2019-20 BASc(FinTech) Induction Talk

Dr. K. P. Chow

BASc(FinTech)
Programme Director

Dr. Anthony Tam

Academic Advisor

香 港 大 學 計 算 機 科 學 系

THE UNIVERSITY OF HONG KONG

DEPARTMENT OF
COMPUTER SCIENCE

2nd Major / Minor(s) / Discipline Electives / Free Electives
(90 credits)

FinTech Major (96 credits)

| Discipline Cores (54 credits) | Discipline Electives (30 credits) | Capstone (12 credits) |

University Requirements (36 credits)

BASc Cores (18 credits)

Programme Structure

University Requirements

- **English course** - CAES9542 Technical English for computer science
    - Will take the course in 1st semester at Year 4

- **Chinese course** - CENG9001 Practical Chinese for Engineering students
    - Local students - will take the course at Year 3 (either 1st or 2nd semester)
    - Mainland students - should take CUND9002 or CUND9003 instead
    - International students - can apply
        - (i) to take credit-bearing Cantonese or Putonghua language course for international students (e.g. CHIN9501 or CHIN9511); OR
        - (ii) to be exempted from the Chinese language requirement and take an elective course in lieu

- **Common Core courses** - total 4 courses
    - At least one course from each Area of Inquiry

BASc Cores

- Total three courses

- DESN9001 Leadership beyond borders - 1st semester of Year 1

- BASC9001 Foundations of human knowledge - 2nd semester of Year 1

- APAI9001 Basic programming and computer software skills - 1st semester of Year 2

DESN9001 Leadership Beyond Borders

1st semester of Year 1

Part 1

Becoming leaders: Kick-off event + High Table Dinner

(06-08 September 2019)

Part 2

Global Leader Experience: Common Purpose

(14-18 October 2019)

Part 3

Leadership through Design Thinking

(November & December 2019)

BASC9001 Foundations of Human Knowledge

2nd semester of Year 1

- This course opens up an interdisciplinary discourse about knowledge building and integration in arts and humanities, social sciences, and sciences. It consists of three parts:

| Philosophical and historical perspective of human knowledge | From knowledge to judgement | Knowledge sharing |

APAI9001 Basic Programming & Computer Skills

1ˢᵗ semester of Year 2

- This course includes content from the online Microsoft Professional Program (MPP). BASc students will take one of the following tracks:

Data Science	Artificial Intelligence	Internet of Things

- Students are expected to learn data analysis, basic programming and computer software skills, which will be useful for tackling interdisciplinary problems now and in the future.

1st Year Enrollment

- 1st Semester
  - BASc core
    - **Leadership beyond borders**
  - A common core course
  - FinTech cores
    - Computer programming I
    - **Introduction to financial technologies**
    - Introductory microeconomics
  - Core university English (only for students with level 4 DSE English)

- 2nd Semester
  - BASc core
    - **Foundations of human knowledge**
  - A common core course
  - FinTech cores
    - Linear algebra, probability and statistics
    - Introduction to financial accounting
  - A free elective course

Recommended Course Enrolment

- 1st Semester
  - ENGG1330 Computer programming I
    - Lecture: Thur 10:30 -12:20 CPD-LG.01
    - Labs:
      - ENGG1330A (1A1, 1A2, 1A3) [Mon: 9:30 – 11:20]
      - ENGG1330A (1B1, 1B2, 1B3) [Mon: 12:30 – 14:20]
      - ENGG1330A (1E1, 1E2, 1E3) [Tue: 10:30 – 12:20]
  - ECON1210 Introductory microeconomics
    - ECON1210A [Mon: 14:30 – 15:20, Thu: 13:30 – 15:20]
    - ECON1210C [Mon: 14:30 – 17:20]

- 2nd Semester
  - ACCT1101 Introduction to financial accounting
    - ACCT11012N [Tue: 10:30 – 12:20, Fri: 11:30 – 12:20]
    - ACCT11012S [Tue: 16:30 – 18:20, Fri: 17:30 – 18:20)

Sample Study Plan

Sample Study Plan for BASc(FinTech) [for 2019/20 intake]

