

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

(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	Communities and Engagement	Interdisciplinary I	Interdisciplinary II	UE3
		Digital Literacy (CS1010S)	MA2108/MA2108S Mathematical Analysis I	MA22xx	MA32xx	MA42xx in Specialisation List	MA42xx in Specialisation List
		Writing (SP1541)	MA2116/ST2131 Probability	MA32xx	MA32xx	MA42xx in Specialisation List	MA42xx in Specialisation List
Data Literacy DTK1234 Design Thinking							
MA1100/MA1100T Basic Discrete Mathematics	* MA2001 Linear Algebra I	MA2101/MA2101S Linear Algebra II	MA22xx	MA32xx	MA32xx	MA4198 Mathematics Capstone Project	MA42xx in Specialisation List
QF1100 Introduction to Quantitative Finance	MA2002 Calculus	MA2104 Multivariable Calculus	UE1	QF2104 Fundamentals of Quantitative Finance	QF3101 Investment Instruments and Risk Management	UE2	QF3103 Advanced Mathematics in Quantitative Finance

* Double-counted between Major and Minor

- Note:
- To find out how HSA1000, HSH1000, HSI1000, HSS1000 are pre-allocated, click [here](#).
 - 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