Cambridge Digital Assets for Enterprises

Cambridge
Centre for Alternative Finance

UNIVERSITY OF CAMBRIDGE
Judge Business School

Foreign, Commonwealth & Development Office

Cambridge Digital Assets for Enterprises

Contents

About the course

"The tokenisation of everything" is moving from a vision for some to a reality for many. As digital assets transform traditional financial services, and as crypto develops as an asset class, risk and compliance, legal and product management teams need to rapidly understand the implications and develop the skills to perform their roles in this new environment. This course is designed to fulfil these objectives, covering everything from blockchain basics to digital assets compliance. The course has been developed from our longstanding course for global regulators and stands out both in terms of digital assets content but also in terms of the key principles needed to stay compliant with global regulation. Join the many industry participants that have already benefited from this outstanding course.

"Join the many industry participants that have already benefited from this outstanding course."

Keith Bear

Fellow and Digital Assets and Distributed Ledger Technology Expert, CCAF

Anoosh Arevshatian

Chief Product Officer
Zodia Custody

"Digital assets have stopped being a technology question and have now become a corporate strategy question.

Boards are being asked to decide on stablecoin settlement, tokenised products and market infrastructure exposure long before the regulatory picture is settled.

Getting those decisions right needs people who understand the opportunity, mechanics, supervisory direction and the compliance obligation together rather than in isolation. That combination is rare and it is learnable.

Professionals who build it now will shape how their institutions participate in the future of finance."

Course overview and delivery

This eight-week online course consists of eight modules and is designed to be interactive and flexible, allowing time for self-paced learning and reflection. Activities include:

Virtual Learning Environment

Access the course content online at your own pace.

Live lectures

Offer a unique opportunity to engage with subject-matter experts while exploring hands-on case studies tailored to your jurisdiction.

Thematic tutorials

Bringing together insights from past cohorts, global regulators, and industry practitioners supporting deep learning, cross-country comparisons and self-paced study.

Assessments, knowledge checks and reflection exercises

Monitor your learning progress.

Moderated peer discussion forums

Engage with peers from your cohort to exchange perspectives, share practical challenges and compare approaches to the regulation and supervision of digital financial services.

Capstone project with mentor support

Directly apply your learning and develop a capstone project under the guidance of a dedicated mentor, that brings together your newfound expertise to design a new practical initiative aligned with your jurisdiction's priorities.

Final-week Capstone project presentation

Present your capstone project to peers and mentors, sharing insights and receiving feedback.

Learning outcomes

By the end of this course, you will be able to:

1. **Identify** the mechanics and applications of distributed ledger technologies and the underlying socio-economic drivers for the rise of cryptocurrencies and other forms of digital assets.

2. **Distinguish** and **evaluate** the varying types of digital assets and examine the evolution of the global digital asset ecosystem.

3. **Understand** and **analyse** how digital assets actors and their activities can interact with and be integrated with traditional financial actors and systems.

4. **Assess** the application of private and public blockchains as well as the impact and implications of having decentralised financial market infrastructure.

5. **Evaluate** the risks and examine the environmental, social and governance issues pertaining to digital assets.

6. **Assess** the regulatory and compliance implications, challenges and responses related to digital assets.

7. **Develop** and **design** a digital assets approach that could catalyse change/innovation within your organisation.

Featured case studies

The course leverages insights, frameworks, and applied practices from the fields of digital assets, digital finance, and regulatory strategy to help your organisation build both deep subject-matter expertise and a broad, enterprise-level perspective. Designed with business needs in mind, it enables you to better understand the digital assets ecosystem, identify strategic opportunities, and navigate evolving regulatory expectations.

Through a combination of expert-led content and interactive learning, you will engage with real-world industry insights, practical applications, and in-depth case studies drawn from global markets. Led by Cambridge academics and experienced practitioners, the programme places strong emphasis on applied learning, enabling you to translate knowledge into actionable strategies.

By integrating asynchronous modules, peer exchange, and live online sessions, the course fosters cross-industry dialogue and shared learning among professionals facing similar transformation challenges. This approach ensures that you not only stay ahead of global trends and regulatory developments, but also strengthen your organisation's ability to innovate responsibly, manage risk, and remain competitive in a rapidly evolving digital financial landscape.

