



Blockchain Fundamentals and Applications

Certificate Program

SUMMARY

- Students are introduced to the world of Blockchain – and how a movement to decentralize data storage is transforming industries, from finance, to law, to logistics
- Students are introduced to the applications of Blockchain in multiple sectors, including banking and finance, law, medicine, shipping and transportation, and even personal recordkeeping.
- Students learn about execution of Blockchain technologies, and how Blockchain impacts jobs and everyday life.
- Students learn about security, privacy and regulatory questions about Blockchain.
- **Certification is awarded after successfully completing the course requirements.**

TEXTBOOK

Text and course materials will be available electronically at the start of the course.

TOPICS AND ASSESSMENTS BY WEEK

Note: All assignments and quizzes are due on the ending Sunday of each week at 11:59 PM EST. Late work accepted only with Instructor permission.

Week	Topics	Engagement	Individual Assessments
1	Blockchain Fundamentals: Ledgers, Cryptocurrencies, Networking and How Cypherpunks Created a New Normal in Data Storage	Engagement-1	Individual Assessment-1
2	Security in the Blockchain: The Transformative Nature of a Public Ledger & How Blockchain Enables Smart Contracts	Engagement-2	Individual Assessment-2
3	The Blockchain as the Essential Technology for Cryptocurrencies	Engagement-3	Individual Assessment-3
4	Blockchain and the Transformation of Finance, Banking, Law and Logistics	Engagement-4	Individual Assessment-4
5	Blockchain and the Creation and Execution of Smart Contracts and the Transformation of Personal Record Keeping	Engagement-5	Individual Assessment-5
6	Use of Blockchain Across Sectors: Security, Privacy and Regulation	Engagement-6	Individual Assessment-6

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GRADING

INDIVIDUAL ASSESSMENTS: Individual assessments are untimed, multiple-choice exercises.

ENGAGEMENT: You must make at least 2 comments, per week. Your comments can either be newsfeed or discussion comments. For example, you can make 1 newsfeed and 1 discussion comment, 2 newsfeed comments or 2 discussion comments each week and receive full credit.