Department of Mathematics

Sample Study Plan for Major in Quantitative Finance with Second Major in Mathematics
(For students matriculated in AY2021/2022 or after)

NUS National University of Singapore
College of Humanities and Sciences

Year 1		Year 2		Year 3		Year 4	
Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2	Sem 1	Sem 2
HSA1000 Asian Interconnections HSH1000 The Human Condition HSI1000 How Science Works, Why Science Works HSS1000 Understanding Social Complexity		Scientific Inquiry II	Artificial Intelligence	MA32xx	Interdisciplinary I	Interdisciplinary II	Communities and Engagement
		Digital Literacy (CS1010S)	MA2213 Numerical Analysis I	MA32xx	MA32xx	QF4102 Financial Modelling and Computation	QF4104 Project in Quantitative Finance and Fintech
Data Literacy DTK1234 Design Thinking		Writing (SP1541)	MA2101 Linear Algebra II	UE1	QF3103 Advanced Mathematics in Quantitative Finance	One of the following modules: QF4205, DSE4211, DSE4212	UE4
MA1100/MA1100T Basic Discrete Mathematics	MA2001 Linear Algebra I*	MA2104 Multivariable Calculus*	MA2108 Mathematical Analysis I	UE2	QF2103 Computing for Quantitative Finance	QF4103 Mathematical Models of Financial Derivatives	UE5
QF1100 Introduction to Quantitative Finance	MA2002 Calculus*	MA2116/ST2131 Probability*	QF2104 Fundamentals of Quantitative Finance	UE3	QF3101 Investment Instrument and Risk Management	ST3131 Regression Analysis	UE6

* Double-counted between Major and Second Major

Note: 1. Recommended semester for SEP is year 3 semester 1.

2. To find out how HSA1000, HSH1000, HSI1000, HSS1000 are pre-allocated, click here.

3. Students have to complete all CHS Common Curriculum courses in their first two years except for the following 3 courses:
- Communities and Engagement course – can be taken from Years 2 to 4
- Two Interdisciplinary courses – can be taken in Years 3 and 4

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