Department of Mathematics

Sample Study Plan for Major 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
	Pair 1: Integrated Module in Social Sciences Pair 2: Integrated Module in Humanities	Pair 1: Integrated Module in Humanities Pair 2: Integrated Module in Social Sciences	Scientific Inquiry II	Artificial Intelligence	Communities and Engagement	Interdisciplinary I	Interdisciplinary II	QF4104 Project in Quantitative Finance and Fintech
	Pair 1: Scientific Inquiry I Pair 2: Integrated Module in Asian Studies	Pair 1: Integrated Module in Asian Studies Pair 2: Scientific Inquiry I	Digital Literacy (CS1010S)	MA2104 Multivariable Calculus	QF2104 Fundamentals of Quantitative Finance	QF2103 Computing for Quantitative Finance	QF4102 Financial Modelling and Computation	UE9
	Pair A: Data Literacy Pair B: Design Thinking	Pair A: Design Thinking Pair B: Data Literacy	MA2002 Calculus	MA2213 Numerical Analysis I	ST3131 Regression Analysis	QF3101 Investment Instruments and Risk Management	QF4103 Mathematical Models of Financial Derivatives	UE10
	QF1100 Introduction to Quantitative Finance	Writing (SP1541)	UE2	MA2116/ST2131 Probability	UE5	QF3103 Advanced Mathematics in Quantitative Finance	One of the following modules: • QF5210 Financial Time Series: Theory and Computation • QF4211/DSE4211 Digital Currencies • QF4212/DSE4212 Data Science in FinTech	UE11
	UE1	MA2001 Linear Algebra I	UE3	UE4	UE6	UE7	UE8	UE12

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

Published 26 February 2021
Updated 30 March 2021, 6 May 2021, 5 August 2021, 23 November 2021