

The Hong Kong University of Science and Technology
School of Business and Management
 An Example on Student's Pathway (as of 26 July 2024)

<< Declaration of major

School:		School of Business and Management		Student's Pathways (i.e. Study Pattern)										Remarks
Department:		Department of Information Systems, Business Statistics and Operations Management		Pathway 1										
Program:		BSc in Risk Management and Business Intelligence		Background: Admitted to RMBI in Year 1 Profile: 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		
Major Requirements														
Major Required Courses and Electives														
RMBI	2001	Academic and Professional Development in Risk Management and Business Intelligence	0	0	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		
ACCT	2010	Principles of Accounting I	3	3								3		
ECON	2103	Note: ECON 2103 OR ECON 2113	3									3		
ECON	2113	Principles of Microeconomics	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/COMP	3360	Note: ISOM 3360 OR COMP 4331	3									3		
ISOM	3360	Data Mining for Business Analytics	3					3				3		
COMP	4331	Data Mining	3									3		
ISOM/COMP	3370	Note: ISOM 3370 OR COMP 4651	3									3	The pre-requisite of ISOM 3370 can be waived if students have taken COMP 1021 /COMP 1022P/COMP 1022Q. Student who wish to take COMP 4651 should take COMP 2011 in Area 2.	
ISOM	3370	Big Data Technologies	3									3		
COMP	4651	Cloud Computing and Big Data Systems	3									3		
ISOM	3540	Introduction to Probability Models	3					3				3		
ISOM	3710	Business Modeling and Optimization	4						4			4		
ISOM	4520	Statistics for Financial Risk Management	4								4	4		
MGMT	2010	Business Ethics and the Individual	2		2							2		
MGMT	2130	Business Ethics and Social Responsibility	2			2						2		
COMP	1021	Note: COMP 1021 OR COMP 1022P	3									3		
COMP	1021	Introduction to Computer Science	3	3								3		
COMP	1022P	Introduction to Computing with Java	3									3		
MATH	1012	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-7											
MATH	1012	Calculus IA	4											
MATH	1013	Calculus IB	3											
MATH	1014	Calculus II	3	3	3							6		
MATH	1020	Accelerated Calculus	4											
MATH	1023	Honors Calculus I	3											
MATH	1024	Honors Calculus II	3											
MATH	2011	Introduction to Multivariable Calculus	3				3					3		
MATH	2111	Note: MATH 2111 OR MATH 2121	3-4											
MATH	2111	Matrix Algebra and Applications	3			3						3		
MATH	2121	Linear Algebra	4											
MATH	2411	Applied Statistics	4			4						4		
RMBI/FINA/ISOM/COMP/IEDA/MATH		Risk Management and Business Intelligence Electives (Courses from the specified electives list, of which at least 1 course should be taken from each area and at least 6 credits at 3000-level or above)	9					3			6	9	Student who wish to take COMP 4651 should take COMP 2011 in Area 2. Student who wish to take IEDA 4500 should take FINA 3203 in Area 1.	
Required credits for Major Required Courses and Electives			79-83									81		
Option Requirements														
<i>Financial Technology Option</i>														
ISOM/IEDA	3350	Note: ISOM 3350 OR IEDA 4500	3									3	Student who wish to take IEDA 4500 should take FINA 3203 in Area 1.	
ISOM	3350	FinTech and Cryptofutures	3							3		3		
IEDA	4500	Engineering Foundations of FinTech	3											
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 CORE														
CORE	C3 - C10	U CORE - Others	24	1	2	3	3	3	3	3	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 CORE			30									30		
Term load (excl. free credits)														
				16	13	15	18	12	16	16	14			
111 (w/o option) 120 (w/ option)#														

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Note:

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

>> 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 for updated graduation requirements. For up-to-date information on course offering and scheduling, students should check it out from respective School and Department.