The Hong Kong University of Science and Technology
Academy of Interdisciplinary Studies
An Example on Student's Pathway (as of April 1, 2025)

CPECON 2025-26 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)			<< 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															
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 1020]	6-7												
MATH	1013	Calculus I	3	3	3									6	DDP 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: PHYS1112* OR PHYS1312	3												
PHYS	1112	General Physics I with Calculus	3	3										3	* Students without Level 3 or above in HKDSE 1/2x 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	1930	Academic and Professional Development I	0	0	0									0	
CPEG	2930	Academic and Professional Development II	0			0	0							0	
CPEG	3930	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: COMP2611 OR ELEC2350	4												
COMP	2611	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	3511	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	2600	Probability and Random Processes in Engineering	4						4					4	
ELEC	3300	Introduction to Embedded Systems	4						4					4	
		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			0	0	0	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	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												
COMP/ELEC/ENGG		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	
COMP/ELEC		COMP/ELEC 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 Economics															
School Requirements															
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 2103 / 2113 / 2123 is a major pre-requisite
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	COMP 1023, COMP 1022P, COMP 2011 and COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP1023 or COMP2011 or COMP2012H instead of ISOM 2010.
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0	ISOM 2020 is waived for DDP students who have taken and passed COMP 1023 or COMP 1029P or COMP2011 or COMP2012H. These two COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.
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	
		Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4												
MATH	1003	Calculus and Linear Algebra	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	1013	Calculus IB	3												
MATH	1020	Accelerated Calculus	4												
MATH	1023	Honors Calculus I	3												
		Required credits for School Requirements	39-40	5	3	6	6	3	3	1	3	0	2	32	
Major Required Courses and Electives															
ECON	3014	Managerial Microeconomics	4					4						4	
ECON	3024	Managerial Macroeconomics	4						4					4	
ECON	3334	Introduction to Econometrics	4							4				4	
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	0	0	0	0	4	4	4	4	4	3	23	
Additional Requirement for Dual Degree															
Required Courses															
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	To graduate, students should complete ALL requirements as specified for DDP.
TEMG	1015	T&M Professional Activities V	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	0	3	0	0	0	0	0	4	0	0	7	
University Common Core Requirement															
CORE	C3 - C9	U CORE - Others	21			3				6	3	6	3	21	
CORE	C1 & C2	U CORE - English Language	6	3	3									6	
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2									3	
		Sub-total for University CORE		4	5	3	0	0	0	6	3	6	3	30	

Term load (excl. free credits)											
18	21	16	17	19	18	17	17	16	14	**173**
				173##							

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 offering and scheduling, students should check it out from respective School and Department.