

<< Declaration of major

School:		School of Engineering and School of Business Management		Student's Pathways (i.e. Study Pattern)												Remarks
Department:		Dual Degree Program (BEng in Computer Science and BBA in General Business Management)		Pathway 1												
Program:				Background: HKDSE 4 Core + 2 Elec (incl. 1/2x PHYS) Profile: Normative. Students to graduate in (BEng & BBA) COGBM												
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 Science																
Major Requirements																
Engineering Fundamental Courses																
COMP	1021	Note: COMP 1021 OR COMP 1022P OR COMP 1022Q OR COMP 2011		3												
COMP	1022P	Introduction to Computer Science		3	3											
COMP	1022Q	Introduction to Computing with Java		3												
COMP	1022Q	Introduction to Computing with Excel VBA		3												
ENGG	1010	Academic Orientation		0	0	0										0
CHEM/LIFS/ PHYS		Note: CHEM 1004 OR CHEM 1010 OR CHEM 1020 OR LIFS 1901 OR PHYS 1001 OR PHYS 1112 OR PHYS 1312		2-3												
CHEM	1004	Chemistry in Everyday Life		3												
CHEM	1010	General Chemistry IA		3		3										3
CHEM	1020	General Chemistry IB		2												
LIFS	1901	General Biology I		3												
PHYS	1001	Physics and the Modern Society		3												
PHYS	1112	General Physics I with Calculus		3												
PHYS	1312	Honors General Physics I		3												
LANG	2030	Technical Communication I		3					3							3
MATH		Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]		4-6												
MATH	1012	Calculus IA		4												
MATH	1013	Calculus IB		3	3	3										6
MATH	1014	Calculus II		3												
MATH	1020	Accelerated Calculus		4												
MATH	1023	Honors Calculus I		3												
MATH	1024	Honors Calculus II		3												
MATH	2111	Matrix Algebra and Applications		3				3								3
SENG		Engineering Introduction course (COMP students may also use COMP 1022P or COMP 1022Q to fulfill this requirement.)		3-4		3										3
Required credits for Engineering Fundamental Courses				18-22												21
Major Required Courses and Electives																
COMP	1991	Industrial Experience		0							0	0	0	0	0	0
COMP		Note: (COMP 2011 AND COMP 2012) OR COMP 2012H		5-8												
COMP	2011	Introduction to Object-oriented Programming		4			4	4								8
COMP	2012	Object-Oriented Programming and Data Structures		4												
COMP	2012H	Honors Object-Oriented Programming and Data Structures		5												
COMP	2611	Computer Organization		4						4						4
COMP		Note: COMP 2711 OR COMP 2711H		4												
COMP	2711	Discrete Mathematical Tools for Computer Science		4			4									4
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science		4												
COMP		Note: COMP 3111 OR COMP 3111H		4												
COMP	3111	Software Engineering		4					4							4
COMP	3111H	Honors Software Engineering		4												
COMP	3511	Operating Systems		3							3					3
COMP		Note: COMP 3711 OR COMP 3711H		3-4												
COMP	3711	Design and Analysis of Algorithms		3				3								3
COMP	3711H	Honors Design and Analysis of Algorithms		4												
COMP		Note: Students are required to take COMP 4900 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
COMP	4900			0												
COMP		Note: COMP 4981 OR COMP 4981H (Students taking the Researcher Option must take COMP 4981H)		6												
COMP	4981	Final Year Project		6									3	3		6
COMP	4981H	Final Year Thesis		6												
ELEC/IELM/ MATH		Note: ELEC 2600 OR IELM 2510 OR MATH 2411 OR MATH 2421		4												
ELEC	2600	Probability and Random Processes in Engineering		4				4								4
IELM	2510	Engineering Probability and Statistics		4												
MATH	2411	Applied Statistics		4												
MATH	2421	Probability		4												
ENGG	2010	Engineering Seminar Series		0			0	0	0	0						0
LANG	4030	Technical Communication II for CSE & CPEG		3	---	---	---	---	---	---	---	---	---	---	---	0
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.)		15							3	6	3	3		15
