

<< 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 Management)			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													
<b>BEng in Computer Science</b>																
<b>Major Requirements</b>																
<b>Engineering Fundamental Courses</b>																
COMP	1021	Note: COMP1021 OR COMP1022P	3													3
COMP	1022P	Introduction to Computer Science Introduction to Computing with Java	3	3												
CHEM	1008	Note: CHEM1008 OR CHEM1012 OR LIFS1901	3-4													
CHEM	1012	OR PHYS1101 OR PHYS1112 OR PHYS1312	3													
LIFS	1901	Introductory Chemistry	3	3												3
PHYS	1101	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3													
PHYS	1112	General Biology I	4													
PHYS	1312	Introductory Physics	3													
PHYS	1312	General Physics I with Calculus	3													
PHYS	1312	Honors General Physics I	3													
MATH	1012	Note: (MATH 1012 OR MATH 1013 OR MATH 1023) AND	4-7													
MATH	1013	(MATH 1014 OR MATH 1024) OR (MATH 1020)	4													
MATH	1014	Calculus IA	3	3	3											6
MATH	1020	Calculus IB	3													
MATH	1023	Accelerated Calculus	4													
MATH	1024	Honors Calculus I	3													
MATH	1024	Honors Calculus II	3													
MATH	2111	Note: MATH 2111 OR MATH 2121 OR MATH 2131	3-4													
MATH	2121	Matrix Algebra and Applications	3			3										3
MATH	2131	Linear Algebra	3													
MATH	2131	Honors Linear and Abstract Algebra I	3													
SENG		Engineering Introduction course (COMP students may also use COMP1022P to fulfill this requirement)	3-4	(3)												0
<b>Required credits for Engineering Fundamental Courses</b>				16-22												15
<b>Major Required Courses and Electives</b>																
COMP	2011	Note: (COMP2011 AND COMP2012) OR COMP2012H	5-8													
COMP	2012	Programming with C++	4													
COMP	2012H	Object-Oriented Programming and Data Structures	4			4	4									8
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5													
COMP	2611	Computer Organization	4								4					4
COMP	2711	Note: COMP2711 OR COMP2711H	4													
COMP	2711H	Discrete Mathematical Tools for Computer Science	4			4										4
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science	4													
COMP	3111	Note: COMP3111 OR COMP3111H	4													
COMP	3111H	Software Engineering	4								4					4
COMP	3111H	Honors Software Engineering	4													
COMP	3511	Operating Systems	3									3				3
COMP	3711	Note: COMP3711 OR COMP3711H	3-4													
COMP	3711H	Design and Analysis of Algorithms	3								3					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			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]	6													
COMP	4981	Industrial Experience	0													
COMP	4981H	Final Year Project	6										3	3		6
COMP	4910	Final Year Thesis	6													
COMP	4910	Co-op FYP Program	6													
ELECIEDAMATH		Note: ELEC 2600 OR ELEC 2600H OR IEDA 2520 OR IEDA 2540 OR MATH 2411 OR MATH 2421 OR MATH 2431	3-4													
ELEC	2600	Probability and Random Processes in Engineering	4													
ELEC	2600H	Honors Probability and Random Processes in Engineering	4													
IEDA	2520	Probability for Engineers	3			4										4
IEDA	2540	Statistics for Engineers	3													
MATH	2411	Applied Statistics	4													
MATH	2421	Probability	4													
MATH	2431	Honors Probability	4													
ENGG	2010	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
<b>Required credits for Major Requirements Courses and Electives</b>				50-55												54
<b>BBA in Management</b>																
<b>School Requirements</b>																
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	3													
ECON	2113	Principles of Microeconomics	3									3				3
ECON	2113	Microeconomics	3													
ECON	2123	Note: ECON 2123 OR ECON 3123	3													
ECON	3123	Macroeconomics	3								3					3
ECON	3123	Macroeconomic Theory I	3													
FINA	2303	Financial Management	3													
ISOM	2010	Introduction to Information Systems	3													
ISOM	2010	Introduction to Information Systems	3													
ISOM	2020	Coding for Business	1													
ISOM	2020	Coding for Business	1													
ISOM	2500	Business Statistics	3													
ISOM	2500	Business Statistics	3													
ISOM	2600	Introduction to Business Analytics	1													
ISOM	2600	Introduction to Business Analytics	1													
ISOM	2700	Operations Management	3													
ISOM	2700	Operations Management	3													
MARK	2120	Marketing Management	3	3												3
MGMT	2010	Business Ethics and the Individual	2													
MGMT	2010	Business Ethics and the Individual	2													
MGMT	2110	Organizational Behavior	3													
MGMT	2110	Organizational Behavior	3													
MGMT	2130	Business Ethics and Social Responsibility	2													
MGMT	2130	Business Ethics and Social Responsibility	2													
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													
MATH	1023	Honors Calculus I	3													
<b>Required credits for School Requirements</b>				39-40												29
<b>Major Requirements</b>																
<b>Major Required Courses and Electives</b>																
MGMT	3110	Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.)	4													
MGMT	3120	Human Resources Management	4													
MGMT	3120	Managerial Leadership	4													
MGMT	3130	Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.)	4													
MGMT	3140	Judgement and Decision Making in Organizations	4													
MGMT	3140	Negotiation	4													
MGMT	4210	Note: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.)	3-4													
MGMT	4220	Corporate Strategy	3													
MGMT	4220	Entrepreneurship and Innovation	4													
MGMT		MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.)	9													
MGMT		MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.)	9													
<b>Required credits for Major Required Courses and Electives</b>				20-21												20
<b>Additional Requirements</b>																