

Selection of
BEng major

Selection of
BBA major

School:		School of Engineering and School of Business Management		Student's Pathway											
Program:		Dual Degree Program (BEng in Computer Engineering and BBA in Finance)													
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	Remarks
BEng in Computer Engineering															
Engineering Fundamental Courses															
COMP	1023	Introduction to Python Programming	3	3										3	Students should take COMP1023 which will also be used to substitute ISOM 2010 and to waive ISOM 2020
		Note: [MATH 1013 OR MATH 1023] AND [MATH 1014 OR MATH 1024] OR [MATH 1025]	6-7												
MATH	1013	Calculus I	3	3	3									6	DOP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees
MATH	1014	Calculus II	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
MATH	1024	Honors Calculus II	3												
MATH	2011	Introduction to Multivariable Calculus	3				3							3	
MATH	2111	Matrix Algebra and Applications	3			3								3	
		Note: PHYS112* OR PHYS1312	3												
PHYS	1112	General Physics I with Calculus	3	3										3	* Students without Level 3 or above in HKDSE 12x OR in HKDSE 1x Physics are required to take PHYS 1101 first.
PHYS	1312	Honors General Physics I	3												
		Note: PHYS1114 OR PHYS1314	3												
PHYS	1114	General Physics II	3		3									3	
PHYS	1314	Honors General Physics II	3												
Required Credits for Engineering Fundamental Courses				21-22	9	6	3	3	0	0	0	0	0	0	21
Major Required Courses and Electives															
CPEG	1030	Academic and Professional Development I	0	0	0									0	
CPEG	2030	Academic and Professional Development II	0			0	0							0	
CPEG	3030	Academic and Professional Development III	0					0	0					0	
		Note: (COMP2011 AND COMP2012) OR COMP2012H	5-8												
COMP	2011	Programming with C++	4			4		4						8	
COMP	2012	Object-Oriented Programming and Data Structures	4												
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5												
		Note: COMP2011 OR ELEC2350	4												
COMP	2011	Computer Organization	4				4							4	
ELEC	2350	Introduction to Computer Organization and Design	4												
		Note: COMP2711 OR COMP2711H	4												
COMP	2711	Discrete Mathematical Tools for Computer Science	4					4						4	
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science	4												
COMP	2011	Operating Systems	3						3					3	
ELEC	1100	Introduction to Electro-Robot Design	4		4									4	
ELEC	2100	Signals and Systems	4				4							4	
ELEC	2400	Electronic Circuits	4					4						4	
ELEC	2400	Probability and Random Processes in Engineering	4						4					4	
ELEC	3300	Introduction to Embedded Systems	4						4					4	
		Note: [CPEG 1071 AND (CPEG 4901 OR CPEG 4902 OR CPEG 4911 OR CPEG 4912)] OR [CPEG 4910] (Students taking the Research Option must take either CPEG 4902 or CPEG 4912)	6												
CPEG	1071	Industrial Experience	0												
CPEG	4901	Computer Engineering Final Year Project in COMP	6			0	0	0	0			3	3	6	
CPEG	4902	Computer Engineering Final Year Thesis in COMP	6												
CPEG	4910	Co-op Program	6												
CPEG	4911	Computer Engineering Final Year Project in ELEC	6												
CPEG	4912	Computer Engineering Final Year Thesis in ELEC	6												
COMPELECEINGG		Area Courses [At least 2 courses should be taken from one area and at least 1 course outside that area (including course(s) in the Courses without Associated Area)]	12							3	3	3	3	12	
COMPELEC		COMPELEC 2000-level or above Elective (any course(s) of the 3 subject and level as specified)	3							3				3	
BEng in Computer Engineering Major Requirements				57-60	0	4	4	8	12	11	6	3	6	6	60
BBA in Finance															
School Requirements															
ACCT	2010	Principles of Accounting I	3	3										3	
ACCT	2060	Principles of Accounting II	3			3								3	
		Note: ECON 2103 OR ECON 2113	3												
ECON	2103	Principles of Macroeconomics	3		3									3	
ECON	2113	Microeconomics	3												
		Note: ECON 2123 OR ECON 3123	3												
ECON	2123	Macroeconomics	3					3						3	
ECON	3123	Macroeconomic Theory I	3												
FINA	2303	Financial Management	3				3							3	FINA 2303 is a major pre-requisite
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0	COMP 1023 are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 instead of ISOM 2010.
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	ISOM 2020 is waived for DOP students who have taken and passed COMP 1023. The COMP course is similar or more advanced coding (Python) courses as ISOM 2020.
ISOM	2600	Business Statistics	3		3									3	
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	
		Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4												
MATH	1003	Calculus and Linear Algebra	3												
MATH	1013	Calculus III	3	(3)											
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
Required Credits for School Requirements				39-40	3	3	9	6	3	3	1	2	0	2	32
Major Required Courses and Electives															
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	
		Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030	3-6												
ACCT	3010	Financial Accounting I	3							3				3	
ACCT	3020	Intermediate Accounting II	3												
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors	3												
		Note: ISOM 3230 OR ISOM 3400	3												
ISOM	3230	Business Programming in VBA	3						3					3	if DOP students took COMP 1023 in BEng requirement, they are required to enroll ISOM 3230
ISOM	3400	Business Applications Development in Python	3									3	3	3	
FINA		FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)	9								3	3	3	9	
Required Credits for Major Required Courses and Electives				25-28	0	0	0	0	4	6	6	3	3	3	25
Additional Requirement for Dual Degree															
Requirements for Dual Degree Program															
TEMG	1011	T&M Professional Activities I	0	0	0									0	
TEMG	1012	T&M Professional Activities II	0			0	0							0	
TEMG	1013	T&M Professional Activities III	0					0	0					0	
TEMG	1014	T&M Professional Activities IV	0							0	0			0	
TEMG	1015	T&M Professional Activities V	0									0	0	0	
TEMG	3050	T&M Case Analysis and Product Innovation	3		3									3	
TEMG	4050	T&M Corporate Consulting Project	3-5												
Required Credits for Additional Requirements				7	0	3	0	0	0	0	0	0	0	0	3
University Common Core Requirements															
CORE	C3 - C9	U-CORE - Others	21							3	6	6	3	18	
CORE	C1 & C2	U-CORE - English Language	6	3	3									6	
HAWS	1005	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2									3	
Sub-total for University CORE				30	4	5	0	0	0	3	6	6	3	27	
Total															
				Term load (week-free credits)											
				16	21	16	17	19	20	16	14	15	14	188	
				168##											

Notes:
() Indicates the reuse of the same course to fulfill more than one requirement.
* Courses offered in winter term
^ Courses offered in summer term
- 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 offerings and scheduling, students should check it out from respective School and Department.