Yr/Sem				jue Term: Semester A 202			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	<u>College-specified course</u> CB2240 Introduction to Business Programming in Python	GE1401 University English or EAP (Note 1)	Sem A or B CHIN1001 University Chinese I (Note 3)	2023
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	<u>CFN Stream Core</u> CB2402 Macroeconomics	GE2402 English for Business Communication or EAP (Note 1)	2024
2A	EF3320 Security Analysis and Portfolio Management	CS3402 Database Systems	<u>CFN Stream Core</u> MA2001 Multi-variable Calculus and Linear Algebra	<u>College-specified course</u> CS3334 Data Structures	GE1501 Chinese Civilization – History & Philosophy	GE1401 University English (for students taken EAP)	2024 2025
2В	EF4313 Corporate Finance	MA2510 Probability and Statistics (3 credit units)	<u>CFN Stream Core</u> MA3511 Ordinary Differential Equations	<u>CFN Stream Core</u> MS3601 Optimization Methods	GE (Note 2)	GE2402 English for Business Communication (for students taken EAP)	
3A	EF4321 Derivatives and Risk Management	MS3252 Regression Analysis	<u>CFN Stream Core</u> EF3520 Stochastic Calculus for Finance	CEN Stream Core MS2602 Statistical Inference	<u>College-specified course</u> MA3525 Elementary Numerical Methods		2025
3В	<u>CFN Stream Core</u> EF4822 Financial Econometrics	CFN Stream Core EF4820 Derivatives Pricing I: Stock and FX	<u>CFN Stream Core</u> MS3111 Data Analytics with Excel VBA	GE (Note 2)	GE (Note 2)		2026
4A	CFN Stream Core EF4821 Derivatives Pricing II: Interest Rate and Credit Risk	<u>CFN Stream Core</u> CB4001 Honor Thesis (Sem A or B)	CFN Stream Elective 1	Free Elective / Minor	Free Elective / Minor		2026 2027
4B	<u>CFN Stream Core</u> EF4328 Asset Management	CFN Stream Elective 2	GE (Note 2)	Free Elective / Minor	Free Elective / Minor		

BSc Computational Finance and Financial Technology — Computational Finance Stream - 4 Year Structure	(2023 Intake and thereafter)
Effective from Catalogue Term: Semester A 2023 / 2024	

Minimum Credits Required

Note: (1) English Language Requirement:

GE: GE Area courses (12 CU) + College-specified courses (9 CU)	(1) English Language Requirement:
GE: ENGL (6 CU) + CCIV (3 CU)	Students admitted with HKDSE English Level 3 or equivalent are required to complete two 3-credit EAP courses, LC0200A English for Academic Purposes 1
College: College Core courses (9 CU)	and LC0200B English for Academic Purposes 2, prior to taking the 2 GE English courses (GE1401 and GE2402).
Major Core: 30 CU	Note: Students who demonstrate that they have achieved a grade B or above in their overall course results for LC0200A will achieve 3 credits
CFN Stream Core: 36 CU	and also be considered to have satisfied the pre-requisite for entry to the GE English courses without needing to take LC0200B.
CFN Stream Elective: 6 CU	(2) Gateway Education Course Distributional Requirements
Minor/Free Electives: 12 CU	Take at least 3 credits from each of the 3 areas:
Min. No. of credit units: 123 CU	Area 1: Arts and Humanities
Max. No. of credit units: 144 CU	Area 2: Study of Societies, Social and Business Organizations
	Area 3: Science and Technology
Individual Class	(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.

CB2300 Management	EF4331 International Finance and Banking
CB3043 Business Case Analysis & Communication	EF4334 Regulation and Management of Financial Institutions
CS3391 Advanced Programming	MA3514 Numerical Methods for Differential Equations
CS4335 Design and Analysis of Algorithms #	MA4542 Real Analysis
EF4312 Mergers & Acquisitions	MS3106 Simulation
EF4314 Corporate Valuation	MS4212 Predictive Analytics & Forecasting
EF4323 Trading Room Workshop	MS4224 Enterprise Data Mining
EF4327 Fixed Income Securities	MS4252 Big Data Analytics