





Blockchain Course (Level IV):

Gateway to the World of Blockchain – From Theory to Application

(A4BLC001C, A4BLC001C-1, A4BLC001C-2)

Introduction	<p>Have you ever heard about “Blockchain”? This versatile technology can do so much more besides the most discussed functions, recording financial transactions and cryptocurrencies. It has strong significance to various applications such as crypto-currency and payment systems, digital rights management, and health records management which improves our everyday experience and work efficiency, without you even noticing it.</p> <p>This programme introduces fundamental theories and technologies of blockchain from technical and commercial perspectives to real life applications, as well as covering concepts of system and blockchain design, such as web design and development, asset tokenization and solution architecture. Students will participate in a series of group discussion and case studies, on topics like “Fintech”, “LawTech”, “HealthTech” and “GovTech” to further strengthen their understanding.</p> <p>In addition, competition coaching covering basic skills, such as elevator pitch, deck and poster design will be included to support students on leveraging their knowledge to compete in IBCOL (International Blockchain Olympiad) with Hong Kong, the Greater Bay Area and world levels. By the end of the programme, students will meet and share with peers from different classes, showcasing their learnings throughout the programme on an exciting Demo Day.</p>
Programme Type / Level	Blockchain Course (Level IV) (Token-required)
Instructors	 <p>Dr Lawrence Ma - President, Hong Kong Blockchain Society <i>B.A. Math (Yale), M.S. Math (Stanford), Ph.D. Math (Cornell)</i></p>  <p>Mr Gabriel Chan - Secretary-General, International Blockchain Olympiad <i>B.A.Sc. Systems Design Engineering, Management Sciences minor (Waterloo)</i></p>
Pre-requisite	No special prerequisites are needed
Target Participants	<ul style="list-style-type: none">➤ S1 to S6 HKAGE student members only in 2021/22 school year (Priority will be given to S4 to S6 students)➤ 90 (30 students per class) <i>*First-come-first-served</i>
Medium of Instruction	A4BLC001: English and handouts in English will be provided A4BLC001C-1: Cantonese and handouts in English will be provided A4BLC002C-2: Cantonese and handouts in English will be provided
Certificate	<p>E-Certificate will be awarded to participants who have:</p> <ul style="list-style-type: none">❖ Attended at least 8 sessions (including 25/6 Demo Day); AND❖ Completed all the assignments with satisfactory performance

Upon completion of the programme, participants should be able to:

Intended Learning Outcomes

1. Explain why blockchain is useful and how blockchain is used in enterprise-grade applications.
2. Identify use cases in Hong Kong and how they fit into the initiatives and policies of the HKSAR government and the Greater Bay Area.
3. Plan a multi-month project to deliver an enterprise-grade blockchain solution prototype or proof-of-concept.
4. Design and build a mock-up of an enterprise-grade blockchain solution prototype or proof-of-concept.
5. Work collaboratively in a multidisciplinary team environment.
6. Communicate complex concepts to an audience with no prior knowledge of blockchain.

Application Procedure

- No screening questions, written test or other screening methods are required for this programme.
- The application is on a first-come-first-served basis. One token is required for this programme. If student members withdraw from the programme after application deadline, the token will be deducted.
- **Since the content of the three classes is the same, students can only apply to one of them. If a student member has been successfully admitted to one of the courses, he/she will not be able to apply for the other two.**
- HKAGE reserves the rights for final decision.

Application Deadline 17 Jan 2022 12:00 noon

Schedule

A4BLC001C: English and handouts in English will be provided

Date	5/2	26/2	19/3	9/4	7/5	25/6
Time	09:30am - 12:30pm & 1:30pm – 4:30pm					
Venue AM	Zoom Meeting	Zoom Meeting	Zoom Meeting	Zoom Meeting	Rm 203 HKAGE	Rm 105 HKAGE
Venue PM						

A4BLC001C-1: Cantonese and handouts in English will be provided

Date	12/2	5/3	26/3	23/4	14/5	25/6
Time	09:30am - 12:30pm & 1:30pm – 4:30pm					
Venue AM	Zoom Meeting	Zoom Meeting	Zoom Meeting	Zoom Meeting	Rm 203 HKAGE	Rm 105 HKAGE
Venue PM						

A4BLC001C-2: Cantonese and handouts in English will be provided

Date	19/2	12/3	2/4	30/4	21/5	25/6
Time	09:30am - 12:30pm & 1:30pm – 4:30pm					
Venue AM	Zoom Meeting	Zoom Meeting	Zoom Meeting	Zoom Meeting	Rm 203 HKAGE	Rm 105 HKAGE
Venue PM						

- The course content of the above three classes is the same. Students can apply to one of them according to the medium of instruction, class date and location.
- Students should manage their own lunch.
- Students are recommended to bring their own laptop to install system software to facilitate learning.

Enquiries

For enquiries, please contact us on 3940 0101 or email at programme@hkage.org.hk.