

<< 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 Engineering 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) CPGBM												
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																	
Major Requirements																	
Engineering Fundamental Courses																	
COMP		Note: COMP 1021 OR COMP 1022P OR COMP 1022Q		3													
COMP	1021	Introduction to Computer Science		3	3										3	This course will also be used to substitute ISOM 2010	
COMP	1022P	Introduction to Computing with Java		3													
COMP	1022Q	Introduction to Computing with Excel VBA		3													
ENGG	1010	Academic Orientation		0	0	0									0		
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	3	3									6		
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	2011	Introduction to Multivariable Calculus		3					3						3		
MATH	2111	Matrix Algebra and Applications		3					3						3		
PHYS		Note: PHYS 1112 OR PHYS 1312		3													
PHYS	1112	General Physics I with Calculus		3	3										3		
PHYS	1312	Honors General Physics I		3													
PHYS		Note: PHYS 1114 OR PHYS 1154 OR PHYS 1314		2-3													
PHYS	1114	General Physics II		3					3						3		
PHYS	1154**	Accelerated General Physics II		2													
PHYS	1314	Honors General Physics II		3													
SENG		Engineering Introduction course (If the students take an introduction course included in their major, this course can be counted towards their major requirement.)		3-4		3									3		
Required credits for Engineering Fundamental Courses				24-28											27		
Major Required Courses and Electives																	
COMP		Note: (COMP 2011 AND COMP 2012) OR COMP 2012H		5-6													
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/ELEC		Note: COMP 2611 OR ELEC 2300		4													
COMP	2611	Computer Organization		4				4							4		
ELEC	2300	Computer Organization (co-reg ELEC 2200)		4													
COMP/ELEC		Note: COMP 2711 OR COMP 2711H OR ELEC 2600		4													
COMP	2711	Discrete Mathematical Tools for Computer Science		4						4					4		
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science		4													
ELEC	2600	Probability and Random Processes in Engineering		4													
COMP	3511	Operating Systems		3								3			3		
COMP/ELEC		Note: COMP 4521 OR COMP 4611 OR ELEC 4310		3-4													
COMP	4521	Mobile Application Development		3									3		3		
COMP	4611	Design and Analysis of Computer Architectures		3													
ELEC	4310	Embedded System Design		4													
COMP/ELEC		Note: COMP 4988 OR COMP 4989 OR ELEC 4918 OR ELEC 4919 (Students taking the Research Option must take either COMP 4989 or ELEC 4919)		6													
CPEG	4918	Computer Engineering Final Year Project in ELEC		6									3	3	6		
CPEG	4919	Computer Engineering Final Year Thesis in ELEC		6													
CPEG	4988	Computer Engineering Final Year Project in COMP		6													
CPEG	4989	Computer Engineering Final Year Thesis in COMP		6													
ELEC		Note: ELEC 1100 OR ELEC 1200		4													
ELEC	1100	Introduction to Electro-Robot Design		4			4								4		
ELEC	1200	A System View of Communications: from Signals to Packets		4													
CPEG	1971**	Industrial Experience		0						0	0	0	0	0	0		
ELEC		Note: ELEC 2100 OR ELEC 2400		4													
ELEC	2100	Signals and Systems		4						4					4		
ELEC	2400	Electronic Circuits		4													
ELEC	2200	Digital Circuits and Systems		4				4							4		
CPEG	2930**	Academic and Professional Development I		0			0	0							0		
ELEC	3300	Introduction to Embedded Systems		4								4			4		
CPEG	3930**	Academic and Professional Development II		0					0	0					0		
ENGG	2010	Engineering Seminar Series		0			0	0	0	0					0		
LANG		Note: LANG 4030 OR LANG 4031		3													
LANG	4030	Technical Communication II for CSE & CPEG		3												Students should take LABU 2051 AND LABU 2052 to fulfill this requirement and also to substitute LANG 4030 OR LANG 4031	
LANG	4031	Technical Communication II for ECE & CPEG		3													
COMP/ELEC		Area Courses (At least 4 courses from the specified elective list, of which at least 2 courses should be taken from one single area and at least 2 courses outside that area. Courses taken as Major Required Courses may not be counted towards the elective requirement.)		15								4	4	7	15		
Required credits for Major Requirements Courses and Electives				59-63											59		
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													
ECON	2103	Principles of Microeconomics		3			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					3						3		
ECON	3123	Macroeconomic Theory I		3													
FINA	2303	Financial Management		3							3				3		
ISOM	2010	Introduction to Information Systems		3											0	Substituted by COMP 1021/1022P/1022Q	
ISOM	2500	Business Statistics		3				3							3		
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	Waived for DDP students	
SBMT	2010	Business Ethics and the Individual		2					2						2		
LABU	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													
LABU	2050	Honors Business Case Analyses		3											4	Students should take LABU 2051 AND LABU 2052 to fulfill this requirement and also to substitute LANG 4030 OR LANG 4031	
LABU	2051**	Business Case Analyses I		2			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		-3									0	DDP students should take MATH 1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees	
MATH	1012	Calculus IA		4													
MATH	1013	Calculus IB		3													
MATH	1020	Accelerated Calculus		4													
MATH	1023	Honors Calculus I		3													
Required credits for School Requirements				42-44											37		
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					7	3	6	10	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	9				0	9	6			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	18	19	19	18	18	20	20	18	20			
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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):	
- CPEG 1971:	Previous course code was ELEC 1971 and changed to CPEG 1971 starting from Fall, 2015-16.
- CPEG 1971:	The course title will be changed to "Industrial Experience" starting from Fall, 2015-16.
- CPEG 2930:	Previous course code was ELEC 2930 and changed to CPEG 2930 starting from Fall, 2015-16.
- CPEG 3930:	Previous course code was ELEC 3930 and changed to CPEG 3930 starting from Fall, 2015-16.
- 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.