# 2020-21 BASc(FinTech) Induction Talk

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BASc(FinTech) Programme Director

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Academic Advisor

香 港 大 學 計 算 機 科 學 系
THE UNIVERSITY OF HONG KONG
D E P A R T M E N T   O F
COMPUTER SCIENCE

# Download this file

https://i.cs.hku.hk/~atctam/Advisory/2020-21/2020-BASc(FinTech)InductionTalk.pdf

# Download Students' Handbook

Download the Handbook for First Year Students 2020-21
(Prepared by the Faculty Office of Engineering)

https://engg.hku.hk/Portals/0/UG/Induction-Handbook-2020-21.pdf

# Programme Structure

**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)

# University Requirements

**Chinese course** - CENG9001 Practical Chinese for Engineering students
 <u>Local students</u> - Take the course at Year 3 (either 1st or 2nd semester)
 <u>Putonghua-speaking students</u> - should take CUND9002 or CUND9003 instead
 <u>International students</u> - can apply for exemption for CENG9001
  *(i) either take a credit-bearing Cantonese or Putonghua language course for international students; OR*
  *(ii) take an elective course in lieu*
 Please refer to page 10 of the 2020-21 Students' Handbook


**Common Core courses** - total 4 courses
 One course from each Area of Inquiry
  *(i) Scientific and Technological Literary (course code: CCSTxxxx)*
  *(ii) Humanities (course code: CCHUxxxx)*
  *(iii) Global Issues (course code CCGLxxxx)*
  *(iv) China: Culture, State and Society (course code: CCCHxxxx)*

# University Requirements

**English course** - CAES9542 Technical English for computer science

    1st semester at Year 4

**English course** – CAES1000 Core University English

    The syllabus of the FinTech programme does not include this course.

    Students with HK DSE English level 5 or above (<u>or equivalent</u>) are exempted from taking CAES1000.

        *For the list of equivalent qualifications, please refer to page 8 of the Students' Handbook.*

        *For non-local students from places with qualifications not listed in the equivalent list, you can take the course or take the Academic Speaking and Writing test.*

            Please contact Centre for Applied English Studies (CAES) for the details on taking the test.

Students without DSE level 5 or above (or equivalent), they **are required** to take CAES1000 as supplementary credits and complete 246 credits for graduation.

# BASc Cores

Total three courses

**DESN9002** Sustainable Leadership - 1st semester of Year 1

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

**STAT1015** Introduction to data science - 1st semester of Year 2

# 1st Year Enrollment

## 1st Semester

BASc core
- *Sustainable leadership*

One common core course

FinTech cores
- *Computer programming I*
- **Introduction to financial technologies**
- *Introductory microeconomics*

Core university English (only for students who do not have DSE English level 5 or above or equivalent)

## 2nd Semester

BASc core
- *Foundations of human knowledge*

One common core course

FinTech cores
- **Foundations of fintech programming**
- *Introduction to financial accounting*

A free elective course
- *Or University Math I for students without DSE M1/M2*

To satisfy the prerequisite requirement of MATH1853. For other qualifications, please refer to page 11 of the Students' Handbook.

# Recommended Subclasses

## 1st Semester

ENGG1330 Computer programming I

*Lecture: Thur 10:30 - 12:20*

*Labs:*

ENGG1330A (1E1, **1E2**, **1E3**) [Tue: 10:30 – 12:20]

ENGG1330A (1H1, **1H2**, **1H3**) [Thur: 13:30 – 15:20]

