

<< Declaration of BEng major << Declaration of BBA major

School:		School of Engineering and School of Business Management			Student's Pathway										Remarks	
Program:		Dual Degree Program (BEng in Computer Science and BBA in Global Business)			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
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List		Credits												
BEng in Computer Science																
Major Requirements																
Engineering Fundamental Courses																
COMP	1021	Note: COMP1021 OR COMP1022P Introduction to Computer Science		3	3											3
COMP	1022P	Introduction to Computing with Java		3												3
CHEM	1008	Note: CHEM1008 OR CHEM1012 OR LIFS1901 OR PHYS1101 OR PHYS1112 OR PHYS1312 Introductory Chemistry		3												3
CHEM	1012	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories		3	3											3
LIFS	1901	General Biology I		3												3
PHYS	1101	Introductory Physics		4												4
PHYS	1112	General Physics I with Calculus		3												3
PHYS	1312	Honors General Physics I		3												3
MATH	1012	Note: [MATH 1012 OR MATH 1013 OR MATH 1023] AND [MATH 1014 OR MATH 1024] OR [MATH 1020] Calculus IA		4												4
MATH	1013	Calculus IB		3												3
MATH	1014	Calculus II		3	3	3										6
MATH	1020	Accelerated Calculus		4												4
MATH	1023	Honors Calculus I		3												3
MATH	1024	Honors Calculus II		3												3
MATH	2111	Note: MATH 2111 OR MATH 2121 OR MATH 2131 Matrix Algebra and Applications		3-4				3								3
MATH	2121	Linear Algebra		3-4												3
MATH	2131	Honors in Linear and Abstract Algebra I		3-4												3
SENG		Engineering Introduction course (COMP students may also use COMP1022P to fulfill this requirement)		3-4	(3)											0
Required credits for Engineering Fundamental Courses				16-22												15
Major Required Courses and Electives																
COMP	2011	Note: (COMP2011 AND COMP2012) OR COMP2012H Programming with C++		5-8												8
COMP	2012	Object-Oriented Programming and Data Structures		4			4	4								8
COMP	2012H	Honors Object-Oriented Programming and Data Structures		5												5
COMP	2611	Computer Organization		4						4						4
COMP	2711	Note: COMP2711 OR COMP2711H Discrete Mathematical Tools for Computer Science		4			4									4
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science		4												4
COMP	3111	Note: COMP3111 OR COMP3111H Software Engineering		4					4							4
COMP	3111H	Honors Software Engineering		4												4
COMP	3511	Operating Systems		3						3						3
COMP	3711	Note: COMP3711 OR COMP3711H Design and Analysis of Algorithms		3-4					3							3
COMP	3711H	Honors Design and Analysis of Algorithms		4												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		0	0	0	0	0	0	0	0	0	0	0
COMP	1991	Note: [COMP 1991 AND (COMP 4981 OR COMP 4981H)] OR [COMP 4910] Industrial Experience		6									3	3		6
COMP	4981	Final Year Project		6												6
COMP	4981H	Final Year Thesis		6												6
COMP	4910	Co-op FYP Program		6												6
ELEC/IEDA/MATH		Note: ELEC 2600 OR ELEC 2600H OR IEDA 2520 OR IEDA 2540 OR MATH 2411 OR MATH 2421 OR MATH 2431 Probability and Random Processes in Engineering		3-4												4
ELEC	2600	Honors Probability and Random Processes in Engineering		4			4									4
ELEC	2600H	Probability for Engineers		3												3
IEDA	2520	Statistics for Engineers		3												3
IEDA	2540	Applied Statistics		4												4
MATH	2411	Probability		4												4
MATH	2421	Honors Probability		4												4
MATH	2431	Engineering Seminar Series		0		0	0	0	0	0	0	0	0	0	0	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 (including course(s) in the Courses Without Associated Area). Students may use at most one course under Deep Learning Applications (COMP 4471 and COMP 5223) to count towards this elective requirement.)		15							3	6	3	3		15
COMP		COMP 2000-level or above Elective (Any course(s) of the subject and level as specified)		3			3									3
Required credits for Major Requirements Courses and Electives				50-55												54
BBA in Global Business																
School Requirements																
ACCT	2010	Principles of Accounting I		3			3									3
ACCT	2200	Principles of Accounting II		3						3						3
ECON	2103	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics		3			3									3
ECON	2113	Microeconomics		3												3
ECON	2123	Note: ECON 2123 OR ECON 3123 Macroeconomics		3				3								3
ECON	3123	Macroeconomic Theory I		3												3
FINA	2303	Financial Management		3			3									3
ISOM	2010	Introduction to Information Systems		3	---	---	---	---	---	---	---	---	---	---	---	0
ISOM	2020	Coding for Business		1	---	---	---	---	---	---	---	---	---	---	---	0
ISOM	2500	Business Statistics		3	---	---	---	---	---	---	---	---	---	---	---	0
ISOM	2600	Introduction to Business Analytics		1						1						1
ISOM	2700	Operations Management		3							3					3
MARK	2120	Marketing Management		3	3											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
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra		3-4												0
MATH	1012	Calculus IA		3	(3)											3
MATH	1013	Calculus IB		4												4
MATH	1020	Accelerated Calculus		4												4
MATH	1023	Honors Calculus I		3												3
Required credits for School Requirements				39-40												29
Major Requirements																
Major Required Courses and Electives																
GBUS	1000	Global Leadership Development		0					0	0	0	0	0	0	0	0
GBUS	2010	Global Business Analysis		3						3						3
GBUS/SBMT	2020	Note: GBUS 2020 OR GBUS 2040 OR SBMT 2100-2110 Public Service Project		1-4						1	[1]					1
GBUS	2040	Environmental, Social, and Governance (ESG) Corporate Project		1												1
GBUS	2100-2110	Community Services Project		4												4
GBUS/ISOM	3030	Note: GBUS 3030 OR ISOM 4780 Global Business Case Studies		3-4							3	[3]				3
GBUS	4780	Integrated Planning and Execution		3												3
GBUS	4910	Capstone Project		4									4	[4]		4
GBUS		Global Business Electives (Courses from the specified elective list, of which at least 6 credits from each area and at least 2 courses must be offered by GBUS. Courses taken to fulfill requirements of an additional major in SBM may not be counted towards this elective requirement.)		15							6	3	6			15
Required credits for Major Required Courses and Electives				26-30												26
Additional Requirements																
Requirements for Dual Degree Program																
Required Courses																
TEMG	1010	T&M Professional Activities		0	0	0	0	0	0	0	0	0	0	0	0	0
TEMG	3950	T&M Case Analysis and Product Innovation		3		3										3
TEMG	4950	T&M Corporate Consulting Project		3-5					4							4
Required credits for Additional Requirements				7												7
University CORE																
CORE	C3 - C9	U CORE - Others		21		3		3	3	3	3	3	3	3	3	21
CORE	C1 & C2	U CORE - English Language		6	3	3										6
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness		3	1	2										3
Sub-total for University CORE				30												30
Term load (excl. free credits)																
					16	17	18	16	17	15	15	17	13	17		
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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):																