The Hong Kong University of Science and Technology
School of Business and Management
An Example on Student's Pathway (For UG Students in 2022/23 intake or after)

School:		School of Business and Management		Student's Pathways (i.e. Study Pattern)										
Department:		Department of Information Systems, Business Statistics & 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		Remarks

Major Requirements
Major Required Courses and Electives

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Sub-total	Remarks
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		Note: ECON 2103 OR ECON 2113	3										
ECON	2103	Principles of Microeconomics	3	3								3	
ECON	2113	Microeconomics	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		Note: ISOM 3360 OR COMP 4331	3										
ISOM	3360	Data Mining for Business Analytics	3					3				3	
COMP	4331	Data Mining	3										
ISOM/COMP		Note: ISOM 3370 OR COMP 4651	3										
ISOM	3370	Big Data Technologies	3						3			3	
COMP	4651	Cloud Computing and Big Data Systems	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		Note: COMP 1021 OR COMP 1022P	3										
COMP	1021	Introduction to Computer Science	3	3								3	
COMP	1022P	Introduction to Computing with Java	3										
LABU	2051	Business Case Analyses I	2			2						2	
LABU	2052	Business Case Analyses II	2				2					2	
MATH		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	3	3							6	
MATH	1014	Calculus II	3										
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		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/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: BI. Student who wish to take IEDA 4500 should take FINA 3203 in Area 1: RM.
		Required credits for Major Required Courses and Electives	82-86									85	

Option Requirements
Financial Technology Option

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Sub-total	Remarks
ISOM/IEDA		Note: ISOM 3350 OR IEDA4500	3				3					3	Student who wish to take IEDA 4500 should take FINA 3203 in Area 1: RM.
RMBI/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	

DMCA Requirements
Major Required Courses and Electives

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Sub-total	Remarks
EMIA	2010B	Cross-disciplinary Seminar: Digital Media and Creative Arts	0			0						0	
EMIA	2020	Cross-disciplinary Design Thinking	3				3					3	
EMIA	2200	Introduction to Digital Media	3					3				3	
HUMA		Note: HUMA 1100 OR HUMA 1102 OR HUMA 1650 OR HUMA 1660	3										
HUMA	1100	Music of the World	3					3				3	
HUMA	1102	Enjoyment of Classical Music	3										
HUMA	1650	Appreciation of Western Art	3										
HUMA	1660	Introduction to Chinese Art	3										
EMIA		Note: EMIA 4990 OR EMIA 4991	0-3										RMBI students who have declared Extended Major in DMCA would be considered to enroll EMIA 4990 (0 credit).
EMIA	4990	Interdisciplinary Capstone Design	0										
EMIA	4991	Interdisciplinary Capstone Project	3										
RMBI	4980	**For RMBI students:** RMBI + DMCA will follow the capstone project arrangement for Extended Majors. RMBI program consists of RMBI4980 Risk Management and Business Intelligence Capstone Project I (4 credits) and RMBI4990 Risk Management and Business Intelligence Capstone Project II (4credits). RMBI students who have declared Extended Major in DMCA would be considered to enroll EMIA 4990 (0 credit).	(4)							(4)	(4)	0	
RMBI	4990		(4)										
DMCA		Note: Students taking EMIA 4990 should take a minimum of 12 credits; students taking EMIA 4991 should take a minimum of 9 credits. DMCA Electives	9-12					3	3	3	3	12	
		Required credits for DMCA Required Courses and Electives											

University CORE

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Sub-total	Remarks
CORE	C3 - C12	U CORE - Others	24	1	2	3	0	3	6	3	6	24	
CORE	C1 & C2	U CORE - English Language	6	3	3							6	
		Sub-total for University CORE	30	4	5	3	0	3	6	3	6	30	

				Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	
		Term load (excl. free credits)										
		w/option		16	13	17	17	15	16	16	14	
		w/ extended major		16	13	17	20	18	19	16	17	
		**115 (w/o option)	124 (w/ option)	136 (extended major)#**										

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/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.*

2022-23 RMBI (4Y) (2022-23 Intake)