			Semester 1		Semester 2
Year 1 (60 cu) or (66 cu)#	Uni Requirements (12 cu) or (18 cu)# BASc Core (12 cu) FinTech (30 cu) Electives (6 cu)	DESN9001 CC ENGG1330 FITE1010 ECON1210 CAES1000#	Leadership beyond borders University Common Core Computer programming I Introduction to financial technologies Introductory microeconomics Core University English#	BASC9001 CC MATH1853 ACCT1101 Free Elective	Foundations of human knowledge University Common Core Linear algebra, probability and statistics Introduction to financial accounting Elective course in any disciplines
Year 2 (60 cu)	Uni Requirements (12 cu) BASc Core (6 cu) FinTech (24 cu) Electives (18 cu)	APAI9001 CC STAT1603 LLAW3069 Free Elective	Basic programming and computer software skills University Common Core Introductory statistics Regulation of financial markets Elective course in any disciplines	CC FINA1310 ELEC2543 Free Elective Free Elective	University Common Core Corporate finance Object-oriented programming and data structures Elective course in any disciplines Elective course in any disciplines
Year 3 (60 cu)	Uni Requirements (6 cu) FinTech (24 cu) Electives (30 cu)	FT Elective FT Elective CENG9001 / Free Elective Free Elective Free Elective	Elective course in FinTech Elective course in FinTech Practical Chinese for engineering students / Elective course in any disciplines Elective course in any disciplines Elective course in any disciplines	FT Elective FT Elective CENG9001 / Free Elective Free Elective Free Elective	Elective course in FinTech Elective course in FinTech Practical Chinese for engineering students / Elective course in any disciplines Elective course in any disciplines Elective course in any disciplines
Year 4 (60 cu)	Uni Requirements (6 cu) FinTech (18 cu) Electives (36 cu)	FITE4801 CAES9542 FT Elective Free Elective Free Elective	Project Technical English for computer science Elective course in FinTech Elective course in any disciplines Elective course in any disciplines	FITE4801 Free Elective Free Elective Free Elective Free Elective	Project Elective course in any disciplines Elective course in any disciplines Elective course in any disciplines Elective course in any disciplines

- Students with level 4 in HKDSE English Language are required to take 6 additional credits in Core University English to complete their degree studies.

Majors / Minors

- Numerous choices: http://aao.hku.hk/sy3/plan-of-study/major-and-minor/

- May have admission prerequisite/study restriction

- Download and study the syllabus of the Major or Minor
  - Understand the syllabus
    - How many core courses? When are they being offered?
  - Observe the pre-requisite requirements and restrictions
  - Beware of the timetable issue

- Recommend consulting corresponding Temporary Advisor(s) of the offering department/faculty before making your course selection

Sample Study Plans

- URL of the Advising Page (*To be announced*)
  - BASc(FinTech)

  - BASc(FinTec) with 2nd Major in Computer Science
  - BASc(FinTec) with 2nd Major in Business Design and Innovation
  - BASc(FinTec) with 2nd Major in Decision Analytics

  - BASc(FinTec) with Minor in Computer Science
  - BASc(FinTec) with Minor in Actuarial Studies
  - BASc(FinTec) with Minor in Risk Management

  - BASc(FinTec) with Minor in Computer Science and Minor in Actuarial Studies

The samples serve as illustrative purpose. Beware of the pre-requisite and time-tabling issues. Students who opt for a 2nd Major or Minor are responsible for planning for their own course of studies.

FAQs Related to 2nd Major / Minors

- When should I start taking courses?
  - Taking a 2nd Major or double minors:
    - Better start taking courses in 1st year
  - For Minor, can start at 2nd year
- When do I have to register for the option?
  - If you opt for Major / Minor(s), you can declare it after completion of the first year study

- Can I change from a Major to a Minor?
  - In principle, yes
  - Most of the Introductory courses for the Major and Minor are similar or the same.
  - You can make changes to the declaration of Minor or Major during the Course enrollment and ADD/DROP period