COMP		COMP Elective (Any 1 course offered under COMP)		3											3	3
Required credits for Major Requirements Courses and Electives				54-58												54
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		Note: ECON 2103 OR ECON 2113		3					3							3
ECON	2103	Principles of Microeconomics		3												
ECON	2113	Microeconomics		3												
ECON		Note: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECOF must take ECON 3123)		3						3						3
ECON	2123	Macroeconomics		3												
ECON	3123	Macroeconomic Theory I		3												
FINA	2303	Financial Management		3												
ISOM	2010	Introduction to Information Systems		3	---	---	---	---	---	---	---	---	---	---	---	0
ISOM	2500	Business Statistics		3	---	---	---	---	---	---	---	---	---	---	---	0
ISOM	2700	Operations Management		3						3						3
MARK	2120	Marketing Management		3						3						3
MGMT	2110	Organizational Behavior		3			3									3
MGMT	2130	Business Ethics and Social Responsibility		2							2					2
SBMT	1111	Business Student Induction		0	---	---	---	---	---	---	---	---	---	---	---	0
SBMT	2010	Business Ethics and the Individual		2					2							2
SBMT	2020**	Effective Communication in Business		2						2						2
LABU		Note: LABU 2050 OR (LABU 2051 AND LABU 2052) (Students who wish to pursue BBA GBUS must take LABU 2050 while others must take LABU 2051 and LABU 2052)		3-4			2	2								4
LABU	2050	Honors Business Case Analyses		3												
LABU	2051**	Business Case Analyses I		2												
LABU	2052**	Business Case Analyses II		2												
MATH		Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023		3-4												
MATH	1003	Calculus and Linear Algebra		3												
MATH	1012	Calculus IA		4		-3										0
MATH	1013	Calculus IB		3												
MATH	1020	Accelerated Calculus		4												
MATH	1023	Honors Calculus I		3												
Required credits for School Requirements				42-44												34
Major Requirements																
Major Required Courses and Electives																
SB&M		SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)		29				6			3	6	7	7		29
Required credits for Major Required Courses and Electives				29												29
Additional Requirements																
Requirements for Dual Degree Program																
Required Courses																
TEMG	1010	Technology and Management Professional Activities		0			0	0	0	0	0	0	0	0	0	0
Required credits for Additional Requirements				0												0
University CORE																
CORE	C3 - C12	U CORE - Others		30	6	6			3		6	6	3			30
CORE	C1 & C2	U CORE - English Language		6	3	3										6
Sub-total for University CORE				36												36
Term load (excl. free credits)																
18 15 19 19 18 18 18 17 18 18 16 16																
174##																
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Notes:
() indicates the reuse of the same course to fulfill more than one requirement.
--- denotes the course/requirement is either waived or substituted
To graduate, students should complete all requirements as specified for DDP.

**Remarks on course(s):
- LABU 2051, 2052, 2020: LABU2051, 2052, 2020 will be deleted soon, replacements are LABU2040, 2060. (Detailed timeline to be announced)
- LABU 2040: This is a new course subject to approval. (effective from 2016/17 and applicable to students admitted in or after 2016/17)
- LABU 2060: This is a new course subject to approval. (effective from 2016/17 and applicable to students admitted in or after 2016/17)

>> The content of this example is not necessarily equivalent to a complete list of graduation requirements of the program. Students should refer to the Program Catalog/UG Curriculum Handbook for updated graduation requirements. For up-to-date information on course offering and scheduling, students should check it out from respective School and Department.

For IPO/DDP REFERENCE ONLY:	
TOTAL CREDITS FOR COGBM (2015-16 intake)	179** to 189**
Deviation applied (-9)	170** to 180**