Department of Mathematics

Sample Study Plan for Major in Quantitative Finance with Minor in Mathematics

(For students matriculated in AY2021/2022 or after)

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	UE2	Interdisciplinary I	UE7	Interdisciplinary II
		Digital Literacy (CS1010S)	MA2101 Linear Algebra II	UE3	MA32xx	QF4102 Financial Modelling and Computation	Communities and Engagement
Data Literacy DTK1234 Design Thinking		Writing (SP1541)	MA2108 Mathematical Analysis I	UE4	QF3103 Advanced Mathematics in Quantitative Finance	One of the following courses: QF4205, DSE4211, DSE4212	QF4204 Project in Quantitative Finance and Fintech
MA2002 Calculus*	MA2001 Linear Algebra I*	UE1	MA2213 Numerical Analysis I	UE5	QF2103 Computing for Quantitative Finance	QF4103 Mathematical Models of Financial Derivatives	UE8
QF1100 Introduction to Quantitative Finance	MA2104 Multivariable Calculus	MA2116/ST2131 Probability	QF2104 Fundamentals of Quantitative Finance	UE6	QF3101 Investment Instruments and Risk Management	ST3131 Regression Analysis	UE9

* Double-counted between Major and Minor

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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