

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 SSCI

<< Major declaration

School: School of Business and Management				Student's Pathways (i.e. Study Pattern)										Remarks
Department: Department of Information Systems, Business Statistics & Operations Management				Pathway 4										
Program: BSc in Risk Management and Business Intelligence				Background: Admitted to RMBI in Year 2										
Course Offering Dept (course code prefix)				Profile: Normative. Students to graduate in BSc RMBI with Financial Technology Option										
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		
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	4331	Note: COMP 4331 OR ISOM 3360	3									3		
COMP	3360	Data Mining for Business Analytics	3					3				3		
COMP/ISOM	4651	Note: COMP 4651 OR ISOM 3370	3									3		
COMP	3370	Cloud Computing and Big Data Systems	3						3			3		
ISOM	3370	Big Data Technologies	3									3		
ECON	2103	Note: ECON 2103 OR ECON 2113	3									3		
ECON	2113	Principles of Microeconomics	3					3				3		
ECON	2113	Microeconomics	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	3540	Note: ISOM 3540 OR MATH 2421	3-4									3		
ISOM	2421	Introduction to Probability Models	3					3				3		
MATH	2421	Probability	4									4		
ISOM	3710	Business Modeling and Optimization	4						4			4		
ISOM	4520	Statistics for Financial Risk Management	4								4	4		
MATH	1013	Note: (MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1020)	4-6									6		
MATH	1014	Calculus I	3	3								3		
MATH	1014	Calculus II	3	3								3		
MATH	1020	Accelerated Calculus	4									4		
MATH	1023	Honors Calculus I	3									3		
MATH	1024	Honors Calculus II	3									3		
MATH	2011	Note: MATH 2011 OR MATH 2023	3-4									3		
MATH	2023	Introduction to Multivariable Calculus	3				3					3		
MATH	2023	Multivariable Calculus	4									4		
MATH	2111	Note: MATH 2111 OR MATH 2121	3-4									3		
MATH	2121	Matrix Algebra and Applications	3				3					3		
MATH	2121	Linear Algebra	4									4		
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	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 3 credits should be taken from a single 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		
Required credits for Major Required Courses and Electives 77 - 82														
Option Requirements														
<i>Financial Technology Option</i>														
IEDA/ISOM	4500*	Note: IEDA4500 OR ISOM 3350	3						3			3		
IEDA	3350	Engineering Foundations of FinTech	3									3		
ISOM	3350	FinTech and Cryptoventures	3									3		
RMBI/FINA/ISOM/C		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		
OMP/MATH			6									6		
Required credits for Financial Technology Option 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		
Sub-total for University Legal Education Requirements 0														
University Common Core														
CORE	C3 - C10	U CORE - Others	24	1	5	0	0	6	0	6	6	24		
CORE	C1 & C2	U CORE - English Language	6	3	3							6		
Sub-total for University CORE 30														
Term load (excl. free credits)														
7 11 18 18 18@ 16@ 14														
109 (w/o option) 118 (w/ option) #														

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.