BSc Computational Finance and Financial Technology — Financial Technology Stream - 4 Year Structure (2021 intake)
Effective from Catalogue Term: Semester A 2021 / 2022

Yr/Sem							Offer Year
1A	CB2400 Microeconomics	CS1102 Introduction to Computer Studies	MA1200 Calculus and Basic Linear Algebra I or MA1300 Enhanced Calculus and Linear Algebra I	College-specified course CB2240 Introduction to Business Programming in Python	GE1401 University English or EAP (Note 1)	Sem A or B CHIN1001 University Chinese I (Note 3)	2021 2022
1B	CB2100 Introduction to Financial Accounting	CB3410 Financial Management	MA1201 Calculus and Basic Linear Algebra II or MA1301 Enhanced Calculus and Linear Algebra II	CS2311 Computer Programming	FT Stream Core CB2500 Information Management	GE2402 English for Business Communication or EAP (Note 1)	
2A	EF3320 Security Analysis and Portfolio Management	CS3402 Database Systems	FT Stream Core IS3501 Cybersecurity for Business	College-specified course MA2185 Discrete Mathematics	GE1501 Chinese Civilization – History & Philosophy	GE1401 University English (for students taken EAP)	2022 2023
2B	EF4313 Corporate Finance	MA2506 Probability and Statistics (4 credit units)	FT Stream Core EF4314 Corporate Valuation	FT Stream Core CS3334 Data Structures	College-specified course CS2312 Problem Solving and Programming	GE2402 English for Business Communication (for students taken EAP)	
3A	EF4321 Derivatives and Risk Management	MS3252 Regression Analysis	FT Stream Core IS3240 Advanced Business Programming in Python	FT Stream Elective 1	GE (Note 2)		2023 2024
3B	FT Stream Core IS4335 Data Visualization	FT Stream Core IS3101 Cryptocurrency and Blockchain	FT Stream Core (Sem A or B) IS4940 Global Technology Entrepreneurship and Innovation (Sem B) OR MGT2324 Introduction to Entrepreneurship (Sem A)	GE (Note 2)	GE (Note 2)		
4A	FT Stream Core IS4920 FinTech Capstone Project (6 credit units)	FT Stream Core IS4861 Machine Learning for Business	FT Stream Core IS4837 Regulatory Compliance for Financial Services Technologies	Free Elective / Minor	Free Elective / Minor		2024 2025
4B		FT Stream Elective 2	GE (Note 2)	Free Elective / Minor	Free Elective / Minor		

Minimum Credits Required

- GE: GE Area courses (12 CU) + College-specified courses (9 CU)
- GE: ENGL (6 CU) + CCIV (3 CU)
- College: College Core courses (9 CU)
- Major Core: 31 CU
- FT Stream Core: 36 CU
- FT Stream Electives: 6 CU
- Minor/Free Electives: 12 CU

Min. No. of credit units: 124 CU

Max. No. of credit units: 144 CU

Note:

(1) English Language Requirement:

Students admitted with HKDSE English Level 3 or equivalent are required to complete two 3-credit EAP courses, LC0200A English for Academic Purposes 1 and LC0200B English for Academic Purposes 2, prior to taking the 2 GE English courses (GE1401 and GE2402).

Note: Students who demonstrate that they have achieved a grade B or above in their overall course results for LC0200A will achieve 3 credits and also be considered to have satisfied the pre-requisite for entry to the GE English courses without needing to take LC0200B.

(2) Gateway Education Course Distributional Requirements

Take at least 3 credits from each of the 3 areas:

Area 1: Arts and Humanities

Area 2: Study of Societies, Social and Business Organizations

Area 3: Science and Technology

(3) Chinese Language Requirement

Students scoring below Level 4 in HKDSE Chinese Language, or scoring below Grade D in HKALE AS-level Chinese Language and Culture are required to take a 3-credit unit course CHIN1001 University Chinese I.

This document is subject to change without prior notice.
Last Update: 15 Apr 2021

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Stream Electives (6 credit units) : Students are required to take 2 courses from the following list:

CB2101 Introduction to Managerial Accounting	IS2502 Social Media and Social Networks
CB2201 Operations Management	IS3230 Java Programming for Business
CB2300 Management	IS3430 System Analysis and Design
CB2402 Macroeconomics	IS4032 Mobile Apps
CB2601 Marketing	IS4537 Information Systems Audit
CB3043 Business Case Analysis & Communication	IS4543 Risk Management and Information Systems Control
EF4312 Mergers & Acquisitions	MKT3603 Consumer Behaviour
EF4323 Trading Room Workshop	