(For students admitted in 2012-13 under the 3-year degree)

Curriculum for BSc in Risk Management and Business Intelligence

General Requirements

Students are required to complete the following general requirements for graduation in addition to program specific requirements:

Required Courses in English Communication
Common Core Requirements
Required Course in Physical Education

For details please refer to the section "General Requirements" on this website.

Program Specific Requirements

				Credit(s)
Required courses				
		RMBI 3110	Introduction to Risk Management and Business Intelligence	3
		RMBI 4110	Financial Service Operations Management	3
		RMBI 4210	Quantitative Methods for Risk Management	3
		RMBI 4980	Risk Management and Business Intelligence Capstone Project I	3
		RMBI 4990	Risk Management and Business Intelligence Capstone Project II	3
		ACCT 2010	Principles of Accounting I	3
		COMP 1004**	Programming Fundamentals and Methodology	4
		COMP 4331	Data Mining	3
	or	ISOM 3360	Business Intelligence and Data Mining	3
		ECON 2123	Macroeconomics	3
		FINA 2203	Fundamentals of Business Finance	3
		FINA 3104	Investment Analysis and Portfolio Management	4
		ISOM 2700	Operations Management	3
		ISOM 3540	Introduction to Probability Models	3
(1)		LANG 1112	Chinese Business Communication I	3
		MATH 2011	Introduction to Multivariable Calculus	3
		MATH 2111	Matrix Algebra and Applications	3
		MATH 2411	Applied Statistics	4
Business Intelligence Concentration:				
		RMBI 4310	Advanced Data Mining for Risk Management and Business Intelligence	3
		COMP 2012	Object-Oriented Programming and Data Structures	4
	or	COMP 2012H	OOP and Data Structures (Honors Study Track)**	4**
		COMP 3311	Database Management Systems	3

	COMP 3711	Design and Analysis of Algorithms	3
or	COMP 3711H	Honors Design and Analysis of Algorithms	4

Risk Management Concentration:

ISOM 3710	Management Science	4
ISOM 4520	Statistics for Financial Risk Management	4
ISOM 4540	Time Series Analysis and Forecasting	4
MATH 4512	Fundamentals of Mathematical Finance	3

Elective courses

	Elective types		Minimum no. of courses	Minimum total credits
(2)	FREE	Free Elective		
		For Business Intelligence Concentration	6	20
		For Risk Management Concentration	5	18

***Remarks on course(s):*

-	COMP 1004:	The course was last offered in 2012-13 and was deleted subsequently.
-	COMP 2012H:	The course title will be changed to "Honors Object-Oriented Programming and Data Structures" starting from Fall, 2014-15.
-	COMP 2012H:	The credit value will be changed to 5 starting from Fall, 2014-15.

Notes:

(1) Students cannot replace this course by LANG 1110 (prior to 2012-13)/1111 (prior to 2011-12) for graduation purposes. Students recruited from Mainland China will replace this course by a free elective. For international students who are assessed as having inadequate Chinese background to take LANG 1112, they will replace this course by LANG 1120.

(2) Students should seek program advice as to the choice of electives. The following courses are recommended electives:
COMP 2021, COMP 3021, COMP 3111, COMP 3111H, COMP 3211, ISOM 3710, ISOM 4550, ISOM 4650, ISOM 4740, MATH 3424, MATH 4424, and MATH 4511

A minimum of 104 credits is required for the BSc program in Risk Management and Business Intelligence.