

School:		School of Engineering and School of Business Management		<< Selection of BEng major														<< Declaration of BEng major														<< Selection of BBA major														Student's Pathway													
Program:		Dual Degree Program (BEng in Computer Science and BBA in Marketing)																																																									
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List		Credits		Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Year 5 Fall	Year 5 Spring	Sub-total	Remarks																																										
BEng in Computer Science																																																											
Engineering Fundamental Courses																																																											
COMP	1023	Introduction to Python Programming		3	3											3	Students should take COMP1023 which will also be used to substitute ISOM 2010 and to waive ISOM 2020																																										
MATH	1013	Note: [MATH 1013 OR MATH 1023] AND [MATH 1014 OR MATH 1024] OR [MATH 1020]		6-7												6	DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees																																										
MATH	1014	Calculus I		3	3	3																																																					
MATH	1020	Accelerated Calculus		4																																																							
MATH	1023	Honors Calculus I		3																																																							
MATH	1024	Honors Calculus II		3																																																							
MATH	2111	Note: MATH 2111 OR MATH 2121 OR MATH 2131		3-4												3																																											
MATH	2121	Matrix Algebra and Applications		3			3																																																				
MATH	2131	Linear Algebra		4																																																							
MATH	2131	Honors in Linear and Abstract Algebra I		4																																																							
Required Credits for Engineering Fundamental Courses					6	3	3	0	0	0	0	0	0	0	0	12																																											
Major Required Courses and Electives																																																											
COMP	2011	Note: [COMP 2011 AND COMP 2012] OR COMP 2012H		5-8				4	4							8	Students should take MATH 2411 which will also be used to substitute ISOM 2500																																										
COMP	2012	Programming with C++		4																																																							
COMP	2012H	Object-Oriented Programming and Data Structures		4																																																							
COMP	2012H	Honors Object-Oriented Programming and Data Structures		5																																																							
COMP	2811	Computer Organization		4				4								4																																											
COMP	2711	Note: COMP2711 OR COMP2711H		4												4																																											
COMP	2711H	Discrete Mathematical Tools for Computer Science		4			4																																																				
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science		4																																																							
COMP	3111	Note: COMP3111 OR COMP3111H		4						4						4																																											
COMP	3111H	Software Engineering		4																																																							
COMP	3511	Honors Software Engineering		4																																																							
COMP	3511	Operating Systems		3					3							3																																											
COMP	3711	Note: COMP3711 OR COMP3711H		3-4												3																																											
COMP	3711H	Design and Analysis of Algorithms		3					3																																																		
COMP	4900	Honors Design and Analysis of Algorithms		4																																																							
COMP	4900	Note: Students are required to take COMP4900 for every regular term in which they are in residency at HKUST with major in COMP Academic and Professional Development		0	0	0	0	0	0	0	0	0	0	0	0	0																																											
COMP	1991	Note: [COMP 1991 AND [COMP 4981 OR COMP 4981H] OR [COMP 4910]		6												6																																											
COMP	4910	Industrial Experience		0								0			3																																												
COMP	4981	Co-op Program		6											3																																												
COMP	4981H	Final Year Project		6																																																							
ELECIEDAMATH		Final Year Thesis		6																																																							
ELEC	2600	Note: ELEC 2600 OR ELEC 2600H OR IEA 2620 OR IEA 2640 OR MATH 2411 OR MATH 2421 OR MATH 2431		3-4												4																																											
ELEC	2600H	Probability and Random Processes in Engineering		4																																																							
IEA	2620	Honors Probability and Random Processes in Engineering		4																																																							
IEA	2640	Probability for Engineers		3				4																																																			
MATH	2411	Statistics for Engineers		3																																																							
MATH	2421	Applied Statistics		4																																																							
MATH	2431	Probability		4																																																							
MATH	2431	Honors Probability		4																																																							
COMP		COMP 2000-level or above Elective (Any course(s) of the subject and level as specified)		3						3						3																																											
COMP		COMP Electives (5 courses from the specified elective list, of which at least 3 courses should be taken from 1 area and at least 2 courses outside that area (including course(s) in the Courses Without Associated Area). Students may use at most one course under Deep Learning Applications (COMP 4471 and COMP 5223) to count towards this elective requirement.)		15								3	3	3	3	3	15																																										
