

<< 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	1021	Note: COMP1021 OR COMP1022P OR COMP1022Q OR COMP2011 Introduction to Computer Science	3												3			
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: (MATH1012 OR MATH1013 OR MATH1023) AND (MATH1014 OR MATH1024) OR [MATH1020]	4-7															
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	2011	Introduction to Multivariable Calculus	3					3							3			
MATH	2111	Matrix Algebra and Applications	3					3							3			
PHYS		Note: PHYS1112 OR PHYS1312	3															
PHYS	1112	General Physics I with Calculus	3	3											3			
PHYS	1312	Honors General Physics I	3															
PHYS		Note: PHYS1114 OR PHYS1154 OR PHYS1314	3						3						3			
PHYS	1114	General Physics II	3															
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			25-29												27			
Major Required Courses and Electives																		
CPEG	2930	Academic and Professional Development I	0				0	0							0			
CPEG	3930	Academic and Professional Development II	0					0	0						0			
COMP		Note: (COMP2011 AND COMP2012) OR COMP2012H	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/ELEC		Note: COMP2611 OR ELEC2300	4															
COMP	2611	Computer Organization	4				4								4			
ELEC	2350	Introduction to Computer Organization and Design	4															
COMP/ELEC		Note: COMP2711 OR COMP2711H 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: COMP4521 OR COMP4611 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		Note: (CPEG4901 OR CPEG4902) AND (CPEG4911 OR CPEG4912) AND (CPEG4913 OR CPEG4914)	0															
CPEG	1971	Industrial Experience	0															
CPEG	4901	Computer Engineering Final Year Project in COMP	6									3	3		6			
CPEG	4902	Computer Engineering Final Year Thesis in COMP	6															
CPEG	4911	Computer Engineering Final Year Project in ELEC	6															
CPEG	4912	Computer Engineering Final Year Thesis in ELEC	6															
CPEG	4910	Co-op Program	6															
ELEC	1100	Introduction to Electro-Robot Design	4			4									4			
ELEC		Note: ELEC1200 OR ELEC2100 OR ELEC2400 (2 courses out of 3)	8															
ELEC	1200	A System View of Communications: from Signals to Packets	4															
ELEC	2100	Signals and Systems	4				4		4						8			
ELEC	2400	Electronic Circuits	4															
ELEC	3300	Introduction to Embedded Systems	4								4				4			
ENGG	2010	Engineering Seminar Series	0			0	0	0	0						0			
LANG		Note: LANG4030 OR LANG4031	3															
LANG	4030	Technical Communication II for CSE & CPEG	3									3			3			
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												62			
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						3						3			
ECON	2123	Macroeconomics	3															
ECON	3123	Macroeconomic Theory I	3															
FINA	2303	Financial Management	3							3					3			
ISOM	2010	Introduction to Information Systems	3												0			
ISOM	2500	Business Statistics	3						3						3			
ISOM	2700	Operations Management	3							3					3			
MARK	2120	Marketing Management	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			
SBMT	1111	Business Student Induction	0												0			
LABU	2040	Business Case Analyses	3												3			
LABU	2060	Effective Communication in Business	3							3					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															
MATH	1013	Calculus IB	3															
MATH	1020	Accelerated Calculus	4															
MATH	1023	Honors Calculus I	3															
Required credits for School Requirements			43-44												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	4					7		5	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	0	0			
Required credits for Additional Requirements			0												0			
University CORE																		
CORE	C3 - C12	U CORE - Others	30	6	6				0	9	9				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	18	20	18	19	20	20	20	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):

>> 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.