The Hong Kong University of Science and Technology
Interdisciplinary Programs Office
An Example on Student's Pathway (as of Sep 30, 2022)

CPFINA 2020-21 Intake
(Via DDP PBA)

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

Dept	Code	Title	Credits	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	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020
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 / 4/4/3/4/3/3	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	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 / 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 Development / 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 / 3/4/3/3								3			3	
CPEG / CPEG / CPEG / CPEG / CPEG / CPEG	1971 / 4901 / 4902 / 4911 / 4912 / 4910	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 / 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.)	15					3		4	4	4		15	
		Required credits for Major Requirements Courses and Electives	59-63											62	

BBA in Finance
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 / ECON	2103 / 2113	Note: ECON 2103 OR ECON 2113 — Principles of Microeconomics / Microeconomics	3 / 3		3									3	
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	FINA 2303 is a major pre-requisite
ISOM	2010	Introduction to Information Systems	3	---	---	---	---	---	---	---	---	---	---	0	Substituted by COMP 1021/1022P/2011
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	
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	To satisfy the requirements of both BEng and BBA degrees, DDP students should NOT take MATH 1003.
		Required credits for School Requirements	43-44											38	

Major Requirements
Major Required Courses and Electives

Dept	Code	Title	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
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 / ACCT / ACCT	3010 / 3020 / 3030	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030 — Financial Accounting I / Financial Accounting II / Intermediate Financial Accounting for Non-Accounting Majors	3-6 / 3/3/3					3						3	
ISOM / ISOM	3230 / 3400	Note: ISOM 3230 OR ISOM 3400 — Business Applications Programming / Python Programming for Business Analytics	3 / 3/3						3					3	If DDP students took COMP 1021 in BEng requirement, they are required to enroll ISOM 3230.
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											25	

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	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	Credits	Y1F	Y1S	Y2F	Y2S	Y3F	Y3S	Y4F	Y4S	Y5F	Y5S	Sub-total	Remarks
CORE	C3 - C12	U CORE - Others	30	6		3				9	3		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 | 19 | 18 | 19 | 19 | 19 | 188## | |

<< 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.