

Sample Study Plan for Major in Mathematics with 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		Scientific Inquiry II	Artificial Intelligence	Communities and Engagement	Interdisciplinary I	Interdisciplinary II	UE5
HSH1000 The Human Condition							
HSI1000 How Science Works, Why Science Works		Digital Literacy (CS1010S)	MA2104 Multivariable Calculus	MA2101/MA2101S Linear Algebra II	MA32xx	MA32xx	UE6
HSS1000 Understanding Social Complexity							
Data Literacy		Writing (SP1541)	MA2108/MA2108S Mathematical Analysis I	MA22xx	MA32xx	MA32xx	UE7
DTK1234 Design Thinking							
MA1100/MA1100T Basic Discrete Mathematics	MA2002 Calculus	* MA2001 Linear Algebra I	MA2116/ST2131 Probability	MA22xx	MA32xx	MA4198 Mathematics Capstone Project	UE8
QF1100 Introduction to Quantitative Finance	UE1	UE2	UE3	QF2104 Fundamentals of Quantitative Finance	QF3101 Investment Instruments and Risk Management	UE4	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