

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		Scientific Inquiry II	Artificial Intelligence	UE2	Interdisciplinary I	UE7	Interdisciplinary II
HSH1000 The Human Condition							
HSI1000 How Science Works, Why Science Works			Digital Literacy (CS1010S)	MA2101 Linear Algebra II	UE3	MA32xx	QF4102 Financial Modelling and Computation
HSS1000 Understanding Social Complexity							
Data Literacy		Writing (SP1541)	MA2108 Mathematical Analysis I	UE4	QF3103 Advanced Mathematics in Quantitative Finance	One of the following modules: QF4205, DSE4211, DSE4212	QF4104 Project in Quantitative Finance and Fintech
DTK1234 Design Thinking							
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 Instrument 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