

CHENEGA

BLOCKCHAIN COURSE

MASTERING BLOCKCHAIN: TECHNOLOGY AND ARCHITECTURE



WHAT IS BLOCKCHAIN?

Traditionally, data is stored in a centralised database with a single central authority and single point of failure. Blockchain is the new standard for storing data through a distributed or decentralised database that is less vulnerable to hacking. Blockchain has the potential to transform industries, including: voting, shipping and records and identity management.

Mastering Blockchain: Technology and Architecture is the first in a series of Blockchain courses delivered fully online by Chenega in partnership with Ulster University. The course introduces candidates to Blockchain from a beginner's level of study, starting with the fundamentals of Blockchain Technology and Architecture, applications and use cases.

WHO CAN TAKE THE COURSE?

- > Available to all members of the public
- > No entry requirements
- > No prior knowledge of the subject matter is necessary
- > Blockchain is fundamental to business and to all professions, from information technology and cyber security to law enforcement and corporate business.

Course dates are available on our website. Sign up at: www.chenegaeurope.com/blockchain or [contact](mailto:yvonne.davidson@chenegaeurope.com)

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AN ACADEMIC PARTNERSHIP

Our partnership with Ulster University provides us access to internationally recognised accreditation for our training and qualifications. Ulster is a leader in degree level vocational training and works with professional bodies, such as Chenega, to ensure programs are current and fit for purpose. The university is a member of the association of Commonwealth Universities, the European University Association, Universities of Ireland and Universities UK.



COURSE OVERVIEW

eLearning



4 weeks online, flexible distance learning

Course Load



10 – 15 hours per week (recommended)

Certification



Receive 15 academic credits and level 4 certification from Ulster University

Support



Full eTutor support from Chenega and Ulster University SMEs

COURSE CONTENT



MODULE 1: INTRODUCTION & FUNDAMENTALS

- > Overview, Key Terms & Storage Descriptors
- > Distribution & Synchronisation
- > Smart Contracts
- > Consensus
- > Immutability



MODULE 2: USE CASES, PLANNING & IMPLEMENTATION

- > Benefits & Importance of Blockchain
- > Transparency & Traceability
- > Speed & Efficiency
- > Security & Cost
- > Blockchain Structure, Ledger & Essential Authority
- > Popular Platforms: Public, Private & Consortium
- > Platform Security, Advantages & Disadvantages



MODULE 3: BLOCKCHAIN & CRYPTOCURRENCY

- > Digital Wallets
- > Cryptocurrency Mining
- > The Dark Web & Dark Markets
- > Bitcoin Applications
- > Bitcoin Value & Future Worth



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