

The Hong Kong University of Science and Technology  
**School of Business and Management**

An Example on Student's Pathway (as of 7 July 2025)

**RMBI**  
**via SBM**

<b>School:</b>	School of Business and Management		
<b>Department:</b>	Department of Information Systems, Business Statistics & Operations Management		
<b>Program:</b>	BSc in Risk Management and Business Intelligence		
Course Offering Dept (course code prefix)	Course Code	Course Title / Courses List	Credits

## **Major Requirements**

### Major Required Courses and Electives

ACCT	2010	Principles of Accounting I	3
COMP		Note: COMP 1021 OR COMP 1022P	3
COMP	1021	Introduction to Computer Science	3
COMP	1022P	Introduction to Computing with Java	3
COMP/ISOM		Note: COMP 4331 OR ISOM 3360	3
COMP	4331	Data Mining	3
ISOM	3360	Data Mining for Business Analytics	3
COMP/ISOM * ~		Note: COMP 4651 OR ISOM 3370	3
COMP	4651	Cloud Computing and Big Data Systems	3
ISOM	3370	Big Data Technologies	3
ECON		Note: ECON 2103 OR ECON 2113	3
ECON	2103	Principles of Microeconomics	3
ECON	2113	Microeconomics	3
ECON	2123	Macroeconomics	3
FINA	2303	Financial Management	3
ISOM	2010	Introduction to Information Systems	3
ISOM	2700	Operations Management	3
ISOM/MATH		Note: ISOM 3540 OR MATH 2421	3-4
ISOM	3540	Introduction to Probability Models	3
MATH	2421	Probability	4
ISOM	3710	Business Modeling and Optimization	4
ISOM	4520	Statistics for Financial Risk Management	4
MATH		Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-7
MATH	1012	Calculus I A	4
MATH	1013	Calculus I	3
MATH	1014	Calculus II	3
MATH	1020	Accelerated Calculus	4
MATH	1023	Honors Calculus I	3
MATH	1024	Honors Calculus II	3
MATH		Note: MATH 2011 OR MATH 2023	3-4
MATH	2011	Introduction to Multivariable Calculus	3
MATH	2023	Multivariable Calculus	4
MATH		Note: MATH 2111 OR MATH 2121	3-4
MATH	2111	Matrix Algebra and Applications	3
MATH	2121	Linear Algebra	4
MATH	2411	Applied Statistics	4
MGMT	2010	Business Ethics and the Individual	2
MGMT	2130	Business Ethics and Social Responsibility	2
RMBI	2001	Academic and Professional Development in Risk Management and Business Intelligence	0
RMBI	3110	Introduction to Risk Management and Business Intelligence	3
RMBI	4310	Advanced Data Mining for Risk Management and Business Intelligence	3
RMBI	4980	Risk Management and Business Intelligence Capstone Project I	4
RMBI	4990	Risk Management and Business Intelligence Capstone Project II	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

**Required credits for Major Required Courses and Electives** 79 - 85

Option Requirements		
Financial Technology Option		
IEDA/ISOM		Note: IEDA4500 OR ISOM 3350
IEDA	4500 <sup>a</sup>	Engineering Foundations of FinTech
ISOM	3350	FinTech and Cryptoventures
RBMI/FINA/ISOM/C OMP/MATH		Financial Technology Electives (Courses from the specified elective list. Courses taken as Major Electives may not be counted toward this requirement)
<b>Required credits for Financial Technology Option</b>		9

University CORE

<b>UNIVERSITY CORE</b>			
CORE	C3 - C10	U CORE - Others	24
CORE	C1 & C2	U CORE - English Language	6
<b>Sub-total for University CORE</b>			30

## **Required credits for Financial Technology Option**

Major Declaration						
Student's Pathways (i.e. Study Pattern)						
Pathway 2						
Background: Admitted to RMBI in Year 2						
Profile: Normative. Students to graduate in BSc RMBI with Financial Technology Option						
Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall
3						3
		3				3
				3		3
					3	3
3						3
			3			3
3						3
3		3				3
				3		3
					4	4
						4
3			3			6
			3			3
			3			3
				4		4
2						2
2						2
0	0	0	0	0	0	0
		3				3
				3		3
					4	4
						4
		3		3	3	9

## Option Requirements

Financial Technology Option			
IEDA/ISOM		Note: IEDA4500 OR ISOM 3350	3
IEDA	4500 <sup>A</sup>	Engineering Foundations of FinTech	3
ISOM	3350	FinTech and Cryptoventures	3
RMBI/FINA/ISOM/C OMP/MATH		Financial Technology Electives (Courses from the specified elective list. Courses taken as Major Electives may not be counted toward this requirement)	6
<b>Required credits for Financial Technology Option</b>			9

University CORE

<b>UNIVERSITY CORE</b>	<b>C3 - C10</b>	<b>U CORE - Others</b>	<b>24</b>
<b>CORE</b>	<b>C1 &amp; C2</b>	<b>U CORE - English Language</b>	<b>6</b>
<b>Sub-total for University CORE</b>			<b>30</b>

## **Required credits for Financial Technology Option**

Notes

[1] denotes the course is also offered in other terms, as indicated, and students may take the course in one of these terms subject to advice by the programme office.

# To graduate, students should complete at least 120 credits in approved courses. They may need to take additional courses to meet this requirement.

\* The pre-requisite of ISOM 3370 can be waived if students have taken COMP 3303.

~ Student who wish to take COMP465

<sup>^</sup> Student who wish to take IEDA4500 should

**@ 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 offerings and academic requirements, students should check it out from respective School and Department.**