

<< 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												
CHEMLIFS/ 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														
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														
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														
MATH	1014	Calculus II	3	3	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								
SENG		Engineering Introduction course (COMP students may also use COMP 1022P or COMP 1022Q to fulfill this requirement.)	3-4														
Required credits for Engineering Fundamental Courses			18-22														
Major Required Courses and Electives																	
COMP	2011	Note: (COMP 2011 AND COMP 2012) OR COMP 2012H	5-8														
COMP	2012	Introduction to Object-oriented Programming	4														
COMP	2012H	Object-Oriented Programming and Data Structures	4														
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5														
COMP	2611	Computer Organization	4														
COMP	2711	Note: (COMP 2711 OR COMP 2711H)	4														
COMP	2711H	Discrete Mathematical Tools for Computer Science	4														
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science	4														
COMP	3111	Note: COMP 3111 OR COMP 3111H	4														
COMP	3111H	Software Engineering	4														
COMP	3111H	Honors Software Engineering	4														
COMP	3511	Operating Systems	3														
COMP	3711	Note: COMP 3711 OR COMP 3711H	3-4														
COMP	3711H	Design and Analysis of Algorithms	3														
COMP	3711H	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														
COMP	4981	Note: (COMP4981 OR COMP4981H) AND COMP1991 OR COMP4910	6														
COMP	4981H	Final Year Project	6														
COMP	4981H	Final Year Thesis	6														
COMP	4910	Co-op FYP Program	6														
ELEC	2600	Note: ELEC2600 OR IELM2510 OR MATH2411 OR MATH2421 OR MATH2431	3-4														
IEDA	2520	Probability and Random Processes in Engineering	4														
IEDA	2540	Probability for Engineers	3														
MATH	2411	Statistics for Engineers	3														
MATH	2421	Applied Statistics	4														
MATH	2431	Probability	4														
MATH	2431	Honors Probability	4														
ENGG	4010	Engineering Seminar Series	0														
LANG	4030	Technical Communication II for CSE & CPEG	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.)	15														
COMP		COMP Elective (Any 1 course offered under COMP)	3														
Required credits for Major Requirements Courses and Electives			53-58														
BBA in General Business Management																	
School Requirements																	
ACCT	2010	Principles of Accounting I	3														
ACCT	2200	Principles of Accounting II	3														
ECON	2103	Note: ECON 2103 OR ECON 2113	3														
ECON	2113	Principles of Microeconomics	3														
ECON	2113	Microeconomics	3														
ECON	2123	Note: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECOF must take ECON 3123)	3														
ECON	3123	Macroeconomics	3														
FINA	2303	Financial Management	3														
ISOM	2010	Introduction to Information Systems	3														
ISOM	2500	Business Statistics	3														
ISOM	2700	Operations Management	3														
MARK	2120	Marketing Management	3														
MGMT	2010**	Business Ethics and the Individual	2														
MGMT	2110	Organizational Behavior	3														
MGMT	2130	Business Ethics and Social Responsibility	2														
SBMT	1111	Business Student Induction	0														
LABU	2060**	Effective Communication in Business**	3														
LABU	2040**	Business Case Analyses**	3														
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4														
MATH	1012	Calculus and Linear Algebra	3														
MATH	1013	Calculus IA	4														
MATH	1013	Calculus IB	3														
MATH	1020	Accelerated Calculus	4														
MATH	1023	Honors Calculus I	3														
Required credits for School Requirements			43-44														
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														
Required credits for Major Required Courses and Electives			29														
Additional Requirements																	
Requirements for Dual Degree Program																	
Required Courses																	
TEMG	1010	Technology and Management Professional Activities	0														
Required credits for Additional Requirements			0														
University CORE																	
CORE	C3 - C12	U CORE - Others	30														
CORE	C1 & C2	U CORE - English Language	6														
Sub-total for University CORE			36														
Term load (excl. free credits)																	
18				18				17				17					
18				18				17				17					
177##																	

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 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)
 - MGMT2010: Previous Course Code: SBMT 2010
 >> 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.