The Hong Kong University of Science and Technology
Interdisciplinary Programs Office
An Example on Student's Pathway (as of July 11, 2022)

CPMGMT 2021-22 Intake
(Via DDP PBA)

School:	School of Engineering and School of Business Management				<< Declaration of BEng major		<< Declaration of BBA major		Student's Pathway							

Program: Dual Degree Program (BEng in Computer Engineering and BBA in Management)

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
Major Requirements
Engineering Fundamental Courses

Dept	Code	Title	Cr	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub	Remarks
		Note: COMP1021 OR COMP1022P													Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020
COMP	1021	Introduction to Computer Science	3	3										3	
COMP	1022P	Introduction to Computing with Java	3												
ENGG	1010	Academic Orientation	0	0	0									0	
LANG	2030	Technical Communication I	3	-	-	-	-	-	-	-	-	-	-		Waived for DDP students
		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	3									6	
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: PHYS1112 OR PHYS1312													
PHYS	1112	General Physics I with Calculus	3	3										3	
PHYS	1312	Honors General Physics I	3												
		Note: PHYS1114 OR PHYS1314													
PHYS	1114	General Physics II	3					3						3	
PHYS	1314	Honors General Physics II	3												
SENG		Engineering Introduction course (If the students take an introduction course included in their major, this course can be counted towards their major requirement.)	3-4	(3)										0	
		Required credits for Engineering Fundamental Courses	25-29											21	

Major Required Courses and Electives

Dept	Code	Title	Cr	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub	Remarks
CPEG	2930	Academic and Professional Development I	0			0	0							0	
CPEG	3930	Academic and Professional Development II	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: COMP2611 OR ELEC2350	4												
COMP	2611	Computer Organization	4				4							4	
ELEC	2350	Introduction to Computer Organization and Design	4												
		Note: COMP2711 OR COMP2711H OR ELEC 2600	4												
COMP	2711	Discrete Mathematical Tools for Computer Science	4						4					4	
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science	4												
ELEC	2600	Probability and Random Processes in Engineering	4												
COMP	3511	Operating Systems	3						3					3	
		CPEG Restricted Elective (1 course from the specified elective list. The course cannot be double counted in Area Courses requirement.	3-4												
COMP	4521	Mobile Application Developement	3												
COMP	4611	Design and Analysis of Computer Architectures	3								3			3	
ELEC	4310	Embedded System Design	4												
ELEC	4320	FPGA-based Design: From Theory to Practice	3												
ELEC	4330	Mobile Embedded Systems: Hardware Platform, Software Development, and Applications	3												
		Note: [CPEG 1971 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	1971	Industrial Experience	0												
CPEG	4901	Computer Engineering Final Year Project in COMP	6								3	3		6	
CPEG	4902	Computer Engineering Final Year Thesis in COMP	6												
CPEG	4911	Computer Engineering Final Year Project in ELEC	6												
CPEG	4912	Computer Engineering Final Year Thesis in ELEC	6												
CPEG	4910	Co-op Program	6												
ELEC	1100	Introduction to Electro-Robot Design	4			4								4	
		Note: ELEC1200 OR ELEC2100 OR ELEC2400 (2 courses out of 3)	8												
ELEC	1200	A System View of Communications: from Signals to Packets	4				4		4					8	
ELEC	2100	Signals and Systems	4												
ELEC	2400	Electronic Circuits	4												
ELEC	3300	Introduction to Embedded Systems	4								4			4	
ENGG	2010	Engineering Seminar Series	0			0	0	0	0					0	
		Note: LANG4030 OR LANG4031													
LANG	4030	Technical Communication II for CSE, CPEG & DSCT	3									3		3	
LANG	4031	Technical Communication II for ECE & CPEG	3												
COMP/ELEC		Area Courses (At least 2 courses should be taken from one 15 single area and at least 2 courses outside that area. Courses taken as Major Required Courses may not be counted towards the elective requirement.)	15				3			4	4	4		15	
		Required credits for Major Requirements Courses and Electives	59-63											62	

BBA in Management
School Requirements

Dept	Code	Title	Cr	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub	Remarks
ACCT	2010	Principles of Accounting I	3	3										3	
ACCT	2200	Principles of Accounting II	3					3						3	
		Note: ECON 2103 OR ECON 2113													
ECON	2103	Principles of Microeconomics	3		3									3	
ECON	2113	Microeconomics	3												
		Note: ECON 2123 OR ECON 3123													
ECON	2123	Macroeconomics	3					3						3	
ECON	3123	Macroeconomic Theory I	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			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 2110 is a major pre-requisite
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	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
LABU	2060	Effective Communication in Business	3					3						3	
		Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4												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	1003	Calculus and Linear Algebra	3												
MATH	1012	Calculus IA	4	(3)										0	
MATH	1013	Calculus IB	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
		Required credits for School Requirements	43-44											35	

Major Requirements
Major Required Courses and Electives

Dept	Code	Title	Cr	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub	Remarks
		Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.)	4												Students in the Consulting Option must take MGMT 3120
MGMT	3110	Human Resources Management	4					4						4	
MGMT	3120	Managerial Leadership	4												
		Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.)	4												Students in the Consulting Option must take MGMT 3140
MGMT	3130	Judgement and Decision Making in Organizations	4						4					4	
MGMT	3140	Negotiation	4												
		Note: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.)	3-4												Students in the Consulting Option must take MGMT 4210. Students in the CSR Option must take MGMT 4210
MGMT	4210	Corporate Strategy	3								3			3	
MGMT	4220	Entrepreneurship and Innovation	4												
MGMT		MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.)	9								3	3	3	9	Students in the Consulting Option are recommended to take MGMT 4220 and a new course in Simulating Strategy to fulfill the major elective requirement
		Required credits for Major Required Courses and Electives	20-21											20	

Additional Requirements
Requirements for Dual Degree Program
Required Courses

Dept	Code	Title	Cr	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub	Remarks
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											7	

University CORE

Dept	Code	Title	Cr	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub	Remarks
CORE	C3 - C12	U CORE - Others	30	3	3	6	3			6			9	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 | 20 | 18 | 20 | 21 | 18 | 16 | 16 | 16 | | |
| | | | | | | | | | | | | 181## | | | |

<< Declaration of BEng major   << Declaration of BBA major

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.