Who should attend

- Designed for professionals across finance, legal, regulatory, and compliance roles, as well as entrepreneurs, business leaders, and consultants
- Suitable for individuals seeking to build a strong understanding of blockchain, fintech, and the digital assets ecosystem
- Tailored for those looking to develop a comprehensive, enterprise focused perspective on digital assets and their impact on organisations
- Ideal for professionals aiming to strengthen their knowledge to support strategic decision making, innovation, and compliance in a rapidly evolving landscape

Your learning journey

Module 1: Cryptocurrency and Blockchain Principles

This introductory module provides a clear overview of digital assets and cryptoassets, alongside the fundamental principles of blockchain technology. Designed to establish a shared foundation, it ensures you develop the core knowledge required to confidently engage with subsequent modules, regardless of your prior experience in the digital assets space.

Module 2: Digital Money

This module explores the evolution and diversity of digital money, from early applications such as game tokens to more advanced developments including Central Bank Digital Currencies (CBDCs). You will examine the defining characteristics of different forms of digital money across the public–private spectrum.

With a strong focus on stablecoins and CBDCs, the module analyses their underlying rationale, core features, and associated risks, equipping you with a clear understanding of their implications for business strategy, innovation, and regulatory compliance.

Module 3: Tokenisation and Centralised Finance

This module develops your understanding of tokens, cryptoassets, and the core components of centralised finance (CeFi), including exchanges, custody, and payment services. You will explore how tokenisation is applied in practice and examine the role of CeFi within the broader financial ecosystem.

Through real-world examples and case studies the module highlights the opportunities risks and regulatory considerations associated with CeFi, equipping you to navigate this evolving landscape with greater confidence.

Module 4: Distributed Financial Market Infrastructure

This module introduces the principles and applications of decentralised finance (DeFi) and its role within the evolving financial ecosystem. You will explore how DeFi differs from traditional finance (TradFi), the key protocols and business models that underpin it, as well as how the two can interoperate and create new opportunities for innovation.

A detailed case study of MakerDAO (now evolving to Sky ecosystem) offers practical insight into decentralised lending and stablecoin issuance. The module concludes by evaluating how DeFi can be applied within more traditional financial contexts, highlighting its potential to complement existing systems and reshape financial market infrastructure.

Module 5 – Cryptoassets and ESG

This module explores the intersection of cryptoassets and environmental, social, and governance (ESG) considerations, building on key blockchain concepts introduced earlier in the course. You will deepen your understanding of major cryptocurrencies such as Bitcoin and Ethereum, alongside emerging topics such as crypto carbon accounting.

You will examine the environmental impact of cryptoassets, including approaches to estimating energy consumption and climate effects, as well as emerging industry solutions aimed at reducing their environmental footprint.

The module also explores governance within decentralised ecosystems, including DAOs, enabling a more informed and balanced assessment of opportunities, risks and governance challenges associated with digital assets.

Module 6 – Regulation and Supervision of Digital Assets

This module examines the evolving regulatory landscape for digital assets and explores how regulation shapes market development, risk management, and organisational strategy.

Drawing on global perspectives, the module highlights how different jurisdictions are approaching the supervision of digital assets and the challenges associated with developing effective regulatory frameworks.

By the end of the module, you will be better equipped to interpret regulatory developments, assess their implications for your organisation, and navigate an increasingly complex compliance environment with confidence.

Capstone Project Presentations

You will develop a capstone project that brings together your expertise, interests and experiences to develop a new initiative within your institution.

Module 7 – Digital Assets Corporate Strategy and Compliance

This module focuses on how organisations can develop and implement effective digital asset strategies, while ensuring robust compliance with evolving regulatory requirements.

The module examines the key components of a successful corporate strategy, including opportunity identification, governance structures, operational considerations and risk management approaches associated with digital assets.

With a strong emphasis on compliance, you will gain insight into best practices for aligning with regulatory expectations, strengthening internal controls, and embedding responsible innovation within your organisation. By the end of the module, you will be equipped to support strategic decision-making and drive the effective, compliant adoption of digital assets at an enterprise level.

Course leadership and module leads

Raghavendra Rau, Academic Director, CCAF

Professor’s Rau academic research focuses on how firms and investors acquire and use information. He has held senior academic and leadership roles internationally, including President of the European Finance Association, and is a former principal at Barclays Global Investors.

Bryan Zhang, Co-founder and Executive Director, CCAF

Bryan is a globally recognised leader in FinTech and regulatory innovation and Co-Founder and Executive Director of the Cambridge Centre for Alternative Finance at the University of Cambridge.

Hunter Sims, Associate Director, CCAF

Hunter is Associate Director of Business and Operations at the Cambridge Centre for Alternative Finance. His work focuses on digital assets, financial inclusion and frontier market investing, informed by experience across corporate banking in the United States and digital transformation in microfinance in Rwanda.

