

First Major MA -- Second Major Business Analysis (Business Analysis Stream)

Effective Catalogue Term: Sem A 2022/2023

Yr/Sem								Offer Year	
1A	MA1502 Algebra (Pre-registered) / or CHEM1200 Discovery in Biology / CHEM1101 Introduction to Chemistry / CHEM1300 Principles of General Chemistry / PHY1101 Introductory Classical Mechanics / PHY1201 General Physics I	MA1300 Enhanced Calculus and Linear Algebra I	CS1302 Introduction to Computer Programming	GE1401 University English or EAP [#]	GE1501 Chinese Civilization – History & Philosophy / GE1★	CSCI1001 Employability for Scientists (Compulsory for BSCM Students, 0 CU)		Sem A or B CHIN1001 University Chinese I ▲	2022
1B	PHY1201 General Physics I (Pre-registered) or MA1501 Coordinate Geometry / CHEM1200 Discovery in Biology / CHEM1101 Introduction to Chemistry / CHEM1300 Principles of General Chemistry / PHY1101 Introductory Classical Mechanics	MA1301 Enhanced Calculus and Linear Algebra II	GE2★	GE2401 English for Science or EAP [#]	GE1501 Chinese Civilization – History & Philosophy / GE1★	CSCI1002 Career Lab for Scientists (Compulsory for BSCM Students, 0 CU)			
2A	MA2503 Linear Algebra	MA2509 Discrete Mathematics	MA2508 Multi-variable Calculus	CS2360 Java Programming	GE3★			GE1401 University English (for students taken EAP)	2023
2B	MA2507 Computing Mathematics Laboratory	MA3511 Ordinary Differential Equations	MA3526 Analysis	CS2468 Data Structures and Data Management	(exempted) MA2540 Probability and Statistics	GE2262 Business Statistics (GE4★, Area 2)		GE2401 English for Science (for students taken EAP)	
3A	MA3512 Partial Differential Equations	MA3525 Elementary Numerical Methods	(exempted) MA3548 Applied Statistics	MA Major Elective 1 ☉	BANL Major Elective 1 ☉	MS3227 Probability and Applications in Business	MS3251 Analytics using SAS		2024
3B	MA3514 Numerical Methods for Differential Equations	MA3515 Introduction to Optimization	MA3517 Complex Analysis	MA Major Elective 2 ☉	MS3111 Quantitative Business Analysis with VBA	MS3252 Regression Analysis			
4A	Free Elective 1			MA Major Elective 3 ☉	BANL Major Elective 2 ☉	MS4224 Enterprise Data Mining	BANL Major Elective 3 ☉		2025
4B	Free Elective 2	Free Elective 3			MS4252 Big Data Analytics	MS4226 Financial Risk Analytics			

Note:

#English Language Requirement:

Students scoring below Level 4 in HKDSE English Language or Grade D in HKALE AS-level Use of English or students who do not possess an equivalent qualification are required to complete two 3-credit unit courses, EL0200A English for Academic Purposes 1 and EL0200B English for Academic Purposes 2, prior to taking the GE English courses. Students who demonstrate that they have achieved a grade B or above in their overall course results for EL0200A will achieve 3 credits and also be considered to have satisfied the pre-requisite for entry to the GE English course without needing to take EL0200B. The credit units of EL0200A and EL0200B will not be counted towards the minimum credit units required for graduation and will not be included in the calculation of the cumulative grade point average (CGPA). However, they will be counted towards the maximum credit units permitted.

★Gateway Education Course Distributional Requirement:

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

▲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.

BANL Second Major Electives:

Students are required to take THREE electives from Groups A and B and **at least ONE must be from Group A.**

Group A

MS3224	Business Survey Design
MS3403	Internship for Business Analysis and Operations Management
MS4212	Predictive Analytics and Forecasting
MS4251	Quantitative Analysis for Marketing
MS4253	Business Analysis Project
MS4262	Advanced Analytics using SAS

Group B

CS2360	Java Programming
CS2468	Data Structures and Data Management
IS3240	Advanced Business Programming in Python
MS3106	Simulation
MS3125	Business Project Management
MS3322	Quality Management
MS4227	Pricing and Revenue Management
LT3233	Computational Linguistics
	Any one Core & Elective course from other BBA Majors