

## 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	QF4204 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: <ul style="list-style-type: none"> <li>QF4205 Financial Time Series: Theory and Computation</li> <li>QF4211/DSE4211 Digital Currencies</li> <li>QF4212/DSE4212 Data Science in FinTech</li> </ul>	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

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