Keith Bear, Fellow and Digital Assets and Distributed Ledger Technology Expert, CCAF

Keith is Chair of the Cambridge Digital Asset Research programme, specialising in digital assets, AI and fintech innovation. He previously led IBM’s global Financial Markets business and serves on the advisory boards of five fintech firms.

Hugo Coelho, Director of Policy and Advisory, Fii

Hugo oversees research and advisory work on digital assets, artificial intelligence, big tech, and climate and technology at Financial Innovation for Impact (Fii). He served as chief advisor to the President of the Eurogroup, where he was closely involved in negotiations on the Capital Markets Union, Banking Union, and other key financial regulations relevant to the Euro Area.

Alexander Nuemueller, Research Associate, CCAF

Alexander is a Research Associate at the CCAF, where he leads the Cambridge Digital Assets Programme’s research efforts on the climate impact of digital assets. Drawing on extensive practical experience within the crypto ecosystem - from cryptocurrency mining to engaging with DeFi protocols - he brings deep domain expertise to his work. Prior to joining the CCAF, Alexander held various roles in traditional finance, including corporate banking, proprietary trading, and asset management.

Hatim Hussain, Research Affiliate, Fii

Hatim is a Research Affiliate at CCAF. He is a practicing lawyer in India, advising on fintech, data protection, artificial intelligence, e-commerce, gaming, and telecom matters. He holds previous working experience in financial services sector and has served over 8 years on several senior management level roles.

Roman Proskalovich, Digital Assets Research Lead, Fii

Roman leads the Emergent Money Systems workstream within the Cambridge Digital Assets Programme at the CCAF and Digital Assets research lead at Fii. Besides academic research Roman has also worked for the industry and government: he has more than 8 years of practical experience in the field of economics, finance and investment, including 3 years at the governmental agency, which facilitates foreign investment, analyzes macroeconomic processes and participates in the development of investment policies.

CCAF alumni testimonials

“The Digital Assets course at Cambridge Judge Business School was an exceptional experience. Covering a broad range of topics—from blockchain fundamentals and cryptocurrencies to tokenization, ESG and regulation—the course provided valuable, up-to-date insights into the digital assets landscape. The curriculum was thoughtfully designed, offering both foundational knowledge and the latest industry developments. The faculty’s expertise made complex topics accessible and engaging. I finished the course with a comprehensive and practical understanding of digital assets. I highly recommend this program to anyone seeking a thorough and insightful introduction to digital assets and their impact on the financial world. ”

Peter Ten-Broeke
J.P. Morgan

“CDAE gave me more than insights, it reshaped how I think about digital assets and their role in society.”

Rahmia Hasniasari
DANA Indonesia

“This course is not only enriching in its content, but also eye opening for entrepreneurs seeking opportunities in this industry.”

Reginald Tumusiime
CapitalSavvy, Uganda

“An exceptional programme that combines world-class teaching, rich learning content, and practical application through the Capstone - enabling a step change in both understanding and real-world impact.”

Susan Harper
Lloyds Banking Group

FAQs

1 What is the Cambridge Digital Assets for Enterprises course about?

Designed for forward-thinking organisations, the Cambridge Digital Assets for Enterprises course offers a rigorous, globally informed exploration of the rapidly evolving digital assets landscape. Drawing on the expertise of Cambridge academics and leading industry practitioners, the course equips you to decode complex concepts, from blockchain and tokenisation to regulation and ESG, while translating insight into strategic action. Through a dynamic blend of real-world case studies, peer exchange, and live engagement, you will develop the confidence to identify opportunities, manage risks, and navigate regulatory change empowering your organisation to innovate responsibly and compete in an increasingly digital financial system.

2 Who is this course designed for?

- Designed for professionals across finance, legal, regulatory, and compliance roles, as well as entrepreneurs, business leaders, and consultants
- Suitable for individuals seeking to build a strong understanding of blockchain, fintech, and the digital assets ecosystem
- Tailored for those looking to develop a comprehensive, enterprise-focused perspective on digital assets and their impact on organisations
- Ideal for professionals aiming to strengthen their knowledge to support strategic decision-making, innovation, and compliance in a rapidly evolving landscape

3 Do I need a technical background in financial technologies

No technical background is required.

4 Do I need to be proficient in English to attend the courses?

Unless specified, all our courses are taught in English and participants are required to be proficient in spoken and written English to attend. We do not provide translation facilities.

