

Sample Study Plan for Major in Quantitative Finance with Minor in Data Analytics

(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	QF4204 Project in Quantitative Finance and Fintech
HS11000 The Human Condition							
HSI1000 How Science Works, Why Science Works		Digital Literacy (CS1010S)	MA2213 Numerical Analysis I	UE4	UE6	QF4102 Financial Modelling and Computation	UE7
HSS1000 Understanding Social Complexity							
DSA1101 Introduction to Data Science^	DTK1234 Design Thinking	Writing (SP1541)	UE2	UE5	QF3103 Advanced Mathematics in Quantitative Finance	One of the following courses: QF4205, DSE4211, DSE4212	UE8
UE1	MA2001 Linear Algebra I*	MA2104 Multivariable Calculus	UE3	ST3131 Regression Analysis	QF2103 Computing for Quantitative Finance	QF4103 Mathematical Models of Financial Derivatives	UE9
QF1100 Introduction to Quantitative Finance	MA2002 Calculus	MA2116/ST2131 Probability	QF2104 Fundamentals of Quantitative Finance	DSA3361 Inferential Data Analytics	QF3101 Investment Instruments and Risk Management	DSA2101 Essential Data Analytics Tools: Data Visualisation	DSA3362 Predictive Data Analytics

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

- 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

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