The Hong Kong University of Science and Technology Interdisciplinary Programs Office An Example on Student's Pathway (as of July 11, 2022)



School:		School of Engineering and School of Business Management				BEng ma		BBA maj		Stuc	lent's Pathw	ay			
Program:		Dual Degree Program (BEng in Civil and Environmental Engineering and BBA in													
Course		Management)	Cre	Year	Year 1	Year	Year 2	Year	Year 3	Year	Year 4	Year	Year 5	Sub-	Remarks
Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	1 Spring	r 2 Fall	· 2 Spring	Year 3 Fall	ear 3 Spring	Year 4 Fall	- 4 Spring	Year 5 Fall	5 Spring	o-total	
BEng in Civ lajor Require	vil and Enviro ements	onmental Engineering													
	damental Courses	S Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5			I		I							
MP MP	1021 1022P	Introduction to Computer Science Introduction to Computing with Java	3 3		3	ļ		į						3	Students should take COMP which will also be used to sub
OMP OMP	2011 2012H	Programming with C++ Honors Object-Oriented Programming and Data Structures	4 5			!		!							ISOM 2010 and to waive ISO
NGG	1010	Academic Orientation Note: CHEM 1010 OR CHEM 1020	0	0	0	1		<u> </u>						0	
HEM	1010 1020	General Chemistry IA General Chemistry IB	3	3				i						3	
ANG	2030	Technical Communication I	3	-	-	<u>.</u>	-		-	-	-			0	Waived for DDP student
		Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-7			i		i							
ATH ATH	1012 1013	Calculus IA Calculus IB	4	3	3	ļ		į						6	
ATH ATH	1014 1020	Calculus II Accelerated Calculus	3 4	3	3	!		!						0	
ATH ATH	1023 1024	Honors Calculus I Honors Calculus II	3 3			!		!							
ATH ATH	2011 2350	Introduction to Multivariable Calculus Applied Linear Algebra and Differential Equations	3			3		ł						3	
		Note: PHYS 1112 OR PHYS 1312				3		;							
HYS HYS	1112 1312	General Physics I with Calculus Honors General Physics I	3 3	3		i		i						3	
Aajor Required C	Courses and Elect	Required credits for Engineering Fundamental Courses	22-27											21	
IVL IVL	1010 1100	Academic Professional Development I Discovering Civil and Environmental Engineering	0			0	0	ļ						0	
IVL	2010	Academic Professional Development II	0	1	1		<u> </u>	0	0	1		<u> </u>	1	0	
IVL IVL	2020 2110	Industrial and BIM Training Statics	0			0* 3	0	<u> </u>						0	
IVL	2120 2160	Mechanics of Materials Modeling Systems with Uncertainties	3		ſ	3	3	F	F	ſ.		-		3	
IVL	2170	Infrastructure Systems Engineering and Management	3			Ť	3	ł	1					3	
IVL	2410 2510	Environmental Assessment and Management Fluid Mechanics	3			: I	3	<u>:</u>						3	
IVL IVL	2810 3010	Construction Materials Academic Professional Development III	3			i		3		0	0			3	
IVL	3020	Internship Training	0			1		i –			0^			0	
IVL	3210	Note: CIVL3210 OR CIVL3610 Introduction to Construction Management	3 3			i		į	3					3	
IVL	3610 3310	Traffic and Transportation Engineering Structural Analysis	3			<u> </u>		3						3	
IVL	3320 3420	Reinforced Concrete Design Water and Wastewater Engineering	3			ļ		<u> </u>	3					3	
IVL	3510	Hydrosystems Engineering	3					3						3	
NVL NVL	3730 3740	Fundamentals of Geotechnics Geotechnical Analysis and Design	3			<u> </u>				3	3			3	
	4910	Note: CIVL 4910 OR CIVL 4920 (Students taking the Research Option must take CIVL 4920) Civil and Envinomental Engineering Final Year Project Civil and Envinomental Engineering Final Year Thesis	6									3	3	6	
IVL	4950	Civil Engineering Capstone Design Project	3									3		3	
ANG ANG	2010 4033	Engineering Seminar Series Technical Communication II for Civil and Environmental Engineering	0			0	0	0	0			3		0	
NVL	4450	Note: CIVL4450 OR CIVL 5450 OR CIVL5460 Carbon Footprint Analysis and Reduction	3			i		i			3			3	
IVL IVL	5450 5460	Hazardous Waste Treatment and Site Remediation Landfill Engineering and Design CIVL (Environmental) Electives [2 courses from the specified elective list. At least 1 course	3 3			<u> </u>		<u>i</u>			3			3	
		(3 credits) should be selected from the "Restricted Electives"]						i							