5 How long is the course and what is the expected time commitment?

The course runs for 8 weeks and is delivered fully online. You should expect to dedicate approximately 5–6 hours per week to lectures, learning materials, discussions, and assignments.

6 How is the course delivered?

The course combines several learning formats designed to support practical, collaborative learning, including:

- Online learning through a virtual learning environment
- Live sessions with global experts
- Real-world case studies
- Knowledge checks and reflection exercises
- Moderated peer discussions
- A mentored capstone project
- Together, these elements create an engaging learning experience for professionals across the global regulatory community.

7 When does the next cohort start?

Visit our website for upcoming cohort dates: www.jbs.cam.ac.uk/faculty-research/centres/alternative-finance/courses/cambridge-digital-assets-for-enterprises-cdae/

8 How much does the course cost?

The course fee is USD 2,500.

*UK-based learners (companies and individuals) will be charged 20% UK VAT, and fees will be payable in GBP. EU individuals will pay VAT based on their country of residence.

9 What research informs this course?

The course draws on the latest research, global case studies, and the collective expertise of leading academics and practitioners in fintech, digital assets, digital financial services, policy, and regulation, bringing together participants from across the globe, fostering a vibrant learning environment where ideas are exchanged, challenges are debated, and solutions are co-created.

10 How can I get more information or contact the course team?

For further information about the course or the application process, please contact the course team:

Email: ccaf.edu@jbs.cam.ac.uk

One of our course co-ordinators will be able to provide additional details and discuss how the course can support your organisation's objectives.

Certificate of Completion

Upon successful completion of the course, you will be awarded a digital certificate of completion by Cambridge Judge Business School Executive Education.

- Built-in social sharing tools allow you to celebrate your achievement with your network via LinkedIn, email and other platforms.
- Make your achievement discoverable on search engines, or set it to private and share it only with selected people.
- Ability to embed on your website or email.
- Available for download in digital format and print.

Why Cambridge Centre for Alternative Finance?

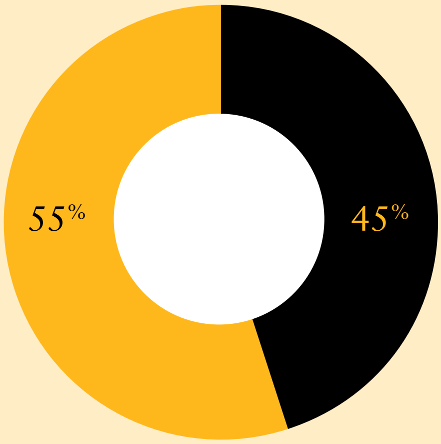
The Cambridge effect

- University of Cambridge and world-leading experts on digital financial services
- Real-world solution designs initiated through capstones

Global reach

- 4,000+ strong alumni
- 3,000+ joined global Regulatory Knowledge Exchange
- 1,700+ capstones initiated
- 600 institutions engaged from 160+ countries

Gender intentional



Female participants   Male participants

Institutional impact

- 56% reported improved regulatory frameworks or policy development
- 41% saw cross-departmental cooperation
- 47% of regulators are currently engaged in activities ranging from pilot phases to the completion of their capstone projects
- 25% launched new strategic initiatives

Contact us

If you have any questions and/or would like to explore how this course can benefit you or your organisation, please feel free to contact our Course Advisor.

Kimberley Benwell, Course Co-ordinator
Email: ccaf.edu@jbs.cam.ac.uk

Cambridge
Centre
for Alternative
Finance

UNIVERSITY OF
CAMBRIDGE
Judge Business School

The Cambridge Centre for Alternative Finance is a research centre within the University of Cambridge Judge Business School focused on global and comparative research into technology-enabled fintech and the associated regulatory and policy implications and responses.

Cambridge Centre for Alternative Finance, Judge Business School, University of Cambridge, Trumpington Street, Cambridge, CB2 1AG, United Kingdom

T: +44 (0)1223 762183

Email: ccaf.edu@jbs.cam.ac.uk

UNIVERSITY OF
CAMBRIDGE
Judge Business School

ExecutiveEducation

Certified B Corporation

JBS Executive Education Limited is a wholly owned subsidiary of the University of Cambridge. JBS Executive Education Limited is the limited company designing, developing and delivering Executive Education from Cambridge Judge Business School, University of Cambridge.

Cambridge Judge Business School, Executive Education, Trumpington Street, Cambridge, CB2 1AG, United Kingdom

T: +44 (0)1223 762183

The organisers reserve the right to change any details of the course without notice.