge**. This LinkedIn-compliant credential validates your new skills and expertise.

2. Advance to a Certified Associate (CBCA)

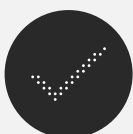
For learners wishing to advance their knowledge, the next step is the Cardano Blockchain Certified Associate (CBCA) exam. This recognized professional certification validates your technical and strategic blockchain knowledge.



Practice Exam and Completion Badge



Certification: \$99,
Online, 90 min., 50 Questions



LinkedIn-Compliant
Credential via Credly

In Partnership with Pearson VUE and Credly

Meet Your Academic Team and Subject Matter Experts

The Academy team is made of Education, Enterprise, and Technical Talent, with 15-20+ years of experience each. We work closely with our subject matter experts to ensure quality, accuracy and relevance.

The Academic Team



Nadia Mannell
Director



Heidi Lynn Staples
PhD, Education
Manager



John Greene
Technical Blockchain
Writer



Niklas Göke
Business Blockchain
Writer

The Subject Matter Experts



Thomas Mayfield
Team Lead -
Decentralized Trust
and Identity Solutions



Michiel Bellen
Core Integrations
Team Lead



Denicio Bute
Community Manager



Matthias Benkort
Technical Director of
Open Source
Development



John Wright
Senior Legal Counsel

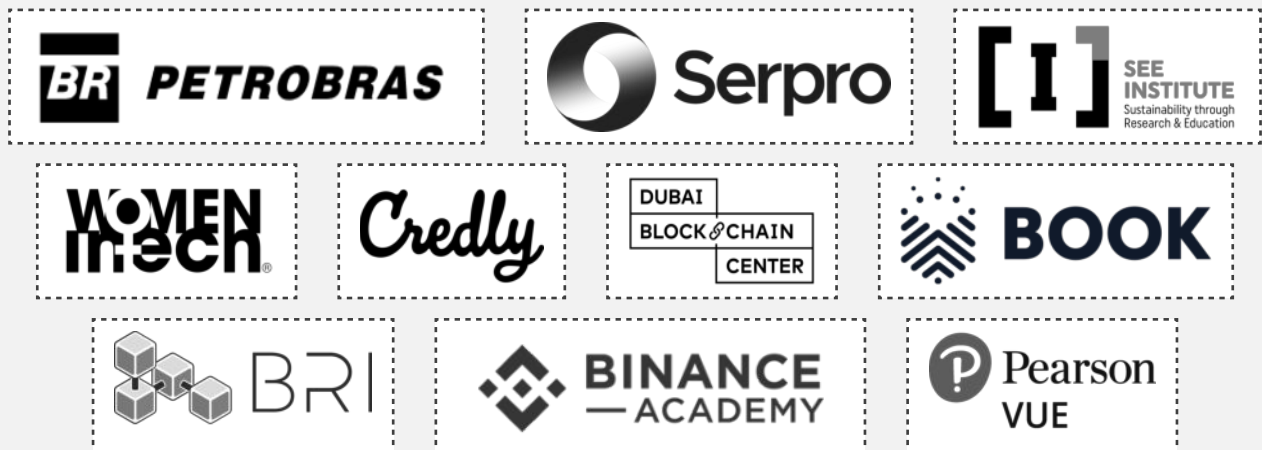


Nicolas Cerny
Governance Lead



Fabian Bormann
Team Lead -
Ecosystem
Engineering

Trusted by Global Partners



10,000+ registered learners

About the Cardano Academy

The Cardano Academy provides **quality-verified, up-to-date blockchain education and enablement**. Our offerings are designed to empower individuals and enterprises with the knowledge and skills needed to succeed in the evolving world of blockchain.

We provide a range of learning opportunities, from self-paced online courses and corporate masterclasses to diploma programs and professional certifications. Our mission is to foster a global community of educated, capable, and innovative contributors to the Cardano ecosystem.

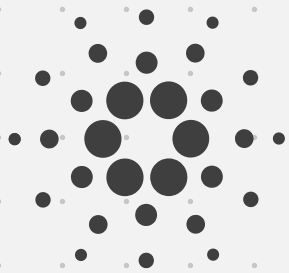
Ready to Begin?

Unlock the power of Cardano and take the next step in your blockchain education.



Register for Free at:

<https://cardanofoundation.org/academy>



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