The Hong Kong University of Science and Technology
School of Business and Management
An Example on Student's Pathway (as of 30 July 2025)

RMBI
via SBM

<< Major declaration

School:		School of Business and Management	Student's Pathways (i.e. Study Pattern)		
Department:		Department of Information Systems, Business Statistics & Operations Management	Pathway 2		
Program:		BSc in Risk Management and Business Intelligence	Background: Admitted to RMBI in Year 2 Profile: Normative. Students to graduate in BSc RMBI with Financial Technology Option		

Course Offering Dept (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Sub-total	Remarks
Major Requirements													
Major Required Courses and Electives													
ACCT	2010	Principles of Accounting I	3	3								3	
COMP	1023	Introduction to Python Programming	3			3						3	
COMP/ISOM COMP ISOM	 4331 3360	Note: COMP 4331 OR ISOM 3360 Data Mining Data Mining for Business Analytics	3 3 3					3				3	
COMP/ISOM COMP ISOM	 4651 3370	Note: COMP 4651 OR ISOM 3370 Cloud Computing and Big Data Systems Big Data Technologies	3 3 3						3			3	The pre-requisite of ISOM 3370 can be waived if students have taken COMP 1023 & ISOM 3360. Student who wish to take COMP 4651 should take COMP 2011 in Area 2 (BI).
ECON ECON ECON	 2103 2113	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics Microeconomics	3 3 3	3								3	
ECON	2123	Macroeconomics	3				3					3	
FINA	2303	Financial Management	3		3							3	
ISOM	2010	Introduction to Information Systems	3		3							3	
ISOM	2700	Operations Management	3			3						3	
ISOM/MATH ISOM MATH	 3540 2421	Note: ISOM 3540 OR MATH 2421 Introduction to Probability Models Probability	3-4 3 4					3				3	
ISOM	3710	Business Modeling and Optimization	4						4			4	
ISOM	4520	Statistics for Financial Risk Management	4								4	4	
MATH MATH MATH MATH MATH MATH	 1013 1014 1020 1023 1024	Note: [(MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] Calculus I Calculus II Accelerated Calculus Honors Calculus I Honors Calculus II	4-6 3 3 4 3 3	3		3						6	
MATH MATH MATH	 2011 2023	Note: MATH 2011 OR MATH 2023 Introduction to Multivariable Calculus Multivariable Calculus	3-4 3 4				3					3	
MATH MATH MATH	 2111 2121	Note: MATH 2111 OR MATH 2121 Matrix Algebra and Applications Linear Algebra	3-4 3 4				3					3	
MATH	2411	Applied Statistics	4				4					4	
MGMT	2130	Business Ethics and Social Responsibility	2		2							2	
RMBI	2001	Academic and Professional Development in Risk Management and Business Intelligence	0			0	0	0	0	0	0	0	
RMBI	3110	Introduction to Risk Management and Business Intelligence	3				3					3	
RMBI	4310	Advanced Data Mining for Risk Management and Business Intelligence	3					3				3	
RMBI	4980	Risk Management and Business Intelligence Capstone Project I	4							4		4	
RMBI	4990	Risk Management and Business Intelligence Capstone Project II	4								4	4	
SSCI/SENG/SBM		Risk Management and Business Intelligence Electives (9 credits from the specified elective list, of which at least 1 course should be taken from each specialty area (Area 1 or Area 2). Out of the 9 credits taken, at least 6 credits should be at 3000-level or above)	9				3	3		3		9	Student who wish to take COMP 4651 should take COMP 2011 in Area 2 (BI). Student who wish to take IEDA 4500 should take FINA 3203 in Area 1 (RM).
Required credits for Major Required Courses and Electives			**77 - 82**									**79**	
Option Requirements													
Financial Technology Option													
IEDA/ISOM IEDA ISOM	 4500 3350	Note: IEDA4500 OR ISOM 3350 Engineering Foundations of FinTech FinTech and Cryptoventures	3 3 3						3			3	Student who wish to take IEDA 4500 should take FINA 3203 in Area 1 (RM).
RMBI/FINA/ISOM/COMP/MATH		Financial Technology Electives (Courses from the specified elective list. Courses taken as Major Electives may not be counted toward this requirement)	6					3		3		6	
Required credits for Financial Technology Option			**9**									**9**	
University Legal Education Requirements													
LEGL	1000	Legal Education (Basic Law, National Security Law and Safeguarding National Security Ordinance)	0	0	0	0	0	0	0	0	0	0	It is a self-paced online course.
Sub-total for University Legal Education Requirements			**0**									**0**	
University Common Core													
CORE	C3 - C10	U CORE - Others	24	1	2	3	0	3	3	6	6	24	
CORE	C1 & C2	U CORE - English Language	6	3	3							6	Students who are required to take both English for University Studies (EUS) and English for Specific Academic Purposes (ESAP) shall take them in Y1 Fall and Y1 Spring respectively. For those who are required to take ESAP plus one Advanced Communication (AC) course, they will take ESAP in Y1 and the AC course in any term after completion of ESAP.
Sub-total for University Common Core			**30**									**30**	
		Term load (excl. free credits)											
				13	11	17	16	15@	16@	16@	14		
				109 (w/o option) | 118 (w/ option) #									

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Notes:

\# To graduate, students should complete at least 120 credits in approved courses. They may need to take courses additional to the required and elective courses as specified above to meet this minimum credit requirement.

@ Including 3 credits from the Option

>> *The content of this example is not necessarily equivalent to a complete list of graduation requirements of the program. Students should refer to the Program Catalog/UG Curriculum Handbook for updated graduation requirements. For up-to-date information on course offering and scheduling, students should check it out from respective School and Department.*

2025-26 RMBI (4Y) (2025-26 Intake)