Department of Mathematics

Sample Study Plan for Major in Mathematics with Specialisation and Minor in Data Analytics

(For students matriculated in AY2021/2022 or after)

College of Humanities and Sciences

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 HSH1000 The Human Condition HSI1000 How Science Works, Why Science Works HSS1000 Understanding Social Complexity		Scientific Inquiry II	Artificial Intelligence	Communities and Engagement	Interdisciplinary I	Interdisciplinary II	UE3
		Digital Literacy (CS1010S)	MA2108/MA2108S Mathematical Analysis I	MA22xx	MA32xx	MA42xx in Specialisation List	MA42xx in Specialisation List
^ Data Literacy DTK1234 Design Thinking		Writing (SP1541)	MA2116/ST2131 Probability	MA32xx	MA32xx	MA42xx in Specialisation List	MA42xx in Specialisation List
MA1100/MA1100T Basic Discrete Mathematics	* MA2001 Linear Algebra I	MA2101/MA2101S Linear Algebra II	MA22xx	MA32xx	MA32xx	MA4198 Mathematics Capstone Project	MA42xx in Specialisation List
UE1	MA2002 Calculus	MA2104 Multivariable Calculus	UE2	DSA3361 Inferential Data Analytics	DSA3362 Predictive Data Analytics	DSA2101 Essential Data Analytics Tools: Data Visualisation	UE4

* Double-counted between Major and Minor | ^ Count towards Minor requirements

Note: 1. To find out how HSA1000, HSH1000, HSI1000, HSS1000 are pre-allocated, click here.

2. 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