(For students admitted in 2017-18 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.

Students may use no more than 6 credits earned from courses offered in pure online delivery mode to satisfy the graduation requirements of a degree program. This 6-credit limit does not apply to credits obtained through the credit transfer procedures of the University.

For students graduating with an additional major, they must take all the requirements specified for that major, within which they must complete at least 20 single-counted credits. These 20 credits cannot be used to fulfill any other requirements for graduation except for the 120-credit degree requirement.

Major Requirements

Fundamental Course(s)

			Credit(s) attained
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 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
MATH	1020	Accelerated Calculus	4
MATH	1023	Honors Calculus I	3
MATH	1024	Honors Calculus II	3

Required Course(s)

			Credit(s) attained
RMBI	2001	Academic and Professional Development in Risk Management and Business Intelligence	0
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	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
ACCT	2010	Principles of Accounting I	3
COMP/ISOM		Note: COMP 4331 OR ISOM 3360 (Students in the Business Intelligence Option should take COMP 4331)	3
COMP	4331	Data Mining	3
ISOM	3360	Data Mining for Business Analytics	3
ECON	2123	Macroeconomics	3
FINA	2203	Fundamentals of Business Finance	3
FINA	3103	Intermediate Investments	3
ISOM	2700	Operations Management	3
ISOM	3540	Introduction to Probability Models	3
ISOM	3710	Business Modeling and Optimization	4
MATH	2011	Introduction to Multivariable Calculus	3
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

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)

			Credit(s) attained
COMP	2011	Programming with C++	4
COMP	3311	Database Management Systems	3

Elective Course(s)

			Minimum credit(s) required
COMP		Business Intelligence Electives (1 course from the specified elective list)	3
COMP	2012	Object-Oriented Programming and Data Structures	4
COMP	4021	Internet Computing	3
COMP	4321	Search Engines for Web and Enterprise Data	3
COMP	4462	Data Visualization	3

Risk Management Option

Elective Course(s)			**Minimum credit(s) required**
RMBI/FINA/ ISOM/MATH		Risk Management Electives (3 courses from the specified elective list)	9
RMBI	4220	Life Contingencies Models and Insurance Risk	3
FINA	3203	Derivative Securities	3
ISOM	4520	Statistics for Financial Risk Management	4
ISOM	4540	Time Series Analysis and Forecasting	4
MATH	4511	Quantitative Methods for Fixed Income Derivatives	3
MATH	4512	Fundamentals of Mathematical Finance	3