

<< 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 Finance)			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	
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	3	3											
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	3												
CHEM	1010	Chemistry in Everyday Life	3												
CHEM	1020	General Chemistry IA	3	3											3
LIFS	1901	General Chemistry IB	3												
PHYS	1001	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												
MATH	1012	Calculus IA	4												
MATH	1013	Calculus IB	3	3											
MATH	1014	Calculus II	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	5-8												
COMP	2012	Programming with C++	4			4	4								8
COMP	2012H	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	4			4									4
COMP	2711H	Discrete Mathematical Tools for Computer Science	4												
COMP	3111	Note: COMP3111 OR COMP3111H	4						4						4
COMP	3111H	Software Engineering	4												
COMP	3111H	Honors Software Engineering	4												
COMP	3511	Operating Systems	3							3					3
COMP	3711	Note: COMP3711 OR COMP3711H	3-4						3						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	0
COMP	4981	Note: (COMP4981 OR COMP4981H) AND COMP1991 OR COMP4910	6												
COMP	1991	Industrial Experience	0												
COMP	4981	Final Year Project	0										3	3	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	3-4												
IEDA	2520	Probability and Random Processes in Engineering	3												
IEDA	2540	Probability for Engineers	3												
IEDA	2540	Statistics for Engineers	3												
MATH	2411	Applied Statistics	4			4									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 Finance</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				3								3
ECON	2113	Principles of Microeconomics	3												
ECON	2113	Microeconomics	3												
ECON	2123	Note: ECON 2123 OR ECON 3123	3						3						3
ECON	3123	Macroeconomics	3												
ECON	3123	Macroeconomic Theory I	3												
FINA	2303	Financial Management	3				3								3
ISOM	2010	Introduction to Information Systems	3												0
ISOM	2020	Coding for Business	1												0
ISOM	2500	Business Statistics	3												0
ISOM	2600	Introduction to Business Analytics	1				1								1
ISOM	2700	Operations Management	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
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	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												
<b>Required credits for School Requirements</b>			43-44												35
<b>Major Requirements</b>															
<b>Major Required Courses and Electives</b>															
FINA	3001	Key Skills for Finance Professionals (A)	1						1						1
FINA	3103	Intermediate Investments	3						3						3
FINA	3203	Derivative Securities	3							3					3
FINA	3303	Intermediate Corporate Finance	3								3				3
FINA	3810	Bloomberg Market Concepts Certification	0						0						0
ACCT	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030	3-6												
ACCT	3020	Financial Accounting I	3						3						3
ACCT	3030	Financial Accounting II	3												
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors	3												
ISOM	3230	Note: ISOM 3230 OR ISOM 3400	3												
ISOM	3400	Business Applications Programming	3							3					3
ISOM	3400	Python Programming for Business Analytics	3												
FINA		FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)	9									3	3	3	9
<b>Required credits for Major Required Courses and Electives</b>			25-28												25
<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	3	3		3				9	6	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)															
15 18 20 19 20 19 18 15 15 15															
174##															
<b>Notes:</b>															
() 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):															