

<< Declaration of BEng major

<< Declaration of BBA major

School:		School of Engineering and School of Business Management			Student's Pathway												
Program:		Dual Degree Program (BEng in Computer Science and BBA in Economics)														Remarks	
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 COMP	1021 1022P	Note: COMP1021 OR COMP1022P Introduction to Computer Science Introduction to Computing with Java	3 3	3										3	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020		
CHEM CHEM LIFS PHYS PHYS PHYS	1008 1012 1901 1101 1112 1312	Note: CHEM1008 OR CHEM1012 OR LIFS1901 OR PHYS1101 OR PHYS1112 OR PHYS1312 Introductory Chemistry General Chemistry B: Atomic Structure, Molecules, and Bonding Theories General Biology I Introductory Physics General Physics I with Calculus Honors General Physics I	3 3 3 3 3 3	3										3			
LANG	2030	Technical Communication I	3	---	---	---	---	---	---	---	---	---	---	0	Waived for DDP students		
MATH MATH MATH MATH MATH MATH	1012 1013 1014 1020 1023 1024	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] Calculus IA Calculus IB Calculus II Accelerated Calculus Honors Calculus I Honors Calculus II	4-7 4 3 3 4 3 3	3	3									6			
MATH MATH MATH	2111 2121 2131	Note: MATH 2111 OR MATH 2121 OR MATH 2131 Matrix Algebra and Applications Linear Algebra Honors in Linear and Abstract Algebra I	3-4			3								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				19-23	9	3	3	0	0	0	0	0	0	0	15		
Major Required Courses and Electives																	
COMP COMP COMP COMP	2011 2012 2012H 2611	Note: (COMP2011 AND COMP2012) OR COMP2012H Programming with C++ Object-Oriented Programming and Data Structures Honors Object-Oriented Programming and Data Structures Computer Organization	5-8 4 4 5 4			4	4							8			
COMP COMP	2711 2711H	Note: COMP2711 OR COMP2711H Discrete Mathematical Tools for Computer Science Honors Discrete Mathematical Tools for Computer Science	4 4			4								4			
COMP COMP	3111 3111H	Note: COMP3111 OR COMP3111H Software Engineering Honors Software Engineering	4 4					4						4			
COMP	3511	Operating Systems	3							3				3			
COMP COMP	3711 3711H	Note: COMP3711 OR COMP3711H Design and Analysis of Algorithms Honors Design and Analysis of Algorithms	3-4 3 4					3						3			
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 COMP COMP COMP	1991 4981 4981H 4910	Note: [COMP 1991 AND (COMP 4981 OR COMP 4981H)] OR [COMP 4910] Industrial Experience Final Year Project Final Year Thesis Co-op FYP Program	6 0 6 6 6				0	0				3	3	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	3-4														
ELEC ELEC IEDA IEDA MATH MATH MATH	2600 2600H 2520 2540 2411 2421 2431	Probability and Random Processes in Engineering Honors Probability and Random Processes in Engineering Probability for Engineers Statistics for Engineers Applied Statistics Probability Honors Probability	4 4 3 3 4 4 4			4								4	Students should take MATH 2411 which will also be used to substitute ISOM 2500.		
ENGG	2010	Engineering Seminar Series	0			0	0	0	0					0			
LANG	4030	Technical Communication II for CSE, CPEG & DSCT	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 (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				53-58	0	0	12	4	7	4	6	6	9	9	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 ECON	2103 2113	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics Microeconomics	3 3			3								3	ECON 2103 / 2113 / 2123 is a major pre-requisite		
ECON ECON	2123 3123	Note: ECON 2123 OR ECON 3123 Macroeconomics Macroeconomic Theory I	3 3					3						3			
FINA	2303	Financial Management	3				3							3			
ISOM	2010	Introduction to Information Systems	3	---	---	---	---	---	---	---	---	---	---	0	Substituted by COMP 1021/ 1022P/ 2011/ 2012H		
ISOM	2020	Coding for Business	1	---	---	---	---	---	---	---	---	---	---	0	Waived for DDP students if they have taken and passed COMP1021 or COMP 1029P		
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			
LABU	2040	Business Case Analyses	3	---	---	---	---	---	---	---	---	---	---	0	Waived for DDP students		
ECON	3700	Writing as an Economist	3								3			3			
MATH MATH MATH MATH MATH	1003 1012 1013 1020 1023	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IA Calculus IB Accelerated Calculus Honors Calculus I	3-4 3 4 3 4 3	(3)										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		
Required credits for School Requirements				43-44	0	6	5	9	3	6	0	3	0	0	32		
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		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	0	0	0	0	4	4	4	4	4	3	23		
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			
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	0	3	0	0	4	0	0	0	0	0	7		
University CORE																	
CORE	C3 - C9	U CORE - Others	21	3			3			6	3	3	3	21			
CORE	C1 & C2	U CORE - English Language	6	3	3									6			
CORE	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	0	3									3			
Sub-total for University CORE				30	6	6	0	3	0	0	6	3	3	3	30		
Term load (excl. free credits)																	
				15	18	20	16	18	14	16	16	16	15				
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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.