

<< 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)			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		3	3										3	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020
COMP	1022P	Introduction to Computer Science Introduction to Computing with Java		3												
CHEM	1008	Note: CHEM1008 OR CHEM1020 OR LIFS1901		3											3	
CHEM	1020	OR PHYS1101 OR PHYS1112 OR PHYS1312		3												
LIFS	1901	Introductory Chemistry		3												
PHYS	1101	General Chemistry I		3												
PHYS	1112	Introductory Physics		3												
PHYS	1312	General Physics I with Calculus Honors General Physics I		3												
LANG	2030	Technical Communication I		3	---	---	---	---	---	---	---	---	---	---	0	Waived for DDP students
MATH	1012	Note: [MATH 1012 OR MATH 1013 OR MATH 1023] AND		4-7											6	
MATH	1013	(MATH 1014 OR MATH 1024) OR [MATH 1020]		4												
MATH	1014	Calculus IA		3												
MATH	1020	Calculus IB		3	3	3										
MATH	1023	Calculus II		4												
MATH	1024	Accelerated Calculus		3												
MATH	2111	Honors Calculus I Honors Calculus II		3												
SENG		Matrix Algebra and Applications		3			3								3	
		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											15	
Major Required Courses and Electives																
COMP	2011	Note: (COMP2011 AND COMP2012) OR COMP2012H		5-8											8	
COMP	2012	Programming with C++		4			4	4								
COMP	2012H	Object-Oriented Programming and Data Structures		4												
COMP	2611	Honors Object-Oriented Programming and Data Structures		5												
COMP	2611	Computer Organization		4							4				4	
COMP	2711	Note: COMP2711 OR COMP2711H		4											4	
COMP	2711H	Discrete Mathematical Tools for Computer Science		4			4									
COMP	3111	Note: COMP3111 OR COMP3111H		4											4	
COMP	3111H	Software Engineering		4							4					
COMP	3511	Honors Software Engineering		4												
COMP	3511	Operating Systems		3											3	
COMP	3711	Note: COMP3711 OR COMP3711H		3-4											3	
COMP	3711H	Design and Analysis of Algorithms		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	
COMP	1991	Note: [COMP 1991 AND (COMP 4981 OR COMP 4981H)] OR [COMP 4910]		6											6	
COMP	4981	Industrial Experience		0												
COMP	4981H	Final Year Project		0												
COMP	4910	Final Year Thesis		0												
ELEC/IEDA/MATH	2600	Note: ELEC 2600 OR ELEC 2600H OR IEDA 2520 OR IEDA 2540 OR MATH 2411 OR MATH 2421 OR MATH 2431		3-4											4	Students should take MATH 2411 which will also be used to substitute ISOM 2500.
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												
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 & 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											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		3											3	ECON 2103 / 2113 / 2123 is a major pre-requisite
ECON	2113	Principles of Microeconomics		3												
ECON	2123	Note: ECON 2123 OR ECON 3123		3											3	
ECON	3123	Macroeconomics		3												
FINA	2303	Macroeconomic Theory I		3												
ISOM	2010	Financial Management		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	
ISOM	2700	Operations Management		3											3	
MARK	2120	Marketing Management		3											3	
MGMT	2010	Business Ethics and the Individual		2											2	
MGMT	2110	Organizational Behavior		3											3	
MGMT	2130	Business Ethics and Social Responsibility		2											2	
LABU	2040	Business Case Analyses		3	---	---	---	---	---	---	---	---	---	---	0	Waived for DDP students
LABU	2060	Effective Communication in Business		3											3	
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023		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 and Linear Algebra		3												
MATH	1013	Calculus IA		4												
MATH	1013	Calculus IB		3	(3)											
MATH	1020	Accelerated Calculus		4												
MATH	1023	Honors Calculus I		3												
Required credits for School Requirements				43-44											32	
Major Requirements																
Major Required Courses and Electives																
ECON	3014	Managerial Microeconomics		4											4	
ECON	3024	Managerial Macroeconomics		4											4	
ECON	3334	Introduction to Econometrics		4											4	
ECON	4670	Economics Research and Communication		0											0	
ECON		ECON 4000-level Electives (Any 3 courses of the subject and level as specified)		11											4	4
Required credits for Major Required Courses and Electives				23											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	
TEMG	4950	T&M Corporate Consulting Project		3-5											4	
Required credits for Additional Requirements				7											7	
University CORE																
CORE	C3 - C9	U CORE - Others		21	3										6	3
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											30	
Term load (excl. free credits)																
15 18 20 16 18 17 16 13 16 15																
164##																
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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.