

||<< Declaration of major

School:		School of Engineering and School of Business Management			Student's Pathways (i.e. Study Pattern)											
Department:		Dual Degree Program (BEng in Computer Science and BBA in General Business Management)			Pathway 1											
Program:		Dual Degree Program (BEng in Computer Science and BBA in General Business Management)			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	Remarks

BEng in Computer Science

Major Requirements

Engineering Fundamental Courses																
COMP		Note: COMP1021 OR COMP1022P OR COMP1022Q		3												
COMP	1021	Introduction to Computer Science		3												
COMP	1022P	Introduction to Computing with Java		3	3											
COMP	1022Q	Introduction to Computing with Excel VBA		3												
ENGG	1010	Academic Orientation		0	0	0										
CHEM / LIFS / PHYS		Note: CHEM1004 OR CHEM1010 OR CHEM1020 OR LIFS1901 OR PHYS1001 OR PHYS1112 OR PHYS1312		2-3												
CHEM	1004	Chemistry in Everyday Life		3												
CHEM	1010	General Chemistry IA		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							
		Note: (LANG1010 OR MATH1010 OR MATH1020) AND (MATH1014 OR MATH1024) OR [MATH1024] OR [MATH1020]		4-7												
MATH	1012	Calculus IA		4	3											
MATH	1013	Calculus IB		3												
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								
SENG		Engineering Introduction course (COMP students may also use COMP1022P or COMP1022Q to fulfill this requirement)		3-4		3										
Required credits for Engineering Fundamental Courses				18-23											21	

Major Required Courses and Electives																
COMP		Note: (COMP2011 AND COMP2012) OR COMP2012H		5-8												
COMP	2011	Introduction to Object-oriented Programming		4												
COMP	2012	Object-Oriented Programming and Data Structures		4				4	4							
COMP	2012H	Honors Object-Oriented Programming and Data Structures		5												
COMP	2611	Computer Organization		4							4					
COMP		Note: COMP2711 OR COMP2711H		4												
COMP	2711	Discrete Mathematical Tools for Computer Science		4					4							
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science		4												
COMP		Note: COMP3111 OR COMP3111H		4												
COMP	3111	Software Engineering		4						4						
COMP	3111H	Honors Software Engineering		4												
COMP	3511	Operating Systems		3							3					
COMP		Note: COMP3711 OR COMP3711H		3-4												
COMP	3711	Design and Analysis of Algorithms		3						3						
COMP	3711H	Honors Design and Analysis of Algorithms		4												
COMP		Note: Students are required to take COMP4900 for every regular term in which they are in residency at HKUST with major in COMP		0				0	0	0	0	0	0	0	0	0
COMP	4900	Academic and Professional Development		0												
COMP		Note: (COMP4981 OR COMP4981H) AND COMP1991 OR COMP4910		6												
COMP	1991	Industrial Experience		0									3	3		
COMP	4981	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						4						
MATH	2421	Applied Statistics		4												
MATH	2431	Honors Probability		4												
ENGG	2010	Engineering Seminar Series		0				0	0	0	0					
LANG	4030	Technical Communication II for CSE & CPEG		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.)		15									3	6	3	3
COMP		COMP Elective (Any 1 course offered under COMP)		3											3	3
Required credits for Major Requirements Courses and Electives				53-58											57	

BBA in General Business Management

School Requirements																
ACCT	2010	Principles of Accounting I		3							3					
ACCT	2200	Principles of Accounting II		3								3				
ECON		Note: ECON 2103 OR ECON 2113		3												
ECON	2103	Principles of Microeconomics		3							3					
ECON	2113	Microeconomics		3												
ECON		Note: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECOF must take ECON 3123)		3												
ECON	2123	Macroeconomics		3												
ECON	3123	Macroeconomic Theory I		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					2							
MGMT	2110	Organizational Behavior		3												
MGMT	2130	Business Ethics and Social Responsibility		2									2			
SBMT	1111	Business Student Induction		0												
LABU	2040	Business Case Analyses		3												
LABU	2060	Effective Communication in Business		3												
MATH		Note: MATH1003 OR MATH1012 OR MATH1013 OR MATH1020 OR MATH1023		3-4												
MATH	1003	Calculus and Linear Algebra		3												
MATH	1012	Calculus IA		4	(3)											
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		3							3	6	7	7	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	0	0	0	0	0	0	0	0	0	0	0	0	0
Required credits for Additional Requirements				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													
Term load (excl. free credits)																	
	18	18	17	17	18	19	19	17	18	19	16						
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.

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**Remarks on course(s):

>> 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.