IVL/SENG		Restricted electives: at least 1 course AND	. 6			İ		i				3	3	6	
		(CIVL: Any CIVL courses at 4000-level or above except those listed as "Restricted Electives from the list OR				i		i							
		SENG: Any 3000-level or above courses offered by the Engineering School or engineering departments other than CIVL)				ļ		į							
BBA in Man	agement	Required credits for Major Requirements Courses and Electives	66	ll		I	l	1						66	
School Requir	2010	Principles of Accounting I	3	3	T		1	1	r	1	1	r –	1	3	
CCT	2200	Principles of Accounting II	3			į		į —	3					3	
CON	2103 2113	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics Microeconomics	3			3		ļ						3	
CON	2123	Note: ECON 2123 OR ECON 3123 Macroeconomics	3					3						3	
CON INA	3123 2303	Macroeconomic Theory I Financial Management	3			ł	3	ł	1					3	
SOM	2010	Introduction to Information Systems	3	-	-		-	•	-	-	-	-	-	0	Substituted by COMP 1021/1022P/2011/2012
SOM	2020	Coding for Business	1	-		: -	-	-			-			0	Walved for DDP students i have taken and passed CON
SOM	2500	Business Statistics	3			i -		-						0	Substituted by CIVL 21
SOM SOM	2600 2700	Introduction to Business Analytics Operations Management	1			İ	1	<u>i</u>	3			L		1	
IARK IGMT	2120 2010	Marketing Management Business Ethics and the Individual	3			2	3					[3	
IGMT	2110	Organizational Behavior	3			3		į —	<u> </u>		2		1	3	MGMT 2110 is a major pre-re
IGMT BMT	2130 1111	Business Ethics and Social Responsibility Business Student Induction	2		-		-		-	-	-		-	2	Waived for DDP studen
ABU ABU	2040 2060	Business Case Analyses Effective Communication in Business	3	-	-	· · ·	-	· · ·	-	- 3	-	-	-	0	Waived for DDP studen
ATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra	3-4 3		1	1			1	1	l	l			DDP students should take I
IATH	1012	Calculus IA	4	(3)		ł		1	1					0	1012 or MATH 1013 or MATH MATH 1023 to satisfy th
IATH IATH	1013 1020	Calculus IB Accelerated Calculus	3 4 2		1	i		i		1					requirements of both BEng an degrees
IATH	1023	Honors Calculus I Required credits for School Requirements	3 43-44			<u>i</u>		<u>i</u>						32	
Major Require															
	Courses and Elect	IVES Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this (requirement.)	4			ļ		4						4	Students in the Consulti
GMT GMT	3110 3120	Human Resources Management Managerial Leadership	4 4			<u>i</u>		<u>i</u>							Option must take MGMT 3
IGMT	3130	Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.) Judgement and Decision Making in Organizations	4			ĺ		l İ	4					4	Students in the Consulti Option must take MGMT 3
IGMT	3140 4210	Negotiation Note: when 14210 OK WORT 14220 (Students in the Consulting Option of in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.) Corporate Strategy	4 3-4 3					!		3				3	Students in the Consulti Option must take MGMT 4 Students in the CSR Op

Notes:					15 18 20 19 20 19 18 17 18 15 182## <pre></pre>									1	
													15	-	
		Sub-total for University CORE	36			l		I						36	
CORE	C1 & C2	U CORE - English Language	6	3	3									6	
CORE	C3 - C12	U CORE - Others	30		6					6	6	3	9	30	
University CO	ORE	· · · · · · · · · · · · · · · · · · ·				•	•	•		•	•	•			
		Required credits for Additional Requirements	7					i i						7	
TEMG	4950	T&M Corporate Consulting Project	3-5			l		4						4	
TEMG	3950	T&M Case Analysis and Product Innovation	3		3									3	
TEMG	1010	T&M Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	
Required Course		V				_		_							
	s for Dual Degree														
Additional Requirements															
Required credits for Major Required Courses and Electives						8								20	
MGMT		MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.)	9							3	3	3		9	Students in the Consulting Option are recommended to take MGMT 4220 and a new course in Simulating Strategy to fulfill the major elective requirement
MGMT MGMT	4210 4220	Corporate Strategy	3 4					į		Ŭ				Ŭ	Students in the CSR Option must take MGMT 4210

() 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.