Further Enquires

- BASc(FinTech) programme
  - Programme Director – Dr. K. P. Chow
    - Phone: 2859 2191
      Email: chow@cs.hku.hk
      Office: Rm408, Chow Yei Ching Building
  - Academic Advisor – Dr. Anthony Tam
    - Phone: 2859 7073
      Email: atctam@cs.hku.hk
      Office: Rm305, Chow Yei Ching Building
  - First Year Advisor – Dr. John Yuen
    - Phone: 2859 7070
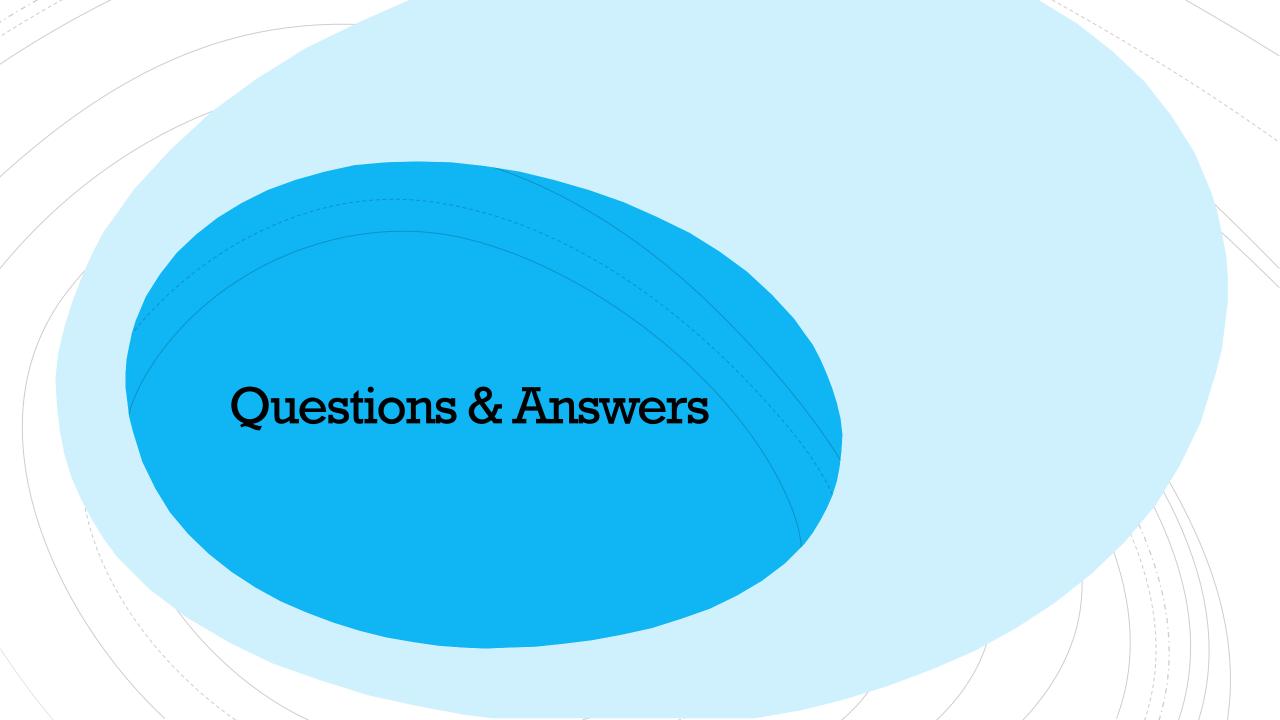   Email: thyuen@cs.hku.hk
      Office: Rm306, Chow Yei Ching Building

- Regulations and Syllabus for the degree of BASc(FinTech) (Subject to approval)
  - https://engg.hku.hk/Teaching-Learning/BEng/Academic-Programmes/Regulations-Syllabuses

- BASc(FinTech) Web site:
  - https://fintech.cs.hku.hk/

- For enrollment issues and general enquiries, please contact CS General Office
  - Office: Rm301, Chow Yei Ching Building
    Email: enquiry@cs.hku.hk

Coming Events

- August 28, 2019 - Faculty Orientation cum Tea Reception for New Students 2019
  - Venue: Loke Yew Hall, Main Building

- Early to Mid September, 2019 - Orientation for BASc(FinTech) students
  - Date, time & venue: To be announced

Questions & Answers

Download this file

- https://i.cs.hku.hk/~atctam/Advisory/2019-20/2019-BASc(FinTech)InductionTalk.pdf