Suggested / Example Structure of BSc (Major in Risk Management) Curriculum

Year	One		Two		Three		Four	
Semester	One	Two	One	Two	One	Two	One	Two
Disciplinary Core	**MATH1013** University Mathematics II **STAT1600** Statistics: Ideas and Concepts	**MATH2014** Multivariable Calculus and Linear Algebra	**STAT2601** Probability and Statistics I	**STAT2602** Probability and Statistics II **STAT3615** Practical Mathematics for Investment	**STAT3600** Linear Statistical Analysis **STAT3609** The Statistics of Investment Risk			
Disciplinary Elective					At least 30 credits (5 courses) selected from the following courses: **STAT3603** Stochastic Processes **STAT3610** Risk Management and Insurance **STAT3612** Statistical Machine Learning **STAT3618** Derivatives and Risk Management **STAT3655** Survival analysis **STAT3911** Financial Economics II **STAT4601** Time-series analysis **STAT4603** Current Topics in Risk Management **STAT4606** Risk Management and Basel Accords in Banking and Finance **STAT4607** Credit Risk Analysis **STAT4608** Market Risk Analysis **STAT4610** Bayesian learning			
Capstone					At least 6 credits selected from the following courses: **STAT3799** Directed Studies in Statistics (6 credits) **STAT4710** Capstone Experience for Statistics Undergraduates (6 credits) **STAT4766** Statistics Internship (6 credits) **STAT4799** Statistics Project (12 credits)			
Science Foundation Courses	**SCNC1111** Scientific Method and Reasoning	**SCNC1112** Fundamentals of Modern Science						
Common Core	Six common core courses within the first three years							
Language	**CAES1000** Core University English (offered in both semesters)		**CAES9820** Academic English for Science Students or **CAES9821** Professional & Technical Communication for Mathematical Sciences (for 2022-23 cohort and before) / Statistical Sciences (for 2023-24 cohort and thereafter) (offered in both semesters)		**CSCI9001** Practical Chinese for Science Students (offered in both semesters)			

Note 1: If there are any courses (offered by SAAS or not) mutually exclusive to any Core courses, students must take the course stated in the curriculum to fulfil the degree requirement of the First Major. Course replacement should only be applied for the other Major(s) or Minor(s).

Note 2: This table is for students' reference only for planning their studies ahead. Course offering semester and availability are subject to changes. Some courses are offered in both semesters.

Note 3: Please read the Faculty of Science's Student Handbook and Syllabuses & Regulations for more details.