

Sample Study Plan for Major in Quantitative Finance with Minor in Statistics

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	UE7
Writing (SP1541)	Design Thinking	MA2002 Calculus*	MA2213 Numerical Analysis I	ST3131 Regression Analysis	QF3101 Investment Instruments and Risk Management	QF4103 Mathematical Models of Financial Derivatives	UE8
QF1100 Introduction to Quantitative Finance	MA2001 Linear Algebra I	UE2	MA2116/ST2131 Probability*	ST2132 Mathematical Statistics	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	UE9
ST1131 Introduction to Statistics and Statistical Computing^	UE1	UE3	UE4	UE5	ST3XXX (except ST3131)	UE6	UE10

* Double-counted between the Major and the Minor | ^ Satisfies the Data Literacy requirement

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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