The Hong Kong University of Science and Technology
Interdisciplinary Programs Office
An Example on Student's Pathway

CPECON 2020-21 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 Economics)**													
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**

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

BEng in Computer Engineering
Major Requirements
Engineering Fundamental Courses

Dept	Code	Title	Cr	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
COMP / COMP	1021 / 1022P	Note: COMP1021 OR COMP1022P; Introduction to Computer Science; Introduction to Computing with Java	3 / 3	3										3	This course will also be used to substitute ISOM 2010
ENGG	1010	Academic Orientation	0	0	0									0	
LANG	2030	Technical Communication I	3				3							3	
MATH	1012/1013/1014/1020/1023/1024	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]; Calculus IA; Calculus IB; Calculus II; Accelerated Calculus; Honors Calculus I; Honors Calculus II	4-7 / 4/3/3/4/3/3	3	3									6	
MATH	2011	Introduction to Multivariable Calculus	3					3						3	
MATH	2111	Matrix Algebra and Applications	3					3						3	
PHYS / PHYS	1112 / 1312	Note: PHYS1112 OR PHYS1312; General Physics I with Calculus; Honors General Physics I	3 / 3	3										3	
PHYS / PHYS	1114 / 1314	Note: PHYS1114 OR PHYS1314; General Physics II; Honors General Physics II	3 / 3						3					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											24	

Major Required Courses and Electives

Dept	Code	Title	Cr	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 / COMP / COMP	2011 / 2012 / 2012H	Note: (COMP2011 AND COMP2012) OR COMP2012H; Programming with C++; Object-Oriented Programming and Data Structures; Honors Object-Oriented Programming and Data Structures	5-8 / 4/4/5			4		4						8	
COMP / ELEC	2611 / 2350	Note: COMP2611 OR ELEC2350; Computer Organization; Introduction to Computer Organization and Design	4 / 4/4				4							4	
COMP / COMP / ELEC	2711 / 2711H / 2600	Note: COMP2711 OR COMP2711H OR ELEC 2600; Discrete Mathematical Tools for Computer Science; Honors Discrete Mathematical Tools for Computer Science; Probability and Random Processes in Engineering	4 / 4/4/4						4					4	
COMP	3511	Operating Systems	3							3				3	
COMP / COMP / ELEC / ELEC / ELEC	4521 / 4611 / 4310 / 4320 / 4330	Note: COMP4521 OR COMP4611 OR ELEC 4310; Mobile Application Develoopment; Design and Analysis of Computer Architectures; Embedded System Design; FPGA-based Design: From Theory to Practice; Mobile Embedded Systems: Hardware Platform, Software Development, and Applications	3-4 / 3/3/4/3/3								3			3	
CPEG / CPEG / CPEG / CPEG / CPEG / CPEG	1971 / 4901 / 4902 / 4911 / 4912 / 4910	Note: [(CPEG4901 OR CPEG4902) AND CPEG1971] OR [(CPEG4911 OR CPEG4912) AND CPEG1971] OR CPEG4910; Industrial Experience; Computer Engineering Final Year Project in COMP; Computer Engineering Final Year Thesis in COMP; Computer Engineering Final Year Project in ELEC; Computer Engineering Final Year Thesis in ELEC; Co-op Program	6 / 0/6/6/6/6/6								3	3		6	
ELEC	1100	Introduction to Electro-Robot Design	4			4								4	
ELEC / ELEC / ELEC	1200 / 2100 / 2400	Note: ELEC1200 OR ELEC2100 OR ELEC2400 (2 courses out of 3); A System View of Communications: from Signals to Packets; Signals and Systems; Electronic Circuits	8 / 4/4/4				4		4					8	
ELEC	3300	Introduction to Embedded Systems	4							4				4	
ENGG	2010	Engineering Seminar Series	0			0	0	0	0					0	
LANG / LANG	4030 / 4031	Note: LANG4030 OR LANG4031; Technical Communication II for CSE & CPEG; Technical Communication II for ECE & CPEG	3 / 3									3		3	
COMP/ELEC		CPEG Restricted Elective (1 course from the specific elective list); Area Courses (At least 4 courses from the specified elective list, of which at least 2 courses should be taken from one single area and at least 2 courses outside that area. Courses taken as Major Required Courses may not be counted towards the elective requirement.)	18			3		3		4	4	4		18	
		Required credits for Major Requirements Courses and Electives	59-63											65	

BBA in Economics
School Requirements

Dept	Code	Title	Cr	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 / ECON	2103 / 2113	Note: ECON 2103 OR ECON 2113; Principles of Microeconomics; Microeconomics	3 / 3		3									3	ECON 2103/2113/2123 is a major prerequisite
ECON / ECON	2123 / 3123	Note: ECON 2123 OR ECON 3123; Macroeconomics; Macroeconomic Theory I	3 / 3		3									3	
FINA	2303	Financial Management	3				3							3	
ISOM	2010	Introduction to Information Systems	3	---	---	---	---	---	---	---	---	---	---	0	Substituted by COMP 1021/1022P
ISOM	2020	Coding for Business	1							1				1	
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	
SBMT	1111	Business Student Induction	0	---	---	---	---	---	---	---	---	---	---	0	Waived for DDP students
LABU	2040	Business Case Analyses	3							3				3	
LABU	2060	Effective Communication in Business	3						3					3	
MATH	1003/1012/1013/1020/1023	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023; Calculus and Linear Algebra; Calculus IA; Calculus IB; Accelerated Calculus; Honors Calculus I	3-4 / 3/4/3/4/3	(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
		Required credits for School Requirements	43-44											39	

Major Requirements
Major Required Courses and Electives

Dept	Code	Title	Cr	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
ECON	3014	Managerial Microeconomics	4					4						4	
ECON	3024	Managerial Macroeconomics	4						4					4	
ECON	3334	Introduction to Econometrics	4							4				4	
ECON	4670	Economics Research and Communication	0									0		0	
ECON		ECON 4000-level Electives (Any 3 courses of the subject and level as specified)	11								4	4	3	11	
		Required credits for Major Required Courses and Electives	23											23	

Additional Requirements
Requirements for Dual Degree Program
Required Courses

Dept	Code	Title	Cr	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
TEMG	1010	Technology and Management Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	
TEMG	3950	Case-based Problem Solving	3		3									3	
		Required credits for Additional Requirements	3											3	

University CORE

Dept	Code	Title	Cr	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
CORE	C3 - C12	U CORE - Others	30	6	3	3		3		9			6	30	
CORE	C1 & C2	U CORE - English Language	6	3	3									6	
		Sub-total for University CORE	36											36	

Term load (excl. free credits)

	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S
	18	18	20	20	20	20	21	20	17	16

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<< 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.