The Hong Kong University of Science and Technology
Interdisciplinary Programs Office
An Example on Student's Pathway (as of July 22, 2022)

CPGBUS 2022-23 Intake
(Via DDP PBA)

School:		School of Engineering and School of Business Management			Student's Pathway											
Program:		**Dual Degree Program (BEng in Computer Engineering and BBA in Global Business)**					<< Declaration of BEng major		<< Declaration of BBA major							
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	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
COMP	1021	Note: COMP1021 OR COMP1022P — Introduction to Computer Science	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 Computing with Java	3												
LANG	2030	Technical Communication I	3	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
MATH	1012	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] — Calculus IA	4-7 / 4	3	3									6	
MATH	1013	Calculus IB	3												
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	
PHYS	1112	Note: PHYS1112 OR PHYS1312 — General Physics I with Calculus	3	3										3	
PHYS	1312	Honors General Physics I	3												
PHYS	1114	Note: PHYS1114 OR PHYS1314 — 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	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
CPEG	2930	Academic and Professional Development I	0			0	0							0	
CPEG	3930	Academic and Professional Development II	0					0	0					0	
COMP	2011	Note: (COMP2011 AND COMP2012) OR COMP2012H — Programming with C++	5-8 / 4			4		4						8	
COMP	2012	Object-Oriented Programming and Data Structures	4												
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5												
COMP	2611	Note: COMP2611 OR ELEC2350 — Computer Organization	4				4							4	
ELEC	2350	Introduction to Computer Organization and Design	4												
COMP	2711	Note: COMP2711 OR COMP2711H OR ELEC 2600 — 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	
COMP	4521	CPEG Restricted Elective (1 course from the specified elective list. The course cannot be double counted in Area Courses requirement.) — Mobile Application Develoepment	3-4 / 3								3			3	
COMP	4611	Design and Analysis of Computer Architectures	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												
CPEG	1971	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) — Industrial Experience	6 / 0									3	3	6	
CPEG	4901	Computer Engineering Final Year Project in COMP	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	
ELEC	1200	Note: ELEC1200 OR ELEC2100 OR ELEC2400 (2 courses out of 3) — A System View of Communications: from Signals to Packets	8 / 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	
LANG	4030	Note: LANG4030 OR LANG4031 — 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 Global Business

School Requirements

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
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 — Principles of Microeconomics	3		3									3	
ECON	2113	Microeconomics	3												
ECON	2123	Note: ECON 2123 OR ECON 3123 — 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	2130	Business Ethics and Social Responsibility	2								2			2	
LABU	2040	Business Case Analyses	3	-	-	-	-	-	-	-	-	-	-	0	Waived for DDP students
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 — Calculus and Linear Algebra	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
MATH	1012	Calculus IA	4												
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	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
GBUS	1000	Global Leadership Development	0					0	0	0	0	0	0	0	
GBUS	2010	Global Business Analysis	3						3					3	
GBUS	2020	Public Service Project	1						1	[1]				1	
GBUS/ISOM	3030	Note: GBUS 3030 OR ISOM2040 — Global Business Case Studies	3-4 / 4							4	[3]			4	
ISOM	2040	Business Simulation and Strategic Decisions	3												
GBUS	4910	Capstone Project	4									4	[4]	4	
GBUS		Global Business Electives (Courses from the specified elective list, of which at least 6 credits from each area and at least 2 courses must be offered by GBUS. Courses taken to fulfill requirements of an additional major in SBM may not be counted towards this elective requirement.)	15								6	3	6	15	
		Required credits for Major Required Courses and Electives	26-27											27	

Additional Requirements

Requirements for Dual Degree Program

Required Courses

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	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	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
CORE	C3 - C9	U CORE - Others	21	3		3	3			6			6	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											30	

		Term load (excl. free credits)													
				18	18	17	18	20	17	16	19	20	19		
								182##							

<< 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):