

			<< Declaration of BEng major				<< Declaration of BBA major																	
School:			School of Engineering and School of Business Management												Student's Pathway									
Program:			Dual Degree Program (BEng in Computer Science and BBA in General Business Management)																					
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																					
MATH	1014	Calculus I	3		3	3								6	DDP students should take MATH 1013 or MATH 1020 to satisfy the requirements of both BEng and BBA degrees									
MATH	1020	Accelerated Calculus	3																					
MATH	1023	Honors Calculus I	4																					
MATH	1024	Honors Calculus II	3																					
MATH	2111	Note: MATH 2111 OR MATH 2121 OR MATH 2131	3-4																					
MATH	2121	Matrix Algebra and Applications	3			3								3										
MATH	2131	Linear Algebra	4																					
MATH	2131	Honors in Linear and Abstract Algebra I	4																					
Required Credits for Engineering Fundamental Courses				13-14	6	3	3	0	0	0	0	0	0	12										
Major Required Courses and Electives																								
COMP		Note: [COMP 2011 AND COMP 2012] OR COMP 2012H	5-8																					
COMP	2011	Programming with C++	4			4								8										
COMP	2012	Object-Oriented Programming and Data Structures	4																					
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5																					
COMP	2011	Computer Organization	4			4								4										
COMP	2711	Note: COMP2711 OR COMP2711H	4																					
COMP	2711H	Discrete Mathematical Tools for Computer Science	4											4										
COMP	3111	Note: COMP3111 OR COMP3111H	4																					
COMP	3111H	Software Engineering	4				4							4										
COMP	3111H	Honors Software Engineering	4																					
COMP	3511	Operating Systems	3					3						3										
COMP	3711	Note: COMP3711 OR COMP3711H	3-4																					
COMP	3711H	Design and Analysis of Algorithms	3					3						3										
COMP	3711H	Honors Design and Analysis of Algorithms	4																					
COMP	4000	Note: Students are required to take COMP4000 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										
COMP		Note: [COMP 1991 AND (COMP 4981 OR COMP 4981H)] OR [COMP 4910]	6																					
COMP	1991	Industrial Experience	0						0			3	3	6										
COMP	4910	Career Program	6																					
COMP	4981	Final Year Project	6																					
COMP	4981H	Final Year Thesis	6																					
ELEC/EDNA/MATH		Note: ELEC 2600 OR ELEC 2600H OR EDA 2620 OR EDA 2640 OR MATH 2411 OR MATH 2421 OR MATH 2431	3-4																					
ELEC	2600	Probability and Random Processes in Engineering	4																					
ELEC	2600H	Honors Probability and Random Processes in Engineering	3				4							4	Students should take MATH 2411 which will also be used to substitute ISOM 2500.									
EDA	2620	Probability for Engineers	4																					
EDA	2640	Statistics for Engineers	3																					
MATH	2411	Applied Statistics	4																					
MATH	2421	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										
BEng in Computer Science Major Requirements				69-66	0	4	6	12	9	3	3	3	6	6	64									
BBA in General Business Management																								
School Requirements																								
ACCT	2010	Principles of Accounting I	3			3								3										
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																					
ECON	2123	Macroeconomics	3					3						3										
ECON	3123	Macroeconomics - Thesis I	3																					
FINA	2303	Financial Management	3			3								3										
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0	COMP 1023 is more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP 1023 instead of ISOM 2010.									
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	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.									
ISOM	2600	Business Statistics	3	-	-	-	-	-	-	-	-	-	-	0	Substituted by MATH 2411									
ISOM	2600	Introduction to Business Analytics	1	-	-	1								1										
ISOM	2700	Operations Management	3	-	-					3				3										
MARK	2120	Marketing Management	3	3											3									
MGMT	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	1003	Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4																					
MATH	1013	Calculus and Linear Algebra	3																					
MATH	1013	Calculus I	3	(3)																				
MATH	1020	Accelerated Calculus	4												0									
MATH	1023	Honors Calculus I	3												DDP students should take MATH 1013 and MATH 1023 or MATH 1020 to satisfy the requirements of both BEng and BBA degrees									
Required Credits for School Requirements				39-40	3	3	6	4	3	3	3	2	0	2	29									
Major Required Courses and Electives																								
ISBM		ISBM Electives (Any 9 courses offered by the departments under ISBM, of which at least 4 courses are of 3000-level or above.)	29					3	4	4	5	6	3	29										
Required Credits for Major Required Courses and Electives				23	0	0	0	0	3	4	4	9	6	3	29									
Additional Requirement for Dual Degree																								
Requirements for Dual Degree Program																								
TEMG	1011	T&M Professional Activities I	0	0	0	0								0										
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	To graduates, students should complete ALL requirements as specified for DDP.									
TEMG	1015	T&M Professional Activities V	0									0	0	0										
TEMG	3050	T&M Case Analysis and Product Innovation	3		3									3										
TEMG	4050	T&M Corporate Capstone Project	3-5					4						4										
Required Credits for Additional Requirements				7	0	3	0	0	0	4	0	0	0	0	7									
University Common Core Requirement																								
CORE	C1 - C9	U-CORE - Others	21					3	3	6	3	3	3	21										
CORE	C1 & C2	U-CORE - English Language	6	3	3									6										
HBWAY	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2																			
Sub-total for University CORE				30	4	5	0	0	3	9	6	3	3	3	30									
Term load (incl. free credits)																								
13 16 17 16 15 17 16 17 15 14																								
161#																								
161																								

Notes:
() indicates the reuse of the same course to fulfill more than one requirement.
* Courses offered in winter term
+ Courses offered in summer term
--- denotes the course/requirement is either waived