

				The Hong Kong University of Science and Technology											CVECON		2025-26 Intake								
				Academy of Interdisciplinary Studies											(Via DDP PBA)										
				An Example on Student's Pathway (as of Dec 21, 2025)																					
				<< Selection of BEng major											<< Declaration of BEng major		<< Selection of BBA major								
School:				School of Engineering and School of Business Management											Student's Pathway										
Program:				Dual Degree Program (BEng in Civil and Environmental Engineering and BBA in Economics)											Remarks										
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											
BEng in Civil and Environmental Engineering																									
Engineering Fundamental Courses																									
CIVL COMP COMP COMP		1121 1022P 1023 2011 2012H		Note: CIVL 1121 OR COMP 1022P OR COMP 1023 OR COMP2011 OR COMP 2012H		3-5													3	Students should take COMP 1022P, COMP 1023, COMP 2011 or COMP 2012H which will also be used to substitute ISOM 2010 and to waive ISOM 2020					
CHEM		1012		General Chemistry B: Atomic Structure, Molecules, and Bonding Theories		3			3										3						
MATH MATH MATH MATH MATH		1013 1014 1020 1023 1024		Note: [(MATH 1013 OR MATH1023) AND (MATH 1014 OR MATH 1024)] OR (MATH 1020) Calculus IB Calculus II Accelerated Calculus Honors Calculus I Honors Calculus II		4-6			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		2011		Introduction to Multivariable Calculus		3				3									3						
MATH		2350		Applied Linear Algebra and Differential Equations		3				3									3						
PHYS PHYS		1112 1312		Note: PHYS 1112 OR PHYS 1312 General Physics I with Calculus Honors General Physics I		3		3											3						
Required Credits for Engineering Fundamental Courses						19-23		6	9	6	0	0	0	0	0	0	0	0	21						
Major Required Courses and Electives																									
CIVL		1000		Academic and Professional Development for Civil and Environmental Engineering I		0		0	0										0	Students admitted via school-based admission are exempted from taking CIVL1000					
CIVL		1100		Discovering Civil and Environmental Engineering		3		3											3						
CIVL		2000		Academic and Professional Development for Civil and Environmental Engineering II		0				0	0								0						
CIVL		2020		Industrial and BIM Training		0					0*								0	Student should attend the training modules in Year 2 Winter and Spring terms					
CIVL		2110		Statics		3				3									3						
CIVL		2120		Mechanics of Materials		3					3								3						
CIVL		2160		Modeling Systems with Uncertainties		3				3									3	This course will also be used to substitute ISOM 2500					
CIVL		2170		Infrastructure Systems Engineering and Management		3					3								3						
CIVL		2410		Environmental Assessment and Management		3					3								3						
CIVL		2510		Fluid Mechanics		3					3								3						
CIVL		2810		Construction Materials		3						3							3						
CIVL		3000		Academic and Professional Development for Civil and Environmental Engineering III		0						0	0						0						
CIVL		3020		Internship Training		0							0^						0						
CIVL CIVL CIVL		3210 3610 3310		Note: CIVL3210 OR CIVL3610 Introduction to Construction Management Traffic and Transportation Engineering Structural Analysis		3							3						3						
CIVL		3320		Reinforced Concrete Design		3							3						3						
CIVL		3420		Water and Wastewater Engineering		3							3						3						
CIVL		3510		Hydrosystems Engineering		3						3							3						
CIVL		3730		Fundamentals of Geotechnics		3						3							3						
CIVL		3740		Geotechnical Analysis and Design		3							3						3						
CIVL		4000		Academic and Professional Development for Civil and Environmental Engineering IV		0								0	0				0						
CIVL CIVL CIVL		4910 4920 4950		Note: CIVL 4910 OR CIVL 4920 (Students taking the Research Option must take CIVL 4920) Civil and Environmental Engineering Final Year Project Civil and Environmental Engineering Final Year Thesis Civil Engineering Capstone Design Project		6										2	4		6						
CIVL/SENG				CIVL (Environmental) Electives [3 courses from the specified elective list. At least 2 courses (6 credits) should be selected from the "Restricted Electives", of which 1 course must be taken from CIVL 4450, CIVL 5450 or CIVL 5460.]		9							3	3	3				9						
BEng in Civil and Environmental Engineering Major Requirements						63	3	0	6	12	12	12	6	3	5	4		63							
BBA in Economics																									
School Requirements																									
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	ECON 2103 / 2113 / 2123 is a major pre-requisite					
ECON ECON		2123 3123		Note: ECON 2123 OR ECON 3123 Macroeconomics Macroeconomic Theory I		3							3						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		-	-	-	-	-	-	-	-	-	-	-	0	Substituted by CIVL 2160					
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						
MATH MATH MATH MATH		1003 1013 1020 1023		Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IB Accelerated Calculus Honors Calculus I		3-4		(3)											0	DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees					
Required Credits for School Requirements						39-40	3	3	3	6	3	0	4	2	3	2		29							
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																									
Requirements for Dual Degree Program																									
TEMG		1011		T&M Professional Activities I		0		0	0										0	To graduate, students should complete ALL requirements as specified for DDP.					
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							
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	4	0	0	0		7							
University Common Core Requirement																									
CORE		C3 - C9		U CORE - Others		21				3					6	6	6		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						30	4	5	3	0	0	0	0	6	6	6		30							
								Term load (excl. free credits)										173							
								16 20 18 18 19 16 18 15 18 15																	
								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.