(For students admitted in 2012-13 under the 4-year degree)

BSc in Risk Management and Business Intelligence

In addition to the requirements of their major programs, students are required to complete the University requirements for graduation. For details please refer to the respective section on this website.

Some courses can be used to fulfill both Major and University Common Core Requirements. Students may reuse a maximum of 6 credits of these courses to count towards both Requirements.

Major Requirements

Fundamental Course(s)

			Credit(s)
COMP		Note: COMP 1021 OR COMP 1022P OR COMP 1022Q	3
COMP	1021	Introduction to Computer Science	3
COMP	1022P	Introduction to Computing with Java	3
COMP	1022Q	Introduction to Computing with Excel VBA	3
ISOM	2010	Introduction to Information Systems	3
LABU	2051	Business Case Analyses I	2
LABU	2052	Business Case Analyses II	2
MATH		Note: (MATH 1013 AND MATH 1014) OR (MATH 1020) OR (MATH 1023 AND MATH 1024)	4-6
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

Required Course(s)

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/ISOM		Note: COMP 4331 OR ISOM 3360	3
COMP	4331	Data Mining	3
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
MATH	2011	Introduction to Multivariable Calculus	3
MATH	2111	Matrix Algebra and Applications	3
MATH	2411	Applied Statistics	4

Student may opt to graduate with or without an option. Students who take an option MUST complete all requirements specified in addition to the major requirements.

Option(s)

Business Intelligence Option

Required Course(s)

RMBI	4310	Advanced Data Mining for Risk Management and Business Intelligence	3
COMP	2011	Introduction to Object-oriented Programming	4
COMP	2012	Object-Oriented Programming and Data Structures	4
COMP	3311	Database Management Systems	3
COMP	3711	Design and Analysis of Algorithms	3

Risk Management Option

Required Course(s)

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

***Remarks on course(s):*

- RMBI 4980: The credit value will be changed to 4 starting from Fall, 2015-16.
- RMBI 4990: The credit value will be changed to 4 starting from Fall, 2015-16.