

<< 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 Economics)														
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 Science																
Major Requirements																
Engineering Fundamental Courses																
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											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											3		
CHEM	1020	General Chemistry IB	3											3		
LIFS	1901	General Biology I	3											3		
PHYS	1001	Physics and the Modern Society	3											3		
PHYS	1112	General Physics I with Calculus	3											3		
PHYS	1312	Honors General Physics I	3											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] Calculus IA	4											4		
MATH	1013	Calculus IB	3											3		
MATH	1014	Calculus II	3											3		
MATH	1020	Accelerated Calculus	4											4		
MATH	1023	Honors Calculus I	3											3		
MATH	1024	Honors Calculus II	3											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		
Required credits for Engineering Fundamental Courses			19-23											18		
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		
COMP	1991	Note: (COMP4981 OR COMP4981H) AND COMP1991 OR COMP4910 Industrial Experience	6											6		
COMP	4981	Final Year Project	6									3	3	6		
COMP	4981H	Final Year Thesis	6											6		
COMP	4910	Co-op FYP Program	6											6		
ELEC	2600	Note: ELEC2600 OR IELM2510 OR MATH2411 OR MATH2421 OR MATH2431 Probability and Random Processes in Engineering	3-4											4	Students should take MATH 2411 which will also be used to substitute ISOM 2500.	
IEDA	2520	Probability for Engineers	4											4		
IEDA	2540	Statistics for Engineers	3			4								3		
MATH	2411	Applied Statistics	4											4		
MATH	2421	Probability	4											4		
MATH	2431	Honors Probability	4											4		
ENGG	2010	Engineering Seminar Series	0			0	0	0	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		
Required credits for Major Requirements Courses and Electives			53-58											57		
BBA in Economics																
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 2103/2113/2123 is a major prerequisite	
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	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	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											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	3											3		
MATH	1013	Calculus IB	3											3		
MATH	1020	Accelerated Calculus	4											4		
MATH	1023	Honors Calculus I	3											3		
Required credits for School Requirements			43-44											36		
Major Requirements																
Major Required Courses and Electives																
ECON	3014	Managerial Microeconomics	4					4						4		
ECON	3024	Managerial Macroeconomics	4						4					4		
ECON	3334	Introduction to Econometrics	4							4				4		
ECON	4670	Economics Research and Communication	0									0		0		
ECON		ECON 4000-level Electives (Any 3 courses of the subject and level as specified)	11								4	4	3	11		
Required credits for Major Required Courses and Electives			23											23		
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		
TEMG	3950	Case-based Problem Solving	3		3									3		
Required credits for Additional Requirements			3											3		
University CORE																
CORE	C3 - C12	U CORE - Others	30	6	6		3		3	6	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	21	19	19	17	18	16	13	14			
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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.