

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	QF4104 Project in Quantitative Finance and Fintech	
HSH1000 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 modules: 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 Instrument 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