COMP												3	3	3	3	3	15																																										
BEng in Computer Science Major Requirements				60-66	0	0	8	12	13	3	3	3	3	6	6	64																																											
BBA in Marketing																																																											
School Requirements																																																											
ACCT	2010	Principles of Accounting I		3				3								3	COMP 1023 is more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 instead of ISOM 2010. ISOM 2020 is waived for DDP students who have taken and passed COMP 1023. The COMP course is similar or more advanced coding (Python) courses as ISOM 2020. Substituted by MATH 2411																																										
ACCT	2200	Principles of Accounting II		3							3					3																																											
ECON	2103	Note: ECON 2103 OR ECON 2113		3												3																																											
ECON	2113	Principles of Microeconomics		3				3																																																			
ECON	2123	Note: ECON 2123 OR ECON 3123		3												3																																											
ECON	3123	Macroeconomics		3						3																																																	
FINA	2303	Macroeconomic Theory I		3																																																							
FINA	2303	Financial Management		3					3							3																																											
ISOM	2010	Introduction to Information Systems		3	-	-	-	-	-	-	-	-	-	-	-	0																																											
ISOM	2020	Coding for Business		1	-	-	-	-	-	-	-	-	-	-	-	0																																											
ISOM	2020	Business Statistics		3	-	-	-	-	-	-	-	-	-	-	-	0																																											
ISOM	2600	Introduction to Business Analytics		1							1					1																																											
ISOM	2700	Operations Management		3								3				3																																											
MARK	2120	Marketing Management		3	3											3																																											
MARK	2010	Business Ethics and the Individual		2									2			2																																											
MGMT	2110	Organizational Behavior		3				3								3																																											
MGMT	2130	Business Ethics and Social Responsibility		2											2	2																																											
MATH		Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023		3-4												0																																											
MATH	1003	Calculus and Linear Algebra		3		(3)																																																					
MATH	1013	Calculus I		3																																																							
MATH	1020	Accelerated Calculus		4																																																							
MATH	1023	Honors Calculus I		3																																																							
Required Credits for School Requirements				38-40	3	3	3	6	3	4	3	2	0	2	29																																												
Major Required Courses and Electives																																																											
MARK	3220	Marketing Research		4						4						4	DDP students should take MATH 1013 and MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees																																										
MARK	3420	Consumer Behavior		4							4					4																																											
MARK	4210	Strategic Marketing		4								4			4	4																																											
MARK		MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified)		12									4	4	4	12																																											
Required Credits for Major Required Courses and Electives				24	0	0	0	0	0	4	4	4	4	4	4	24																																											
Additional Requirements for Dual Degree																																																											
Requirements for Dual Degree Program																																																											
TEMG	1011	T&M Professional Activities I		0	0	0	0									0	To graduate, students should complete ALL requirements as specified for DDP.																																										
TEMG	1012	T&M Professional Activities II		0			0	0								0																																											
TEMG	1013	T&M Professional Activities III		0					0	0						0																																											
TEMG	1014	T&M Professional Activities IV		0							0	0				0																																											
TEMG	1015	T&M Professional Activities V		0									0	0	0	0																																											
TEMG	3950	T&M Case Analysis and Product Innovation		3		3										3																																											
TEMG	4950	T&M Corporate Consulting Project		3-6							4					4																																											
Required Credits for Additional Requirements				7	0	3	0	0	0	0	4	0	0	0	0	7																																											
University Common Core Requirement																																																											
CORE	C3 - C9	U CORE - Others		21												18	153																																										
CORE	C1 & C2	U CORE - English Language		6	3	3						6	6		3	18																																											
HBAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness		3	1	2										6																																											
HBAW	1905			3	1	2										6																																											
Sub-total for University CORE				30	4	5	0	0	0	0	0	6	6		3	3	27																																										
																		Term load (incl. free credits)																																									
																		13 14 14 18 20 15 16 15 13 15																																									
																		153##																																									