

School:			School of Engineering and School of Business Management			<< Selection of BEng major		<< Selection of BBA major		Student's Pathway										Remarks
Program:		Dual Degree Program (BEng in Computer Engineering 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				
BEng in Computer Engineering																				
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			
		Note: (MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1020)			4-6															
MATH	1013	Calculus I															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 II				3	3									6				
MATH	1020	Accelerated Calculus																		
MATH	1023	Honors Calculus I																		
MATH	1024	Honors Calculus II																		
MATH	2011	Introduction to Multivariable Calculus						3	3							3				
MATH	2111	Matrix Algebra and Applications						3								3				
PHYS	1112	Note: PHYS1112* OR PHYS1312				3											* Students without Level 3 or above in HKDSE 12x OR in HKDSE 1x Physics are required to take PHYS 1101 first.			
PHYS	1312	General Physics I with Calculus Honors General Physics I				3	3									3				
		Note: PHYS1114 OR PHYS1314				3														
PHYS	1114	General Physics II					3										3			
PHYS	1314	Honors General Physics II						3									3			
Required Credits for Engineering Fundamental Courses					19-21	9	6	3	3	0	0	0	0	0	0	21				
Major Required Courses and Electives																				
CPREG	1930	Academic and Professional Development I			0	0	0									0				
CPREG	4911	Note: (CPREG 1931 AND CPREG 4901 OR CPREG 4902 OR: CPREG 4911 OR CPREG 4912) OR (CPREG 4910) (Students: taking the Research Option must take either CPREG 4902 or: CPREG 4912).			6															
CPREG	4911	Industrial Experience			0									3	3	6				
CPREG	4901	Computer Engineering Final Year Project in COMP			6															
CPREG	4902	Computer Engineering Final Year Thesis in COMP			6															
CPREG	4910	Co-op Program			6															
CPREG	4911	Computer Engineering Final Year Project in ELEC			6															
CPREG	4912	Computer Engineering Final Year Thesis in ELEC			6															
CPREG	2030	Academic and Professional Development II			0		0	0								0				
CPREG	3930	Academic and Professional Development III			0				0	0						0				
COMP	2011	Note: (COMP2011 AND COMP2012) OR COMP2012H			5-8															
COMP	2012	Programming with C++					4			4						8				
COMP	2012	Object-Oriented Programming and Data Structures																		
COMP	2012H	Honors Object-Oriented Programming and Data Structures																		
COMP/ELEC	2811	Note: COMP2811 OR ELEC2390			4															
COMP	2390	Computer Organization			4				4							4				
ELEC	2390	Introduction to Computer Organization and Design			4															
COMP	2711	Note: COMP2711 OR COMP2711H			4															
COMP	2711H	Discrete Mathematical Tools for Computer Science			4					4						4				
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science			4															
COMP	3511	Operating Systems			3						3					3				
ELEC	1100	Introduction to Electro-Robot Design			4			4								4				
ELEC	2100	Signals and Systems			4				4							4				
ELEC	2400	Electronic Circuits			4					4						4				
ELEC	2600	Probability and Random Processes in Engineering			4						4					4				
ELEC	3300	Introduction to Embedded Systems			4						4					4				
COMP/ELEC/ISOM	6999	Area Courses (At least 2 courses should be taken from one area and at least 1 course outside that area (including course(s) in the Courses without Associated Area).)			12							6	6			12				
COMP/ELEC		COMP/ELEC 2000-level or above Elective (Any course(s) of the 3 subject and level as specified)			3							3				3				
BEng in Computer Engineering Major Requirements					57-60	0	4	4	6	12	11	9	6	3	3	60				
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				
		Note: ECON 2103 OR ECON 2113			3															
ECON	2103	Principles of Microeconomics			3			3								3				
ECON	2113	Macroeconomics			3															
		Note: ECON 2103 OR ECON 3123			3															
ECON	3123	Macroeconomics			3					3						3				
ECON	3123	Macroeconomics Theory 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	2500	Business Statistics			3			3								3				
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				
		Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023			3-4															
MATH	1003	Calculus and Linear Algebra															DDP students should take MATH 1013 or MATH 1023 or MATH 1020 to satisfy the requirements of both BEng and BBA degrees			
MATH	1013	Calculus I				(3)										0				
MATH	1020	Accelerated Calculus																		
MATH	1023	Honors Calculus I																		
Required Credits for School Requirements					39-40	3	3	6	6	3	6	1	2	0	2	32				
Major Required Courses and Electives																				
SBAM		SBAM Electives (Any 9 courses offered by the departments under SBAM, of which at least 4 courses are of 3000-level or above.)			29						3	4	4	9	6	3	29			
Required Credits for Major Required Courses and Electives					29	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				
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				
TEMG	3950	T&M Case Analysis and Product Innovation			3		3									3				
TEMG	4950	T&M Corporate Consulting Project			3-5							4				4				
Required Credits for Additional Requirements					7	0	3	0	0	0	0	4	0	0	0	7				
University Common Core Requirement																				
CORE	C3 - C10	U CORE - Others			21	3		6	3				3	3	3	21				
CORE	C1 & C2	U CORE - English Language			6	3	3									6				
HMAN	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness			3	1	2	3								3				
Sub-total for University CORE					30	7	5	6	3	3	0	0	0	3	3	3	30			
					Term load (incl. free credits)															
					19	21	19	20	18	21	18	20	12	11			179			