GE Requirements (39 credit units)	+	College / School Requirements (12 credit units)	+	Major Requirements, including (99 credit units)	=	Total (150 credit units)

Catalogue Term 2022-23

2022-2023 (1st Year)

Semester A		Units	Semester B		Units	Total
CB2100	Introduction to Financial Accounting	3	CB2402	Macroeconomics	3	
CB2400	Microeconomics	3	CB3410	Financial Management	3	
CS1302	Introduction to Computer Programming	3	CS2310	Computer Programming	3	
JC2066	IT Professionals: Ethical, Legal and Social Issues	3	CS2204	Fundamentals of Internet Applications Development	3	
GE1401	University English	3	GE2410 or GE2402	English for Engineering or English for Business Communication	3	
MA1200 or MA1300	Calculus and Basic Linear Algebra I or Enhanced Calculus and Linear Algebra I	3	MA1201 or MA1301	Calculus and Basic Linear Algebra II or Enhanced Calculus and Linear Algebra II	3	
		18			18	36

2023-2024 (2nd Year)

Semester A		Units	Semester B		Units	Total
CS2611	Seminars on Contemporary Technology I	0	CS2611	Seminars on Contemporary Technology I	1	
CS2115	Computer Organization	3	CS3342	Software Design	3	
CS2312	Problem Solving and Programming	3	EF4313	Corporate Finance	3	
CS3402	Database Systems	3	MA2510	Probability and Statistics	3	
EF3320	Security Analysis and Portfolio Management	3	MA3511	Ordinary Differential Equations	3	
MA2001	Multi-variable Calculus and Linear Algebra	3	MS3601	Optimization Methods	3	
MA2185	Discrete Mathematics	3				
		18			16	34

2024-2025 (3rd Year)

Semester A		Units	Semester B		Units	Total
CS3201	Computer Networks	3	CS3334	Data Structures	3	
EF3520	Stochastic Calculus for Finance	3	EF4820	Derivatives Pricing I: Stock and FX	3	
EF4321	Derivatives and Risk Management	3	EF4822	Financial Econometrics	3	
MS2602	Statistical Inference	3	GE1501	Chinese Civilisation - History and Philosophy	3	
MS3252	Regression Analysis	3				
MA3525	Elementary Numerical Methods	3				
		18			12	30

2025-2026 (4th Year)

Semester A		Units	Semester B		Units	Total
CS3504	IT Professional Placement	6*	CS3504	IT Professional Placement	6*	
CS3343	Software Engineering Practice	3	CS3103	Operating Systems	3	
CS4335	Design & Analysis of Algorithms	3	GE-1	Gateway Education (Area) – GE (1)	3	
		12			12	24

2026-2027 (5th Year)

Semester A		Units	Semester B		Units	Total
CB4001	Honor Thesis	3	CS4514A	Project	6	
EN4262	English Communication Skills for Computing	2	EF4328	Asset Management	3	
EF4821	Derivatives Pricing II: Interest Rate and Credit Risk	3	GE-4	Gateway Education (Area) – GE (4)	3	
GE-2	Gateway Education (Area) – GE (2)	3				
GE-3	Gateway Education (Area) – GE (3)	3				
		14			12	26

Total Credit Units: 150 (minimum graduation requirement)
Maximum Credit Units: 180 (student may take a minor or opt to take more free electives provided that they have not yet reached the maximum credit limit or maximum period of study permitted.)

Remarks:
* Partial credit units for year-long courses, granted only if completing the whole course.

Please refer to the curriculum page for more information including Prerequisite and Precursor requirements of individual courses:

https://www.cityu.edu.hk/catalogue/ug/current/DoubleDegree/DBSCBSC_D004-4.htm

Updated on 12 June 2024