ECON1210 Introductory microeconomics

*ECON1210C [Fri: 09:30 – 12:20]*

*ECON1210G [Fri: 09:30 – 12:20]*

## 2nd Semester

ACCT1101 Introduction to financial accounting

*ACCT11012Q [Mon: 09:30 – 12:20]*

*ACCT11012S [Tue: 09:30 – 12:20]*

# Sample Study Plan

## Sample Study Plan for BASc(FinTech) [for 2020/21 intake]

| | | Semester 1 | | Semester 2 | |
|---|---|---|---|---|---|
| **Year 1**<br><br>(60 cu) or<br>(66 cu)# | Uni Requirements<br>(12 cu) or (18 cu)#<br>BASc Core<br>(12 cu)<br>FinTech<br>(30 cu)<br>Electives<br>(6 cu) | DESN9002<br>CC<br>ENGG1330<br>FITE1010<br>ECON1210<br><br>CAES1000# | Sustainable leadership<br>University Common Core<br>Computer programming I<br>Introduction to financial technologies<br>Introductory microeconomics<br><br>Core University English# | BASC9001<br>CC<br>FITE2000<br>ACCT1101<br>Free Elective /<br>MATH1011** | Foundations of human knowledge<br>University Common Core<br>Foundations of fintech programming<br>Introduction to financial accounting<br>Elective course in any disciplines /<br>University mathematics I |
| **Year 2**<br><br>(60 cu) | Uni Requirements<br>(12 cu)<br>BASc Core<br>(6 cu)<br>FinTech<br>(24 cu)<br>Electives<br>(18 cu) | STAT1015<br>CC<br>MATH1853<br>FT Elective<br>Free Elective | Introduction to data science<br>University Common Core<br>Linear algebra, probability and statistics<br>Elective course in FinTech<br>Elective course in any disciplines | CC<br>FINA1310<br>FITE2010<br>Free Elective<br>Free Elective | University Common Core<br>Corporate finance<br>Distributed ledger and blockchain<br>Elective course in any disciplines<br>Elective course in any disciplines |
| **Year 3**<br><br>(60 cu) | Uni Requirements<br>(6 cu)<br>FinTech<br>(24 cu)<br>Electives<br>(30 cu) | LLAW3069<br>FT Elective<br>CENG9001 /<br>Free Elective<br>Free Elective<br>Free Elective | Regulation of financial markets<br>Elective course in FinTech<br>Practical Chinese for engineering students /<br>Elective course in any disciplines<br>Elective course in any disciplines<br>Elective course in any disciplines | FT Elective<br>FT Elective<br>CENG9001 /<br>Free Elective<br>Free Elective<br>Free Elective | Elective course in FinTech<br>Elective course in FinTech<br>Practical Chinese for engineering students /<br>Elective course in any disciplines<br>Elective course in any disciplines<br>Elective course in any disciplines |
| **Year 4**<br><br>(60 cu) | Uni Requirements<br>(6 cu)<br>FinTech<br>(18 cu)<br>Electives<br>(36 cu) | FITE4801<br>CAES9542<br>FT Elective<br>Free Elective<br>Free Elective | Project<br>Technical English for computer science<br>Elective course in FinTech<br>Elective course in any disciplines<br>Elective course in any disciplines | FITE4801<br>Free Elective<br>Free Elective<br>Free Elective<br>Free Elective | Project<br>Elective course in any disciplines<br>Elective course in any disciplines<br>Elective course in any disciplines<br>Elective course in any disciplines |

# - Students with level 4 in HKDSE English Language are required to take 6 additional credits in Core University English and complete 246 credits for graduation.

** - Students without DSE Extended Module 1 or 2 should take MATH1011 (as free elective) before taking MATH1853.

# Majors / Minors

Numerous choices: https://aao.hku.hk/list-of-major/, https://aao.hku.hk/list-of-minor/

May have admission prerequisite/study restriction

Download and study the syllabus of the Major or Minor programme
- 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 consult the corresponding Temporary Advisor(s) of the offering department/faculty before making your course selection

# Sample Study Plans

BASc(FinTech) Academic Advising Page: https://www.cs.hku.hk/programmes/basc-fintech/academic-advising

BASc(FinTech)

BASc(FinTec) with 2nd Major in Computer Science
BASc(FinTec) with 2nd Major in Entrepreneurship 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

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(First Year Advisor)

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Regulations and Syllabus for the degree of BASc(FinTech) (Subject to approval)

https://engg.hku.hk/Teaching-Learning/BEng-BASc/Academic-Programmes/Regulations-Syllabuses

BASc(FinTech) Web site:

https://www.cs.hku.hk/fintech-home

For enrollment issues and general enquiries, please contact CS General Office

Office: Rm301, Chow Yei Ching Building
Email: enquiry@cs.hku.hk

First Year Experience Website

https://www.fye.hku.hk/

# 1st Semester Course Selection

First Semester Course Selection Periods (page 23 of Students' Handbook)

Course Selection Period

*Start: August 21 10:00*

*End: August 27, 16:00*

Add/Drop Period

*Start: Sept 1 10:00*

*End: Sept 15 16:00*

https://0fe7c8a0-9935-4af8-8b9b-e39aefb32bbe.filesusr.com/ugd/a96024_cc5cd4deef7c4bf4bd2cff8f8bf81cd8.pdf

# Coming Events

FACULTY INDUCTION TALK

Date: August 26, 2020 (Wednesday)
Time: 10:00 a.m. - 11:00 a.m.
Registration Link: https://hkuems1.hku.hk/hkuems/ec_hdetail.aspx?ueid=71205

**Inauguration Ceremony** is the University's formal welcome to all first-year students at which they will meet the principal officers and senior academics of the University

Date: Monday, 31 August, 2020

Time: 11:00 a.m. – 12:00 noon

https://www.cedars.hku.hk/inaugurationceremony

Questions & Answers