

<< 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 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													
ENGG	1010	Academic Orientation		0	0	0										0	
CHEM	1004	Note: CHEM1004 OR CHEM1010 OR CHEM1020 OR LIFS1901 OR PHYS1001 OR PHYS1112 OR PHYS1312 Chemistry in Everyday Life		3													3
CHEM	1010	General Chemistry IA		3													
CHEM	1020	General Chemistry IB		3	3												
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							3	
MATH	1012	Note: [MATH 1012 OR MATH 1013 OR MATH 1023] AND [MATH 1014 OR MATH 1024] OR [MATH 1020]		4-7													6
MATH	1013	Calculus IA		4													
MATH	1014	Calculus IB		3	3	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									3	
SENG		Engineering Introduction course (COMP students may also use COMP1022P or COMP1022Q to fulfill this requirement)		3-4	(3)											0	
<b>Required credits for Engineering Fundamental Courses</b>				19-23												18	
<b>Major Required Courses and Electives</b>																	
COMP	2011	Note: (COMP2011 AND COMP2012) OR COMP2012H Programming with C++		5-8			4	4									8
COMP	2012	Object-Oriented Programming and Data Structures		4													
COMP	2012H	Honors Object-Oriented Programming and Data Structures		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													
COMP	3111	Note: COMP3111 OR COMP3111H Software Engineering		4					4							4	
COMP	3111H	Honors Software Engineering		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													
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	
COMP	1991	Note: (COMP4981 OR COMP4981H) AND COMP1991 OR COMP4910 Industrial Experience		6										3	3	6	
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 Probability and Random Processes in Engineering		3-4			4									4	Students should take MATH 2411 which will also be used to substitute ISOM 2500.
IEDA	2520	Probability for Engineers		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	
LANG	4030	Technical Communication II for CSE & CPEG		3									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		15	
COMP		COMP Elective (Any 1 course offered under COMP)		3											3	3	
<b>Required credits for Major Requirements Courses and Electives</b>				53-58												57	
<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 Principles of Microeconomics		3			3									3	
ECON	2113	Microeconomics		3													
ECON	2123	Note: ECON 2123 OR ECON 3123 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
ISOM	2020	Coding for Business		1			1									1	
ISOM	2500	Business Statistics		3												0	Substituted by MATH 2411
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 2110 is a major pre-requisite
MGMT	2130	Business Ethics and Social Responsibility		2						2						2	
SBMT	1111	Business Student Induction		0												0	Waived for DDP students
LABU	2040	Business Case Analyses		3			3									3	
LABU	2060	Effective Communication in Business		3						3						3	
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra		3-4													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		3													
MATH	1013	Calculus IB		3													
MATH	1020	Accelerated Calculus		4													
MATH	1023	Honors Calculus I		3													
<b>Required credits for School Requirements</b>				43-44												36	
<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.) Human Resources Management		4						4						4	Students in the Consulting Option must take MGMT 3120
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.) Judgement and Decision Making in Organizations		4					4							4	Students in the Consulting Option must take MGMT 3140
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.) Corporate Strategy		3-4							3					3	Students in the Consulting Option must take MGMT 4210 Students in the CSR Option must take MGMT 4210
MGMT	4220	Entrepreneurship and Innovation		3													
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							3	3	3			9	Students in the Consulting Option are recommended to take MGMT 4220 and a new course in Simulating Strategy to fulfill the major elective requirement
<b>Required credits for Major Required Courses and Electives</b>				20-21												20	
<b>Additional Requirements</b>																	
<b>Requirements for Dual Degree Program</b>																	
<b>Required Courses</b>																	
TEMG	1010	Technology and Management Professional Activities		0	0	0	0	0	0	0	0	0	0	0	0	0	
TEMG	3950	Case-based Problem Solving		3			3									3	
<b>Required credits for Additional Requirements</b>				3												3	
<b>University CORE</b>																	
CORE	C3 - C12	U CORE - Others		30	6	3		3			3	9	3	3		30	
CORE	C1 & C2	U CORE - English Language		6	3	3										6	
<b>Sub-total for University CORE</b>				36												36	
Term load (excl. free credits)																	
18 18 18 20 17 17 17 18 15 12																	
170##																	
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Notes:																	
<p>( ) indicates the reuse of the same course to fulfill more than one requirement.</p> <p>[ ] denotes the course is also offered in other terms as indicated and students may take the course in one of these subject to advice by the program office.</p> <p>--- denotes the course/requirement is either waived or substituted</p> <p>## To graduate, students should complete all requirements as specified for DDP.</p>																	
**Remarks on course(s):																	
<p>&gt;&gt; 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.</p>																	