THE UNIVERSITY OF HONG KONG DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE

Suggested / Example Structure of BSc (Major in Decision Analytics) Curriculum (for students admitted to Year 1 in 2022 and thereafter)

One		Two		Three		Four	
One	Two	One	Two	One	Two	One	Two
COMP1117	MATH2014	STAT2602	COMP2119	MATH3904	COMP3278		STAT4609
							Big Data
Programming		Statistics II		Optimization			Analytics
MATH1013	Linear Algebra		and Algorithms	STAT3612	<u> </u>		
	STAT2601		STAT3600		Systems		
	Statistics I		Analysis				
		COMP2113				Capstone (at leas	t 6 credits)
		Programming				STAT3799 Direc	ted Studies in Statistics
		Technologies				STAT4710 Caps	tone Experience for
							stics Undergraduates
		COMP2119)					
							stics Project
Elective				COMP3252 ⁴	Algorithm Design and Analysis		
				COMP3270		Artificial Intelligence	
				STAT3620	Modern Nonparan	netric Statistics	
				STAT3621			
				STAT4011		Processing	
				STAT4023	Medical Image An	alysis	
SCNC1111	SCNC1112						
Scientific Method	Fundamentals of						
and Reasoning	Modern Science						
(offered in both semesters)		or CAES9821		(offered in both semesters)			
i e	ļ		Professional & Technical Communication				
		f M . /1 / 10	-: (f 2022 22				
		for Mathematical S					
		cohort) / Statistical S	ciences (for 2022-23 Sciences (for 2023-24 I thereafter)				
	One COMP1117 Computer Programming MATH1013 University Mathematics II SCNC1111 Scientific Method and Reasoning CAE Core Unive	One COMP1117 Computer Programming MATH1013 University Mathematics II SCNC1111 Scientific Method and Reasoning COMP1117 Computer Programming Multivariable Calculus and Linear Algebra STAT2601 Probability and Statistics I SCNC1112 Fundamentals of Modern Science Six CAES1000 Core University English	One COMP1117 Computer Programming MATH1013 University Mathematics II SCNC1111 Scientific Method and Reasoning Mares of CAES1000 Computer Programming MATH1013 University Mathematics II SCNC1112 Scientific Method and Reasoning CAES1000 Core University English MATH2014 STAT2602 Probability and Statistics II COMP2113 Programming Technologies (Pre-requisite of COMP2119) COMP2113 Programming Technologies (Pre-requisite of COMP2119) COMP2119 COMP2113 Programming Technologies (Pre-requisite of COMP2119) COMP2113 Programming Technologies (Pre-requisite of COMP2119)	One Two One Two COMP1117 Computer Programming Linear Algebra Linear Algebra STAT2601 Mathematics II Probability and Statistics II Data Structures and Algorithms STAT2601 Probability and Statistics II Data Structures and Algorithms STAT3600 Linear Statistical Analysis COMP2113 Programming Technologies (Pre-requisite of COMP2119) SCNC1111 Scientific Method and Reasoning Modern Science Six common core courses within the first three CAES1000 Core University English COMP2119 Analysis	One Two One COMP1117 MATH2014 STAT2602 COMP2119 Introduction to Data Structures and Algorithms STAT3612 STAT3612 Statistics I STAT3600 Linear Statistical Analysis COMP2113	One	COMPUTED Two One Two One Two One One

Note 1: If there are any courses (offered by SAAS or not) mutually exclusive to any Core courses, students must take the course stated in the curriculum to fulfil the degree requirement of the First Major. Course replacement should only be applied for the other Major(s) or Minor(s).

Note 2: This table is for students' reference only for planning their studies ahead. Course offering semester and availability are subject to changes. Some courses are offered in both semesters.

Note 3: Please read the Faculty of Science's Student Handbook and Syllabuses & Regulations for more details.

Note 4: It is recommended that students opt for COMP3251 Algorithm design instead of COMP3252 Algorithm design and analysis when selecting elective courses between COMP3251 and COMP3252.